

J2 – Final ISCO Pilot Study Work Plan



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April 19, 2010

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**Ref: Final PSWP Revision and Response to Comments; PSWP Submittal
Lawrence Aviation Superfund Site; Port Jefferson, New York**

Dear Mr. Ronk:

Panther Technologies, Inc. (Panther) is providing our responses to comments received on April 16, 2010 from CDM Federal Programs Corporation regarding the Pilot Study Work Plan (PSWP) submitted in support of oxidation testing for the above referenced site. At times throughout our responses, we refer to Tech Specs which is defined as the "Technical Specifications, 100% Remedial Design, July 2009". The original CDM comment is provided in italics while **Panther's** response is included beneath to provide an ease of review.

General

- 1. *Page 4, Section 1.0, para 3 – The target treatment goal is 100 µg/L (not 150 µg/L) as specified in 13600 Section 1.5.3 and the average concentration shall not exceed this goal by more than 50%. Please revise the last sentence of this paragraph to state the correct treatment goal.***
- 2. *Page 9, Section 2.1, para 2 – Modify treatment goal language in accordance with above.***

Both sections have been modified to incorporate the above language.

- 3. *Page 13, Section 2.2.3, paragraph 1 – Please describe "EPA Protocol A from the manufacturer" and provide a reference.***

EPA Protocol A references the USEPA Specifications and Guidance for Contaminant-Free Sample Containers (OSWER Directive #9240.0-05A) and is filed as EPA540/R-93/051, December 1992. An excerpt from the Introduction of the method follows:

"The December 1992 version of "Specifications and Guidance for Contaminant-Free Sample Containers" revises the specifications and provides a single source of standardization specifications and guidance on appropriate cleaning procedures for preparing contaminant-free sample containers that meet all Contract Laboratory Program (CLP) detection/quantitation limits, including those for low concentration analysis."

4. *Page 14, Section 2.2.3, last paragraph – Please clarify, “... samples were collected directly into the reactors ...” in the first sentence.*

As opposed to collecting groundwater samples into a bulk container for transportation to **Panther**'s Treatability Lab in Medford, New Jersey, and then transferring to the reactor vessels, **Panther** collected the groundwater samples from ISCO-MW-04 directly into the vessels that were used during Treatability testing. This eliminated a sample handling step that could have introduced volatilization losses into the study.

5. *Page 15, Section 2.2.3, paragraph 2 – An NOD of 2 g/kg is stated but the Carus test result was 1.7 g/kg. Please explain the difference and revise the text accordingly.*

The highest natural oxidant demand (NOD) result reported by Carus was 1.9 g/kg in the 200' – 206' BGS sample. Based on cross sections provided by CDM in the Tech Specs, the majority of contamination is in this same zone (1,100 ug/l at 206' BGS, Sheet 9, Technical Specifications), hence this higher NOD zone is the primary impacted zone. Because 1.9 g/kg closely correlated to **Panther**'s bid assumption of 2 g/kg for determination of oxidant needs on the project and the difference is negligible, **Panther** utilized our bid assumption for an added level of conservatism to prevent against under-dosing and ISCO failure. No revision to the text is necessary as the NOD value assumed (2.0 g/kg) to calculate vessel dosing is correct.

6. *Page 21, Section 2.3.2, paragraphs 1 and 2 – While the TAL metal concentrations are in the ppb levels, the concentrations of several metals are more than 50% greater than the baseline and/or the control. It is stated that these metals will likely attenuate following completion of oxidation. Please keep in mind that the specification states that, “Concentrations of chemical oxidant by-products produced as a result of chemical reactions shall meet all applicable groundwater standards or not exceed the baseline concentrations by more than 50% at each location, whichever is higher.” A maximum concentration of chromium of 90.2 µg/L was detected which is very close to the MCL of 100 µg/L. A maximum concentration of thallium of 24.6 µg/L was detected which is greater than the MCL of 2 µg/L.*

This issue was discussed at length prior to award and the specification section referenced above does not apply. Although thallium was not reported in the original CDM Bench Study Report included within the Tech Specs, chromium was and its concentrations increased from 16-ug/l in the negative control to 260-ug/l in the “1% KMnO₄” reactor vessel, a 1525% increase. Additionally, 1.6 ug/l of chromium was noted in the aqueous phase of the “Site Soil” only vessel indicating that naturally occurring chromium is present. Because of these results, **Panther** discussed within Tab 15 of the August 19, 2009 “Technical Proposal for Groundwater Remediation Services” and in subsequent follow-up correspondence (September 12, 2009 “Response to Guarantee,” **Panther** Technologies, Inc.) that **Panther** would not guarantee that metals increases associated with oxidation approaches would not exceed MCLs or that increases would be limited to 50% of baseline concentrations at each monitoring location. Finally, the presence of thallium in the baseline ISCO-MW-04 groundwater sample of 3.8-ug/l indicates that background levels of thallium present in groundwater at the site already exceed the MCLs.

Additionally, the concentration increases discussed in the CDM comment above were both detected in the “High” vessel dosages which corresponded to 105% of the total oxidant demand (TOD), not the “Medium” vessel dosages that are planned for the site. The “Medium Dose” vessels only yielded an average of 54.9-ug/l for chromium and 9.56-ug/l for thallium. Based on the lower dosage of KMnO_4 that yielded complete destruction of PCE, TCE and cis-1,2-DCE in Treatability testing, these are the concentrations that are proposed during both Pilot and Full-Scale injections in the source area. Because both chromium and thallium are present in the natural soil and groundwater matrix (and already exceeding MCLs in the case of thallium), it is not possible to prevent further increases in a highly oxidative environment, however, the lower dose proposed for injections should minimize their increases above their respective MCLs or in the case of chromium, reduce the relative increases to stay below the MCL. In either case, **Panther** remains confident that attenuation will reverse any minor short term increases of either metal and is not concerned with metals mobilization.

7. *Page 23, Section 2.5, paragraph 1 – Please revise text regarding the treatment goal.*

See Response #1

8. *Page 25, Section 3.3, paragraph 1 – Please discuss why IW-ISCO-2 was selected for injection rather than a centrally located well such as IW-ISCO-5. The use of a centrally located well would facilitate monitoring in all directions around the point of injection. Additionally, Section 1.5.1.3 of Specification 13600 states that one of the objectives of the pilot study is to validate the estimate of ROI. It is not clear how the selection of monitoring wells will achieve this objective.*

Initially, ISCO-IW-02 was selected since the drilling schedule and sequence of installation prioritized installation of injection and monitoring wells for Pilot Testing to prevent delays in meeting project completion. That would mean that wells that currently exist to accomplish the objectives above would not have been installed by the time the pilot study commenced. Because of limited soil recoveries during interior soil borings, the complete ISCO injection and monitoring well system was installed prior to Pilot Testing.

Accordingly, **Panther** agrees with the recommendation and now proposes IW-ISCO-05 as the location for the pilot with adjacent monitoring locations MW-ISCO-04 and IW-ISCO-06 (within the proposed zone of influence), along with MW-ISCO-01, MW-ISCO-05, IW-ISCO-04 and IW-ISCO-07 (just outside the zone of influence) serving as monitoring points to determine radius of influence by way of colorimetric and field indicator (e.g ORP, conductivity, etc.) monitoring during the test. Because both MW-ISCO-04 and IW-ISCO-06 are located within the zone of influence, but oriented approximately 90-degrees from each other, their locations can provide an additional direction for confirmation of the zone of influence. The text has been modified to adjust the injection and monitoring locations reflective of injections at IW-ISCO-05.

9. *Page 26, Section 3.3, second paragraph of section – How was the flow rate of 10 gpm established. Also, one of the objectives stated in the specification is to determine required injection pressures. How will this objective be met and how will adjustment of flow rate be conducted to achieve this objective in a safe manner without the risk of formation fracturing?*

Based on the high conductivity of the formation and the crude evaluation of specific well capacities of ISCO Treatment Area wells during well development, the wells will accept 10-gpm without concern. The initial assessment of 10-gpm was derived during the bidding process and the rates assumed for injections to complete the full-scale injections of oxidant mass and also act as the basis for **Panther**'s costs to complete all injections.

Panther does not anticipate building any wellhead pressure at all at the surface given the depth to water is 185-feet below the ground surface. If increased pressures are noted at the wellhead (from wellhead mounted pressure and vacuum gauges), the pressure may be a result of mounding and compression of the airspace within the riser unless vents are left open during injection. Downhole dataloggers in adjacent monitoring and injection wells within the zone of influence will datalog the hydrostatic head pressures within the treatment zone to record the height of mounding that is created at this injection flow rate and then reduced and evaluated following the completion of the test.

Beyond the above monitoring, **Panther** is not concerned whatsoever about formation fracturing and there are no other evaluations proposed. We may elect to step up injection rates in a phased manner (e.g. 2.5 gpm, 5 gpm, 7.5 gpm then 10 gpm) but we are not following a specific protocol based on concerns.

10. Page 26, Section 3.3, last paragraph – Please explain the selection of the 32,000 gallon injection volume considering the well spacing, screen length, and effective porosity.

The volume of oxidants to be injected is driven primarily by the solubility of potassium permanganate in water. Depending on potable water temperature, the maximum field solubility is approximately 2%. The selection of 4,000 lbs of potassium permanganate at a 1.5% solution (32,028 gallons) is to ensure a thorough mixing of permanganate with no residual solids remaining in the mix tanks. Assuming a radius of influence of 30-feet, treatment thickness and screen length of 20-feet, and an effective porosity of 0.30, a 1.5% solution represents the equivalent of 25% pore volume of the pilot study area while a 2% solution represents approximately 19% pore volume. Injections of between 19% and 25% of the pore volume will allow sufficient oxidant mass to be delivered within the treatment zone to satisfy the TOD, and for advective forces to treat the entire volume while minimizing the volume of reagents introduced into the formation.

11. Page 26, Section 3.4, Table 11 – TAL metals are not proposed to be measured in downgradient wells. Considering the elevated TAL metals and the specification requirement that the treatment system be capable of treating metals if they are transported to the extraction wells, analysis of downgradient wells for TAL metals is warranted. Please add TAL analysis to downgradient wells.

When the original schedule was developed for the Pilot Test implementation, downgradient monitoring wells MW-ISCO-01 and MW-ISCO-02 would not have been installed and were not included for monitoring within the Pilot Test. The Pilot Test task included budget for monitoring three (3) wells (one being the injection well) that were proposed in the PSWP and additional

wells within the treatment zone. Accordingly, the new location utilizing IW-ISCO-05 as the Pilot Test injection well would include MW-ISCO-04, IW-ISCO-05 and IW-ISCO-06 as the three (3) Pre and Post-Pilot monitoring locations, fulfilling the wells anticipated for monitoring following the Pilot Test. If additional wells are requested, **Panther** would also agree to include MW-ISCO-1 at no additional cost and sample it pre and post-treatment as with the other three wells listed above bringing the total number of analytical monitoring locations to four (4).

12. Page 28, Section 3.5, paragraph 1 – A single sampling event one week following injection is proposed. It is not clear how this will sufficiently satisfy the objectives of the pilot test specified in Section 1.5.1.3 of Specification 13600 (e.g., ROI, expected oxidant demand, and required oxidant dosage and volume). Additionally, it is not clear how a single sampling event will validate the assumption of TAL metal attenuation.

The Pilot Test duration is not designed to address metals attenuation as that would require a much lengthier test, possibly one that lasts several months. Metals attenuation has been demonstrated at many sites where ISCO has been selected as the groundwater remediation method. As the aquifer geochemistry returns to its natural state over time, valence state shifts that occurred under highly oxidized conditions generally return to their reduced states. Metals attenuation in the source area may require weeks to months to return to the background geochemical conditions as permanganate is consumed and that duration of monitoring is not possible to complete the project within the September 2010 time constraint given the full-scale work must also occur shortly after completion of the pilot to maintain the project schedule. The primary goal of the Pilot Test is determination of radius of influence data and determination of accuracy of the scale-up procedures from Treatability testing to Pilot testing in meeting the site remediation goals. Monitoring during the test and one event following will satisfy our needs for finalization of a full-scale implementation scale-up.

The radius of influence is determined from numerous factors including geochemical shifts (higher groundwater conductivity and oxidation-reduction potentials), mounded groundwater conditions during injections as identified by the dataloggers and finally through colorimetric monitoring of the adjacent wells. As the permanganate migrates through the subsurface, the color changes from clear to brown to light pink to purple are the best indicator of influence. Because the mass loading has been designed to account for NOD and COD within the treatment area, boundary wells such as MW-ISCO-04 and IW-ISCO-06 should experience not only significant geochemical shifts, but also change to pink/purple indicating treatment under the influence of the injection well.

Lastly, it is important to restate that the pilot work is merely necessary for refinement of the full-scale application which is the basis for the work being performed at the site. While any field pilot can be turned into a long-term project in itself inclusive of extensive data collection, along with multiple quarters of monitoring and the like, that is not required for this level of effort and relatively small treatment footprint. Completion of the pilot in a timely and concise manner, using an adaptive site management approach to data collection, is critical to maintaining the project schedule.

Mr. Doug Ronk, P.G.
April 19, 2010
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13. Page 29, Section 3.5, last paragraph – A 30-ft treatment zone is mentioned. Figure 2 indicates an ROI of about 45 ft. Please clarify.

The radius of influence shown on the figures is 30-feet. A revised Figure 2 has been attached re-scaling to a 30-foot scale.

Attached to this letter is the revised Final PSWP for the Lawrence Aviation Superfund site that incorporates the minimal comments and any revisions discussed herein. Based on the limited comments addressed herein, **Panther** expects to commence mobilization of ISCO Injection equipment to the site either later this week or the beginning of next week so that the Pilot Test can commence immediately upon receipt of approval of the revised PSWP and the approved project schedule be maintained. Again, time is of the essence so **Panther** would appreciate any further comments being provided in an "Approved as Noted" format versus Revise and Resubmit to eliminate delays in initiating the pilot test program if possible.

If you should have any questions or require additional information, please feel free to contact me at our Medford, New Jersey office at (609) 714-2420 or via cell phone at (609) 472-1276.

Sincerely,
Panther Technologies, Inc.



Kevin D. Dyson, P.E.
Project Manager

Cc: Peter J. Palko, P.E., CHMM – **Panther**

Attachments: Final Treatability Study Work Plan

**Pilot Study Work Plan
Lawrence Aviation Superfund Site
Port Jefferson Station, New York**

April 20, 2010

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1.0 INTRODUCTION

In order to evaluate in-situ chemical oxidation (ISCO) utilizing potassium permanganate at the Lawrence Aviation Superfund Site (Site) in Port Jefferson, New York, **Panther Technologies, Inc. (Panther)** has developed this Pilot Study Work Plan (PSWP) to detail the methods for implementation of a field Pilot Study (PS) to verify the implementability of the parameters evaluated in the Treatability Study (TS) and serve as a basis for scale-up to the full-scale ISCO program. **Panther** has included a description of the proposed PS, as well as the results of the recently completed TS study herein for your review and information.

The Site is located in Port Jefferson, Suffolk County, New York. Groundwater and soil at the Site are contaminated with chlorinated volatile organic compounds (CVOCs), particularly trichloroethene (TCE) and its degradation byproducts. The overall remedy, as defined in the United States Environmental Protection Agency (EPA) September 2006 Record of Decision (ROD) and inclusive of both the ISCO program and the pump and treat system, addresses remediation of the site-wide contaminated groundwater plume.

Based on the information provided within the original July 2009 *Lawrence Aviation 100% Remedial Design Specifications* (CDM) and based on the results of the recent **Panther** TS, potassium permanganate has been chosen as the oxidant of choice for remediation at the Site. This PSWP incorporates the results of the recently completed **Panther** TS and further expands the evaluation to determine the effective dosage of potassium permanganate that results in satisfactory destruction of the chlorinated volatile organic compounds (CVOCs) within the defined ISCO Treatment Area of the Site. The primary goal of the ISCO injection program is to reduce the concentrations of CVOCs in groundwater to an average concentration of 100-ug/l and not exceed the goal by more than 50% in five (5) newly installed monitoring wells that were installed during the drilling phase of work.

This PSWP was prepared in accordance with the *Guidance for Conducting Treatability Studies under CERCLA, Final, Section 3, Protocol for Conducting Treatability Studies*. 1992. USEPA-540-R-92-071a and the *Final Quality Assurance Project Plan Remedial Action*, 2009. Work

Assignment Number 234-RARA-02NS, Lawrence Aviation Superfund Site CDM, where applicable.

1.1 Site Description and History

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 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. 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.

1.2 Site Geology

Three aquifers are present beneath the LAI site: the Upper Glacial aquifer, the Magothy aquifer and the Lloyd Sand member of the Raritan Formation. The Magothy and underlying Lloyd Sand Aquifers are separated by the Raritan Clay member of the Raritan Formation. Consequently, water is interchanged much more readily between the Upper Glacial and Magothy aquifers than between the Magothy and Lloyd aquifers. The presence of the virtually impermeable Raritan Clay, directly underlying the Magothy aquifer, is the lower boundary of the upper flow system. Information included herein focuses on the Upper Glacial and the top of the Magothy aquifers.

Magothy Aquifer

The top of the Magothy formation, which underlies the Upper Glacial Aquifer, was previously encountered at a depth of 324 feet bgs (99 feet below MSL) in stratigraphic boring ST-3. This unit was also observed in the boring for MPW-09 at a depth of 108 feet bgs (98.34 feet below MSL).

The Magothy aquifer consists of Upper Cretaceous Magothy deposits to the top of the confining clay unit of the Raritan Formation. The aquifer has a fluvio-deltaic depositional origin, is wedge shaped, and thickens progressively towards the south and southeast. The Magothy deposits were unconformably overlain by a veneer of Pliocene and Pleistocene deposits, chiefly of glacial origin. Deposition of the glacial deposits left the top of the Magothy Aquifer irregular and marked by discontinuous clay bodies within the deposits of the Pliocene-Pleistocene succession (Upper Glacial Aquifer), Smithtown Clay Unit, or Magothy Formation. This upper portion of the Magothy will be referred to as the reworked Magothy.

Upper Glacial Aquifer

The LAI facility itself is directly underlain by the Pleistocene-age Harbor Hill moraine, a remnant of the most recent glaciation. The moraine is up to 70 ft thick and composed primarily of sand and gravel with occasional lenses of silty sand and silt. The moraine deposits thin to the south and to the north. At the LAI facility, the moraine deposits are underlain by well graded fine to medium grained sands and silts with occasional layers of silt and clay or sand and gravel. The clay rich layers observed in this zone were thin and discontinuous, likely derived from Magothy formation materials (or Smithtown Clays) reworked and then re-deposited during the creation of the local moraine. This localized glacial activity at the site has reworked the upper layers of the Magothy Formation and left very complex heterogeneous glacial deposits at the base of the Upper Glacial aquifer, this material is not differentiated from the reworked Magothy material described above.

1.3 Distribution of Source Area Contaminants

The area targeted for ISCO at the site includes an area approximately 120' x 160' referred to as the *ISCO Treatment Area*. Groundwater concentrations within the ISCO Treatment 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 BGS) and extend down approximately 20-feet to 8.44 ft MSL (221 ft BGS) where the concentrations are just above the EPA maximum contaminant level (MCL) of 1.0 ug/l. This 20-foot zone is the targeted interval for ISCO injections at the site and will be considered the primary source area for treatment at the site. There is no known soil contamination sources identified for treatment at the site or considered in this PSWP.

1.4 Treatment Technology Description

As discussed above, chemical oxidation with potassium permanganate has been selected as the oxidant for testing and implementation at the site. Permanganate oxidation of chlorinated compounds occurs under a direct electron transfer process as opposed to a chain radical propagation reaction similar to activated persulfate or Fenton's oxidation. Direct electron transfer is advantageous in an in situ oxidation program because direct electron transfer does not rely on activators mixed with oxidants for radical generation to be effective. Additionally, potassium permanganate contains sufficient oxidation potential for chlorinated ethene destruction and because no radicals are formed during the direct electron transfer reactions, permanganates have a lower NOD effect due to oxidation of additional minerals during free radical reactions. The electron transfer process generally occurs with the following reactions and is the predominant COC destruction pathway at the Site:

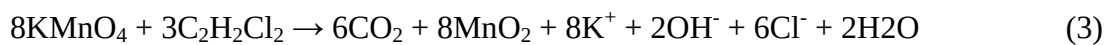
Tetrachloroethene (PCE)



Trichloroethene (TCE)



Dichloroethene (DCE)



As can be inferred from equations above, a number of key indicator parameters can be used to demonstrate effective destruction of COCs in the subsurface including geochemical changes such as increasing chloride and carbon dioxide concentrations, potentially increased total suspended solids from manganese dioxide precipitation in addition to colorimetric indicators. Many of these parameters can be readily monitored in the field to track dispersion of oxidants and be utilized for predictive transport modeling to down gradient locations such as down gradient monitoring wells.

2.0 TREATABILITY STUDY IMPLEMENTATION AND RESULTS

As discussed above, **Panther** recently completed Treatability Study (TS) Testing in accordance with the February 15, 2010 approved TSWP. This section describes the materials and methods along with the results of the TS.

2.1 Study Objectives and Rationale

The overall role of treatability studies completed under CERCLA is to “provide valuable site-specific data necessary to support Superfund remedial actions” (EPA, *Guide for Conducting Treatability Studies Under CERCLA*, October 1992). In this guidance, the EPA underscores the need for conducting treatability studies in support of Superfund remediation, and discusses a three-tiered approach for the planning and use of treatability studies (EPA, 1992). Within the three-tiered approach, treatability studies can be performed as a component of technology screening and remedy selection (RI/FS phase) and/or the Remedial Design/Remedial Action (RD/RA) phase. The previous treatability studies completed by CDM were in support of the RI/FS phase whereas the TS recently completed by **Panther** is in support the RD/RA phase. Discussions related to the previously completed CDM TS were described fully within the approved TSWP and are not included for discussion herein.

The objective of the TS was to determine the final dosage of potassium permanganate required to complete oxidation of CVOCs in groundwater to an average concentration of 100-ug/l while approximating the conditions that will be encountered in the field. Included within this objective are various endpoint determinations including:

- Organic contaminant destruction efficiencies;
- Total oxidant demand for 100% mineralization of organics;
- Degradation rates of permanganate during the test;
- Metals oxidation and accumulation concentrations;
- Geochemical changes to the system; and
- Any adverse side effects.

To evaluate the efficacy of ISCO, specifically potassium permanganate, as a viable oxidant to achieve the goals of the project, **Panther** completed a multi-tiered TS program with each successive endpoint building upon the next phase of work. It is these individual endpoints that are described more fully within the sections below leading to the selection of potassium permanganate as the oxidant of choice for pilot testing at the site.

2.2 Experimental Details

2.2.1 Baseline Soil and Groundwater Collection and Analysis

Soil samples were collected from a number of borings and monitoring well installations within the treatment zone designated for treatment to reflect the actual natural oxidant demand (NOD) anticipated. As discussed within the TSWP, samples were collected from five (5) different locations within and adjacent to the ISCO Treatment Area. These sample intervals are summarized on Table 1 below.

Table 1. Summary of Soil Sampling Intervals

ISCO-MW-03	ISCO-MW-04	ISCO-MW-05	ISCO-SB-02	ISCO-SB-03
200' - 202' BGS	200' - 202' BGS	200 - 202	200' – 201' BGS	200' – 201' BGS
202' - 204' BGS	202' – 204' BGS	202 - 204	220' – 221' BGS	210' – 211' BGS
204' - 206' BGS	204' – 206' BGS	206 - 208		220' – 221' BGS
206' - 208' BGS	206' – 208' BGS	208 - 210		
208' - 210' BGS	208' – 210' BGS	210 - 212		
210' - 212' BGS	210' – 212' BGS	212 – 214		
212' - 214' BGS	212' – 214' BGS	214 - 216		
214' - 216' BGS	214' – 216' BGS			

During the initial boring program to evaluate potential CVOC impacts in the *ISCO Study Area*, split spoon samples were advanced and collected from ISCO-SB-02 to ISCO-SB-03 for lithology

evaluation below the water table in the 49 ft MSL (180 ft BGS) to -1 ft MSL (230 ft BGS) interval. The results of the *ISCO Study Area* boring program were transmitted within a separate Technical Memo and are not discussed herein. Samples for the TS were collected within the 200 – 220' BGS zone for use in treatability testing. Due to insufficient soils recoveries from ISCO-SB-02 and ISCO-SB-03, additional soil samples within the treatment zone were collected from MW-ISCO-03, MW-ISCO-04 and MW-ISCO-05 to provide sufficient soil for bench testing. Samples were collected via split spoon samples in accordance with TSOP 1-4, where applicable, as described in the approved Quality Assurance Project Plan (QAPP). Following soil logging and sample screening, the soil was placed into double packed individual Ziplock bags, labeled and shipped to the **Panther** Treatability Laboratory in Medford, New Jersey. Due to the lack of soil CVOCs in soil samples, it was not necessary to ship the samples under no headspace within glass jars and PTFE lids to preserve CVOCs for testing. The soils were shipped on ice and stored at 4 degrees C until ready for use to preserve geochemistry to the extent possible.

Groundwater Samples

To mimic the worst case groundwater impacts onsite, water from MW-ISCO-04 was collected from the interval designated for ISCO treatment, or 28.44 ft MSL to 8.44 ft MSL (200' – 220' BGS). All samples were collected in accordance with the Appendix A of the CDM QAPP and utilized low stress purging and sampling procedures. Purging continued at the low flow rate (200 – 500 ml/min) to maintain less than 0.3-foot drawdown until three consecutive readings 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 was sampled for the “Baseline” analysis with 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.

The Baseline sample was immediately packaged in accordance with the QAPP requirements and submitted to Test America’s lab in Burlington, Vermont for analysis on expedited turnaround times. The results of the Baseline groundwater analysis are summarized on Table 2 and well purging logs are included within Appendix A. The analytical results of the Baseline sampling event were used to develop the final reactor dosage.

Following filling, labeling and packing of the sample containers outlined above, approximately 7-gallons of groundwater were collected into 1-gallon glass jars (3,780 ml) and 9-gallons of groundwater were collected into 500-ml glass jars and sealed with no headspace for transportation to the **Panther** Treatability Laboratory in Medford, New Jersey. All samples were transported and stored at 4-degrees C until use during treatability testing.

2.2.2 Natural Oxidant Demand Testing

NOD or permanganate soil oxidant demand testing (PSOD) is used to evaluate the demand exerted by the natural soil matrix (mineral content, fraction of organic carbon, etc.) but not demand represented by the COCs.

As described above, samples were collected from ISCO-SB-02, ISCO-SB-03, ISCO-MW-3, ISCO-MW-4 and ISCO-MW-5 for NOD analysis. Following receipt of the soil samples in the **Panther** Treatability Laboratory, soil samples were composited into three (3) distinct intervals for NOD Testing. These intervals included all of the samples in the 200’ – 206’ BGS interval designated as “MW-3-4-5 200’ – 206’”, the 206’ – 212’ BGS intervals designated as “MW-3-4-5 206’ – 212’” and the 212’ – 220’ BGS interval designated as “MW-3-4-5 212’ – 220.” Following compositing and light mixing, approximately 600-grams of soil was packed into 8-

ounce pre-sterilized glass jars, labeled and shipped via a chain of custody to the Carus Chemical Company laboratories in Peru, Illinois. Additionally, groundwater was collected from ISCO-MW-04 to serve as the water media for use during NOD Testing. Site groundwater is used to provide the most realistic test as opposed to use of distilled water for testing.

The samples were received in the Carus Laboratory on February 24, 2010. Each sample was analyzed in accordance with ASTM D7262-07 Test Method A for permanganate soil oxidant demand. In summary, 600 grams (g) of soils were baked at 105C, sieved through US 10 (2 mm) sieve, dosed in triplicate at 1 initial level of 100 ml of 20g/L KMnO₄ to 50 g soil for an initial dose of 40 g KMnO₄/kg dry soil, mixed by inverting initially, but not afterward. At 48 hrs, 1 ml of liquid is removed and diluted for permanganate analysis.

As shown in Table 3 below, the average demands ranged from 1.5 g/kg (MW-3-4-5 212' – 220') to 1.9 g/kg (MW-3-4-5 200' – 206') in samples with an overall site average demand of 1.7 g/kg. The Carus Chemical Company report is included within Appendix B.

Table 3. Summary of 48-Hour Natural Oxidant Demands

Soil Sample Identification	Average and Standard Deviation (g/kg)	Replicate 1 (g/kg)	Replicate 2 (g/kg)	Replicate 3 (g/kg)
MW 3-4-5 200-206	1.9 ± 0.0	1.9	1.9	1.9
MW 3-4-5 206-212	1.6 ± 0.1	1.6	1.5	1.6
MW 3-4-5 212-220	1.5 ± 0.4	1.5	1.9	1.1
Overall Average	1.7			

*Demands were calculated on a weight KMnO₄/dry soil weight basis from an initial dose of 40.0 g/kg KMnO₄ initial dose at a 1:2 soil to aqueous solution ratio.

2.2.3 Reactor Preparation and Dosing

The individual reactors vessels were setup within pre-cleaned vessels in accordance with EPA Protocol A from the manufacturer. A total of fourteen (14) 500 mL and seven (7) 3,780 ml clear glass jars with PTFE resin lined caps were utilized during testing. The clear glass jars were utilized as opposed to amber colored glass jars because permanganate can be used as a colorimetric indicator. Depending on the dosage, as the reaction with both chemical oxidant

demand (COD) and NOD proceeds to completion, the purple color of permanganate will gradually fade to pink and ultimately clear when the reaction is either nearing completion or the mass of permanganate is low. Changes in chemical of concern (COC) concentrations at three time points over a five-day period (T=0 days, T=3 days and T=5 days) were tested while additional metal and geochemical analyses were conducted at the end of the 5-day duration. A detailed description of the experiment setup, TS sample collection and method and QA/QC methods were included within the TSWP and are summarized below.

As shown in Table 4, a total of twenty-one (21) reactors were setup during treatability testing. During testing, two (2) sizes of reactors were utilized depending on the number of analyses required to quantify the goals of the test. Sterile 500-ml clear glass vessels with PTFE lids were utilized for all T=0 days and T=3 days time points where only VOC water samples were collected and analyzed. The T=5 days reactors utilized 3,780 ml sterile clear glass vessels with PTFE lids to provide sufficient volume of supernatant water to account for the various analyses that were collected and analyzed.

Following receipt of the NOD analysis from Carus Chemical Company, the remaining three (3) composite soil samples were homogenized into one (1) soil sample for use in TS testing. The smaller 500-ml reactors received 75-grams of homogenized soil while the larger 3,780 ml vessels received 750-grams of homogenized soil. This is a deviation from the TSWP as the soil volumes utilized for reactor setup was less due to reduced recoveries of soil during soil sampling and monitoring well installation activities. The smaller volume of soil had no impact on treatability testing as the oxidant requirements were adjusted down to account for the lower soil volumes.

Because the groundwater samples were collected directly into the reactors to be utilized for testing, no additional water handling steps were required. During setup and addition of the soil to each reactor, approximately 40-mL or 400-mL of groundwater was removed via pipette to provide space for soil to be added, depending on reactor size. In order to minimize losses, water within the reactors was gently removed utilizing a 50-ml sterile pipette. The pre-weighed soil was then immediately added to the reactors and the vessels were topped off to no headspace with groundwater.

Final dosage and permanganate requirement calculations for each vessel were based on the total soil and water added during reactor preparation and the Baseline CVOC analytical results from ISCO-MW-04. During dosing, the permanganate solutions were added while the equivalent volume of reactor vessel water was withdrawn. Following dosing, all reactors were inverted one (1) time to assist in mixing within the vessel and to expose all soil within the vessel to the dissolved phase permanganate. This single inversion mimics the injection of permanganate solutions in the field and ultimate mixing and dissolution within the aquifer matrix from injection activities that cannot be recreated in the lab without the potential for significant study error introduced to all vessels.

A total of three (3) delivery concentrations consisting of 1.5%, 1.75% and 2.0% permanganate stock concentrations were added to the vessels for 50% of the calculated total oxidant demand (TOD) and 105% of the TOD. The TOD is the sum of chemical oxidant demands exerted by the COCs and the assumed NOD. The reactors were dosed based on the NOD of 2.0 g/kg and concentration of CVOCs of 4.3 ug/l tetrachloroethene (PCE), 750 ug/l trichloroethene (TCE) and 1.3 ug/l cis-1,2-dichloroethene. The equivalent mass of oxidants required for complete destruction was added as 1.5%, 1.75% or 2.0% solutions. A total of 71.5 and 150 milligrams (mg) of potassium permanganate were added to each 500-ml vessel for the medium and high dose, respectively, while a total of 714 and 1500 mg of potassium permanganate were added to each 3,780-ml vessels for the medium and high doses, respectively. As would be expected, when the concentrations of stock solution increased, the total volume of oxidants added to each vessel decreased to deliver the total mass of potassium permanganate required.

During the addition of potassium permanganate solution, the equivalent volume of reactor water was first removed from the vessel and then replaced with the permanganate solution. A small amount of removed water was re-added to the reactor following dosing to maintain no headspace upon sealing. For the control reactors, reactor water was removed equivalent to the largest volumetric dose of permanganate added, or in the case of the 500-ml vessels, 10 ml of reactor water was replaced with distilled water and approximately 99-ml was replaced with distilled water in the 3,780-ml reactors. Replacing reactor water in the control with distilled water

mimics the addition of oxidants to the treated reactor vessels to account for any volatilization and dilution decreases during dosing.

2.2.4 Reactor Sampling and Analysis

Following setup and dosing, three (3) time points were sampled and evaluated to determine permanganate kinetics for COC reduction and residual permanganate within the reactors. At setup and dosing, the T=0 days vessels were quenched utilizing ascorbic acid and immediately sampled for TAL VOCs. The T=3 days and T=5 days reactors were sampled accordingly and also quenched. The TAL Metal reactor for the T=5 days reactor was also quenched with ascorbic acid due to discussions with the laboratory and the method utilized for metals analysis. Because the ILM 05.4 method requires the addition of reductants to complete the analysis, no residual permanganate could be present as permanganate would interfere with the sample preparation. As such, ascorbic acid was also used to quench these samples upon collection. All control samples were also quenched with ascorbic acid to mimic the sample procedure used for the dosed reactors.

A total of seven (7) T=0 samples were generated including the three (3) permanganate concentrations at the low and high dosages, and the T=0 days control. This process was repeated for the T=3 days and T=5 days time points with the identical quench solutions added to stop the reactions within the pre-preserved sample containers.

Finally, to evaluate the potential for volatilization during sampling handling, vessel preparation and dosing activities, Control reactors with the identical setup outlined above utilized distilled water instead of potassium permanganate for dosing. Each control reactor was evaluated at the T=0, T=3 and T=5 days time points. These control samples were prepared and sampled with the exact same methods as those outlined above.

2.2.5 Sampling Rationale and Methods

Table 4 details the various analytical methods that reactor vessels were analyzed for at the three (3) time points. This section details the rationale and EPA or laboratory methods that were utilized during the analysis.

2.2.5.1 Laboratory Analysis

TAL Volatile Organic Compounds – SOM01.2

Chlorinated VOCs, specifically TCE, are the primary COCs at the site. The TAL VOC method evaluates concentrations of VOCs at various time points for targeted remediation compounds. Each TAL VOC analysis required three (3) 40-ml VOA vials with hydrochloric acid preservative and the ascorbic acid quench to stop the ongoing reaction.

TAL Metals – ILM5.4

Because permanganate addition can cause significant shifts in geochemical conditions at the site, TAL Metals analysis determines the extent of metal speciation and valence state shifts. These potential shifts from insoluble to soluble phases were evaluated from the TAL Metals analysis to determine potential impacts at the site. Each TAL Metal analysis required one (1) 250-ml nitric preserved sample and the ascorbic acid quench.

Chloride – 325.1/352.2

Chloride byproducts are the result of CVOC oxidation. For TCE oxidation with potassium permanganate, approximately 3 moles of chlorides are generated for every mole of TCE consumed (Equation 2). As such, chlorides can be used as an indicator of the complete or incomplete oxidation of TCE and can be used as a qualitative evaluation of starting TCE concentrations. Chlorides were evaluated from a 125-ml unpreserved sample.

Sulfates – 375.4

Sulfates are a regulated secondary drinking water parameter in accordance with US EPA regulations. Although potassium permanganate and the CVOCs at the LAI do not contain sulfates, this parameter will be evaluated to ensure sulfates are not generated during oxidation of materials within the soil media. Sulfates were evaluated from a 125-ml unpreserved sample.

Total Dissolved Solids – 160.1

Because of the precipitation reactions and formation of colloidal manganese dioxide during oxidation reactions, total dissolved solids (TDS) was evaluated to determine the potential impact

of TDS increases in the submicron range with the treatment zone, if any. TDS was evaluated from a 500-ml unpreserved sample.

Total Suspended Solids – 160.2

Similar to the TDS evaluation, total suspended solids (TSS) will be evaluated to determine the potential impacts, if any, of particulate concentrations of manganese dioxide precipitation reactions. TSS was evaluated from a 500-ml unpreserved sample.

Alkalinity- 310.2

High alkalinity groundwater can have an inhibitory effect on oxidation of CVOCs with potassium permanganate under the right conditions. While these conditions are not expected at the LAI site, alkalinity increases due to oxidation were evaluated in both the treatment reactor vessels and the control vessels to quantify the extent of alkalinity increases that may be encountered in the field. Alkalinity was evaluated from a 125-ml unpreserved sample.

TOC – 415.1/415.2

Total organic carbon can exert a demand on potassium permanganate from both the soil and groundwater matrices, if present in high concentrations. Based on the aquifer constituents, TOC is not expected to represent a significant demand on potassium permanganate during testing. The TOC within the soil matrix is evaluated inherent to the NOD testing and is accounted for in those results. The groundwater TOC can also exert a demand that is accounted for during dosage calculations. TOC was evaluated not only in determining dosage concentrations, but also to evaluate the final TOC concentrations at the T=5 days endpoint as an evaluation on final TOC and permanganate concentrations. TOC was evaluated from a 125-ml sulfuric acid preserved sample.

2.2.5.2 Laboratory Methods

In addition to the laboratory analyses discussed above, a number of parameters were evaluated within the lab. These geochemical parameters were evaluated for each time point including the T=0 days, T=3 days and T=5 days time points for the following parameters:

pH

The pH of the reactors was evaluated utilizing a calibrated field multi-parameter instrument (YSI 600 XL) similar to what will be utilized in the field. The YSI Meter was calibrated for the pH = 7.0 range as the permanganate reactions occur at a neutral pH with the potential for minimal pH decreases during oxidation reactions from hydrochloric acid intermediate byproducts.

Conductivity

Conductivity of treated waters typically increases during permanganate treatment due to the increase in ions within the groundwater. The increases in conductivity were evaluated for use as an indicator parameter in the field during pilot and full scale testing as a conductivity “front” may be generated during migration of permanganate within the treatment zone. Conductivity was measured with a calibrated conductivity monitoring instrument (YSI 600 XL)

Oxidation-Reduction Potential

Similar to conductivity, oxidation-reduction potential (ORP) increases significantly during potassium permanganate oxidation reactions and can be used not only as an indicator parameter, but can also be used to determine the exhaustion of potassium permanganate reactions within the reactors, if reached. Upon exhaustion, natural buffering of the soil will slowly reduce the ORP of the water. Although the timeframe for this reduction was outside of the reaction timeframe of 5-days, the increase in ORP from the TS can be used to evaluate increases in subsequent field activities during injection and oxidation activities. ORP was measured with a calibrated ORP monitoring instrument (YSI 600 XL) similar to the instrument to be utilized in the field.

Dissolved Oxygen

The primary use of dissolved oxygen (DO) measurements relates to sample handling and the potential for volatilization losses during handling of groundwater. DO is likely to increase from field collection and reactor vessel preparation. The increases in DO may be used as an indicator for potential flaws within the handling of the groundwater in both the controls and the dosed reactor vessels. While increases in DO do not typically represent an inhibitory issue related to the oxidation reactions of potassium permanganate with COCs, it can provide a secondary evaluation of sampling handling procedures if extensive control losses are realized. DO was

measured with a calibrated DO monitoring instrument (YSI 600 XL) similar to the instrument that will be utilized in the field.

Residual Permanganate Concentration

Residual permanganate concentrations were evaluated utilizing a pre-programmed Hach DR890 colorimeter. The colorimeter is calibrated and preprogrammed with a known wavelength standard of potassium permanganate and was used to evaluate the residual permanganate concentrations in the T=0, T=3 and T=5 days reactors. All results are provided in mg/l from the display. Because the range of the colorimeter is in the 0 – 50 mg/l range, up to 200-fold dilutions were required to read the initial T=0 days reactors, while 100-fold dilutions were used for the T=3 and T=5 days analysis.

2.3 Treatability Study Results

2.3.1 TAL Volatile Organic Compounds

As shown on the attached Tables 5 – 8, on Figure 1 and in the analytical data packages in Appendix C, potassium permanganate at the calculated dosages of both 50% of the TOD and 105% of the TOD were extremely effective at destroying residual dissolved phase TCE with no adverse side effects in all reactor vessels. Concentrations of TCE in the Baseline and Control reactors, 750 and 920-ug/l, respectively, are similar to those encountered at the site in MPW-07 (historical high of 1,100 ug/l) and indicate that water from the defined treatment zone was utilized during treatability testing with limited losses during collection, transportation and storage pending use. When compared to the T=0 days control concentrations of 920 ug/l, approximately 4.3% losses were noted in the T=3 days control (880 ug/l) and approximately 40.2% losses were noted in the T=5 days control (590 ug/l). These losses are insignificant when the T=0 days control TCE concentration is compared to the T=3 days reactor vessel TCE concentrations as the destruction of TCE was nearly complete in the T=3 days reactors.

A total of 100% destruction of TCE to less than the method MDL of 0.50 ug/l was noted in nearly all T=3 days and T=5 days reactor vessels, with some residual tetrachloroethene (PCE) remaining in the low dose reactors (50% of TOD) at the T=3 days and T=5 days reactors although still well below cleanup goals. The high dose of potassium permanganate (105% of the

TOD) in the T=5 days reactors resulted in complete destruction of all chlorinated ethenes to less than method MDLs.

Some additional VOCs and reaction byproducts were noted the analytical results, but all were very low ppb range and not a concern. Some of these compounds including acetone and 2-butanone which can be intermediate oxidation byproducts as seen at other sites and will naturally attenuate in the subsurface. Toluene and MTBE were also observed but it is unknown as those compounds are not intermediate byproducts. While these compounds were present, they were detected at very low concentrations or on the order of less than 1 ug/l.

2.3.2 TAL Metals

Results of TAL Metals analysis are included as Table 9 and the analytical data packages are included as Appendix C. As shown on the summary tables, four (4) metals decreased compared to the control. Cobalt, iron, nickel and zinc all reduced concentrations from the T = 5 days reactors compared to the T = 5 days control. Chromium, mercury, manganese, potassium and thallium all resulted in higher concentrations when compared to the T = 5 days control. Manganese and potassium increases were anticipated as they are the primary components of potassium permanganate. Increases in chromium, mercury and thallium, while detected, were very low with chromium increasing the most from 20.3 ug/l in the T = 5 days control to as high as 90.2 ug/l in the T=5 Days, 1.75% High reactor.

These resultant concentrations, while higher than the control, are very low and will likely attenuate in the subsurface following completion of oxidation and the aquifer returns to a lower oxidation-reduction potential state. It is common for reduced metals such as chromium to be oxidized during ISCO applications only to return to their reduced state following exhaustion of permanganates. Increases in mercury were also noted, but were very low with the highest concentration of mercury detected at 0.087 ug/l compared to the control concentration of 0.028-ug/l. Finally, a similar trend was noted in thallium with the highest concentrations reported of 24.6 ug/l in the T=5 days, 1.5% high reactor.

In an attempt to quantify the results of the TAL Metals analysis compared to other previous work at the site, **Panther** compared the results of the TAL Metals analysis to the Metals analysis conducted during the initial TS completed by CDM. In a direct comparison of results, concentrations of metals were either similar to reported results, or in the case of chromium, significantly less than concentrations reported during CDM Treatability Testing (260 ug/l for 1% KMnO₄ dose in the CDM Treatability Study compared to 90.2 ug/l reported herein). Additionally, results reported herein for mercury are below the MDLs reported in the CDM Treatability Study and do not indicate an ongoing concern for ISCO at the site.

2.3.3 Geochemical and Residual Permanganate

As shown on Table 10 attached, residual permanganate was detected in each of the T=3 and T=5 days time points indicating that further treatment would occur even post sampling of these two events. Each vessel was tested for residual permanganate and while very low concentrations of residuals were detected in the T=3 days medium dosage reactors, there was sufficient permanganate added to the vessels for complete destruction of TCE to occur and satisfy natural demands of the soil and water.

The laboratory collected parameters including pH, conductivity, oxidation-reduction potential (ORP) and dissolved oxygen all resulted in typical changes associated with oxidation programs. The primary indicator, ORP, increased approximately two (2) times over the control vessels (222.8 mV average for all controls to over 600 mV in T=5 days, 2% high reactor) while pH generally remained neutral, the T=5 days reactor showed slightly reduced pH (into the high 5 s.u. range) likely due to acidic intermediate byproducts. While DO changes were noted from the control vessels to the dosed reactor vessels, trends in DO from the T=0 days to the T=5 days reactors did not indicate sampling mishandling or concerns related to reactor preparation that may have influenced final results. Although increases in DO were noted compared to the baseline sampling of MW-ISCO-04, control results did not indicate significant volatilization losses due to excessive handling.

The geochemical parameters evaluated for control changes to the T=5 days reactors did not indicate significant concerns related to ISCO implementation. The only parameters that changed

significantly from the T=5 days control to the T = 5 days reactor vessels were Total Suspended and Dissolved Solids. As expected during oxidation where manganese dioxide is a byproduct of oxidation, moderate increases were noted for each of the solids analysis. Similar to the metals results above, the increases were low and are not expected to impact remediation at the site. Based on the relatively small mass of oxidants anticipated for injection into the aquifer compared to the soil and water mass, these increases are small and should not adversely affect the aquifer.

2.4 Deviations from the Approved TSWP

This section discusses deviations from the approved TSWP. These deviations included:

- As a result of low recoveries of split spoons samples from interior soil borings ISCO-SB-02 and ISCO-SB-03, additional soils were collected from monitoring wells within the treatment zone including ISCO-MW-03, ISCO-MW-04 and ISCO-MW-05 to provide a basis for determine of NODs present at the site and for use in the TS.
- Due to the limited recoveries of soils from all five (5) locations discussed above, the soil quantities used to setup the vessels were lower than proposed within the TSWP. As opposed to 250-grams and 1,000-grams for the reactors in the TSWP, 75-grams were used for the small reactors while 750-grams of soil were used for the larger reactors.
- Because of the extensive analytical on the T=5 days vessels, the vessel size was increased from the TSWP proposed 2,000-ml to 3,780-ml to ensure sufficient volume for sampling.
- While the TAL VOC samples were quenched as discussed within the TSWP, based on recommendations from the analytical laboratory, the TAL Metals analyses were also quenched with ascorbic acid. No other samples were quenched that may have influenced analytical procedures.
- As a result of no soil contamination in the treatment zone, the samples collected from each of the locations were contained with double lined plastic ziplock bags as opposed to glass bottles lined with PTFE lids; and
- As opposed to a benchtop Accumet Meter, a calibrated multiparameter YSI 600 XL was used to measure pH along with conductivity, ORP and DO.

2.5 Pilot Study Recommendations

Based on the successful results of the TS in meeting and exceeding the treatment goals for the site (150-ug/l), **Panther** recommends proceeding to field Pilot Test and testing the medium dose of potassium permanganate at a 1.5% – 1.75% nominal injected concentration.

3.0 PROPOSED PILOT STUDY ACTIVITIES

3.1 Construction of ISCO Injection Wells

The ISCO Injection wells proposed for testing have already been installed and developed as shown on the attached Figure 2. All wells were installed per the original design specifications except for a materials change in the risers from stainless steel to Sch. 40 PVC. Construction details for the wells installed include:

- Total depth of approximately 221 - 222' bgs;
- 20 feet of 2-inch 0.020 slotted Sch 5 304 Stainless Steel screen from 28 to 8-feet AMSL;
- #1 Morie gravel pack to approximately 2-feet above the screen or 30-feet AMSL;
- #00 Morie or equivalent sand seal approximately 5-feet above the gravel pack, or from 30-feet AMSL to 35-feet AMSL;
- Bentonite seal from 35-feet AMSL to the surface, or approximately 229-feet AMSL;
- 2-inch Sch. 40 PVC riser to approximately 6-inches BGS; and
- 8-inch diameter H20 rated traffic manhole protective flushmount cover with a 24-inch x 24-inch minimum 4,000 psi 28-day compressive strength concrete pad.

All wells were previously developed for approximately 2-hours per well, or until the water was silt and sand free in accordance with their required specification.

3.2 Baseline Testing of Injection and Monitoring Wells

Prior to implementation of the Pilot Test, groundwater samples from MW-ISCO-01, MW-ISCO-04, IW-ISCO-05 and IW-ISCO-06 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 Pilot Study “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.

3.3 ISCO Pilot Study Methodology

In support of Pilot Testing within the ISCO Treatment Area, **Panther** will mobilize a high flow injection trailer equipped with both magnetic drive pumps and larger double diaphragm chemically resistant positive displacement pumps, 21,000-gallon epoxy coated 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. As shown on Figure 3, a specialized 2-inch diameter wellhead will be installed on IW-ISCO-05 to facilitate injections during pilot testing that is 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. While IW-ISCO-05 will be used for injections, adjacent wells MW-ISCO-01, MW-ISCO-04, MW-ISCO-05, IW-ISCO-04, IW-ISCO-06 and IW-ISCO-07 will be used for field and/or analytical monitoring. The trailer system mobilized will also be used for the full scale activities to be performed shortly after completion and verification of the Pilot Study.

Following setup of the mixing and injection systems, supersack quantities of potassium permanganate will be delivered to the site and will be stored under cover in the adjacent building to prevent saturation during potential precipitation events. A nominal 1.5% - 1.75% potassium permanganate solution will be mixed within the frac tanks and injected into IW-ISCO-05 at

approximately 10-gallons per minute (GPM). During mixing, the 2,000 lb supersacks of permanganate will be loaded into epoxy coated bottom dumping hoppers and 16,000 gallon batch mixes of the 1.5% - 1.75% solution will be mixed within the frac tanks awaiting injection. 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% - 1.75% injection solution will be mixed by adding one (1) 2,000 lb supersack of KMnO_4 to approximately 16,000 gallons of water within the frac tank. A total of two (2) tanks will be mixed for injection of the design quantity of approximately 4,000 lbs of KMnO_4 for a total injection of 32,000 gallons of 1.5% - 1.75% KMnO_4 into IW-ISCO-05. At a rate of 10-12 GPM, a total of 8 - 10-days are anticipated to be necessary to complete the injections.

3.4 ISCO Pilot Study Monitoring

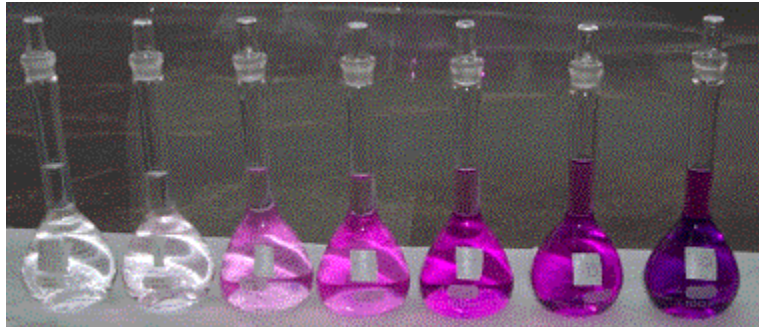
In order to determine the effectiveness of the pilot test, select groundwater monitoring wells will be used to monitor depth-to-water, field parameters and/or groundwater quality prior to, during and after the planned injections. Monitoring Wells MW-ISCO-01, MW-ISCO-04 and MW-ISCO-05 along with injection wells not planned for use in Pilot Testing (IW-ISCO-04, IW-ISCO-06 and IW-ISCO-07) will be used to monitor the groundwater quality within the treatment area. These wells and the parameters to be monitored are identified on Table 11. As shown on Table 11, cross-gradient wells will be sampled for field parameters only while source area wells and downgradient monitoring wells will be analyzed for both field and laboratory parameters.

3.4.1 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 controlled injections 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 occurring 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 11. In addition to visual and field geochemical parameters, down hole dataloggers will be installed to track changes in groundwater elevations under pumping conditions. The dataloggers will be used to determine effects of pumping and mounding during injections. Dataloggers will be installed in IW-ISCO-06, MW-ISCO-04 and MW-ISCO-05 to log elevations and water temperatures over the duration of the Pilot Test. This data will be used to determine the effective radius of influence of injections along with allowing the effects of multiple injection rates to be tested during injections to determine the final full-scale injection rates.

3.5 Post Pilot Analytical Testing of Injection and Monitoring Wells

Approximately one week following implementation of the Pilot Test, groundwater samples from MW-ISCO-01, MW-ISCO-04, MW-ISCO-05 and IW-ISCO-06 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 Pilot Study “Post Injection” 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 injection and monitoring wells following purging, samples for TAL Metals will be quenched with ascorbic acid, similar to quenching within the TS, 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 scale-up from the TS to the Pilot Study and serve as the basis for scale-up to the Full Scale injection program. Evaluation of changes in

COCs and geochemical parameters within the defined 30-foot treatment zone, and their effects on adjacent injection and monitoring wells will provide the final information necessary relative to oxidant quantities, flow rates, radius of influence and expected Full Scale treatment effectiveness relative to the project objectives.

3.6 Health and Safety

All chemical handling, mixing and injection activities at the LAI site will be performed by personnel who have received 40-hours of initial training and 8-hours of annual refresher training in accordance with the Occupational Safety and Health Administration's (OSHA's) Hazardous Waste Operation and Emergency Response (HAZWOPER) Standard, 29 CFR 1910.120 (e). All technical personnel also participate in a medical monitoring program for all hazardous waste workers as specified by 29 CFR 1910.120 (f). Technical personnel must be medically fit for duty, as evidenced by a physician's written release stating the worker has undergone annual medical monitoring and has passed the medical surveillance examination prior to any site work.

Panther has prepared a site-specific Health and Safety Plan (HASP) that governs field activities at sites where a remedial action is proposed prior to their mobilization. As discussed within the HASP, due to the inherent risks associated with handling and injection of chemical oxidants, all **Panther** personnel receive specialty chemical handling training from the chemical manufacturers, are required to be in attendance at the morning tool box safety meetings if onsite, complete routine site safety audits and fully understand the emergency contingency plan prepared for the site in event of an emergency. Each HASP is prepared in accordance with the HAZWOPER Standard, OSHA's *Guidance Manual for Hazardous Waste Site Activities*, and other appropriate health and safety standards and procedures.

4.0 DATA MANAGEMENT AND QUALITY ASSURANCE/QUALITY CONTROL

Various types of data will be produced during the Pilot Study and will include analytical data from laboratories, graphs, tables, photographs and field log books contents. Data will be maintained and stored on secured servers (electronic files) and in project files at **Panther**. **Panther** will retain a copy of all data generated during the Pilot Study until completion of the project at which time **Panther** will transfer all data packages to Arrowhead/CDM.

The Pilot Study will be performed in accordance with the approved LAI Quality Assurance Project Plan (QAPP) prepared by Arrowhead Contracting Inc., where applicable, with additional reference to the *Final Quality Assurance Project Plan Remedial Action* dated September 29, 2009. While the approved QAPP does not directly address Pilot Testing activities, applicable sections related to groundwater sampling and analysis, sample shipping and hold times along with other pertinent sections of the QAPP will be applied and conformed to, as needed. Prior to initiating the PS, the QAPP will be reviewed to verify that all activities conform to the related sections of the QAPP. In the event the QAPP does not sufficiently address the tests presented in this TSWP (e.g. residual oxidant measurements), a QAPP supplement may be prepared to establish the additional procedures and requirements.

Data from Test America laboratories will be received in a reduced deliverable format in accordance with standard TAL Level 2E or 4 reporting following analysis on 1 or 2-week turnaround times, whichever is available based on the methods cited. All data will be validated by a third party data validator for compliance utilizing the following EPA procedures:

- Volatile Organic Analyses will utilize the USEPA CLP Method SOM01.2 - EPA National Functional Guidelines for Superfund Organic Methods Data Review (EPA-540-R-08-01, June 2008).
- TAL Metals will utilize the USEPA Region II SOP for the review of data in accordance with CLP Method ILM05.3 (HW-2, Rev. 13 10/06).

- The miscellaneous Wet Chemistry Analytes including Chlorides, Sulfates, TDS, TSS, Alkalinity and TOC will be reviewed for compliance with the cited method QC criteria in terms of holding time, method blank analysis, laboratory control sample analysis and matrix spike recoveries (where applicable).

Following validation, all data will be compiled in Excel table format for evaluation during reporting activities.

4.1 Preliminary Pilot Study Schedule

Panther currently anticipates collection of baseline samples from MW-ISCO-01, MW-ISCO-04, MW-ISCO-05 and IW-ISCO-06 the week of April 19, 2010 with mobilization and site setup occurring the same week and commencement of PS injection activities the week of April 26, 2010. Assuming 10-days of injections, the PS shall be completed the week of May 10, 2010 with Post PS groundwater sampling occurring the week of May 17, 2010. Following the one week turnaround time, sampling results shall be received and submitted for validation the week of May 24, 2010.

4.2 Pilot Study Reporting

Following completion of the PS program, the results of the PS will be presented along with any conclusions, recommendations and potential modifications to the anticipated full scale oxidation program as an addendum to the existing Arrowhead Contracting, Inc. *Final Work Plan – Remedial Construction Activities*, Revision 1, dated January 2010. The WP addendum inclusive of the PS results will be presented to Arrowhead and CDM for comments and approval prior to final design and implementation of the full scale ISCO program in late May or early June 2010.

5.0 REFERENCES

- CDM Federal Programs Corporation, September 2009. *Final Quality Assurance Project Plan – Remedial Action.*
- CDM Federal Programs Corporation, July 2009. Technical Specifications - Lawrence Aviation Superfund Site 100% Remedial Design.
- Siegrist et. al. 2001. Principles and Practices of In Situ Chemical Oxidation Using Permanganate.
- United States Environmental Protection Agency, November 1992. Guide for Conducting Treatability Studies under CERCLA.

TABLES
PILOT STUDY WORKPLAN
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

Table 2. Summary of MW-ISCO-04 Baseline Groundwater Analytical Results. Lawrence Aviation Superfund Site. Port Jefferson, New York. Page 1 of 1

Panther Sample ID:			MW-ISCO-04 Baseline		MW-ISCO-04 BaselineDL	
Lab Sample ID:			821987		821987	
Date Sampled:			3/5/2010		3/5/2010	

<i>TCL VOCs SOM01.2</i>	CAS Number	Units				
Acetone	67-64-1	ug/l	20	J	78	J
Benzene	71-43-2	ug/l	2.5	U	31	U
Bromochloromethane	74-97-5	ug/l	2.5	U	31	U
Bromodichloromethane	75-27-4	ug/l	2.5	U	31	U
Bromoform	75-25-2	ug/l	2.5	U	31	U
Bromomethane	74-83-9	ug/l	2.5	U	31	U
2-Butanone (MEK)	78-93-3	ug/l	25	U	310	U
Carbon disulfide	75-15-0	ug/l	2.5	U	31	U
Carbon tetrachloride	56-23-5	ug/l	2.5	U	31	U
Chlorobenzene	108-90-7	ug/l	2.5	U	31	U
Chloroethane	75-00-3	ug/l	2.5	U	31	U
Chloroform	67-66-3	ug/l	2.5	U	31	U
Chloromethane	74-87-3	ug/l	2.5	U	31	U
Cyclohexane	110-82-7	ug/l	2.5	U	31	U
1,2-dichlorobenzene	95-50-1	ug/l	2.5	U	31	U
1,3-dichlorobenzene	541-73-1	ug/l	2.5	U	31	U
1,4-dichlorobenzene	106-46-7	ug/l	2.5	U	31	U
Dibromochloromethane	124-48-1	ug/l	2.5	U	31	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	2.5	U	31	U
Dichlorodifluoromethane	75-71-8	ug/l	2.5	U	31	U
1,2-Dibromoethane	106-93-4	ug/l	2.5	U	31	U
1,1-Dichloroethane	75-34-3	ug/l	2.5	U	31	U
1,2-Dichloroethane	107-06-2	ug/l	2.5	U	31	U
1,1-Dichloroethene	75-35-4	ug/l	2.5	U	31	U
cis-1,2-Dichloroethene	156-59-2	ug/l	1.3	J	31	U
trans-1,2-Dichloroethene	156-60-5	ug/l	2.5	U	31	U
1,2-Dichloropropane	78-87-5	ug/l	2.5	U	31	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	2.5	U	31	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	2.5	U	31	U
Ethylbenzene	100-41-4	ug/l	2.5	U	31	U
2-Hexanone	591-78-6	ug/l	25	U	310	U
Isopropylbenzene	98-82-8	ug/l	2.5	U	31	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	25	U	310	U
Methyl Acetate	79-20-9	ug/l	2.5	U	31	U
Methylene chloride	75-09-2	ug/l	2.5	U	31	U
Methylcyclohexane	108-87-2	ug/l	2.5	U	31	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	2.5	U	31	U
Styrene	100-42-5	ug/l	2.5	U	31	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	2.5	U	31	U
Tetrachloroethene	127-18-4	ug/l	4.3		31	U
Toluene	108-88-3	ug/l	2.5	U	31	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	2.5	U	31	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	2.5	U	31	U
1,1,1-Trichloroethane	71-55-6	ug/l	2.5	U	31	U
1,1,2-Trichloroethane	79-00-5	ug/l	2.5	U	31	U
Trichloroethene	79-01-6	ug/l	660	E	750	D
Trichlorofluoromethane	75-69-4	ug/l	2.5	U	31	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	2.5	U	31	U
Vinyl chloride	75-01-4	ug/l	2.5	U	31	U
o-Xylene	95-47-6	ug/l	2.5	U	31	U
m&p-Xylene	179601-23-1	ug/l	2.5	U	31	U
Total TIC, Volatile	Not Available	ug/l				

Notes

Italics and grey shading indicates compound 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 4. Treatability Study Test Reactor Setup Summary. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Test Description	Media	Dosage	Analyses			
			Field Sampled	Day 0	Day 3	Day 5
Baseline	GW	--	(1) TAL VOC			
			(1) TAL Metals			
			(1) Chlorides			
			(1) Sulfates			
			(1) TDS/TSS			
			(1) Alkalinity			
			(1) TOC			
Control	GW	--		(1) TAL VOC	(1) TAL VOC	(1) TAL VOC
						(1) TAL Metals
						(1) Chlorides
						(1) Sulfates
						(1) TDS/TSS
						(1) Alkalinity
						(1) TOC
1.5% KMnO ₄	GW	M/H		(2) TAL VOC	(2) TAL VOC	(2) TAL VOC
				(2) Residual KMnO ₄	(2) Residual KMnO ₄	(2) TAL Metals
				(2) Field Parameters	(2) Field Parameters	(2) Chlorides
						(2) Sulfates
						(2) TDS/TSS
						(2) Alkalinity
						(2) TOC
						(2) Residual KMnO ₄
						(2) Field Parameters
1.75% KMnO ₄	GW	M/H		(2) TAL VOC	(2) TAL VOC	(2) TAL VOC
				(2) Residual KMnO ₄	(2) Residual KMnO ₄	(2) TAL Metals
				(2) Field Parameters	(2) Field Parameters	(2) Chlorides
						(2) Sulfates
						(2) TDS/TSS
						(2) Alkalinity
						(2) TOC
						(2) Residual KMnO ₄
						(2) Field Parameters
2.0% KMnO ₄	GW	M/H		(2) TAL VOC	(2) TAL VOC	(2) TAL VOC
				(2) Residual KMnO ₄	(2) Residual KMnO ₄	(2) TAL Metals
				(2) Field Parameters	(2) Field Parameters	(2) Chlorides
						(2) Sulfates
						(2) TDS/TSS
						(2) Alkalinity
						(2) TOC
						(2) Residual KMnO ₄
						(2) Field Parameters

Notes:

GW - groundwater samples
M - medium dose (50% of total oxidant demand)
H - high dose (110% of total oxidant demand)
KMnO₄ - Potassium Permanganate
Field Parameters - pH, DO, Conductivity and ORP.

US EPA Methods:

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
TOC – 415.1/415.2

Table 5. Summary of Groundwater Analytical Results for Day 0 Treatability Testing. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			MW-ISCO-04 Baseline		MW-ISCO-04 BaselineDL		D = 0, Control		D = 0, ControlDL		D = 0, 1.5% Med		D = 0, 1.5% Med DL		D = 0, 1.5% High		D = 0, 1.5% High DL		D = 0, 1.75% Med	
Lab Sample ID:			821987		821987		823195		823195D1		823189		823189D1		832190		832190D1		823191	
Date Sampled:			3/5/2010		3/5/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010	

<i>TCL VOCs SOM01.2</i>	CAS Number	Units																		
Acetone	67-64-1	ug/l	20	J	78	J	13	JB	320	U	17	J	28	U	18	J	220	U	22	J
Benzene	71-43-2	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Bromochloromethane	74-97-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Bromodichloromethane	75-27-4	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Bromoform	75-25-2	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Bromomethane	74-83-9	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
2-Butanone (MEK)	78-93-3	ug/l	25	U	310	U	28.0	U	320	U	25	U	280	U	20	U	220	U	25	U
Carbon disulfide	75-15-0	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Carbon tetrachloride	56-23-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Chlorobenzene	108-90-7	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Chloroethane	75-00-3	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Chloroform	67-66-3	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Chloromethane	74-87-3	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Cyclohexane	110-82-7	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,2-dichlorobenzene	95-50-1	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,3-dichlorobenzene	541-73-1	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,4-dichlorobenzene	106-46-7	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Dibromochloromethane	124-48-1	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Dichlorodifluoromethane	75-71-8	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,2-Dibromoethane	106-93-4	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,1-Dichloroethane	75-34-3	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,2-Dichloroethane	107-06-2	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,1-Dichloroethene	75-35-4	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	1.3	J	31	U	1.3	J	32	U	1.1	J	28	U	2.0	U	22.0	U	1.0	J
trans-1,2-Dichloroethene	156-60-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,2-Dichloropropane	78-87-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Ethylbenzene	100-41-4	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
2-Hexanone	591-78-6	ug/l	25	U	310	U	28.0	U	320	U	25	U	280	U	20.0	U	220.0	U	25	U
Isopropylbenzene	98-82-8	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	25	U	310	U	28.0	U	320	U	25	U	280	U	20.0	U	220.0	U	25	U
Methyl Acetate	79-20-9	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Methylene chloride	75-09-2	ug/l	2.5	U	31	U	1.7	J	32	U	2.8		28	U	2.6		22.0	U	2.4	J
Methylcyclohexane	108-87-2	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Styrene	100-42-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Tetrachloroethene	127-18-4	ug/l	4.3		31	U	6.3		32	U	5.1		28	U	4.8		22.0	U	4.7	
Toluene	108-88-3	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	J	2.0	U	22.0	U	2.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Trichloroethene	79-01-6	ug/l	660	E	750	D	760	E	920	D	490	E	600	D	380	E	480	D	470	E
Trichlorofluoromethane	75-69-4	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Vinyl chloride	75-01-4	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
o-Xylene	95-47-6	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
m&p-Xylene	179601-23-1	ug/l	2.5	U	31	U	2.8	U	32	U	2.5	U	28	U	2.0	U	22.0	U	2.5	U
Total TIC, Volatile	Not Available	ug/l					16	JXB	230	JXBD	160	JXBD	210	JXBD	15	JXB	160	JXBD	20	JXB

Notes
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 Groundwater Analytical Results for Day 0 Treatability Testing. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			D = 0, 1.75% Med DL		D = 0, 1.75% High		D = 0, 1.75% High DL		D = 0, 2.0% Med		D = 0, 2.0% Med DL		D = 0, 2.0% High		D = 0, 2.0% High DL	
Lab Sample ID:			832191D1		823192		832192D1		823193		832193D1		823194		832194D1	
Date Sampled:			3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010	

<i>TCL VOCs SOM01.2</i>	CAS Number	Units														
Acetone	67-64-1	ug/l	290	U	30		240	U	20	J	290	U	26		270	U
Benzene	71-43-2	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Bromochloromethane	74-97-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Bromodichloromethane	75-27-4	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Bromoform	75-25-2	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Bromomethane	74-83-9	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
2-Butanone (MEK)	78-93-3	ug/l	290.0	U	21.0	U	240.0	U	25	U	290.0	U	24.0	U	270	U
Carbon disulfide	75-15-0	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Carbon tetrachloride	56-23-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Chlorobenzene	108-90-7	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Chloroethane	75-00-3	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Chloroform	67-66-3	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Chloromethane	74-87-3	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Cyclohexane	110-82-7	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,2-dichlorobenzene	95-50-1	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,3-dichlorobenzene	541-73-1	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,4-dichlorobenzene	106-46-7	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Dibromochloromethane	124-48-1	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Dichlorodifluoromethane	75-71-8	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,2-Dibromoethane	106-93-4	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,1-Dichloroethane	75-34-3	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,2-Dichloroethane	107-06-2	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,1-Dichloroethene	75-35-4	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
cis-1,2-Dichloroethene	156-59-2	ug/l	29.0	U	0.85	J	24.0	U	1.1	J	29.0	U	2.4	U	27	U
trans-1,2-Dichloroethene	156-60-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,2-Dichloropropane	78-87-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Ethylbenzene	100-41-4	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
2-Hexanone	591-78-6	ug/l	290.0	U	21.0	U	240.0	U	25	U	290.0	U	24.0	U	270	U
Isopropylbenzene	98-82-8	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	290.0	U	21.0	U	240.0	U	25	U	290.0	U	24.0	U	270	U
Methyl Acetate	79-20-9	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Methylene chloride	75-09-2	ug/l	29.0	U	2.5		24.0	U	3.3		29.0	U	3.3		27	U
Methylcyclohexane	108-87-2	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Styrene	100-42-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Tetrachloroethene	127-18-4	ug/l	29.0	U	4.7		24.0	U	4.9		29.0	U	4.9		27	U
Toluene	108-88-3	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,1,1-Trichloroethane	71-55-6	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,1,2-Trichloroethane	79-00-5	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Trichloroethene	79-01-6	ug/l	630	D	410	E	570	D	480	E	670	D	430	E	570	D
Trichlorofluoromethane	75-69-4	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Vinyl chloride	75-01-4	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
o-Xylene	95-47-6	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
m&p-Xylene	179601-23-1	ug/l	29.0	U	2.1	U	24.0	U	2.5	U	29.0	U	2.4	U	27	U
Total TIC, Volatile	Not Available	ug/l	210	JXBD	17	JXB	170	JXBD	20	JXB	210	JXBD	17	JXB	190	JXBD

Notes
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 Groundwater Analytical Results for Day 3 Treatability Testing. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			MW-ISCO-04 Baseline		MW-ISCO-04 BaselineDL		D = 3, Control		D = 3, ControlDL		D = 3, 1.5% Med		D = 3, 1.5% Med DL		D = 3, 1.5% High		D = 3, 1.75% Med	
Lab Sample ID:			821987		821987		823202		823202D1		823196		823196D1		823197		823198	
Date Sampled:			3/5/2010		3/5/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010		3/17/2010	
<i>TCL VOCs SOM01.2</i>	CAS Number	Units																
Acetone	67-64-1	ug/l	20	J	78	J	15	JB	310	U	57		63	D	73		57	B
Benzene	71-43-2	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Bromochloromethane	74-97-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Bromodichloromethane	75-27-4	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Bromoform	75-25-2	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Bromomethane	74-83-9	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/l	25	U	310	U	27	U	310	U	3.6	J	5.1	DJ	5.3	J	3.8	J
Carbon disulfide	75-15-0	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Carbon tetrachloride	56-23-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Chlorobenzene	108-90-7	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Chloroethane	75-00-3	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Chloroform	67-66-3	ug/l	2.5	U	31	U	2.7	U	31	U	0.26	J	0.95	U	0.85	U	0.22	J
Chloromethane	74-87-3	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Cyclohexane	110-82-7	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,2-dichlorobenzene	95-50-1	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,3-dichlorobenzene	541-73-1	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,4-dichlorobenzene	106-46-7	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Dibromochloromethane	124-48-1	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Dichlorodifluoromethane	75-71-8	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,2-Dibromoethane	106-93-4	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,1-Dichloroethene	75-35-4	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	1.3	J	31	U	1.1	J	31	U	0.5	U	0.95	U	0.85	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,2-Dichloropropane	78-87-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Ethylbenzene	100-41-4	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
2-Hexanone	591-78-6	ug/l	25	U	310	U	27	U	310	U	5	U	9.5	U	8.5	U	5.0	U
Isopropylbenzene	98-82-8	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	25	U	310	U	27	U	310	U	5	U	9.5	U	8.5	U	5.0	U
Methyl Acetate	79-20-9	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Methylene chloride	75-09-2	ug/l	2.5	U	31	U	16		19	DJ	23	E	22	D	27		20	E
Methylcyclohexane	108-87-2	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	2.5	U	31	U	2.7	U	31	U	0.63		0.61	DJ	0.64	J	0.56	
Styrene	100-42-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Tetrachloroethene	127-18-4	ug/l	4.3		31	U	5.6		31	U	2.7		2.5	D	0.74	J	3.0	
Toluene	108-88-3	ug/l	2.5	U	31	U	2.7	U	31	U	0.82		0.79	DJ	0.90		0.73	
1,2,4-Trichlorobenzene	120-82-1	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Trichloroethene	79-01-6	ug/l	660	E	750	D	700	E	880	D	0.25	J	0.95	U	0.85	U	0.5	U
Trichlorofluoromethane	75-69-4	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Vinyl chloride	75-01-4	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
o-Xylene	95-47-6	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
m&p-Xylene	179601-23-1	ug/l	2.5	U	31	U	2.7	U	31	U	0.5	U	0.95	U	0.85	U	0.5	U
Total TIC, Volatile	Not Available	ug/l	148.8		150.2	J	16	JXB	230	JXBD	3.6	JXB	3.6	JXB	6.3	JXB	3	JXB

Notes
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 Groundwater Analytical Results for Day 3 Treatability Testing. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			D = 3, 1.75% Med DL		D = 3, 1.75% High		D = 3, 2.0% Med		D =3, 2.0% High	
Lab Sample ID:			823198D1		823199		823200		823201	
Date Sampled:			3/17/2010		3/17/2010		3/17/2010		3/17/2010	
<i>TCL VOCs SOM01.2</i>	CAS Number	Units								
Acetone	67-64-1	ug/l	52	D	56	B	38		52	
Benzene	71-43-2	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Bromochloromethane	74-97-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Bromodichloromethane	75-27-4	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Bromoform	75-25-2	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Bromomethane	74-83-9	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
2-Butanone (MEK)	78-93-3	ug/l	4.1	DJ	3.8	J	2.6	J	4.4	J
Carbon disulfide	75-15-0	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Carbon tetrachloride	56-23-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Chlorobenzene	108-90-7	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Chloroethane	75-00-3	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Chloroform	67-66-3	ug/l	1.0	U	0.20	J	0.26	J	0.8	U
Chloromethane	74-87-3	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Cyclohexane	110-82-7	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,2-dichlorobenzene	95-50-1	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,3-dichlorobenzene	541-73-1	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,4-dichlorobenzene	106-46-7	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Dibromochloromethane	124-48-1	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Dichlorodifluoromethane	75-71-8	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,2-Dibromoethane	106-93-4	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,1-Dichloroethane	75-34-3	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,2-Dichloroethane	107-06-2	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,1-Dichloroethene	75-35-4	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
cis-1,2-Dichloroethene	156-59-2	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
trans-1,2-Dichloroethene	156-60-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,2-Dichloropropane	78-87-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Ethylbenzene	100-41-4	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
2-Hexanone	591-78-6	ug/l	10.0	U	5.0	U	5.0	U	8.0	U
Isopropylbenzene	98-82-8	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	10.0	U	5.0	U	5.0	U	8.0	U
Methyl Acetate	79-20-9	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Methylene chloride	75-09-2	ug/l	21	D	19		18		20	
Methylcyclohexane	108-87-2	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.61	DJ	0.55		0.64		0.54	J
Styrene	100-42-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Tetrachloroethene	127-18-4	ug/l	2.7	D	0.95		2.6		0.63	J
Toluene	108-88-3	ug/l	0.75	DJ	0.74		0.68		0.77	J
1,2,4-Trichlorobenzene	120-82-1	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,1,1-Trichloroethane	71-55-6	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,1,2-Trichloroethane	79-00-5	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Trichloroethene	79-01-6	ug/l	1.0	U	0.5	U	0.28	J	0.8	U
Trichlorofluoromethane	75-69-4	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Vinyl chloride	75-01-4	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
o-Xylene	95-47-6	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
m&p-Xylene	179601-23-1	ug/l	1.0	U	0.5	U	0.5	U	0.8	U
Total TIC, Volatile	Not Available	ug/l	7.4	JXBD	2.9	JXB	3.7	JXB	6.7	NJXB

Notes
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 7. Summary of Groundwater Analytical Results for Day 5 Treatability Testing. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			MW-ISCO-04 Baseline		MW-ISCO-04 BaselineDL		D = 5, Control		D = 5, ControlDL		D = 5, 1.5% Med		D = 5, 1.5% Med Duplicate		D = 5, 1.5% High		D = 5, 1.5% High DL	
Lab Sample ID:			821987		821987		823376		823376D1		823378		823379		823377		823377D	
Date Sampled:			3/5/2010		3/5/2010		3/19/2010		3/19/2010		3/19/2010		3/19/2010		3/19/2010		3/19/2010	
TCL VOCs SOM01.2	CAS Number	Units																
Acetone	67-64-1	ug/l	20	J	78	J	22		78	DJ	41		45		52		54	D
Benzene	71-43-2	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Bromochloromethane	74-97-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Bromodichloromethane	75-27-4	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Bromoform	75-25-2	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Bromomethane	74-83-9	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
2-Butanone (MEK)	78-93-3	ug/l	25	U	310	U	22	U	260	U	2.8	J	3.2	J	3.4	J	3.4	DJ
Carbon disulfide	75-15-0	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Carbon tetrachloride	56-23-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Chlorobenzene	108-90-7	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Chloroethane	75-00-3	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Chloroform	67-66-3	ug/l	2.5	U	31	U	2.2	U	26	U	0.20	J	0.22	J	0.5	U	1.0	U
Chloromethane	74-87-3	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Cyclohexane	110-82-7	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,2-dichlorobenzene	95-50-1	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,3-dichlorobenzene	541-73-1	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,4-dichlorobenzene	106-46-7	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Dibromochloromethane	124-48-1	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Dichlorodifluoromethane	75-71-8	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,2-Dibromoethane	106-93-4	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,1-Dichloroethane	75-34-3	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,2-Dichloroethane	107-06-2	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,1-Dichloroethene	75-35-4	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
cis-1,2-Dichloroethene	156-59-2	ug/l	1.3	J	31	U	1.1	J	26	U	0.5	U	0.5	U	0.5	U	1.0	U
trans-1,2-Dichloroethene	156-60-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,2-Dichloropropane	78-87-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Ethylbenzene	100-41-4	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
2-Hexanone	591-78-6	ug/l	25	U	310	U	22	U	260	U	5	U	5	U	5.0	U	10.0	U
Isopropylbenzene	98-82-8	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	25	U	310	U	22	U	260	U	5	U	5	U	5.0	U	10.0	U
Methyl Acetate	79-20-9	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Methylene chloride	75-09-2	ug/l	2.5	U	31	U	14		15	DJ	16		16		21	E	20	D
Methylcyclohexane	108-87-2	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	2.5	U	31	U	2.2	U	26	U	0.52		0.54		0.56		0.56	DJ
Styrene	100-42-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Tetrachloroethene	127-18-4	ug/l	4.3		31	U	3.8		26	U	0.72		0.74		0.5	U	1.0	U
Toluene	108-88-3	ug/l	2.5	U	31	U	2.2	U	26	U	0.69		0.67		0.70		0.66	DJ
1,2,4-Trichlorobenzene	120-82-1	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,1,1-Trichloroethane	71-55-6	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,1,2-Trichloroethane	79-00-5	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Trichloroethene	79-01-6	ug/l	660	E	750	D	560	E	590	D	0.5	U	0.5	U	0.5	U	1.0	U
Trichlorofluoromethane	75-69-4	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Vinyl chloride	75-01-4	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
o-Xylene	95-47-6	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
m&p-Xylene	179601-23-1	ug/l	2.5	U	31	U	2.2	U	26	U	0.5	U	0.5	U	0.5	U	1.0	U
Total TIC, Volatile	Not Available	ug/l	148.8		150.2	J	15	JXB	160	JXBD	3.6	JXB	3.3	JXB	3.3	JXB	6.6	JXB

Notes
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 7. Summary of Groundwater Analytical Results for Day 5 Treatability Testing. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			D = 5, 1.75% Med		D = 5, 1.75% High		D = 5, 2.0% Med		D =3, 2.0% High	
Lab Sample ID:			823381		823380		823383		823382	
Date Sampled:			3/19/2010		3/19/2010		3/19/2010		3/19/2010	
TCL VOCs SOM01.2	CAS Number	Units								
Acetone	67-64-1	ug/l	51		49		38		44	
Benzene	71-43-2	ug/l	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
Bromodichloromethane	75-27-4	ug/l	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
Bromomethane	74-83-9	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/l	3.3	J	4.3	J	3.0	J	3.2	J
Carbon disulfide	75-15-0	ug/l	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
Chlorobenzene	108-90-7	ug/l	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
Chloroform	67-66-3	ug/l	0.23	J	0.20	J	0.24	J	0.23	J
Chloromethane	74-87-3	ug/l	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
1,2-dichlorobenzene	95-50-1	ug/l	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
1,4-dichlorobenzene	106-46-7	ug/l	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
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	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
1,2-Dibromoethane	106-93-4	ug/l	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
1,2-Dichloroethane	107-06-2	ug/l	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
cis-1,2-Dichloroethene	156-59-2	ug/l	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
1,2-Dichloropropane	78-87-5	ug/l	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
trans-1,3-Dichloropropene	10061-02-6	ug/l	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
2-Hexanone	591-78-6	ug/l	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
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	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
Methylene chloride	75-09-2	ug/l	15		17		16		16	
Methylcyclohexane	108-87-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.59		0.60		0.57		0.58	
Styrene	100-42-5	ug/l	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
Tetrachloroethene	127-18-4	ug/l	0.76		0.5	U	0.60		0.5	U
Toluene	108-88-3	ug/l	0.66		0.61		0.51		0.64	
1,2,4-Trichlorobenzene	120-82-1	ug/l	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
1,1,1-Trichloroethane	71-55-6	ug/l	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
Trichloroethene	79-01-6	ug/l	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
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
Vinyl chloride	75-01-4	ug/l	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
m&p-Xylene	179601-23-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Total TIC, Volatile	Not Available	ug/l	3.4	JXB	3.4	JXB	3.2	JXB	3.3	JXB

Notes
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 8. Summary of Treatability Testing Laboratory Blank Analysis. Port Jefferson, New York.

Panther Sample ID:			VHBLK01		Trip Blank		Trip Blank		VBLKMO		VBLKMP		VBLKJR		VHBLK01		VIBLKMV	
Lab Sample ID:			821999		823203		823384		VBLKMO		VBLKMP		VBLKJR		VHBLK01		VIBLKMV	
Date Sampled:			3/6/2010		3/17/2010		3/19/2010		3/21/2010		3/22/2010		3/24/2010		3/19/2010		3/22/2010	

TCL VOCs SOM1.2	CAS Number	Units																
Acetone	67-64-1	ug/l	5.0	U	5.0	U	1.1	J	5.0	U	5.0	U	1.2	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	5.0	U	5.0	U	5.0	U	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	0.5	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	0.5	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	0.2	J	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	0.24	J
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	149	JXB	3.7	JXB	3.1	JXB	3.5	JX	3.6	JX	3.0	JX	2.8	JXB	3.9	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 8. Summary of Treatability Testing Laboratory Blank Analysis. Port Jefferson, New York.

Panther Sample ID:			VIBLKMW		VIBLKMZ		VIBLKMY		VIBLKMZ		VIBLKJA		VIBLKJC		VIBLKJD		VBLKJT	
Lab Sample ID:			VIBLKMW		VIBLKMZ		VIBLKMY		VIBLKMZ		VIBLKJA		VIBLKJC		VIBLKJD		VBLKJT	
Date Sampled:			3/22/2010		3/22/2010		3/22/2010		3/22/2010		3/24/2010		3/24/2010		3/24/2010		3/26/2010	
TCL VOCs SOM01.2	CAS Number	Units																
Acetone	67-64-1	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	2.0	JB	5.0	U	1.1	JB	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	5.0	U	5.0	U	5.0	U	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	0.5	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	0.5	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	0.22	J	0.28	J	0.31	J	0.29	J	0.5	U	0.21	J	0.5	J	0.5	J
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	4.0	JXB	4.1	JXB	3.9	JXB	4.1	JXB	3.0	JXB	2.9	JXB	2.9	JXB	3.2	JX

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 8. Summary of Treatability Testing Laboratory Blank Analysis. Port Jefferson, New York.

Panther Sample ID:			VBLKJU		VHBLK01	
Lab Sample ID:			VBLKJU		823385	
Date Sampled:			3/26/2010		3/26/2010	

TCL VOCs SOM01.2	CAS Number	Units				
Acetone	67-64-1	ug/l	5.0	U	5.0	U
Benzene	71-43-2	ug/l	0.5	U	0.5	U
Bromochloromethane	74-97-5	ug/l	0.5	U	0.5	U
Bromodichloromethane	75-27-4	ug/l	0.5	U	0.5	U
Bromoform	75-25-2	ug/l	0.5	U	0.5	U
Bromomethane	74-83-9	ug/l	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	5.0	U
Carbon disulfide	75-15-0	ug/l	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/l	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/l	0.5	U	0.5	U
Chloroethane	75-00-3	ug/l	0.5	U	0.5	U
Chloroform	67-66-3	ug/l	0.5	U	0.5	U
Chloromethane	74-87-3	ug/l	0.5	U	0.5	U
Cyclohexane	110-82-7	ug/l	0.5	U	0.5	U
1,2-dichlorobenzene	95-50-1	ug/l	0.5	U	0.5	U
1,3-dichlorobenzene	541-73-1	ug/l	0.5	U	0.5	U
1,4-dichlorobenzene	106-46-7	ug/l	0.5	U	0.5	U
Dibromochloromethane	124-48-1	ug/l	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.5	U	0.5	U
Dichlorodifluoromethane	75-71-8	ug/l	0.5	U	0.5	U
1,2-Dibromoethane	106-93-4	ug/l	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/l	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/l	0.5	U	0.5	U
1,1-Dichloroethene	75-35-4	ug/l	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.5	U	0.5	U
1,2-Dichloropropane	78-87-5	ug/l	0.5	U	0.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.5	U	0.5	U
Ethylbenzene	100-41-4	ug/l	0.5	U	0.5	U
2-Hexanone	591-78-6	ug/l	5.0	U	5.0	U
Isopropylbenzene	98-82-8	ug/l	0.5	U	0.5	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	5.0	U
Methyl Acetate	79-20-9	ug/l	0.5	U	0.5	U
Methylene chloride	75-09-2	ug/l	0.5	U	0.5	U
Methylcyclohexane	108-87-2	ug/l	0.5	U	0.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.5	U	0.5	U
Styrene	100-42-5	ug/l	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/l	0.5	U	0.5	U
Toluene	108-88-3	ug/l	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.5	U	0.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/l	0.5	J	0.5	U
Trichlorofluoromethane	75-69-4	ug/l	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
Vinyl chloride	75-01-4	ug/l	0.5	U	0.5	U
o-Xylene	95-47-6	ug/l	0.5	U	0.5	U
m&p-Xylene	179601-23-1	ug/l	0.5	U	0.5	U
Total TIC, Volatile	Not Available	ug/l	3.3	JX	3.4	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 9. Summary of Treatability Testing TAL Metals and Geochemical Analysis. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-04		D = 5 Control		D = 5, 1.5% Med		D = 5, 1.5% High		D = 5, 1.75%, Med	
Lab Sample ID:			821989		680-56085-1		680-56085-3		680-56085-2		680-56085-5	
Date Sampled:			3/5/2010		3/19/2010		3/19/2010		3/19/2010		3/19/2010	

TAL Metals ILM05.4	CAS Number	Units										
Silver	7440-22-4	ug/l	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
Aluminum	7429-90-5	ug/l	15800		20300		16100		14700		14600	
Arsenic	7440-38-2	ug/l	10	U	10	U	10	U	10	U	10	U
Barium	7440-39-3	ug/l	44.1	J	85.7	J	66.8	J	57.9	J	54.4	J
Beryllium	7440-41-7	ug/l	2.2	J	2.2	J	2.0	J	2.0	J	2.0	J
Calcium	7440-70-2	ug/l	16400		19000		17900		17600		16600	
Cadmium	7440-43-9	ug/l	1.1	J	5	U	5.0	U	5.0	U	5.0	U
Cobalt	7440-48-4	ug/l	43.9	J	46.8	J	3.6	J	3.0	J	3.5	J
Chromium	7440-47-3	ug/l	11		20.3		56.3		85.2		52.5	
Copper	7440-50-8	ug/l	3.8	J	13.4	J	7	J	25	U	3.9	J
Iron	7439-89-6	ug/l	186		6460		1350		293		1460	
Magnesium	7439-95-4	ug/l	7000		8630		7980		7720		7480	
Mercury	7439-97-6	ug/l	0.2	U	0.028	J	0.056	J	0.087	J	0.074	J
Manganese	7439-96-5	ug/l	1120		2130		12200		32600		10300	
Sodium	7440-23-5	ug/l	26300		27900		26100		25600		25300	
Nickel	7440-02-0	ug/l	236		212		31.7	J	25.2	J	18.4	J
Lead	7439-92-1	ug/l	5.2	J	11.7		8.4	J	3.5	J	6.5	J
Potassium	7440-09-7	ug/l	12500		14000		29300		46200		27600	
Selenium	7782-49-2	ug/l	35	U	35	U	35	U	35	U	35	U
Thallium	7440-28-0	ug/l	3.8	J	25	U	10.2	J	24.6	J	9.7	J
Vanadium	7440-62-2	ug/l	50	U	8.4	J	50	U	3.5	J	3.2	J
Zinc	7440-66-6	ug/l	45.8	J	41.3	J	9.0	J	6.4	J	9.2	J

Total Organic Carbon - SM5310B	NA	mg/l	8.3		2.8		2.5		3.1		3.8	

Total Suspended Solids - SM2540D	NA	mg/l	5	U	22		140		60		140	

Total Dissolved Solids - SM2540C	NA	mg/l	260		260		300		400		280	

Chloride - MCAWW Method 300.0	NA	mg/l	24		24		23		22		23	

Sulfate - MCAWW Method 300.0	NA	mg/l	37		35		30		28		30	

Alkalinity - SM2320B	NA	mg/l	47		45		37		38		39	

Qualifiers

J - Estimated Value

U - Not detected at method detection limit.

Table 9. Summary of Treatability Testing TAL Metals and Geochemical Analysis. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			D = 5, 1.75%, High		D = 5, 2%, Med		D = 5, 2% High	
Lab Sample ID:			680-56085-4		680-56085-7		680-56085-6	
Date Sampled:			3/19/2010		3/19/2010		3/19/2010	

TAL Metals ILM05.4	CAS Number	Units						
Silver	7440-22-4	ug/l	10	U	10	U	10	U
Antimony	7440-36-0	ug/l	60	U	60	U	60	U
Aluminum	7429-90-5	ug/l	15400		15400		14200	
Arsenic	7440-38-2	ug/l	10	U	10	U	10	U
Barium	7440-39-3	ug/l	59.4	J	62.7	J	47.2	J
Beryllium	7440-41-7	ug/l	2.1	J	2.1	J	1.8	J
Calcium	7440-70-2	ug/l	18200		17700		16700	
Cadmium	7440-43-9	ug/l	5.0	U	5.0	U	5.0	U
Cobalt	7440-48-4	ug/l	3.0	J	4.2	J	2.3	J
Chromium	7440-47-3	ug/l	90.2		56		81.8	
Copper	7440-50-8	ug/l	25		4.4	J	25	U
Iron	7439-89-6	ug/l	458		714		585	
Magnesium	7439-95-4	ug/l	7900		7800		7340	
Mercury	7439-97-6	ug/l	0.056	J	0.077	J	0.034	J
Manganese	7439-96-5	ug/l	33100		13000		33100	
Sodium	7440-23-5	ug/l	26400		25900		24700	
Nickel	7440-02-0	ug/l	25.4	J	28.3	J	18.1	J
Lead	7439-92-1	ug/l	6.6	J	10	U	4.2	J
Potassium	7440-09-7	ug/l	47200		30100		46600	
Selenium	7782-49-2	ug/l	35	U	35	U	35	U
Thallium	7440-28-0	ug/l	21.7	J	8.8	J	23.4	J
Vanadium	7440-62-2	ug/l	1.9	J	50	U	1.9	J
Zinc	7440-66-6	ug/l	7.6	J	8.3	J	7.1	J

Total Organic Carbon - SM5310B	NA	mg/l	2.9		2.5		2.8	

Total Suspended Solids - SM2540D	NA	mg/l	33		50		30	

Total Dissolved Solids - SM2540C	NA	mg/l	400		300		360	

Chloride - MCAWW Method 300.0	NA	mg/l	22		23		23	

Sulfate - MCAWW Method 300.0	NA	mg/l	30		32		31	

Alkalinity - SM2320B	NA	mg/l	37		37		38	

Qualifiers

J - Estimated Value

U - Not detected at method detection limit.

Table 10. Treatability Laboratory Parameter Measurements and Results. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Residual Potassium Permanganate Measurements

	Hach Correction Factor (mg/l)	KMnO4 Concentration at Day 0 Sampling				KMnO4 Concentration at Day 3 Sampling				KMnO4 Concentration at Day 5 Sampling			
Sample Vessel		Direct Reading (mg/l)	Dilution	Result (mg/l) ⁽¹⁾	Theoretical C ₀ (mg/l)	Direct Reading (mg/l)	Dilution	Result (mg/l)	Calculated Demand (g/kg)	Direct Reading (mg/l)	Dilution	Result (mg/l) ⁽²⁾	Calculated Demand (g/kg)
1.5% Medium	0.94	2.05	200	222	156.0	1.41	105	49.35	0.654	2.68	100	174	-0.110
1.5% High	0.94	2.76	215	391.3	327.8	2.7	105	184.8	0.877	2.98	100	204	0.759
1.75% Medium	0.94	2.92	195	386.1	155.1	1.84	100	90	0.399	1.88	100	94	0.375
1.75% High	0.94	4.08	200	628	325.8	2.48	100	154	1.054	2.66	100	172	0.944
2.0% Medium	0.94	3.2	205	463.3	161.4	2.49	100	155	0.039	1.74	100	80	0.499
2.0% High	0.94	3.55	210	548.1	339.1	2.86	100	192	0.902	2.66	100	172	1.025

Notes

- 1 - Day 0 KMnO4 results skewed high due to suspended solids from initial mixing of vessel.
2 - Results high likely due to significantly larger vessel volume and significant supernatant volume.

Laboratory Parameter Measurements

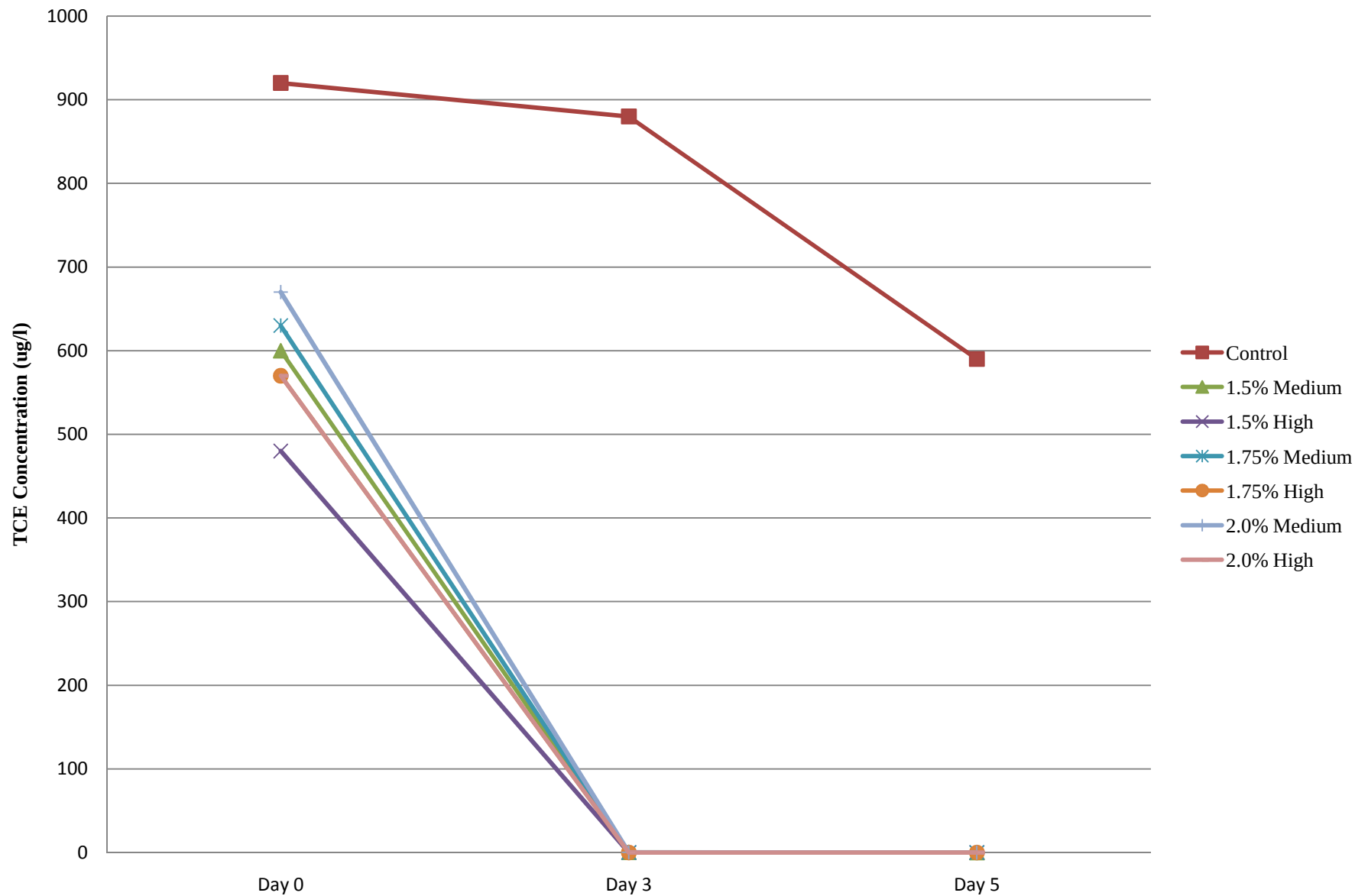
	Day 0 Laboratory Parameters				Day 3 Laboratory Parameters				Day 5 Laboratory Parameters			
Sample Vessel	pH (s.u.)	Cond (mS/cm)	DO (mg/l)	ORP (mV)	pH (s.u.)	Cond (mS/cm)	DO (mg/l)	ORP (mV)	pH (s.u.)	Cond (mS/cm)	DO (mg/l)	ORP (mV)
Control	6.15	0.273	7.50	268	6.2	0.286	8.57	227.4	6.02	0.273	4.65	173
1.5% Medium	6.84	0.330	6.36	466	6.12	0.296	9.25	425	5.84	0.190	5.19	502
1.5% High	7.10	0.410	7.35	516	6.08	0.339	9.09	490	5.82	0.277	5.32	568
1.75% Medium	6.20	0.377	8.13	509	6.1	0.306	7.16	415	5.79	0.239	5.43	553
1.75% High	5.88	0.397	8.51	539	6.19	0.337	7.63	475	5.75	0.313	6.90	582
2.0% Medium	6.35	0.403	9.74	455	6.13	0.312	8.07	415	5.69	0.200	3.54	590
2.0% High	6.12	0.417	9.52	495	6.0	0.352	8.75	465	5.71	0.165	4.55	602

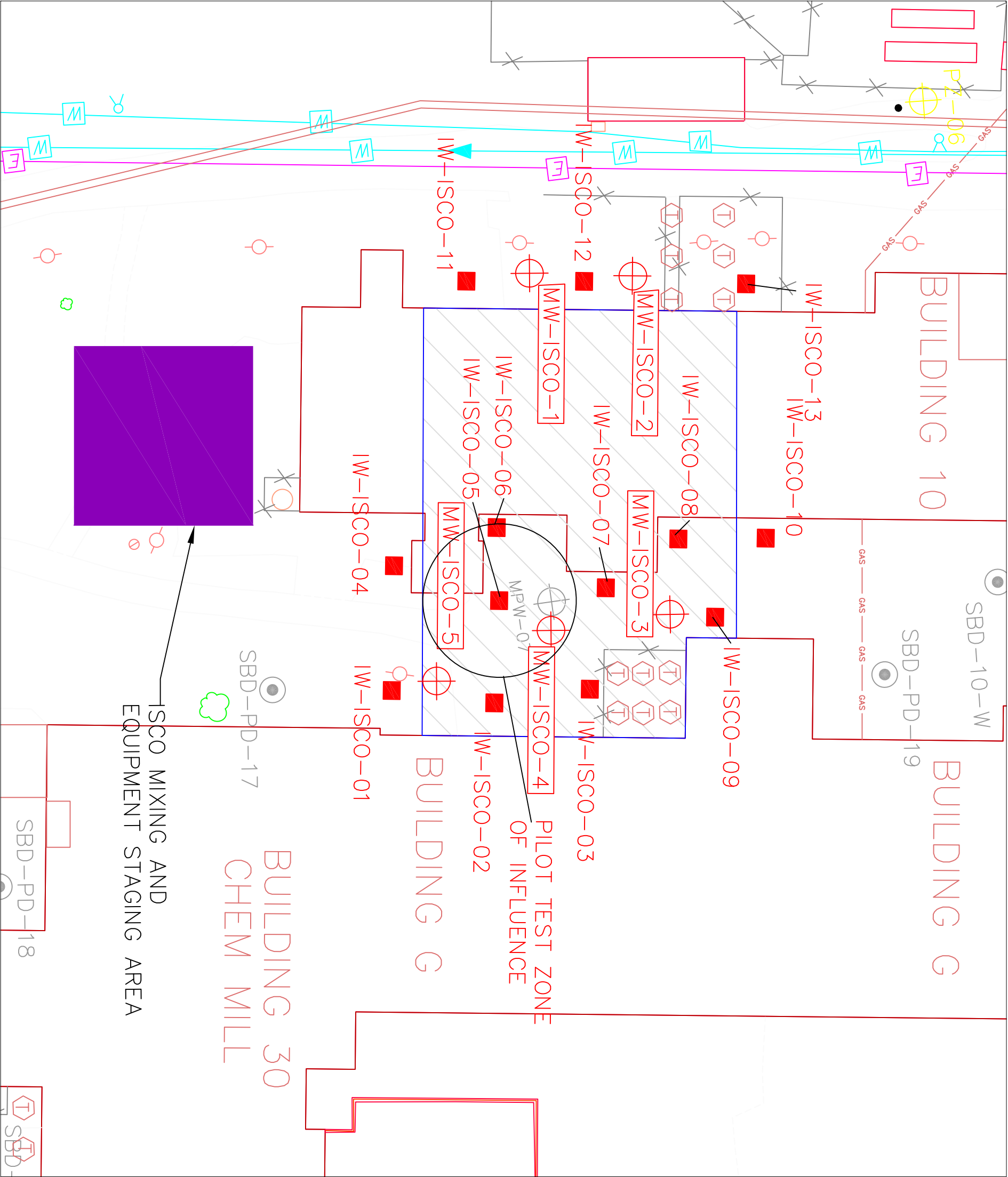
Table 11. Summary of ISCO Pilot Test Field and Analytical Monitoring. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Monitor Well Designation	Approximate Screened Interval (ft BGS)	Field Parameters During Injections						Lab Parameters - Pre and Post Pilot		
		pH	Color	Cond	ORP	Temp	DTW	TAL VOCs	TAL Metals	TOC, TDS, TSS Alkalinity, Sulfates, Chlorides
Within Treatment Area										
1 MW-ISCO-04	200 - 220	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 IW-ISCO-05	200 - 220							✓	✓	✓
2 IW-ISCO-06	200 - 220	✓	✓	✓	✓	✓	✓	✓	✓	✓
Downgradient of Treatment Area										
4 MW-ISCO-01	200 - 220	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sidegradient of Treatment Area										
7 MW-ISCO-05	200 - 220	✓	✓	✓	✓	✓	✓			
7 IW-ISCO-04	200 - 220	✓	✓	✓	✓	✓	✓			
6 IW-ISCO-07	200 - 220	✓	✓	✓	✓	✓	✓			

FIGURES
PILOT STUDY WORKPLAN
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

Figure 1 - TCE Concentrations vs. Time
Lawrence Aviation Superfund Site - Port Jefferson, New York





Title:

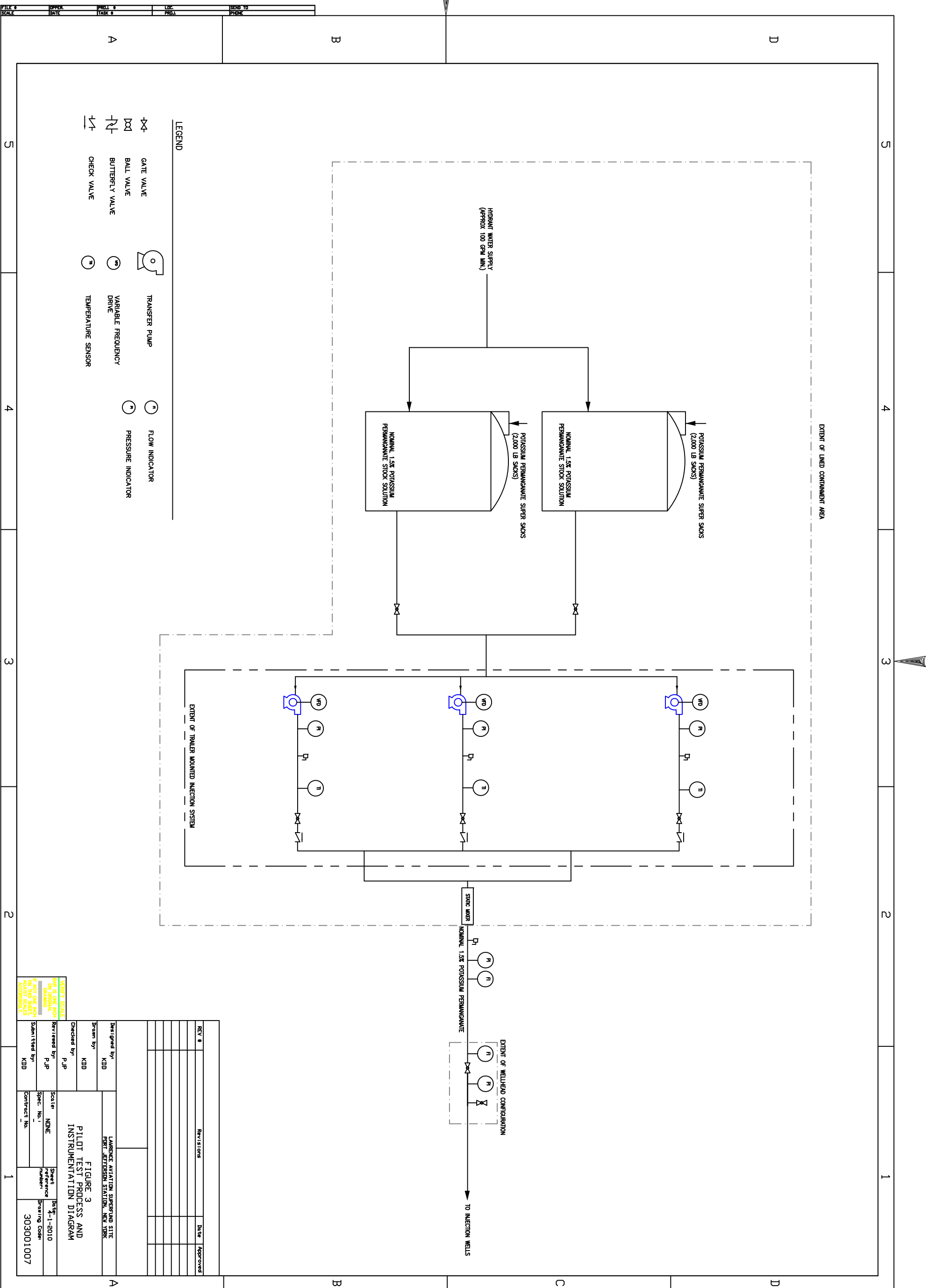
INSITU CHEMICAL
OXIDATION CONCEPTUAL
SITE PLAN

PORT JEFFERSON, NEW YORK

Prepared For:

ARROWHEAD CONTRACTING, INC.

PANTHER TECHNOLOGIES, INC.	Compiled by: K.D.D.	Date: 04/10	Figure 2
	Prepared by: K.D.D.	Scale: SHOWN	
	Project Mgr: K.D.D.	Revision: FINAL	
Proj No: J303001		File No:J303001008	



APPENDIX A
MW-ISCO-04 WELL PURGE RECORDS
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

Figure 2. Ground Water Sampling Log

Project LAI Site LAI Well No. AW1560 4 Date 3/5/10
 Well Depth 220' Screen Length 20' Well Diameter 2" Casing Type PVC
 Sampling Device PD pump Tubing type poly Water Level 190'
 Measuring Point top of riser Other Infor _____

Sampling Personnel CHAD GIVENS

Time	pH	Temp	Cond.	Dis.O ₂	Turb.	~~Conc~~ ^{OR}		Notes
10:50	6.0	9.47	.360	10.07	67.9			PTW 190'
11:00	5.98	9.61	.361	3.98	123	188		190' BGAS
11:10	5.97	9.77	.359	3.70	110	189		190' 1"
11:20	5.95	9.85	.358	3.88	113	191		190' 2"
11:30	5.92	10.17	.361	4.08	32	194		190' 2"
11:40	5.94	10.50	.359	4.09	32.8	195		190' 2"
11:50	5.92	11.24	.353	4.40	29.7	195		190' 2"
11:55	5.93	10.85	.357	4.47	31.7	195		190' 2"
12:00	5.92	10.69	.358	4.54	30.2	196		190' 2"
12:10	5.93	10.92	.353	4.90	27.5	195		190' 2"
12:20	5.89	11.24	.349	5.00	27.4	197		190' - 2"
→ Collect Sample								
17:30	5.79	9.07	.351	4.22	41.1			Total water removed
								15-Gals

Type of Samples Collected _____

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft: Vol_{cyl} = πr²h, Vol_{sphere} = 4/3π r³

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

Project _____ Site _____ Well No. _____ Date _____
Well Depth _____ Screen Length _____ Well Diameter _____ Casing Type _____
Sampling Device _____ Tubing type _____ Water Level _____
Measuring Point _____ Other Infor _____

Sampling Personnel _____

[illegible]

Type of Samples Collected

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

APPENDIX B
CARUS CHEMICAL COMPANY REPORT
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK



Carus Remediation Technologies
Remediation Report

3 March 2010

Customer: Panther Technologies, Inc.
220 Route 70 East, Suite B
Medford, NJ 08055

Cc: K. Frasco

Attention: K. Dyson

From: L. Mueller

TECH # 11197

Subject: RemOx[®] S ISCO Reagent Permanganate Natural Oxidant Demand

Summary

The overall average RemOx[®] S ISCO reagent permanganate natural oxidant demand (PNOD) for the three soil samples at 48 hours was determined to be 1.7 g/kg. The average demands ranged from 1.5 g/kg for MW 3-4-5 212-220 to 1.9 g/kg for MW 3-4-5 200-206. As specified in the ASTM D7262-07 method, these samples were sieved to remove rocks greater than 2 millimeters in diameter. These values are calculated on a weight as potassium permanganate (KMnO₄) per dry weight of soil.

Background

Three soil samples and one groundwater sample were received from Panther Technologies from the Lawrence Aviation SPFD Site located in Port Jefferson, NY on February 24, 2010. The soil sample designations were MW 3-4-5 200-206, MW 3-4-5 206-212 and MW 3-4-5 212-220. The samples were analyzed for permanganate natural oxidant demand following ASTM D7262-07 Test Method A. At the request of the client the permanganate dosing solution was prepared using the groundwater that was provided. The measurement of the permanganate natural oxidant demand is used to estimate the concentration of permanganate that will be consumed by the natural reducing agents during a given time period of 48 hours.

Experimental

The samples were analyzed for permanganate natural oxidant demand following ASTM D7262-07 Test Method A. A brief summary is as follows:

To determine the PNOD, the soil was baked at 105°C for 24 hours then allowed to cool to room temperature. The soil was then blended and passed through a U.S. 10 sieve (2 mm). For each sample, reactors were loaded with 50 grams of soil. A 20.0 g/L KMnO₄ dose solution was prepared using RemOx S and the site groundwater and mixed until completely dissolved. Approximately 100 mL of 20.0 g/L KMnO₄ in site water solution was added to each 50 gram soil reactor for an initial dose of 40.0 g/kg KMnO₄ on a dry soil weight basis at a 1:2 soil to aqueous reagent ratio. Each soil dose was performed in triplicate. The reaction vessels were inverted once to mix the reagents. Residual permanganate (MnO₄⁻) was determined at 48 hours. The demands were calculated on a dry weight basis.

Results

The permanganate demand is the amount of permanganate consumed in a given amount of time. It should be noted that in a soil or groundwater sample, the oxidation of any compound by permanganate is dependent on the initial dose of permanganate and the reaction time available. As the permanganate dose is increased, the reaction rate and oxidant consumption may also increase. Some compounds that are not typically oxidized by permanganate under low doses can become reactive with permanganate at higher concentrations.

The 48-hour PNOD results can be seen in Table 1 (on a dry soil basis).

Table 1: 48-Hour PNOD *

Soil Sample Identification	Average and Standard Deviation (g/kg)	Replicate 1 (g/kg)	Replicate 2 (g/kg)	Replicate 3 (g/kg)
MW 3-4-5 200-206	1.9 ± 0.0	1.9	1.9	1.9
MW 3-4-5 206-212	1.6 ± 0.1	1.6	1.5	1.6
MW 3-4-5 212-220	1.5 ± 0.4	1.5	1.9	1.1
Overall Average	1.7			

*Demands were calculated on a weight KMnO₄/dry soil weight basis from an initial dose of 40.0 g/kg KMnO₄ initial dose at a 1:2 soil to aqueous solution ratio.

Conclusions

For this application the amount of permanganate needed will be dependent on the reaction time allowed. On average, the samples had a 48-hour permanganate natural oxidant demand value of 1.7 g/kg. Generally, remediation sites with a soil demand of less than 20.0 g/kg at 48 hours are favorable for *in situ* chemical oxidation with permanganate (see Table 3 for additional information). A pilot study or good characterization is generally recommended to confirm laboratory results and determine the parameters for a full-scale trial.

Table 3: Correlation of Permanganate Natural Oxidant Demand Results*

PNOD (g/kg)	Rank	Comment
<10	Low	ISCO with MnO ₄ ⁻ is recommended. Soil contribution to MnO ₄ ⁻ demand is low.
10-20	Moderate	ISCO with MnO ₄ ⁻ is recommended. Soil contribution to MnO ₄ ⁻ demand is moderate. Economics should be considered.
>20	High	ISCO with MnO ₄ ⁻ is technically feasible. Other technologies may provide lower cost alternatives.

*Dry Weight Basis

RemOx[®] ISCO reagent is a registered trademark of Carus Corporation

APPENDIX C
LABORATORY ANALYTICAL DATA PACKAGES
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

TestAmerica
South Burlington, VT
Extended Data Package

136246

TestAmerica Laboratories, Inc.

April 2, 2010

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

Re: Laboratory Project No. 29000
Case: LASS; SDG: 136246

Dear Mr. Dyson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on March 6th, 2010. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 03/06/10 ETR No: 136246			
821987	MW-04	03/05/10	WATER
821988	MW-04	03/05/10	WATER
821989	MW-04	03/05/10	WATER
821990	MW-04	03/05/10	WATER
821991	MW-04	03/05/10	WATER
821992	MW-04	03/05/10	WATER
821999	VHBLK01	03/08/10	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 MW-04, and that analysis gave no indication of a matrix interference specific to the elements under evaluation. Trace levels specific to iron and thallium, and a negative offset specific to zinc were identified in the analysis

of the method blanks associated with the analytical work. The trace levels and 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. It should be noted that the storage blank was generated and placed in storage with the sample on March 8th at 1045. The sample was placed in storage on March 6th at approximately 1610. That storage blank, identified as VHBLK01, was carried through the remainder of the holding period and analyzed with the sample.

Sample MW-04 was analyzed at a dilution, based on the results of preliminary screening. An additional, more concentrated analysis was performed on that sample in order to provide for a lower reporting limit for those target analytes that were not identified in the primary analysis. Both sets of results for the analysis of sample MW-04 are included in this submittal.

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 field sample did yield acceptable recovery of each deuterated monitoring compound. Matrix spike and matrix spike duplicate analyses were not performed on samples in this sample set. Trace levels specific to acetone, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene were identified in the analysis of the method blank associated with analytical work and the trace levels and offset were within the method prescribed tolerances. The analysis of the storage blank associated with this sample set was free of analyte contamination. Chloromethane and trichloroethane were identified in the analysis of the instrument blank that was analyzed after the more concentrated analysis of sample MW-04. The concentration of Chloromethane and trichloroethane in that analysis, identified as VIBLKNJ, were below the established reporting limit. Present in the method blank, instrument 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-d₆, 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.

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,

A handwritten signature in black ink, appearing to read "Sara Goff", with a stylized flourish at the end.

Sara Goff
Project Manager

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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

Report to: Company: <u>Pathner Technologies, Inc</u> Address: <u>220 Route To East, Ste B</u> <u>Medford, NJ 08055</u> Contact: <u>K. Dyson</u> Phone: <u>609-714-2420</u> Fax: <u>609-714-2495</u> Contract/Quote: _____		Invoice to: Company: <u>SAME</u> Address: _____ Contact: _____ Phone: _____ Fax: _____		Lab Use Only Due Date: _____ Temp. of coolers when received (C°): <u>3.7</u> Custody Seal Intact: <u>N</u> Screened For Radioactivity: ☐	
Project Name <u>LAWRENCE AVIATION SPEED SITE</u>		Project No. <u>J303001</u>		Project Name <u>LAWRENCE AVIATION SPEED SITE</u>	
Identifying Marks of Sample(s) <u>W 315101230</u> <u>1235'</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Matrix <u>W</u> <u>1235'</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Date <u>3/5/10</u> <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>	
Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>	
Container <u>W</u> <u>1235'</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Container <u>W</u> <u>1235'</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Container <u>W</u> <u>1235'</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>	
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Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>	
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Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>	
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Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>		Time <u>1235</u> <u>1220</u> <u>1235</u> <u>1240</u> <u>1245</u>	
Container <u>W</u> <u>12</u>					



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: 136246
SOW No.: _____
EPA Sample No. Lab Sample ID
MW-04 821989

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

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: _____

COVER PAGE

ILM05.4

USEPA-CLP FORMS
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246

Matrix (soil/water): WATER Lab Sample ID: 821989

Level (low/med): LOW Date Received: 03/06/2010

% 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
7440-36-0	Antimony	60.0	U		P
7429-90-5	Aluminum	15800			P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	44.1	J		P
7440-41-7	Beryllium	2.2	J		P
7440-70-2	Calcium	16400			P
7440-43-9	Cadmium	1.1	J		P
7440-48-4	Cobalt	43.9	J		P
7440-47-3	Chromium	11.0			P
7440-50-8	Copper	3.8	J		P
7439-89-6	Iron	186			P
7439-95-4	Magnesium	7000			P
7439-97-6	Mercury	0.20	U		CV
7439-96-5	Manganese	1120			P
7440-23-5	Sodium	26300			P
7440-02-0	Nickel	236			P
7439-92-1	Lead	5.2	J		P
7440-09-7	Potassium	12500			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	3.8	J		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	45.8	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: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	2.81	94	5.0	5.10	102	4.85	97	CV

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.09	102			CV

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	505.50	101	100.0	98.15	98	97.64	98	P
Antimony	250.0	259.90	104	300.0	301.00	100	303.40	101	P
Barium	500.0	506.10	101	200.0	193.70	97	194.80	97	P
Beryllium	500.0	519.20	104	100.0	98.94	99	98.42	98	P
Calcium	25000.0	26220.00	105	30200.0	29230.00	97	29160.00	97	P
Cadmium	500.0	510.20	102	100.0	100.40	100	101.30	101	P
Cobalt	500.0	499.00	100	200.0	192.50	96	193.30	97	P
Chromium	500.0	504.60	101	200.0	193.70	97	193.70	97	P
Copper	500.0	512.90	103	200.0	195.10	98	196.00	98	P
Iron	25500.0	26870.00	105	30200.0	29300.00	97	29230.00	97	P
Magnesium	25000.0	25930.00	104	30200.0	29520.00	98	29280.00	97	P
Manganese	500.0	493.10	99	200.0	189.00	94	189.30	95	P
Sodium	25000.0	26250.00	105	30200.0	29610.00	98	29630.00	98	P
Nickel	500.0	491.90	98	200.0	190.20	95	188.90	94	P
Lead	1000.0	1005.00	100	400.0	386.90	97	388.80	97	P
Potassium	25000.0	26750.00	107	30200.0	29290.00	97	29540.00	98	P
Selenium	250.0	254.20	102	100.0	102.30	102	103.80	104	P
Thallium	250.0	249.20	100	100.0	101.10	101	104.00	104	P
Vanadium	500.0	529.80	106	200.0	199.10	100	202.20	101	P
Zinc	500.0	523.50	105	200.0	200.50	100	200.80	100	P

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	26000.0	27420.00	105	30200.0	30180.00	100	30530.00	101	P
Arsenic	250.0	269.80	108	100.0	108.40	108	108.00	108	P

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS
2B-IN
CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG No.: 136246
 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	0.22	110	0.25	125

(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.: 136246
 CRQL Check Standard Source: Inorganic Ventu

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial		%R (1)	Final	
	True	Found*		Found*	%R (1)
Silver	10.0	9.51 J	95	7.24 J	72
Antimony	60.0	60.25	100	60.95	102
Barium	200.0	194.50 J	97	192.30 J	96
Beryllium	5.0	5.05	101	4.63 J	93
Calcium	5000.0	5381.00	108	5424.00	108
Cadmium	5.0	5.17	103	5.37	107
Cobalt	50.0	49.09 J	98	49.55 J	99
Chromium	10.0	10.67	107	10.27	103
Copper	25.0	26.48	106	24.91 J	100
Iron	100.0	103.60	104	125.10	125
Magnesium	5000.0	5349.00	107	5284.00	106
Manganese	15.0	15.00	100	14.96 J	100
Sodium	5000.0	5384.00	108	5375.00	108
Nickel	40.0	37.80 J	94	40.89	102
Lead	10.0	12.28	123	12.00	120
Potassium	5000.0	5293.00	106	5563.00	111
Selenium	35.0	33.91 J	97	33.49 J	96
Thallium	25.0	25.56	102	25.76	103
Vanadium	50.0	48.63 J	97	49.99 J	100
Zinc	60.0	60.55	101	59.60 J	99

(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.: 136246

CRQL Check Standard Source: Inorganic Ventu

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Aluminum	200.0	163.00 J	82	242.10	121
Arsenic	10.0	12.26	123	7.77 J	78

(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
BLANKSLab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 136246Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Mercury	0.200	U	0.200	U	-0.043	J	0.200	U	0.200	U	CV

USEPA-CLP FORMS

3-IN
BLANKSLab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Silver	10.000	U	10.000	U	10.000	U			10.000	U	P
Antimony	5.442	J	6.273	J	60.000	U			60.000	U	P
Barium	200.000	U	200.000	U	4.785	J			200.000	U	P
Beryllium	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	P
Cadmium	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	P
Chromium	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	P
Iron	100.000	U	29.720	J	17.300	J			22.730	J	P
Magnesium	5000.000	U	5000.000	U	5000.000	U			5000.000	U	P
Manganese	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	P
Nickel	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	P
Potassium	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	P
Thallium	25.000	U	25.000	U	25.000	U			4.284	J	P
Vanadium	50.000	U	50.000	U	50.000	U			50.000	U	P
Zinc	60.000	U	-0.513	J	-0.542	J			-0.680	J	P

USEPA-CLP FORMS

3-IN BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 136246

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	200.000	U	200.000	U	200.000	U			200.000	U	P
Arsenic	10.000	U	7.149	J	10.000	U			10.000	U	P

USEPA-CLP FORMS

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246ICP-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	-0.64		203	102	-0.87		202	101
Antimony	0	600	-3.1		610	102	-0.26		623	104
Barium	0	500	-1.8		483	97	6.3		482	96
Beryllium	0	500	-0.32		504	101	-0.26		504	101
Calcium	250000	250000	251000	100	249000	100	249000	100	249000	100
Cadmium	0	1000	1.3		1010	101	1.9		1020	102
Cobalt	0	500	0.37		480	96	1.7		487	97
Chromium	0	500	0.16		487	97	-0.0053		488	98
Copper	0	500	-1.0		529	106	-0.27		531	106
Iron	100000	100000	101000	101	100000	100	99900	100	99900	100
Magnesium	250000	250000	247000	99	246000	98	245000	98	245000	98
Manganese	0	500	-2.1		479	96	-2.1		480	96
Sodium	0	0	58.0		3.2		62.6		-2.3	
Nickel	0	1000	-4.3		944	94	-4.2		951	95
Lead	0	50	-1.2		48.9	98	-1.5		46.6	93
Potassium	0	0	-190		-163		46.7		-22.7	
Selenium	0	50	-6.1		44.3	89	-3.4		47.8	96
Thallium	0	100	2.3		106	106	8.8		103	103
Vanadium	0	500	-4.1		504	101	-4.4		506	101
Zinc	0	1000	-5.2		1010	101	-5.3		1010	101

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.: 136246

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
Aluminum	250000	250000	257000	103	257000	103	260000	104	259000	104
Arsenic	0	100	-1.9		109	109	0.46		109	109

USEPA-CLP FORMS

7 - IN
LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: LASS NRAS No: SDG NO.: 136246
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					

USEPA-CLP FORMS

7-IN
LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No: _____ SDG NO.: 136246

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	458.20	92						
Aluminum	51000.0	48270.00	95						
Antimony	2000.0	1825.00	91						
Arsenic	1050.0	1112.00	106						
Barium	500.0	453.60	91						
Beryllium	500.0	470.80	94						
Calcium	50000.0	46180.00	92						
Cadmium	525.0	492.70	94						
Cobalt	500.0	454.50	91						
Chromium	500.0	455.10	91						
Copper	500.0	471.20	94						
Iron	50500.0	46210.00	92						
Magnesium	50000.0	45130.00	90						
Manganese	500.0	442.80	89						
Sodium	50000.0	45590.00	91						
Nickel	500.0	443.50	89						
Lead	1015.0	919.40	91						
Potassium	50000.0	47350.00	95						
Selenium	525.0	525.20	100						
Thallium	550.0	551.80	100						
Vanadium	500.0	485.40	97						
Zinc	500.0	476.80	95						

USEPA-CLP FORMS

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MW-04L

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: LASS

NRAS No.: _____

SDG NO.: 136246Matrix (soil/water): WATERLevel (low/med): LOWConcentration Units: ug/L

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Difference	Q	M
	C			C					
Silver	10.00	U		50.00	U				P
Antimony	60.00	U		300.00	U				P
Aluminum	15770.00			15635.00			1		P
Arsenic	50.00	U		50.00	U				P
Barium	44.07	J		1000.00	U		100		P
Beryllium	2.18	J		25.00	U		100		P
Calcium	16410.00			16300.00	J		1		P
Cadmium	1.10	J		25.00	U		100		P
Cobalt	43.91	J		46.17	J		5		P
Chromium	11.03			14.84	J		35		P
Copper	3.76	J		125.00	U		100		P
Iron	186.20			246.80	J		33		P
Magnesium	6996.00			7230.00	J		3		P
Manganese	1116.00			1120.50			0		P
Sodium	26300.00			27205.00			3		P
Nickel	236.40			245.60			4		P
Lead	5.19	J		50.00	U		100		P
Potassium	12490.00			13680.00	J		10		P
Selenium	35.00	U		175.00	U				P
Thallium	3.75	J		9.20	J		145		P
Vanadium	50.00	U		250.00	U				P
Zinc	45.76	J		47.40	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.: 136246

Instrument Type: CV Instrument ID: LEEMAN HYDRA AA (2) Date: 12/17/2008

Preparation Method: CW1

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

Analyte	Wavelength /Mass	CRQL	MDL
Mercury	253.70	0.2	0.011

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLV Case No.: LASS NRAS No.: SDG No.: 136246Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/22/2009Preparation Method: NP1Concentration 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: 29000Lab Code: STLV Case No.: LASS NRAS No.: SDG No.: 136246Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/30/2009Preparation Method: HW1Concentration 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.: 136246
 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 BurlingtonContract: 29000Lab Code: STLVT Case No.: LASSNRAS No.: _____ SDG NO.: 136246ICP-AES Instrument ID: TJA ICAP 7Date: 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 BurlingtonContract: 29000Lab Code: STLVT Case No.: LASS

NRAS No.: _____

SDG NO.: 136246ICP-AES Instrument ID: TJA ICAP 7Date: 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 BurlingtonContract: 29000Lab Code: STLVT Case No.: LASSNRAS No.: _____ SDG NO.: 136246ICP-AES Instrument ID: TJA ICAP 7Date: 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 BurlingtonContract: 29000Lab Code: STLVT Case No.: LASSNRAS No.: _____ SDG NO.: 136246ICP-AES Instrument ID: TJA ICAP 7Date: 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: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246ICP Instrument ID: TJA ICAP 7 Date: 01/02/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Aluminum	60.00	600000.0	P
Antimony	20.00	10000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Beryllium	20.00	10000.0	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	10000.0	P
Iron	20.00	300000.0	P
Magnesium	20.00	600000.0	P
Manganese	20.00	10000.0	P
Sodium	20.00	100000.0	P
Nickel	20.00	10000.0	P
Lead	20.00	4000.0	P
Potassium	20.00	100000.0	P
Selenium	20.00	2000.0	P
Thallium	20.00	5000.0	P
Vanadium	20.00	10000.0	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: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136246Preparation Method: CW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW031510A	03/15/2010		50
LCSW031510A	03/15/2010		50
MW-04	03/15/2010		50

Comments: _____

USEPA-CLP FORMS

12-IN

PREPARATION LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: LASS

NRAS No.: _____

SDG NO.: 136246Preparation Method: HW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW031210B	03/12/2010		100
LCSW031210B	03/12/2010		100
MW-04	03/12/2010		100

Comments: _____

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: LASS

NRAS No.: _____

SDG No.: 136246Instrument ID: TJA ICAP 7Analysis Method: PStart Date: 03/15/2010End Date: 03/15/2010

EPA Sample NO.	D/F	Time	Analytes																											
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N	C N				
S0	1.0	1658	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X						
STD7	1.0	1702						X				X	X				X			X										
STD8	1.0	1706	X										X						X			X								
STD4	1.0	1710				X	X	X		X	X	X				X	X		X				X	X						
ICV	1.0	1714	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
ICB	1.0	1718	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
CRI	1.0	1721	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
ICSA	1.0	1725	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
ICSAB	1.0	1729	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
CCV	1.0	1733	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
CCB	1.0	1737	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
PBW031210B	1.0	1740	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
LCSW031210B	1.0	1744	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
MW-04	1.0	1748	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
MW-04L	5.0	1751	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
CRI	1.0	1755	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
ICSA	1.0	1759	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
ICSAB	1.0	1803	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
CCV	1.0	1806	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X					
CCB	1.0	1810	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 BurlingtonContract: 29000Lab Code: STLVTCase No.: LASS

NRAS No.: _____

SDG No.: 136246Instrument ID: Leeman Hydra AA (2)Analysis Method: CVStart Date: 03/15/2010End Date: 03/15/2010

EPA Sample NO.	D/F	Time	Analytes																											
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
S0	1.0	1417															X													
S0.2	1.0	1419															X													
S0.5	1.0	1421															X													
S1	1.0	1423															X													
S5	1.0	1425															X													
S10	1.0	1428															X													
ICV	1.0	1429															X													
ICB	1.0	1433															X													
CRI	1.0	1434															X													
CCV	1.0	1436															X													
CCB	1.0	1439															X													
PBW031510A	1.0	1441															X													
LCSW031510A	1.0	1443															X													
MW-04	1.0	1445															X													
ZZZZZZ	1.0	1447																												
ZZZZZZ	1.0	1449																												
ZZZZZZ	1.0	1451																												
ZZZZZZ	1.0	1453																												
ZZZZZZ	1.0	1455																												
ZZZZZZ	1.0	1457																												
CCV	1.0	1500															X													
CCB	1.0	1502															X													
ZZZZZZ	1.0	1504																												
ZZZZZZ	1.0	1507																												
ZZZZZZ	1.0	1509																												
ZZZZZZ	1.0	1511																												
ZZZZZZ	1.0	1513																												
ZZZZZZ	1.0	1515																												
ZZZZZZ	1.0	1517																												
ZZZZZZ	1.0	1519																												
CRI	1.0	1521															X													
CCV	1.0	1523															X													
CCB	1.0	1525															X													

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: LASS

NRAS No.: _____

SDG No.: 136246Instrument ID: TJA ICAP 7Analysis Method: PStart Date: 03/16/2010End Date: 03/16/2010

EPA Sample NO.	D/F	Time	Analytes																										
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N	C N			
S0	1.0	0946	X		X																								
STD7	1.0	0950	X																										
STD8	1.0	0954			X																								
STD4	1.0	0958																											
ICV	1.0	1002	X		X																								
ICB	1.0	1006	X		X																								
CRI	1.0	1010	X		X																								
ICSA	1.0	1014	X		X																								
ICSAB	1.0	1018	X		X																								
CCV	1.0	1021	X		X																								
CCB	1.0	1025	X		X																								
PBW031210B	1.0	1029	X		X																								
LCSW031210B	1.0	1033	X		X																								
MW-04	1.0	1037	X		X																								
MW-04L	1.0	1041	X		X																								
CRI	1.0	1044	X		X																								
ICSA	1.0	1048	X		X																								
ICSAB	1.0	1052	X		X																								
CCV	1.0	1056	X		X																								
CCB	1.0	1100	X		X																								



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 3/15/2010

Reviewed by: *[Signature]*

Date: 3/15/10

QC Review by: *[Signature]*

Date: 03/16/10

TJA ICAP 7

ICP Metals ILM05. *14**

QC use: Cal#:

Prep#

Inst#:

Seq Sample ID	Analysis		DF	Matrix	Data File	Prep Batch	Analyst Comments
	Date	Time					
1. S0	3/15/2010	16:58:54	1	WATER	031510-03.txt		<i>[Handwritten list of elements: Ag, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn]</i>
2. STD7	3/15/2010	17:02:42	1	WATER	031510-03.txt		
3. STD8	3/15/2010	17:06:30	1	WATER	031510-03.txt		
4. STD4	3/15/2010	17:10:22	1	WATER	031510-03.txt		
5. ICV1	3/15/2010	17:14:12	1	WATER	031510-03.txt		
6. ICB1	3/15/2010	17:18:00	1	WATER	031510-03.txt		
7. CRI1	3/15/2010	17:21:50	1	WATER	031510-03.txt		
8. ICSA1	3/15/2010	17:25:38	1	WATER	031510-03.txt		
9. ICSAB1	3/15/2010	17:29:27	1	WATER	031510-03.txt		
10. CCV1	3/15/2010	17:33:13	1	WATER	031510-03.txt		
11. CCB1	3/15/2010	17:37:00	1	WATER	031510-03.txt		
12. PBW031210B	3/15/2010	17:40:50	1	WATER	031510-03.txt	PBICPW0312	
13. LCSW031210B	3/15/2010	17:44:36	1	WATER	031510-03.txt	PBICPW0312	
14. 821989	3/15/2010	17:48:07	1	WATER	031510-03.txt	PBICPW0312	
15. 821989LX5	3/15/2010	17:51:46	1	WATER	031510-03.txt		
16. CRI2	3/15/2010	17:55:30	1	WATER	031510-03.txt		
17. ICSA2	3/15/2010	17:59:18	1	WATER	031510-03.txt		
18. ICSAB2	3/15/2010	18:03:06	1	WATER	031510-03.txt		
19. CCV2	3/15/2010	18:06:54	1	WATER	031510-03.txt		
20. CCB2	3/15/2010	18:10:40	1	WATER	031510-03.txt		

* BAA031410

Analytical Review Report

Data File: 031510-03.txt

Date Printed: 3/15/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.001	0.000	0.000	98.62	0.001				
STD4	1		2.762	0.000	0.000	0.43	2.8				
ICV1	1	PASS	505.500	506.500	504.500	0.28	505.50	101.0	500.0	90	110
ICB1	1	PASS	-0.282	0.756	-1.321	520.10	-0.282				+/-10.00
CRI1	1	PASS	9.514	9.341	9.687	2.57	9.51	95.0	10.0	70	130
ICSA1	1	FAIL	-0.638	-0.001	-1.276	141.30	-0.64				0
ICSAB1	1	PASS	202.700	202.000	203.500	0.52	203	102.0	200	80	120
CCV1	1	PASS	98.150	98.190	98.100	0.07	98.15	98.0	100.0	90	110
CCB1	1	PASS	0.237	0.494	-0.020	153.10	0.237				+/-10.00
CRI2	1	PASS	7.235	6.579	7.892	12.83	7.24	72.0	10.0	70	130
ICSA2	1	FAIL	-0.871	-1.533	-0.209	107.50	-0.87				0
ICSAB2	1	PASS	201.600	201.100	202.000	0.31	202	101.0	200	80	120
CCV2	1	PASS	97.640	98.080	97.200	0.64	97.64	98.0	100.0	90	110
CCB2	1	PASS	-0.461	0.463	-1.385	283.20	-0.461				+/-10.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-0.510	-0.777	-0.242	74.19	-0.510				+/-10.00
LCSW031210B	1	PASS	458.200	458.300	458.200	0.02	458.20	92.0	500.0	80.0	120.0
821989	1	PASS	0.994	0.496	1.492	70.83	0.99				
821989LX5	1	PASS	0.252	0.964	-0.461	400.10	0.25				

Analytical Review Report

Data File: 031510-03.txt

Date Printed: 3/15/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 3/15/2010
Analysis End Date: 3/15/2010

Start Time: 16:58:5
End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.000	0.000	0.000	97.06	-0.000				
STD4	1		0.084	0.000	0.000	0.23	0.084				
ICV1	1	PASS	506.100	505.700	506.600	0.13	506.10	101.0	500.0	90	110
ICB1	1	PASS	2.021	-4.001	8.044	421.40	2.021				+/-200.00
CRI1	1	PASS	194.500	190.000	198.900	3.23	194.50	97.0	200.0	70	130
ICSA1	1	FAIL	-1.847	3.043	-6.736	374.50	-1.8				0
ICSAB1	1	PASS	482.700	484.900	480.600	0.62	483	97.0	500	80	120
CCV1	1	PASS	193.700	196.700	190.800	2.15	193.70	97.0	200.0	90	110
CCB1	1	PASS	1.653	2.748	0.558	93.67	1.653				+/-200.00
CRI2	1	PASS	192.300	182.300	202.200	7.30	192.30	96.0	200.0	70	130
ICSA2	1	FAIL	6.349	6.662	6.037	6.95	6.3				0
ICSAB2	1	PASS	481.600	467.100	496.200	4.27	482	96.0	500	80	120
CCV2	1	PASS	194.800	195.300	194.300	0.37	194.80	97.0	200.0	90	110
CCB2	1	PASS	4.785	13.560	-3.995	259.50	4.785				+/-200.00
Quality Control and Field Samples											
PBW031210B	1	PASS	3.750	-0.256	7.756	151.10	3.750				+/-200.00
LCSW031210B	1	PASS	453.600	454.400	452.700	0.28	453.60	91.0	500.0	80.0	120.0
821989	1	PASS	44.070	33.570	54.570	33.69	44.1				
821989LX5	1	PASS	7.912	4.056	11.770	68.93	7.9				

Analytical Review Report

Data File: 031510-03.txt

Date Printed: 3/15/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.000	0.000	0.000	274.70	-0.000				
STD4	1		2.969	0.000	0.000	0.05	3.0				
ICV1	1	PASS	519.200	520.300	518.200	0.29	519.20	104.0	500.0	90	110
ICB1	1	PASS	-0.134	-0.157	-0.112	24.07	-0.135				+/-5.00
CRI1	1	PASS	5.046	5.294	4.799	6.94	5.05	101.0	5.0	70	130
ICSA1	1	FAIL	-0.317	-0.292	-0.342	10.98	-0.32				0
ICSAB1	1	PASS	503.700	500.600	506.900	0.89	504	101.0	500	80	120
CCV1	1	PASS	98.940	99.110	98.770	0.24	98.94	99.0	100.0	90	110
CCB1	1	PASS	-0.112	-0.044	-0.180	86.19	-0.112				+/-5.00
CRI2	1	PASS	4.628	4.677	4.579	1.49	4.63	93.0	5.0	70	130
ICSA2	1	FAIL	-0.264	-0.115	-0.413	79.93	-0.26				0
ICSAB2	1	PASS	503.600	504.800	502.500	0.33	504	101.0	500	80	120
CCV2	1	PASS	98.420	98.420	98.420	0.00	98.42	98.0	100.0	90	110
CCB2	1	PASS	-0.024	-0.128	0.080	617.40	-0.024				+/-5.00
Quality Control and Field Samples											
PBW031210B	1	PASS	0.003	0.058	-0.052	2739.00	0.003				+/-5.00
LCSW031210B	1	PASS	470.800	470.600	470.900	0.04	470.80	94.0	500.0	80.0	120.0
821989	1	PASS	2.181	2.182	2.180	0.08	2.2				
821989LX5	1	PASS	0.252	0.081	0.423	95.97	0.25				

TestAmerica Burlington**Ca-HL****Analytical Review Report**

Data File: 031510-03.txt

Date Printed: 3/15/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.000	0.000	0.000	244.00	-0.000				
STD7	1		0.933	0.000	0.000	0.42	0.93				
ICV1	1	PASS	26220.000	26350.000	26090.000	0.69	26220.00	105.0	25000.0	90	110
ICB1	1	PASS	-41.650	-19.750	-63.550	74.37	-41.650				+/-5000.00
CRI1	1	PASS	5381.000	5390.000	5372.000	0.24	5381.00	108.0	5000.0	70	130
ICSA1	1	PASS	251100.000	252400.000	249800.000	0.74	251000	100.0	250000	80	120
ICSAB1	1	PASS	249100.000	247900.000	250400.000	0.70	249000	100.0	250000	80	120
CCV1	1	PASS	29230.000	29310.000	29150.000	0.38	29230.00	97.0	30200.0	90	110
CCB1	1	PASS	49.150	93.520	4.784	127.70	49.150				+/-5000.00
CRI2	1	PASS	5424.000	5446.000	5402.000	0.58	5424.00	108.0	5000.0	70	130
ICSA2	1	PASS	249200.000	249900.000	248500.000	0.41	249000	100.0	250000	80	120
ICSAB2	1	PASS	249100.000	249200.000	249000.000	0.05	249000	100.0	250000	80	120
CCV2	1	PASS	29160.000	29070.000	29260.000	0.46	29160.00	97.0	30200.0	90	110
CCB2	1	PASS	85.390	54.960	115.800	50.40	85.390				+/-5000.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-30.960	-67.290	5.370	166.00	-30.960				+/-5000.00
LCSW031210B	1	PASS	46180.000	46110.000	46250.000	0.21	46180.00	92.0	50000.0	80.0	120.0
821989	1	PASS	16410.000	16450.000	16370.000	0.34	16400				
821989LX5	1	PASS	3260.000	3269.000	3251.000	0.41	3260				

Analytical Review Report

Data File: 031510-03.txt

Date Printed: 3/15/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Start Time: 16:58:5

Analysis End Date: 3/15/2010

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.011	0.000	0.000	1.37	-0.011				
STD4	1		1.232	0.000	0.000	0.13	1.2				
ICV1	1	PASS	510.200	509.500	510.900	0.19	510.20	102.0	500.0	90	110
ICB1	1	PASS	0.384	0.684	0.084	110.30	0.384				+/-5.00
CRI1	1	PASS	5.165	5.202	5.129	1.00	5.17	103.0	5.0	70	130
ICSA1	1	FAIL	1.300	1.337	1.262	4.05	1.3				0
ICSAB1	1	PASS	1013.000	1014.000	1011.000	0.20	1010	101.0	1000	80	120
CCV1	1	PASS	100.400	101.000	99.810	0.85	100.40	100.0	100.0	90	110
CCB1	1	PASS	0.444	0.614	0.274	54.06	0.444				+/-5.00
CRI2	1	PASS	5.368	5.282	5.453	2.25	5.37	107.0	5.0	70	130
ICSA2	1	FAIL	1.893	1.941	1.845	3.61	1.9				0
ICSAB2	1	PASS	1023.000	1022.000	1023.000	0.08	1020	102.0	1000	80	120
CCV2	1	PASS	101.300	101.300	101.300	0.03	101.30	101.0	100.0	90	110
CCB2	1	PASS	-0.074	-0.252	0.104	340.70	-0.074				+/-5.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-0.054	0.164	-0.272	572.70	-0.054				+/-5.00
LCSW031210B	1	PASS	492.700	492.300	493.100	0.11	492.70	94.0	525.0	80.0	120.0
821989	1	PASS	1.102	0.974	1.230	16.40	1.1				
821989LX5	1	PASS	0.412	0.052	0.772	123.60	0.41				

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Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

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Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.013	0.000	0.000	7.44	-0.013				
STD4	1		1.286	0.000	0.000	0.47	1.3				
ICV1	1	PASS	499.000	498.600	499.400	0.11	499.00	100.0	500.0	90	110
ICB1	1	PASS	0.778	0.228	1.328	99.95	0.778				+/-50.00
CR11	1	PASS	49.090	48.950	49.220	0.38	49.09	98.0	50.0	70	130
ICSA1	1	FAIL	0.370	0.869	-0.129	190.60	0.37				0
ICSAB1	1	PASS	480.500	481.800	479.300	0.36	480	96.0	500	80	120
CCV1	1	PASS	192.500	193.900	191.100	1.02	192.50	96.0	200.0	90	110
CCB1	1	PASS	0.407	0.324	0.491	29.02	0.407				+/-50.00
CR12	1	PASS	49.550	49.270	49.830	0.81	49.55	99.0	50.0	70	130
ICSA2	1	FAIL	1.655	1.287	2.023	31.45	1.7				0
ICSAB2	1	PASS	487.400	488.200	486.600	0.23	487	97.0	500	80	120
CCV2	1	PASS	193.300	193.800	192.700	0.38	193.30	97.0	200.0	90	110
CCB2	1	PASS	0.170	0.249	0.092	64.94	0.170				+/-50.00
Quality Control and Field Samples											
PBW031210B	1	PASS	0.683	0.470	0.896	44.17	0.683				+/-50.00
LCSW031210B	1	PASS	454.500	453.400	455.700	0.36	454.50	91.0	500.0	80.0	120.0
821989	1	PASS	43.910	44.540	43.280	2.02	43.9				
821989LX5	1	PASS	9.233	9.273	9.192	0.62	9.2				

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TJA ICAP 7

ICP Metals ILM05.3

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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											
S0	1		-0.002	0.000	0.000	24.62	-0.003				
STD4	1		1.890	0.000	0.000	0.63	1.9				
ICV1	1	PASS	504.600	504.200	505.000	0.12	504.60	101.0	500.0	90	110
ICB1	1	PASS	0.408	0.490	0.326	28.37	0.408				+/-10.00
CRI1	1	PASS	10.670	10.340	11.000	4.34	10.67	107.0	10.0	70	130
ICSA1	1	FAIL	0.158	-0.207	0.523	327.10	0.16				0
ICSAB1	1	PASS	487.300	487.900	486.700	0.17	487	97.0	500	80	120
CCV1	1	PASS	193.700	193.900	193.500	0.14	193.70	97.0	200.0	90	110
CCB1	1	PASS	0.347	0.341	0.352	2.14	0.347				+/-10.00
CRI2	1	PASS	10.270	10.160	10.380	1.53	10.27	103.0	10.0	70	130
ICSA2	1	FAIL	-0.005	0.270	-0.281	7307.00	-0.0053				0
ICSAB2	1	PASS	487.800	486.800	488.700	0.27	488	98.0	500	80	120
CCV2	1	PASS	193.700	194.100	193.200	0.30	193.70	97.0	200.0	90	110
CCB2	1	PASS	0.318	0.495	0.141	78.61	0.318				+/-10.00
Quality Control and Field Samples											
PBW031210B	1	PASS	0.537	0.460	0.614	20.23	0.537				+/-10.00
LCSW031210B	1	PASS	455.100	454.600	455.600	0.15	455.10	91.0	500.0	80.0	120.0
821989	1	PASS	11.030	11.050	11.000	0.28	11.0				
821989LX5	1	PASS	2.967	2.991	2.942	1.17	3.0				

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ICP Metals ILM05.3

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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											
S0	1		0.163	0.000	0.000	2.37	0.16				
STD4	1		7.373	0.000	0.000	0.43	7.4				
ICV1	1	PASS	512.900	514.000	511.900	0.28	512.90	103.0	500.0	90	110
ICB1	1	PASS	0.949	-0.700	2.597	245.70	0.949				+/-25.00
CRI1	1	PASS	26.480	25.440	27.520	5.56	26.48	106.0	25.0	70	130
ICSA1	1	FAIL	-1.021	0.835	-2.877	257.10	-1.0				0
ICSAB1	1	PASS	529.300	533.300	525.300	1.06	529	106.0	500	80	120
CCV1	1	PASS	195.100	195.200	195.000	0.05	195.10	98.0	200.0	90	110
CCB1	1	PASS	1.387	1.464	1.311	7.80	1.387				+/-25.00
CRI2	1	PASS	24.910	24.010	25.810	5.12	24.91	100.0	25.0	70	130
ICSA2	1	FAIL	-0.267	-1.474	0.939	637.90	-0.27				0
ICSAB2	1	PASS	531.300	531.700	530.900	0.11	531	106.0	500	80	120
CCV2	1	PASS	196.000	195.900	196.200	0.12	196.00	98.0	200.0	90	110
CCB2	1	PASS	2.022	1.494	2.551	36.96	2.022				+/-25.00
Quality Control and Field Samples											
PBW031210B	1	PASS	0.922	2.131	-0.288	185.50	0.922				+/-25.00
LCSW031210B	1	PASS	471.200	470.600	471.900	0.19	471.20	94.0	500.0	80.0	120.0
821989	1	PASS	3.755	3.563	3.947	7.23	3.8				
821989LX5	1	PASS	1.282	-0.462	3.026	192.30	1.3				

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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											
S0	1		-0.025	0.000	0.000	3.79	-0.025				
STD7	1		11.650	0.000	0.000	0.60	11.7				
ICV1	1	PASS	26870.000	26900.000	26840.000	0.18	26870.00	105.0	25500.0	90	110
ICB1	1	PASS	11.100	10.870	11.340	3.02	11.100				+/-100.00
CRI1	1	PASS	103.600	111.700	95.570	10.98	103.60	104.0	100.0	70	130
ICSA1	1	PASS	100600.000	101100.000	100200.000	0.65	101000	101.0	100000	80	120
ICSAB1	1	PASS	100300.000	100800.000	99750.000	0.76	100000	100.0	100000	80	120
CCV1	1	PASS	29300.000	29310.000	29290.000	0.06	29300.00	97.0	30200.0	90	110
CCB1	1	PASS	29.720	19.020	40.420	50.93	29.720				+/-100.00
CRI2	1	PASS	125.100	118.500	131.700	7.49	125.10	125.0	100.0	70	130
ICSA2	1	PASS	99930.000	99870.000	99990.000	0.09	99900	100.0	100000	80	120
ICSAB2	1	PASS	99910.000	100000.000	99790.000	0.17	99900	100.0	100000	80	120
CCV2	1	PASS	29230.000	29260.000	29200.000	0.16	29230.00	97.0	30200.0	90	110
CCB2	1	PASS	17.300	27.190	7.409	80.86	17.300				+/-100.00
Quality Control and Field Samples											
PBW031210B	1	PASS	22.730	11.360	34.090	70.73	22.730				+/-100.00
LCSW031210B	1	PASS	46210.000	46150.000	46280.000	0.20	46210.00	92.0	50500.0	80.0	120.0
821989	1	PASS	186.200	182.200	190.100	2.99	186				
821989LX5	1	PASS	49.360	51.710	47.000	6.75	49.4				

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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											
S0	1		-0.060	0.000	0.000	9.21	-0.060				
STD7	1		2.384	0.000	0.000	0.26	2.4				
ICV1	1	PASS	26750.000	26820.000	26680.000	0.38	26750.00	107.0	25000.0	90	110
ICB1	1	PASS	-83.640	-43.130	-124.100	68.49	-83.640				+/-5000.00
CRI1	1	PASS	5293.000	5280.000	5305.000	0.33	5293.00	106.0	5000.0	70	130
ICSA1	1	FAIL	-190.200	-75.010	-305.300	85.64	-190				0
ICSAB1	1	FAIL	-162.600	-137.800	-187.500	21.63	-163				0
CCV1	1	PASS	29290.000	29240.000	29330.000	0.22	29290.00	97.0	30200.0	90	110
CCB1	1	PASS	62.550	47.000	78.110	35.16	62.550				+/-5000.00
CRI2	1	PASS	5563.000	5592.000	5534.000	0.74	5563.00	111.0	5000.0	70	130
ICSA2	1	FAIL	46.690	70.020	23.350	70.69	46.7				0
ICSAB2	1	FAIL	-22.660	-130.800	85.460	674.80	-22.7				0
CCV2	1	PASS	29540.000	29500.000	29570.000	0.16	29540.00	98.0	30200.0	90	110
CCB2	1	PASS	147.000	96.670	197.300	48.40	147.000				+/-5000.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-104.500	-210.900	1.971	144.10	-104.500				+/-5000.00
LCSW031210B	1	PASS	47350.000	47330.000	47360.000	0.04	47350.00	95.0	50000.0	80.0	120.0
821989	1	PASS	12490.000	12550.000	12420.000	0.73	12500				
821989LX5	1	PASS	2736.000	2923.000	2548.000	9.69	2740				

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ICP Metals ILM05.3

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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											
S0	1		0.000	0.000	0.000	599.80	-0.000				
STD7	1		1.092	0.000	0.000	0.01	1.1				
ICV1	1	PASS	25930.000	26010.000	25850.000	0.44	25930.00	104.0	25000.0	90	110
ICB1	1	PASS	78.610	121.700	35.510	77.54	78.610				+/-5000.00
CRI1	1	PASS	5349.000	5355.000	5342.000	0.18	5349.00	107.0	5000.0	70	130
ICSA1	1	PASS	247400.000	249100.000	245700.000	0.98	247000	99.0	250000	80	120
ICSAB1	1	PASS	245600.000	244500.000	246600.000	0.60	246000	98.0	250000	80	120
CCV1	1	PASS	29520.000	29640.000	29390.000	0.60	29520.00	98.0	30200.0	90	110
CCB1	1	PASS	92.750	85.970	99.540	10.34	92.750				+/-5000.00
CRI2	1	PASS	5284.000	5298.000	5270.000	0.37	5284.00	106.0	5000.0	70	130
ICSA2	1	PASS	245100.000	245800.000	244400.000	0.39	245000	98.0	250000	80	120
ICSAB2	1	PASS	245100.000	245800.000	244500.000	0.37	245000	98.0	250000	80	120
CCV2	1	PASS	29280.000	29260.000	29310.000	0.12	29280.00	97.0	30200.0	90	110
CCB2	1	PASS	40.520	21.700	59.340	65.67	40.520				+/-5000.00
Quality Control and Field Samples											
PBW031210B	1	PASS	44.280	23.040	65.510	67.82	44.280				+/-5000.00
LCSW031210B	1	PASS	45130.000	45190.000	45080.000	0.18	45130.00	90.0	50000.0	80.0	120.0
821989	1	PASS	6996.000	7005.000	6987.000	0.18	7000				
821989LX5	1	PASS	1446.000	1487.000	1404.000	4.07	1450				

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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											
S0	1		0.007	0.000	0.000	23.40	0.007				
STD4	1		28.590	0.000	0.000	0.52	28.6				
ICV1	1	PASS	493.100	493.900	492.400	0.20	493.10	99.0	500.0	90	110
ICB1	1	PASS	0.005	-0.147	0.157	3932.00	0.006				+/-15.00
CRI1	1	PASS	15.000	15.160	14.840	1.47	15.00	100.0	15.0	70	130
ICSA1	1	FAIL	-2.097	-2.387	-1.807	19.55	-2.1				0
ICSAB1	1	PASS	478.700	481.700	475.800	0.87	479	96.0	500	80	120
CCV1	1	PASS	189.000	189.200	188.900	0.09	189.00	94.0	200.0	90	110
CCB1	1	PASS	-0.060	-0.051	-0.068	20.01	-0.060				+/-15.00
CRI2	1	PASS	14.960	14.930	14.990	0.26	14.96	100.0	15.0	70	130
ICSA2	1	FAIL	-2.085	-1.923	-2.246	10.95	-2.1				0
ICSAB2	1	PASS	480.500	481.400	479.600	0.26	480	96.0	500	80	120
CCV2	1	PASS	189.300	189.900	188.700	0.44	189.30	95.0	200.0	90	110
CCB2	1	PASS	0.086	0.112	0.060	42.06	0.086				+/-15.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-0.015	-0.051	0.021	334.30	-0.015				+/-15.00
LC5W031210B	1	PASS	442.800	442.500	443.200	0.10	442.80	89.0	500.0	80.0	120.0
821989	1	PASS	1116.000	1114.000	1117.000	0.17	1120				
821989LX5	1	PASS	224.100	224.000	224.300	0.09	224				

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Start Time: 16:58:5

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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											
S0	1		-0.053	0.000	0.000	3.01	-0.053				
STD7	1		7.271	0.000	0.000	0.07	7.3				
ICV1	1	PASS	26250.000	26280.000	26210.000	0.18	26250.00	105.0	25000.0	90	110
ICB1	1	PASS	41.420	60.270	22.580	64.34	41.420				+/-5000.00
CRI1	1	PASS	5384.000	5370.000	5398.000	0.36	5384.00	108.0	5000.0	70	130
ICSA1	1	FAIL	57.980	48.100	67.860	24.09	58.0				0
ICSAB1	1	FAIL	3.193	3.134	3.252	2.60	3.2				0
CCV1	1	PASS	29610.000	29660.000	29560.000	0.22	29610.00	98.0	30200.0	90	110
CCB1	1	PASS	23.000	30.120	15.880	43.75	23.000				+/-5000.00
CRI2	1	PASS	5375.000	5373.000	5377.000	0.06	5375.00	108.0	5000.0	70	130
ICSA2	1	FAIL	62.580	102.000	23.120	89.18	62.6				0
ICSAB2	1	FAIL	-2.311	-11.470	6.853	560.80	-2.3				0
CCV2	1	PASS	29630.000	29590.000	29680.000	0.22	29630.00	98.0	30200.0	90	110
CCB2	1	PASS	-7.099	7.891	-22.090	298.60	-7.099				+/-5000.00
Quality Control and Field Samples											
PBW031210B	1	PASS	11.190	3.669	18.720	95.07	11.190				+/-5000.00
LCSW031210B	1	PASS	45590.000	45560.000	45630.000	0.10	45590.00	91.0	50000.0	80.0	120.0
821989	1	PASS	26300.000	26300.000	26300.000	0.01	26300				
821989LX5	1	PASS	5441.000	5480.000	5401.000	1.02	5440				

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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											
S0	1		0.013	0.000	0.000	7.38	0.013				
STD4	1		0.813	0.000	0.000	0.66	0.81				
ICV1	1	PASS	491.900	491.800	492.000	0.03	491.90	98.0	500.0	90	110
ICB1	1	PASS	0.266	1.050	-0.518	417.00	0.266				+/-40.00
CRI1	1	PASS	37.800	38.300	37.300	1.87	37.80	94.0	40.0	70	130
ICSA1	1	FAIL	-4.349	-4.743	-3.956	12.79	-4.3				0
ICSAB1	1	PASS	944.100	945.300	942.800	0.19	944	94.0	1000	80	120
CCV1	1	PASS	190.200	189.500	191.000	0.55	190.20	95.0	200.0	90	110
CCB1	1	PASS	0.441	0.713	0.170	86.90	0.441				+/-40.00
CRI2	1	PASS	40.890	40.810	40.970	0.29	40.89	102.0	40.0	70	130
ICSA2	1	FAIL	-4.226	-3.115	-5.337	37.19	-4.2				0
ICSAB2	1	PASS	950.700	951.300	950.100	0.09	951	95.0	1000	80	120
CCV2	1	PASS	188.900	187.700	190.000	0.86	188.90	94.0	200.0	90	110
CCB2	1	PASS	1.182	0.208	2.156	116.50	1.182				+/-40.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-0.155	-1.235	0.924	984.70	-0.155				+/-40.00
LCSW031210B	1	PASS	443.500	442.600	444.400	0.28	443.50	89.0	500.0	80.0	120.0
821989	1	PASS	236.400	237.700	235.100	0.78	236				
821989LX5	1	PASS	49.120	48.680	49.560	1.28	49.1				

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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											
S0	1		-0.038	0.000	0.000	56.67	-0.038				
STD8	1		4.630	0.000	0.000	2.01	4.6				
ICV1	1	PASS	1005.000	991.800	1017.000	1.80	1005.00	100.0	1000.0	90	110
ICB1	1	PASS	-1.413	-4.153	1.328	274.40	-1.413				+/-10.00
CRI1	1	PASS	12.280	10.140	14.430	24.67	12.28	123.0	10.0	50	150
ICSA1	1	FAIL	-1.222	-3.139	0.696	222.00	-1.2				0
ICSAB1	1	PASS	48.880	50.510	47.240	4.73	48.9	98.0	50	80	120
CCV1	1	PASS	386.900	385.900	387.800	0.36	386.90	97.0	400.0	90	110
CCB1	1	PASS	-0.087	-0.014	-0.159	118.00	-0.087				+/-10.00
CRI2	1	PASS	12.000	12.510	11.480	6.03	12.00	120.0	10.0	50	150
ICSA2	1	FAIL	-1.528	1.403	-4.459	271.30	-1.5				0
ICSAB2	1	PASS	46.580	47.040	46.120	1.40	46.6	93.0	50	80	120
CCV2	1	PASS	388.800	387.900	389.700	0.33	388.80	97.0	400.0	90	110
CCB2	1	PASS	-0.636	1.342	-2.614	439.80	-0.636				+/-10.00
Quality Control and Field Samples											
PBW031210B	1	PASS	0.490	0.358	0.622	38.00	0.490				+/-10.00
LCSW031210B	1	PASS	919.400	922.100	916.800	0.41	919.40	91.0	1015.0	80.0	120.0
821989	1	PASS	5.192	6.291	4.093	29.93	5.2				
821989LX5	1	PASS	1.364	1.114	1.615	25.95	1.4				

Analytical Review Report

Data File: 031510-03.txt

Date Printed: 3/15/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.000	0.000	0.000	264.10	0.000				
STD8	1		0.112	0.000	0.000	1.09	0.11				
ICV1	1	PASS	259.900	260.200	259.500	0.19	259.90	104.0	250.0	90	110
ICB1	1	PASS	5.442	3.557	7.326	48.97	5.442				+/-60.00
CRI1	1	PASS	60.250	63.730	56.770	8.16	60.25	100.0	60.0	50	150
ICSA1	1	FAIL	-3.108	-2.925	-3.292	8.33	-3.1				0
ICSAB1	1	PASS	609.900	611.700	608.100	0.41	610	102.0	600	80	120
CCV1	1	PASS	301.000	300.100	302.000	0.46	301.00	100.0	300.0	90	110
CCB1	1	PASS	6.273	8.219	4.327	43.87	6.273				+/-60.00
CRI2	1	PASS	60.950	62.870	59.040	4.45	60.95	102.0	60.0	50	150
ICSA2	1	FAIL	-0.256	1.139	-1.651	771.40	-0.26				0
ICSAB2	1	PASS	622.700	621.000	624.300	0.38	623	104.0	600	80	120
CCV2	1	PASS	303.400	306.000	300.900	1.20	303.40	101.0	300.0	90	110
CCB2	1	PASS	0.965	1.303	0.628	49.49	0.966				+/-60.00
Quality Control and Field Samples											
PBW031210B	1	PASS	2.110	0.636	3.584	98.80	2.110				+/-60.00
LCSW031210B	1	PASS	1825.000	1821.000	1829.000	0.31	1825.00	91.0	2000.0	80.0	120.0
821989	1	PASS	3.724	4.567	2.881	32.03	3.7				
821989LX5	1	PASS	-0.774	1.235	-2.784	367.00	-0.77				

Analytical Review Report

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Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.006	0.000	0.000	6.51	0.006				
STD8	1		0.104	0.000	0.000	0.90	0.10				
ICV1	1	PASS	254.200	253.000	255.500	0.69	254.20	102.0	250.0	90	110
ICB1	1	PASS	0.945	-1.409	3.299	352.40	0.945				+/-35.00
CRI1	1	PASS	33.910	33.250	34.560	2.72	33.91	97.0	35.0	70	130
ICSA1	1	FAIL	-6.084	-4.677	-7.491	32.70	-6.1				0
ICSAB1	1	PASS	44.270	46.880	41.650	8.36	44.3	89.0	50	80	120
CCV1	1	PASS	102.300	100.200	104.300	2.87	102.30	102.0	100.0	90	110
CCB1	1	PASS	-0.297	1.657	-2.251	931.70	-0.297				+/-35.00
CRI2	1	PASS	33.490	33.960	33.020	2.00	33.49	96.0	35.0	70	130
ICSA2	1	FAIL	-3.439	1.776	-8.653	214.50	-3.4				0
ICSAB2	1	PASS	47.760	47.270	48.250	1.45	47.8	96.0	50	80	120
CCV2	1	PASS	103.800	102.700	104.800	1.42	103.80	104.0	100.0	90	110
CCB2	1	PASS	-0.740	-1.768	0.288	196.50	-0.740				+/-35.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-1.842	-3.384	-0.299	118.50	-1.842				+/-35.00
LCSW031210B	1	PASS	525.200	523.200	527.100	0.53	525.20	100.0	525.0	80.0	120.0
821989	1	PASS	-0.613	-1.267	0.042	151.20	-0.61				
821989LX5	1	PASS	-2.164	-0.399	-3.929	115.40	-2.2				

Analytical Review Report

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Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.027	0.000	0.000	10.33	-0.027				
STD8	1		1.138	0.000	0.000	1.21	1.1				
ICV1	1	PASS	249.200	240.200	258.300	5.12	249.20	100.0	250.0	90	110
ICB1	1	PASS	2.527	2.278	2.777	13.95	2.527				+/-25.00
CRI1	1	PASS	25.560	29.540	21.580	22.04	25.56	102.0	25.0	50	150
ICSA1	1	FAIL	2.341	4.402	0.281	124.50	2.3				0
ICSAB1	1	PASS	105.900	106.800	105.100	1.12	106	106.0	100	80	120
CCV1	1	PASS	101.100	105.300	96.910	5.90	101.10	101.0	100.0	90	110
CCB1	1	PASS	-2.683	-3.911	-1.455	64.74	-2.683				+/-25.00
CRI2	1	PASS	25.760	28.720	22.800	16.25	25.76	103.0	25.0	50	150
ICSA2	1	FAIL	8.820	5.224	12.420	57.66	8.8				0
ICSAB2	1	PASS	102.600	102.500	102.600	0.09	103	103.0	100	80	120
CCV2	1	PASS	104.000	99.540	108.500	6.09	104.00	104.0	100.0	90	110
CCB2	1	PASS	2.315	-0.554	5.184	175.30	2.315				+/-25.00
Quality Control and Field Samples											
PBW031210B	1	PASS	4.284	1.972	6.597	76.34	4.284				+/-25.00
LCSW031210B	1	PASS	551.800	551.400	552.200	0.10	551.80	100.0	550.0	80.0	120.0
821989	1	PASS	3.751	3.497	4.004	9.56	3.8				
821989LX5	1	PASS	1.839	2.123	1.555	21.81	1.8				

TestAmerica Burlington**V -LL****Analytical Review Report**

Data File: 031510-03.txt

Date Printed: 3/15/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.025	0.000	0.000	32.13	-0.025				
STD4	1		3.840	0.000	0.000	0.57	3.8				
ICV1	1	PASS	529.800	532.300	527.200	0.68	529.80	106.0	500.0	90	110
ICB1	1	PASS	0.604	0.860	0.348	60.00	0.604				+/-50.00
CRI1	1	PASS	48.630	48.490	48.760	0.39	48.63	97.0	50.0	70	130
ICSA1	1	FAIL	-4.068	-4.191	-3.946	4.25	-4.1				0
ICSAB1	1	PASS	504.400	507.100	501.800	0.74	504	101.0	500	80	120
CCV1	1	PASS	199.100	199.700	198.500	0.41	199.10	100.0	200.0	90	110
CCB1	1	PASS	-0.683	-0.445	-0.920	49.26	-0.683				+/-50.00
CRI2	1	PASS	49.990	49.650	50.320	0.94	49.99	100.0	50.0	70	130
ICSA2	1	FAIL	-4.440	-3.969	-4.912	15.01	-4.4				0
ICSAB2	1	PASS	505.900	505.300	506.600	0.20	506	101.0	500	80	120
CCV2	1	PASS	202.200	204.000	200.400	1.24	202.20	101.0	200.0	90	110
CCB2	1	PASS	-1.097	-2.230	0.036	146.00	-1.097				+/-50.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-0.977	-0.856	-1.099	17.59	-0.977				+/-50.00
LCSW031210B	1	PASS	485.400	484.300	486.500	0.32	485.40	97.0	500.0	80.0	120.0
821989	1	PASS	-0.206	-0.597	0.184	267.30	-0.21				
821989LX5	1	PASS	0.141	0.842	-0.560	704.90	0.14				

TestAmerica Burlington**Zn-LL2****Analytical Review Report**

Data File: 031510-03.txt

Date Printed: 3/15/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 16:58:5

End Time: 18:10:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.008	0.000	0.000	10.29	0.008				
STD4	1		5.516	0.000	0.000	0.56	5.5				
ICV1	1	PASS	523.500	523.300	523.800	0.06	523.50	105.0	500.0	90	110
ICB1	1	PASS	0.029	-0.135	0.193	791.60	0.029				+/-60.00
CRI1	1	PASS	60.550	60.820	60.280	0.64	60.55	101.0	60.0	70	130
ICSA1	1	FAIL	-5.242	-5.286	-5.198	1.19	-5.2				0
ICSAB1	1	PASS	1008.000	1011.000	1006.000	0.36	1010	101.0	1000	80	120
CCV1	1	PASS	200.500	200.400	200.600	0.05	200.50	100.0	200.0	90	110
CCB1	1	PASS	-0.513	-0.430	-0.597	23.03	-0.513				+/-60.00
CRI2	1	PASS	59.600	59.880	59.320	0.66	59.60	99.0	60.0	70	130
ICSA2	1	FAIL	-5.291	-5.281	-5.302	0.28	-5.3				0
ICSAB2	1	PASS	1010.000	1008.000	1011.000	0.24	1010	101.0	1000	80	120
CCV2	1	PASS	200.800	200.600	200.900	0.14	200.80	100.0	200.0	90	110
CCB2	1	PASS	-0.541	-0.603	-0.480	16.05	-0.542				+/-60.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-0.680	-0.557	-0.803	25.64	-0.680				+/-60.00
LCSW031210B	1	PASS	476.800	477.200	476.300	0.14	476.80	95.0	500.0	80.0	120.0
821989	1	PASS	45.760	45.980	45.530	0.70	45.8				
821989LX5	1	PASS	9.479	9.568	9.389	1.34	9.5				

Sample Name: S0 Acquired: 3/15/2010 16:58:54 Type: Cal
 Method: 6010(v17) 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	.0011	-.0031	.0017	.0024	-.0002
Stddev	.0010	.0029	.0006	.0004	.0002
%RSD	98.62	92.61	34.02	14.89	97.06
#1	.0018	-.0011	.0013	.0021	-.0004
#2	.0003	-.0052	.0021	.0026	-.0001
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	-.0004	-.0003	-.0111	-.0131	-.0025
Stddev	.0012	.0007	.0002	.0010	.0006
%RSD	274.7	244.0	1.369	7.437	24.62
#1	-.0012	.0002	-.0112	-.0138	-.0029
#2	.0004	-.0008	-.0110	-.0124	-.0021
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	.1629	-.0248	-.0603	-.0001	.0068
Stddev	.0039	.0009	.0056	.0004	.0016
%RSD	2.370	3.785	9.208	599.8	23.40
#1	.1601	-.0241	-.0642	-.0004	.0079
#2	.1656	-.0255	-.0564	.0002	.0057

Sample Name: S0 Acquired: 3/15/2010 16:58:54 Type: Cal
 Method: 6010(v17) 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	-.0011	-.0532	.0132	-.0011	-.0383
Stddev	.0004	.0016	.0010	.0000	.0217
%RSD	31.67	3.014	7.376	.2112	56.67
#1	-.0014	-.0543	.0139	-.0011	-.0537
#2	-.0009	-.0520	.0125	-.0011	-.0230
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	.0060	.2134	.0004	.0281
Stddev	.0005	.0004	.0033	.0001	.0038
%RSD	264.1	6.515	1.538	28.98	13.52
#1	-.0002	.0058	.2157	.0003	.0254
#2	.0006	.0063	.2111	.0005	.0308
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	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	-.0325	-.0267	-.0247	.0078	
Stddev	.0000	.0028	.0079	.0008	
%RSD	.0348	10.33	32.13	10.29	
#1	-.0325	-.0248	-.0303	.0084	
#2	-.0325	-.0287	-.0191	.0073	

Unlabeled: *ju*

Sample Name: S0 Acquired: 3/15/2010 16:58:54 Type: Cal
 Method: 6010(v17) 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	209.92	2261.4	2184.3	4118.9
Stddev	1.75	4.7	11.0	23.0
%RSD	.83396	.20667	.50376	.55777
#1	211.15	2258.1	2192.1	4102.6
#2	208.68	2264.7	2176.6	4135.1

Sample Name: STD7 Acquired: 3/15/2010 17:02:42 Type: Cal
 Method: 6010(v17) 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	2.962	.9334	11.65	2.384	1.092
Stddev	.005	.0040	.07	.006	.000
%RSD	.1807	.4247	.6023	.2555	.0100

#1	2.966	.9362	11.61	2.388	1.092
#2	2.958	.9306	11.70	2.379	1.092

Elem	Na-LL
Line	589.592 (57)
IS Ref	(Y_HWRD)
Units	Cts/S
Avg	7.271
Stddev	.005
%RSD	.0699

#1	7.275
#2	7.267

Int. Std.	Y_HWAX	Y_HWRD
Line	224.306 (150)	371.030 (91)
Units	Cts/S	Cts/S
Avg	2208.1	4015.9
Stddev	14.1	2.1
%RSD	.63682	.05287

#1	2218.0	4014.4
#2	2198.1	4017.4

Sample Name: STD8 Acquired: 3/15/2010 17:06:30 Type: Cal
Method: 6010(v17) 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	.1252	4.630	.1120	.1042	.2619
Stddev	.0010	.093	.0012	.0009	.0011
%RSD	.7741	2.007	1.088	.8972	.4214
#1	.1245	4.696	.1111	.1035	.2611
#2	.1258	4.564	.1128	.1048	.2627

Elem	Ti-LL
Line	190.856 (477)
IS Ref	(In2306)
Units	Cts/S
Avg	1.138
Stddev	.014
%RSD	1.213

#1	1.148
#2	1.129

Int. Std.	In2306	Y_-LWAX
Line	230.606 (446)	224.306 (450)
Units	Cts/S	Cts/S
Avg	210.88	2182.2
Stddev	3.66	9.4
%RSD	1.7355	.42953

#1	208.29	2188.8
#2	213.46	2175.5

Sample Name: STD4 Acquired: 3/15/2010 17:10:22 Type: Cal
 Method: 6010(v17) 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-LL
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	2.762	5.788	.0837	2.969	1.232
Stddev	.012	.0011	.0002	.002	.002
%RSD	.4343	.1824	.2339	.0503	.1251
#1	2.753	.5795	.0836	2.968	1.233
#2	2.770	.5781	.0839	2.970	1.230
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	1.286	1.890	7.373	28.59	.9556
Stddev	.006	.012	.032	.15	.0008
%RSD	.4664	.6270	.4336	.5196	.0882
#1	1.290	1.898	7.350	28.48	.9551
#2	1.281	1.882	7.396	28.69	.9562
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	.8132	.1874	6.311	44.00	6.445
Stddev	.0054	.0013	.028	.32	.033
%RSD	.6639	.7019	.4494	.7297	.5077
#1	.8170	.1883	6.291	44.23	6.422
#2	.8094	.1864	6.331	43.77	6.468

Sample Name: STD4 Acquired: 3/15/2010 17:10:22 Type: Cal
 Method: 6010(v17) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL	
Line	292.402 (115)2	213.856 (458)	
IS Ref	(Y_HWAX)	(Y_LWAX)	
Units	Cts/S	Cts/S	
Avg	3.840	5.516	
Stddev	.022	.031	
%RSD	.5669	.5614	
#1	3.824	5.538	
#2	3.855	5.494	
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	2274.9	2174.7	4090.8
Stddev	9.1	10.3	33.4
%RSD	.40046	.47192	.81533
#1	2281.3	2167.5	4067.3
#2	2268.4	2182.0	4114.4

Sample Name: ICV Acquired: 3/15/2010 17:14:12 Type: QC
 Method: 6010(v17) 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	505.5	27100.	258.8	520.5	506.1
Stddev	1.4	83.	.4	1.3	.7
%RSD	.2776	.3061	.1613	.2522	.1320
#1	506.5	27160.	258.5	519.6	505.7
#2	504.5	27040.	259.1	521.4	506.6

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	519.2	26220.	510.2	499.0	504.6
Stddev	1.5	181.	1.0	.6	.6
%RSD	.2909	.6887	.1946	.1103	.1163
#1	520.3	26350.	509.5	498.6	504.2
#2	518.2	26090.	510.9	499.4	505.0

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 3/15/2010 17:14:12 Type: QC
 Method: 6010(v17) 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	512.9	26870.	26750.	25930.	493.1
Stddev	1.4	47.	101.	113.	1.0
%RSD	.2784	.1762	.3770	.4361	.2040
#1	514.0	26900.	26820.	26010.	493.9
#2	511.9	26840.	26680.	25850.	492.4

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	532.3	26250.	491.9	508.7	1005.
Stddev	1.1	47.	.2	.8	18.
%RSD	.2157	.1787	.0319	.1575	1.801
#1	531.4	26280.	491.8	508.2	991.8
#2	533.1	26210.	492.0	509.3	1017.

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 3/15/2010 17:14:12 Type: QC
 Method: 6010(v17) 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	259.9	254.2	272.2	257.3	498.3
Stddev	5	1.8	2.3	1.7	1.0
%RSD	.1880	.6912	.8622	.6712	.2087
#1	260.2	253.0	273.8	256.1	499.1
#2	259.5	255.5	270.5	258.5	497.6

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	522.9	249.2	529.8	523.5
Stddev	3.2	12.8	3.6	.3
%RSD	.6083	5.118	.6823	.0611
#1	525.2	240.2	532.3	523.3
#2	520.7	258.3	527.2	523.8

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 3/15/2010 17:14:12 Type: QC
 Method: 6010(v17) 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	203.02	2199.4	2129.0	4028.2
Stddev	3.74	8.2	3.4	19.6
%RSD	1.8417	.37307	.16001	.48671
#1	205.66	2193.6	2131.4	4014.4
#2	200.37	2205.2	2126.6	4042.1

Sample Name: ICB Acquired: 3/15/2010 17:18:00 Type: QC
 Method: 6010(v17) 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	-2824	-24.95	1.365	2.596	2.021
Stddev	1.469	12.84	2.906	.757	8.517
%RSD	520.1	51.47	212.9	29.16	421.4
#1	.7563	-15.87	-.6902	3.131	-4.001
#2	-1.321	-34.03	3.420	2.061	8.044

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.345	-41.65	.3841	.7781	.4083
Stddev	.0324	30.97	.4237	.7778	.1159
%RSD	24.07	74.37	110.3	99.95	28.37
#1	-.1574	-19.75	.6837	.2282	.4902
#2	-.1116	-63.55	.0845	1.328	.3264

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/15/2010 17:18:00 Type: QC
 Method: 6010(v17) 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	.9488	11.10	-83.64	78.61	.0055
Stddev	2.331	.33	57.28	60.95	.2149
%RSD	245.7	3.016	68.49	77.54	3932.
#1	-.6996	10.87	-43.13	121.7	-.1465
#2	2.597	11.34	-124.1	35.51	.1574

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	1.757	41.42	.2658	-.3373	-1.413
Stddev	1.020	26.65	1.109	2.316	3.876
%RSD	58.02	64.34	417.0	686.6	274.4
#1	2.479	60.27	1.050	1.300	-4.153
#2	1.036	22.58	-.5180	-1.975	1.328

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/15/2010 17:18:00 Type: QC
 Method: 6010(v17) 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	5.442	.9447	-2.981	-.4963	.1541
Stddev	2.665	3.329	1.550	.9235	.0841
%RSD	48.97	352.4	52.01	186.1	54.58
#1	3.557	-1.409	-4.077	.1567	.0946
#2	7.326	3.299	-1.884	-1.149	.2135

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-6.483	2.527	.6038	.0293
Stddev	.3880	.353	.3623	.2320
%RSD	59.85	13.95	60.00	791.6
#1	-.9226	2.278	.8600	-.1348
#2	-.3740	2.777	.3476	.1934

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/15/2010 17:18:00 Type: QC
 Method: 6010(v17) 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	205.63	2250.0	2154.1	4044.7
Stddev	2.05	3.3	4.3	5.6
%RSD	.99662	.14526	.19741	.13863
#1	207.08	2247.7	2157.1	4048.7
#2	204.18	2252.3	2151.1	4040.8

LLC 145.9 1575.0 1507.9 2831.3
 ULL 267.3 2525.0 2800.3 5258.1

Sample Name: CRI Acquired: 3/15/2010 17:21:50 Type: QC
 Method: 6010(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	B-LL	Be-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	9.514	258.0	13.87	F.9661	194.5
Stddev	.245	49.4	1.48	.5745	6.3
%RSD	2.572	19.15	10.64	59.47	3.226
#1	9.341	223.1	12.82	.5598	190.0
#2	9.687	292.9	14.91	1.372	198.9

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Fail 150.0 50.00 Chk Pass

Elem	Be-LL	Ca-LL	Cd-LL	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	5.046	538.1	5.165	49.09	10.67
Stddev	.350	13.	.051	.19	.46
%RSD	6.937	.2390	.9967	.3783	4.339
#1	5.294	5390.	5.202	48.95	10.34
#2	4.799	5372.	5.129	49.22	11.00

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 3/15/2010 17:21:50 Type: QC
 Method: 6010(v17) 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	26.48	103.6	5293.	5349.	15.00
Stddev	1.47	11.4	17.	10.	.22
%RSD	5.559	10.98	.3288	.1790	1.473
#1	25.44	111.7	5280.	5355.	15.16
#2	27.52	95.57	5305.	5342.	14.84

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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.1.924	5384.	37.80	F.2499	12.28
Stddev	.276	19.	.71	1.192	3.03
%RSD	14.34	.3607	1.865	477.0	24.67
#1	1.729	5370.	38.30	-.5929	10.14
#2	2.119	5398.	37.30	1.093	14.43

Check ? High Limit Low Limit
 Chk Fail 15.00 5.000 Chk Pass Chk Pass Chk Fail 375.0 125.0 Chk Pass

Sample Name: CRI Acquired: 3/15/2010 17:21:50 Type: QC
 Method: 6010(v17) 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	60.25	33.91	F.-3.458	F.5998	F.2391
Stddev	4.92	.92	3.890	2.102	.0055
%RSD	8.165	2.718	112.5	350.4	2.287
#1	63.73	33.25	-6.209	2.086	.2352
#2	56.77	34.56	-.7076	-.8864	.2429

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Fail 300.0 100.0 Chk Fail 30.00 10.00 Chk Fail

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	F.-6941	25.56	48.63	60.55
Stddev	.9582	5.63	.19	.39
%RSD	138.0	22.04	.3946	.6387
#1	-1.372	29.54	48.49	60.82
#2	-.0166	21.58	48.76	60.28

Check ? High Limit Low Limit
 Chk Fail 30.00 10.00 Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 3/15/2010 17:21:50 Type: QC
 Method: 6010(v17) 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	204.86	2261.9	2164.4	4046.1
Stddev	2.38	8.7	15.9	3.3
%RSD	1.1609	.38267	.73374	.08080
#1	203.18	2255.8	2153.1	4048.4
#2	206.54	2268.0	2175.6	4043.8

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/15/2010 17:25:38 Type: QC
 Method: 6010(v17) 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	-6384	252200.	4.921	2.133	-1.847
Stddev	.9020	1962.	.136	1.606	6.915
%RSD	141.3	.7780	2.755	75.29	374.5
#1	-0.005	253600.	5.017	3.269	3.043
#2	-1.276	250800.	4.825	.9973	-6.736

Check ?
 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	-3171	251100.	1.300	.3699	.1580
Stddev	.0348	1849.	.053	.7053	.5168
%RSD	10.98	.7363	4.051	190.6	327.1

#1
 #2

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/15/2010 17:25:38 Type: QC
 Method: 6010(v17) 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	-1.021	100600.	-190.2	247400.	-2.097
Stddev	2.625	657.	162.9	2417.	.410
%RSD	257.1	.6527	85.64	.9771	19.55
#1	.8353	101100.	-75.01	249100.	-2.387
#2	-2.877	100200.	-305.3	245700.	-1.807

Check ?
 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	.3190	57.98	-4.349	-.0602	-1.222
Stddev	.5484	13.97	.556	1.031	2.712
%RSD	171.9	24.09	12.79	1714.	222.0

#1
 #2

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/15/2010 17:25:38 Type: QC
 Method: 6010(v17) 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	-3.108	-6.084	11.58	.5254	2.591
Stddev	.259	1.989	1.09	1.513	.017
%RSD	8.331	32.70	9.380	287.9	.6385

#1
 #2

Check ?
 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	6.184	2.341	-4.068	-5.242
Stddev	.678	2.914	.173	.062
%RSD	10.96	124.5	4.251	1.189

#1
 #2

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/15/2010 17:25:38 Type: QC
 Method: 6010(v17) 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	198.13	2140.2	2055.7	3926.7
Stddev	.62	18.9	8.6	15.9
%RSD	.31157	.88285	.41650	.40524

#1
 #2

Check ?
 High Limit
 Low Limit

Sample Name: ICSAB Acquired: 3/15/2010 17:29:27 Type: QC
 Method: 6010(v17) 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	202.7	250400.	F 108.0	F 9485	482.7
Stddev	1.0	1674.	3.9	1.414	3.0
%RSD	.5177	.6687	3.592	149.1	.6219

#1	202.0	249200.	105.2	1.949	484.9
#2	203.5	251500.	110.7	-.0514	480.6

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	503.7	249100.	1013.	480.5	487.3
Stddev	4.5	1750.	2	1.7	.8
%RSD	.8853	.7025	.2049	.3618	.1731

#1	500.6	247900.	1014.	481.8	487.9
#2	506.9	250400.	1011.	479.3	486.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 3/15/2010 17:29:27 Type: QC
 Method: 6010(v17) 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	529.3	F 100300.	-162.6	245600.	478.7
Stddev	5.6	762.	35.2	1486.	4.2
%RSD	1.057	.7597	21.63	.6049	.8730

#1	533.3	100800.	-137.8	244500.	481.7
#2	525.3	99750.	-187.5	246600.	475.8

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 -.2949	3.193	944.1	F -.9904	48.88
Stddev	.5798	.083	1.7	.4490	2.31
%RSD	196.6	2.604	.1851	45.33	4.730

#1	.1151	3.134	945.3	-.6729	50.51
#2	-.7049	3.252	942.8	-1.308	47.24

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: 3/15/2010 17:29:27 Type: QC
 Method: 6010(v17) 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)	288.156 (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	609.9	44.27	3.192	-.9303	2.556
Stddev	2.5	3.70	6.770	1.344	.051
%RSD	.4138	8.356	212.1	144.5	1.981

#1	611.7	46.88	7.979	.0203	2.520
#2	608.1	41.65	-1.595	-1.881	2.591

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	F 5.498	105.9	504.4	1008.
Stddev	.231	1.2	3.7	4.
%RSD	4.192	1.122	.7382	.3619

#1	5.661	106.8	507.1	1011.
#2	5.335	105.1	501.8	1006.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	600.0			
Low Limit	400.0			

Sample Name: ICSAB Acquired: 3/15/2010 17:29:27 Type: QC
 Method: 6010(v17) 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	198.51	2135.6	2054.5	3955.2
Stddev	2.11	11.9	13.9	44.1
%RSD	1.0648	.55600	.67743	1.1147

#1	197.01	2127.2	2044.6	3986.4
#2	200.00	2144.0	2064.3	3924.1

Sample Name: CCV Acquired: 3/15/2010 17:33:13 Type: QC
 Method: 6010(v17) 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	98.15	29570.	106.3	718.6	193.7
Stddev	.06	156.	.2	1.9	4.2
%RSD	.0661	.5274	.2140	.2692	2.146

#1	98.19	29680.	106.1	717.2	196.7
#2	98.10	29460.	106.5	719.9	190.8

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	98.94	29230.	100.4	192.5	193.7
Stddev	.24	111.	.9	2.0	.3
%RSD	.2423	.3786	.8526	1.020	.1402

#1	99.11	29310.	101.0	193.9	193.9
#2	98.77	29150.	99.81	191.1	193.5

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/15/2010 17:33:13 Type: QC
 Method: 6010(v17) 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	195.1	29300.	29290.	29520.	189.0
Stddev	.1	18.	64.	177.	.2
%RSD	.0478	.0624	.2197	.6010	.0860

#1	195.2	29310.	29240.	29640.	189.2
#2	195.0	29290.	29330.	29390.	188.9

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	199.3	29610.	190.2	198.9	386.9
Stddev	.2	66.	1.0	1.2	1.4
%RSD	.1042	.2232	.5494	.5826	.3596

#1	199.2	29660.	189.5	198.0	385.9
#2	199.5	29560.	191.0	199.7	387.8

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/15/2010 17:33:13 Type: QC
 Method: 6010(v17) 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	301.0	102.3	1015.	201.3	298.3
Stddev	1.4	2.9	1.	1.6	1.7
%RSD	.4565	2.865	.1048	.8136	.5733

#1	300.1	100.2	1016.	202.5	299.5
#2	302.0	104.3	1014.	200.1	297.1

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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)	(ln2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	398.9	101.1	199.1	200.5
Stddev	.8	6.0	.8	.1
%RSD	.1968	5.903	.4101	.0455

#1	398.4	105.3	199.7	200.4
#2	399.5	96.91	198.5	200.6

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/15/2010 17:33:13 Type: QC
 Method: 6010(v17) 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	205.25	2222.3	2126.6	4010.0
Stddev	.07	5.9	1.9	20.1
%RSD	.03555	.26675	.08884	.50099

#1	205.20	2218.1	2125.3	3995.8
#2	205.30	2226.4	2128.0	4024.2

Sample Name: CCB Acquired: 3/15/2010 17:37:00 Type: QC
 Method: 6010(v17) 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	.2372	31.52	2.472	2.875	1.653
Stddev	.3630	24.64	.869	.524	1.548
%RSD	153.1	78.15	35.16	18.23	93.67

#1 4939 14.10 1.857 3.245 2.748
 #2 -.0195 48.94 3.086 2.504 .5582

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	-.1120	49.15	.4441	.4074	.3465
Stddev	.0965	62.74	.2401	.1182	.0074
%RSD	86.19	127.7	54.06	29.02	2.145

#1 -.0437 93.52 .6139 .3238 .3413
 #2 -.1802 4.784 .2744 .4910 .3518

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/15/2010 17:37:00 Type: QC
 Method: 6010(v17) 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	1.387	29.72	62.55	92.75	-.0595
Stddev	.108	15.14	21.99	9.59	.0119
%RSD	7.803	50.93	35.16	10.34	20.01

#1 1.464 19.02 47.00 85.97 -.0510
 #2 1.311 40.42 78.11 99.54 -.0679

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	.8731	23.00	.4414	-.2822	-.0867
Stddev	.7860	10.06	.3836	.5808	.1022
%RSD	90.02	43.75	86.90	205.8	118.0

#1 .3174 30.12 .7127 -.6929 -.0144
 #2 1.429 15.88 .1702 .1285 -.1590

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/15/2010 17:37:00 Type: QC
 Method: 6010(v17) 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	6.273	-.2966	-5.070	.6197	.1213
Stddev	2.752	2.763	5.931	.3188	.0781
%RSD	43.87	931.7	117.0	51.44	64.39

#1 8.219 1.657 -.8766 .3943 .0661
 #2 4.327 -2.251 -9.264 .8451 .1765

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	-.3345	-2.683	-.6827	-.5132
Stddev	1.074	1.737	.3363	.1182
%RSD	321.1	64.74	49.26	23.03

#1 .4249 -3.911 -.4449 -.4296
 #2 -1.094 -1.455 -.9205 -.5968

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/15/2010 17:37:00 Type: QC
 Method: 6010(v17) 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	209.05	2244.2	2169.4	4066.4
Stddev	3.25	24.4	16.1	9.1
%RSD	1.5540	1.0885	.74307	.22484

#1 206.75 2226.9 2158.0 4060.0
 #2 211.35 2261.5 2180.8 4072.9

Sample Name: PBW031210B Acquired: 3/15/2010 17:40:50 Type: Unk
 Method: 6010(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-5098	15.88	3.789	1.465	3.750
Stddev	.3782	14.84	1.128	1.629	5.666
%RSD	74.19	93.47	29.76	111.2	151.1
#1	-7772	5.384	4.586	.3134	-2560
#2	-2424	26.38	2.991	2.617	7.756

Check ? None None None None None
 Value
 Range

Elem	Be-LL	Ca-LL	Cd-LL	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	.0028	-30.96	-0539	.6828	.5370
Stddev	.0778	51.38	.3087	.3016	.1086
%RSD	2739.	166.0	572.7	44.17	20.23
#1	.0578	-67.29	.1644	.4695	.4602
#2	-.0522	5.370	-.2722	.8961	.6138

Check ? None None None None None
 Value
 Range

Sample Name: PBW031210B Acquired: 3/15/2010 17:40:50 Type: Unk
 Method: 6010(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	.9219	22.73	-104.5	44.28	-0152
Stddev	1.711	16.07	150.6	30.03	.0506
%RSD	185.5	70.73	144.1	67.82	334.3
#1	2.131	11.36	-210.9	23.04	-.0510
#2	-.2876	34.09	1.971	65.51	.0207

Check ? None None None None None
 Value
 Range

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	.2523	11.19	-1550	-1408	.4900
Stddev	.2271	10.64	1.527	.7485	.1862
%RSD	90.02	95.07	984.7	531.8	38.00
#1	.4129	3.669	-1.235	-.6700	.3584
#2	.0917	18.72	.9245	.3885	.6217

Check ? None None None None None
 Value
 Range

Sample Name: PBW031210B Acquired: 3/15/2010 17:40:50 Type: Unk
 Method: 6010(v17) 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	2.110	-1.842	-8.476	-.6081	.1165
Stddev	2.084	2.182	9.039	.1651	.1420
%RSD	98.80	118.5	106.6	27.15	121.8
#1	.6358	-3.384	-14.87	-.7248	.0161
#2	3.584	-.2991	-2.084	-.4913	.2169

Check ? None None None None None
 Value
 Range

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	-.2284	4.284	-.9772	-.6800
Stddev	.2947	3.271	.1718	.1744
%RSD	129.0	76.34	17.59	25.64
#1	-.4368	1.972	-.8557	-.5568
#2	-.0201	6.597	-1.099	-.8033

Check ? None None None None
 Value
 Range

Sample Name: PBW031210B Acquired: 3/15/2010 17:40:50 Type: Unk
 Method: 6010(v17) 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	216.35	2300.9	2197.7	4153.7
Stddev	.81	11.5	7.6	2.9
%RSD	.37428	.50014	.34573	.07065
#1	216.92	2292.8	2192.3	4155.8
#2	215.77	2309.1	2203.0	4151.6

Check ? 216.92 2292.8 2192.3 4155.8
 Value 215.77 2309.1 2203.0 4151.6
 Range

Sample Name: LCSW031210B Acquired: 3/15/2010 17:44:36 Type: Unk
 Method: 6010(v17) 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	458.2	46400.	1046.	463.9	453.6
Stddev	1	183.	1.	2.5	1.3
%RSD	.0226	.3945	.0891	.5397	.2770
#1	458.3	46270.	1046.	462.1	454.4
#2	458.2	46530.	1045.	465.7	452.7

Check ? Value Range
 None None None None None

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	470.8	46180.	492.7	454.5	455.1
Stddev	2	98.	6	1.6	.7
%RSD	.0375	.2116	.1121	.3581	.1468
#1	470.6	46110.	492.3	453.4	454.6
#2	470.9	46250.	493.1	455.7	455.6

Check ? Value Range
 None None None None None

Sample Name: LCSW031210B Acquired: 3/15/2010 17:44:36 Type: Unk
 Method: 6010(v17) 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	471.2	46210.	47350.	45130.	442.8
Stddev	.9	94.	20.	82.	4
%RSD	.1925	.2035	.0418	.1827	.0995
#1	470.6	46150.	47330.	45190.	442.5
#2	471.9	46280.	47360.	45080.	443.2

Check ? Value Range
 None None None None None

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)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1025.	45590.	443.5	979.1	919.4
Stddev	5.	44.	1.2	1.3	3.8
%RSD	.5015	.0963	.2807	.1363	.4079
#1	1022.	45560.	442.6	978.2	922.1
#2	1029.	45630.	444.4	980.1	916.8

Check ? Value Range
 None None None None None

Sample Name: LCSW031210B Acquired: 3/15/2010 17:44:36 Type: Unk
 Method: 6010(v17) 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	1825.	525.2	1071.	874.1	1411.
Stddev	6.	2.8	4.	3.4	19.
%RSD	.3128	.5314	.3461	.3908	1.344
#1	1821.	523.2	1068.	871.7	1425.
#2	1829.	527.1	1074.	876.5	1398.

Check ? Value Range
 None None None None None

Elem	Ti-LL	Th-LL	V-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(ln2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	996.0	551.8	485.4	476.8
Stddev	.4	.6	1.5	.7
%RSD	.0395	.1044	.3172	.1389
#1	995.7	551.4	484.3	477.2
#2	996.3	552.2	486.5	476.3

Check ? Value Range
 None None None None

Sample Name: LCSW031210B Acquired: 3/15/2010 17:44:36 Type: Unk
 Method: 6010(v17) 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	202.96	2229.0	2127.9	4012.7
Stddev	1.18	15.7	8.7	9.4
%RSD	.58059	.70502	.40673	.23353
#1	202.13	2240.1	2121.7	4006.0
#2	203.79	2217.8	2134.0	4019.3

Check ? Value Range
 None None None None

Sample Name: 821989 Acquired: 3/15/2010 17:48:07 Type: Unk
 Method: 6010(v17) 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	.9943	15460.	1.991	77.57	44.07
Stddev	.7042	33.	.246	1.56	14.85
%RSD	70.83	.2107	12.34	2.007	33.69

#1	.4963	15480.	2.165	76.47	33.57
#2	1.492	15440.	1.818	78.67	54.57

Check ? Value Range
 None None None None None

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	2.181	16410.	1.102	43.91	11.03
Stddev	.002	56.	.181	.89	.03
%RSD	.0817	.3427	16.40	2.022	.2788

#1	2.182	16450.	.9743	44.54	11.05
#2	2.180	16370.	1.230	43.28	11.00

Check ? Value Range
 None None None None None

Sample Name: 821989 Acquired: 3/15/2010 17:48:07 Type: Unk
 Method: 6010(v17) 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	3.755	186.2	12490.	6996.	1116.
Stddev	.272	5.6	91.	13.	2.
%RSD	7.230	2.995	.7314	.1849	.1745

#1	3.563	182.2	12550.	7005.	1114.
#2	3.947	190.1	12420.	6987.	1117.

Check ? Value Range
 None None None None None

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	4.426	26300.	236.4	28.00	5.192
Stddev	.584	2.	1.8	.03	1.554
%RSD	13.19	.0067	.7765	.0896	29.93

#1	4.838	26300.	237.7	27.98	6.291
#2	4.013	26300.	235.1	28.02	4.093

Check ? Value Range
 None None None None None

Sample Name: 821989 Acquired: 3/15/2010 17:48:07 Type: Unk
 Method: 6010(v17) 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	3.724	-.6126	12530.	.0213	82.91
Stddev	1.193	.9260	17.	.2883	.22
%RSD	32.03	151.2	.1353	1352.	.2661

#1	4.567	-1.267	12540.	.2252	82.75
#2	2.881	.0422	12520.	-.1826	83.07

Check ? Value Range
 None None None None None

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	6.620	3.751	-.2064	45.76
Stddev	.363	.359	.5518	.32
%RSD	5.486	9.564	267.3	.6989

#1	6.363	3.497	-.5966	45.98
#2	6.876	4.004	.1837	45.53

Check ? Value Range
 None None None None

Sample Name: 821989 Acquired: 3/15/2010 17:48:07 Type: Unk
 Method: 6010(v17) 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	209.60	2275.0	2188.0	4108.6
Stddev	.29	10.6	6.3	23.4
%RSD	.13667	.46437	.28605	.56882

#1	209.80	2267.5	2183.6	4092.1
#2	209.40	2282.4	2192.4	4125.1

Sample Name: 821989LX5 Acquired: 3/15/2010 17:51:46 Type: Unk
 Method: 6010(v17) 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	2517	3158	9564	16.03	7.912
Stddev	1.007	38	6619	35	5.454
%RSD	400.1	1.205	69.20	2.160	68.93

#1	.9640	3185.	1.424	15.78	4.056
#2	-.4605	3131.	.4884	16.27	11.77

Check ? Value Range
 None None None None None

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	2519	3260.	.4122	9.233	2.967
Stddev	2418	13.	.5094	.058	.035
%RSD	95.97	.4057	123.6	.6229	1.173

#1	.0810	3269.	.0520	9.273	2.991
#2	.4229	3251.	.7724	9.192	2.942

Check ? Value Range
 None None None None None

Sample Name: 821989LX5 Acquired: 3/15/2010 17:51:46 Type: Unk
 Method: 6010(v17) 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	1.282	49.36	2736.	1446.	224.1
Stddev	2.466	3.33	265.	59.	2
%RSD	192.3	6.748	9.689	4.068	.0903

#1	-.4616	51.71	2923.	1487.	224.0
#2	3.026	47.00	2548.	1404.	224.3

Check ? Value Range
 None None None None None

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	1.450	5441.	49.12	5.585	1.364
Stddev	1.222	56.	63	2.900	.354
%RSD	84.31	1.020	1.276	51.93	25.95

#1	.5854	5480.	48.68	3.534	1.114
#2	2.314	5401.	49.56	7.635	1.615

Check ? Value Range
 None None None None None

Sample Name: 821989LX5 Acquired: 3/15/2010 17:51:46 Type: Unk
 Method: 6010(v17) 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	-.7743	-2.164	2461.	.1418	16.78
Stddev	2.842	2.496	2.	.7514	.15
%RSD	367.0	115.4	.0672	529.8	.8862

#1	1.235	-.3986	2463.	-.3895	16.68
#2	-2.784	-3.929	2460.	.6732	16.89

Check ? Value Range
 None None None None None

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	1.271	1.839	.1406	9.479
Stddev	1.319	.401	.9913	.127
%RSD	103.8	21.81	704.9	1.335

#1	.3383	2.123	.8416	9.568
#2	2.203	1.555	-.5603	9.389

Check ? Value Range
 None None None None

Sample Name: 821989LX5 Acquired: 3/15/2010 17:51:46 Type: Unk
 Method: 6010(v17) 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	209.19	2284.9	2180.8	4086.1
Stddev	2.60	6.8	6.7	15.2
%RSD	1.2442	.29819	.30633	.37250

#1	211.03	2280.1	2176.1	4096.9
#2	207.35	2289.7	2185.5	4075.4

Sample Name: CRI Acquired: 3/15/2010 17:55:30 Type: QC
 Method: 6010(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	7.235	287.1	11.01	F 1.045	192.3
Stddev	.928	32.6	2.16	.728	14.0
%RSD	12.83	11.35	19.58	69.66	7.299

#1	6.579	264.0	9.487	1.559	182.3
#2	7.892	310.1	12.54	.5301	202.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-LL	Cd-LL	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	4.628	5424.	5.368	49.55	10.27
Stddev	.069	31.	.121	.40	.16
%RSD	1.489	.5776	2.250	.8069	1.529

#1	4.677	5446.	5.282	49.27	10.16
#2	4.579	5402.	5.453	49.83	10.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 3/15/2010 17:55:30 Type: QC
 Method: 6010(v17) 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	24.91	125.1	5563.	5284.	14.96
Stddev	1.28	9.4	41.	20.	.04
%RSD	5.123	7.485	.7382	.3739	.2575

#1	24.01	118.5	5592.	5298.	14.93
#2	25.81	131.7	5534.	5270.	14.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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 .3953	5375.	40.89	F -1.991	12.00
Stddev	.9262	3.	.12	1.820	.72
%RSD	234.3	.0554	.2880	91.42	6.028

#1	1.050	5373.	40.81	-3.278	12.51
#2	-.2596	5377.	40.97	-7040	11.48

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: 3/15/2010 17:55:30 Type: QC
 Method: 6010(v17) 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	60.95	33.49	F 3.995	F -1.462	F .1879
Stddev	2.71	.67	3.664	.493	.0872
%RSD	4.451	2.001	91.71	33.74	46.43

#1	62.87	33.96	6.586	-1.113	.2496
#2	59.04	33.02	1.404	-1.811	.1262

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	Ti-LL	V-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	282.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F .2478	25.76	49.99	59.60
Stddev	.6178	4.19	.47	.39
%RSD	249.4	16.25	.9365	.6559

#1	.6846	28.72	49.65	59.88
#2	-.1891	22.80	50.32	59.32

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 3/15/2010 17:55:30 Type: QC
 Method: 6010(v17) 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)
IS Ref	Cts/S	Cts/S	Cts/S	Cts/S
Units	208.69	2258.6	2169.7	4063.3
Avg	1.23	20.3	.5	39.4
Stddev	.58794	.89808	.02226	.97070
%RSD				

#1	209.55	2272.9	2169.3	4035.4
#2	207.82	2244.2	2170.0	4091.2

Sample Name: ICSA Acquired: 3/15/2010 17:59:18 Type: QC
Method: 6010(v17) 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	-8709	250500.	6.188	.8672	6.349
Stddev	.9361	56.	1.878	.6225	.442
%RSD	107.5	.0223	30.35	71.78	6.955

#1	-1.533	250500.	4.860	1.307	6.662
#2	-2090	250400.	7.516	.4270	6.037

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-2636	249200.	1.893	1.655	-0.0053
Stddev	.2107	1032.	.068	.521	.3895
%RSD	79.93	.4142	3.607	31.45	7307.

#1	-1.146	249900.	1.941	1.287	.2701
#2	-4126	248500.	1.845	2.023	-.2807

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/15/2010 17:59:18 Type: QC
Method: 6010(v17) 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	-.2674	99930.	46.69	245100.	-2.085
Stddev	1.706	87.	33.00	956.	.228
%RSD	637.9	.0868	70.69	.3901	10.95

#1	-1.474	99870.	70.02	245800.	-1.923
#2	.9388	99990.	23.35	244400.	-2.246

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-.6936	62.58	-4.226	.3870	-1.528
Stddev	.2582	55.81	1.571	1.186	4.145
%RSD	37.22	89.18	37.19	306.4	271.3

#1	-.8762	102.0	-3.115	-.4515	1.403
#2	-.5110	23.12	-5.337	1.226	-4.459

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/15/2010 17:59:18 Type: QC
Method: 6010(v17) 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	-.2557	-3.439	12.28	-2.421	2.516
Stddev	1.973	7.375	2.67	1.384	.077
%RSD	771.4	214.5	21.74	57.18	3.076

#1	1.139	1.776	10.39	-1.442	2.571
#2	-1.651	-8.653	14.17	-3.399	2.461

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	5.801	8.820	-4.440	-5.291
Stddev	.186	5.085	.666	.015
%RSD	3.201	57.66	15.01	.2787

#1	5.933	5.224	-3.969	-5.281
#2	5.670	12.42	-4.912	-5.302

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/15/2010 17:59:18 Type: QC
Method: 6010(v17) 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	198.90	2144.6	2069.5	3944.0
Stddev	.68	12.2	13.1	10.7
%RSD	.34233	.56796	.63290	.27039

#1	199.38	2153.2	2060.2	3936.5
#2	198.41	2136.0	2078.8	3951.6

Sample Name: ICSAB Acquired: 3/15/2010 18:03:06 Type: QC
 Method: 6010(v17) 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	201.6	250800.	F 106.8	F -1.174	481.6
Stddev	.6	317.	4.0	.074	20.6
%RSD	.3136	.1265	3.784	6.298	4.271
#1	201.1	251000.	104.0	-1.227	467.1
#2	202.0	250600.	109.7	-1.122	496.2

Check ?
 High Limit
 Low Limit

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	201.6	250800.	F 106.8	F -1.174	481.6
Stddev	.6	317.	4.0	.074	20.6
%RSD	.3136	.1265	3.784	6.298	4.271
#1	201.1	251000.	104.0	-1.227	467.1
#2	202.0	250600.	109.7	-1.122	496.2

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	503.6	249100.	1023.	487.4	487.8
Stddev	1.6	133.	1.	1.1	1.3
%RSD	.3266	.0532	.0789	.2340	.2727
#1	504.8	249200.	1022.	488.2	486.8
#2	502.5	249000.	1023.	486.6	488.7

Check ?
 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	503.6	249100.	1023.	487.4	487.8
Stddev	1.6	133.	1.	1.1	1.3
%RSD	.3266	.0532	.0789	.2340	.2727
#1	504.8	249200.	1022.	488.2	486.8
#2	502.5	249000.	1023.	486.6	488.7

Sample Name: ICSAB Acquired: 3/15/2010 18:03:06 Type: QC
 Method: 6010(v17) 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	531.3	F 99910.	-22.66	245100.	480.5
Stddev	.6	171.	152.9	902.	1.3
%RSD	.1110	.1715	674.8	.3681	.2639
#1	531.7	100000.	-130.8	245800.	481.4
#2	530.9	99790.	85.46	244500.	479.6

Check ?
 High Limit
 Low Limit

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	531.3	F 99910.	-22.66	245100.	480.5
Stddev	.6	171.	152.9	902.	1.3
%RSD	.1110	.1715	674.8	.3681	.2639
#1	531.7	100000.	-130.8	245800.	481.4
#2	530.9	99790.	85.46	244500.	479.6

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 -.1369	-2.311	950.7	F .3227	46.58
Stddev	.1695	12.96	9	.9352	.65
%RSD	123.8	560.8	.0934	289.8	1.398
#1	-.0171	-11.47	951.3	9840	47.04
#2	-.2568	6.853	950.1	-.3386	46.12

Check ?
 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 -.1369	-2.311	950.7	F .3227	46.58
Stddev	.1695	12.96	9	.9352	.65
%RSD	123.8	560.8	.0934	289.8	1.398
#1	-.0171	-11.47	951.3	9840	47.04
#2	-.2568	6.853	950.1	-.3386	46.12

Sample Name: ICSAB Acquired: 3/15/2010 18:03:06 Type: QC
 Method: 6010(v17) 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	622.7	47.76	12.30	-1.665	2.532
Stddev	2.4	.69	7.46	.655	.009
%RSD	.3817	1.445	60.65	39.35	.3663
#1	621.0	47.27	17.57	-2.129	2.538
#2	624.3	48.25	7.022	-1.202	2.525

Check ?
 High Limit
 Low Limit

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	622.7	47.76	12.30	-1.665	2.532
Stddev	2.4	.69	7.46	.655	.009
%RSD	.3817	1.445	60.65	39.35	.3663
#1	621.0	47.27	17.57	-2.129	2.538
#2	624.3	48.25	7.022	-1.202	2.525

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	F 6.543	102.6	505.9	1010.
Stddev	1.007	1.	1.0	2.
%RSD	15.40	.0911	.1953	.2430
#1	7.255	102.5	505.3	1008.
#2	5.831	102.6	506.6	1011.

Check ?
 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	F 6.543	102.6	505.9	1010.
Stddev	1.007	1.	1.0	2.
%RSD	15.40	.0911	.1953	.2430
#1	7.255	102.5	505.3	1008.
#2	5.831	102.6	506.6	1011.

Sample Name: ICSAB Acquired: 3/15/2010 18:03:06 Type: QC
 Method: 6010(v17) 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	198.01	2150.4	2053.7	3942.3
Stddev	1.07	3.8	7.3	13.8
%RSD	.53920	.17691	.35520	.35106
#1	198.76	2147.7	2058.8	3932.6
#2	197.25	2153.1	2048.5	3952.1

Sample Name: CCV Acquired: 3/15/2010 18:06:54 Type: QC
 Method: 6010(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-HL	As-LL	B.-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	97.64	29470.	106.8	726.9	194.8
Stddev	.63	54.	4.9	2.5	.7
%RSD	.6406	.1833	4.552	.3478	.3697
#1	98.08	29430.	103.4	725.1	195.3
#2	97.20	29510.	110.3	728.7	194.3

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	98.42	29160.	101.3	193.3	193.7
Stddev	.00	133.	.0	.7	.6
%RSD	.0032	.4570	.0264	.3750	.3010
#1	98.42	29070.	101.3	193.8	194.1
#2	98.42	29260.	101.3	192.7	193.2

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/15/2010 18:06:54 Type: QC
 Method: 6010(v17) 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_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	196.0	29230.	29540.	29280.	189.3
Stddev	.2	47.	46.	35.	.8
%RSD	.1155	.1607	.1563	.1196	.4372
#1	195.9	29260.	29500.	29260.	189.9
#2	196.2	29200.	29570.	29310.	188.7

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	201.8	29630.	188.9	202.7	388.8
Stddev	.2	64.	1.6	1.4	1.3
%RSD	.1183	.2161	.8571	.7042	.3302
#1	202.0	29590.	187.7	203.8	387.9
#2	201.7	29680.	190.0	201.7	389.7

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/15/2010 18:06:54 Type: QC
 Method: 6010(v17) 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_HWRD)	(Y_LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	303.4	103.8	1018.	200.1	300.3
Stddev	3.6	1.5	1.	1.1	1.1
%RSD	1.197	1.425	.1100	.5707	.3805
#1	306.0	102.7	1019.	200.9	301.2
#2	300.9	104.8	1017.	199.3	299.5

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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_HWRD)	(In2306)	(Y_HWRD)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	396.6	104.0	202.2	200.8
Stddev	.8	6.3	2.5	.3
%RSD	.2056	6.089	1.239	.1350
#1	397.2	99.54	204.0	200.6
#2	396.0	108.5	200.4	200.9

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/15/2010 18:06:54 Type: QC
 Method: 6010(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_HWRD	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	204.21	2222.3	2130.6	3995.7
Stddev	.40	6.0	4.7	3.9
%RSD	.19776	.26987	.22088	.09708
#1	203.93	2226.6	2127.3	3998.5
#2	204.50	2218.1	2134.0	3993.0

Sample Name: CCB Acquired: 3/15/2010 18:10:40 Type: QC
 Method: 6010(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-4614	39.84	3138	1.891	4.785
Stddev	1.307	19.29	.9930	.914	12.42
%RSD	283.2	48.41	316.4	48.36	259.5

#1 .4626 53.48 1.016 2.537 13.56
 #2 -1.385 26.20 -3.883 1.244 -3.995

Elem	Be-LL	Ca-LL	Cd-LL	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	-0.238	85.39	-0.0738	.1703	.3182
Stddev	14.68	43.04	.2514	.1106	.2502
%RSD	617.4	50.40	340.7	64.94	78.61

#1 -1.276 54.96 -2.515 .2485 .4951
 #2 .0800 115.8 .1040 .0921 .1414

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/15/2010 18:10:40 Type: QC
 Method: 6010(v17) 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	2.022	17.30	147.0	40.52	.0862
Stddev	.747	13.99	71.1	26.61	.0362
%RSD	36.96	80.86	48.40	65.67	42.06

#1 1.494 27.19 96.67 21.70 .1118
 #2 2.551 7.409 197.3 59.34 .0605

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	1.837	-7.099	1.182	-0.0360	-6.360
Stddev	.260	21.20	1.378	1.290	2.797
%RSD	14.14	298.6	116.5	3585.	439.8

#1 2.020 7.891 .2084 .8759 1.342
 #2 1.653 -22.09 2.156 -.9479 -2.614

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/15/2010 18:10:40 Type: QC
 Method: 6010(v17) 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	.9655	-7.399	-4.473	-1.457	.0538
Stddev	.4778	1.454	3.134	.008	.0110
%RSD	49.49	196.5	70.06	.5481	20.39

#1 1.303 -1.768 -2.257 -1.452 .0460
 #2 .6277 .2884 -6.689 -1.463 .0615

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.105	2.315	-1.097	-5.415
Stddev	.343	4.057	1.602	.0869
%RSD	31.07	175.3	146.0	16.05

#1 -8626 -5542 -2.230 -.6029
 #2 -1.348 5.184 .0358 -.4800

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/15/2010 18:10:40 Type: QC
 Method: 6010(v17) 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	208.98	2262.2	2153.9	4059.0
Stddev	2.45	11.3	6.4	7.4
%RSD	1.1739	.49943	.29939	.18292

#1 207.24 2270.2 2149.4 4064.3
 #2 210.71 2254.2 2158.5 4053.8

TestAmerica Burlington

Runlog Review Report

Analyzed by: BAA

Date: 3/16/2010

Reviewed by: BAA

Date: 03/16/10

QC Review by: SLD

Date: 3-16-10

TJA ICAP 7

ICP Metals ILM05.14 *

QC use: Cal#:

Prep#

Inst#:

Seq Sample ID	Analysis		DF	Matrix	Data File	Prep Batch	Analyst Comments
	Date	Time					
1. S0	3/16/2010	09:46:44	1	WATER	031610-01.txt		* / AR
2. STD7	3/16/2010	09:50:33	1	WATER	031610-01.txt		/ AS
3. STD8	3/16/2010	09:54:21	1	WATER	031610-01.txt		
4. STD4	3/16/2010	09:58:32	1	WATER	031610-01.txt		
5. ICV1	3/16/2010	10:02:34	1	WATER	031610-01.txt		
6. ICB1	3/16/2010	10:06:28	1	WATER	031610-01.txt		
7. CRI1	3/16/2010	10:10:20	1	WATER	031610-01.txt		
8. ICSA1	3/16/2010	10:14:11	1	WATER	031610-01.txt		
9. ICSAB1	3/16/2010	10:18:00	1	WATER	031610-01.txt		
10. CCV1	3/16/2010	10:21:48	1	WATER	031610-01.txt		
11. CCB1	3/16/2010	10:25:37	1	WATER	031610-01.txt		
12. PBW031210B	3/16/2010	10:29:26	1	WATER	031610-01.txt	PBICPW0312	
13. LCSW031210B	3/16/2010	10:33:17	1	WATER	031610-01.txt	PBICPW0312	
14. 821989	3/16/2010	10:37:09	1	WATER	031610-01.txt	PBICPW0312	
15. 821989LX5	3/16/2010	10:41:00	1	WATER	031610-01.txt		
16. CRI2	3/16/2010	10:44:51	1	WATER	031610-01.txt		
17. ICSA2	3/16/2010	10:48:41	1	WATER	031610-01.txt		
18. ICSAB2	3/16/2010	10:52:32	1	WATER	031610-01.txt		
19. CCV2	3/16/2010	10:56:20	1	WATER	031610-01.txt		
20. CCB2	3/16/2010	11:00:09	1	WATER	031610-01.txt		

* 03/16/10

Analytical Review Report

Data File: 031610-01.txt

Date Printed: 3/16/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/16/2010

Analysis End Date: 3/16/2010

Start Time: 09:46:4

End Time: 11:00:0

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.001	0.000	0.000	213.30	-0.001				
STD7	1		2.643	0.000	0.000	0.06	2.6				
ICV60	1	PASS	27420.000	27640.000	27200.000	1.14	27420.00	105.0	26000.0	90	110
ICB1	1	PASS	-18.520	-41.260	4.226	173.70	-18.520				+/-200.00
CRI1	1	PASS	163.000	174.200	151.800	9.70	163.00	82.0	200.0	70	130
ICSA1	1	PASS	257300.000	258300.000	256400.000	0.52	257000	103.0	250000	80	120
ICSAB1	1	PASS	256900.000	257300.000	256400.000	0.26	257000	103.0	250000	80	120
CCV1	1	PASS	30180.000	30180.000	30180.000	0.00	30180.00	100.0	30200.0	90	110
CCB1	1	PASS	8.252	-10.080	26.590	314.20	8.252				+/-200.00
CRI2	1	PASS	242.100	225.500	258.800	9.74	242.10	121.0	200.0	70	130
ICSA2	1	PASS	259800.000	258900.000	260700.000	0.50	260000	104.0	250000	80	120
ICSAB2	1	PASS	259300.000	260200.000	258500.000	0.45	259000	104.0	250000	80	120
CCV2	1	PASS	30530.000	30530.000	30540.000	0.01	30530.00	101.0	30200.0	90	110
CCB2	1	PASS	-11.440	-21.120	-1.760	119.70	-11.440				+/-200.00
Quality Control and Field Samples											
PBW031210B	1	PASS	43.360	52.250	34.470	29.00	43.360				+/-200.00
LCSW031210B	1	PASS	48270.000	48310.000	48230.000	0.11	48270.00	95.0	51000.0	80.0	120.0
821989	1	PASS	15770.000	15810.000	15730.000	0.36	15800				
821989LX5	1	PASS	3127.000	3117.000	3136.000	0.44	3130				

Analytical Review Report

Date Printed: 3/16/10

Data File: 031610-01.txt

Truevalue List: ICP7_D066-540

TJA ICAP 7

Analysis Start Date: 3/16/2010

Start Time: 09:46:4

ICP Metals ILM05.3

Analysis End Date: 3/16/2010

End Time: 11:00:0

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.002	0.000	0.000	3.03	0.002				
STD8	1		0.119	0.000	0.000	0.16	0.12				
ICV60	1	PASS	269.800	269.400	270.100	0.18	269.80	108.0	250.0	90	110
ICB1	1	PASS	-0.874	0.471	-2.219	217.70	-0.874				+/-10.00
CRI1	1	PASS	12.260	12.390	12.120	1.59	12.26	123.0	10.0	70	130
ICSA1	1	FAIL	-1.861	-1.831	-1.892	2.29	-1.9				0
ICSAB1	1	PASS	109.000	111.100	106.900	2.69	109	109.0	100	80	120
CCV1	1	PASS	108.400	107.500	109.300	1.16	108.40	108.0	100.0	90	110
CCB1	1	PASS	7.149	-2.438	16.740	189.70	7.149				+/-10.00
CRI2	1	PASS	7.774	8.558	6.991	14.26	7.77	78.0	10.0	70	130
ICSA2	1	FAIL	0.457	-1.326	2.240	551.80	0.46				0
ICSAB2	1	PASS	108.900	108.100	109.800	1.11	109	109.0	100	80	120
CCV2	1	PASS	108.000	109.500	106.600	1.87	108.00	108.0	100.0	90	110
CCB2	1	PASS	-1.788	-1.966	-1.611	14.05	-1.788				+/-10.00
Quality Control and Field Samples											
PBW031210B	1	PASS	-0.200	1.514	-1.914	1211.00	-0.200				+/-10.00
LCSW031210B	1	PASS	1112.000	1111.000	1112.000	0.12	1112.00	106.0	1050.0	80.0	120.0
821989	1	PASS	-1.520	-1.130	-1.911	36.35	-1.5				
821989LX5	1	PASS	1.564	0.796	2.333	69.49	1.6				

Sample Name: S0 Acquired: 3/16/2010 9:46:44 Type: Cal
 Method: 6010(v18) 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	-.0010	.0023	.0038	-.0001
Stddev	.0006	.0022	.0001	.0003	.0000
%RSD	12.68	213.3	3.034	7.193	7.598
#1	.0043	-.0026	.0024	.0036	-.0001
#2	.0052	.0005	.0023	.0040	-.0001
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	-.0001	.0010	-.0092	-.0114	-.0018
Stddev	.0014	.0004	.0005	.0007	.0003
%RSD	1187.	43.36	5.300	6.084	18.12
#1	-.0011	.0013	-.0095	-.0109	-.0016
#2	.0008	.0007	-.0089	-.0119	-.0020
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	.1841	-.0151	-.0512	.0008	.0144
Stddev	.0078	.0017	.0003	.0001	.0020
%RSD	4.223	11.19	.5627	9.282	13.82
#1	.1896	-.0163	-.0510	.0007	.0159
#2	.1786	-.0139	-.0514	.0008	.0130

Sample Name: S0 Acquired: 3/16/2010 9:46:44 Type: Cal
 Method: 6010(v18) 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	.0011	-.0373	.0119	-.0014	-.0268
Stddev	.0002	.0077	.0011	.0001	.0204
%RSD	15.44	20.56	9.171	8.976	76.04
#1	.0010	-.0318	.0112	-.0013	-.0124
#2	.0012	-.0427	.0127	-.0015	-.0413
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	.0054	.2077	.0007	.0502
Stddev	.0009	.0005	.0007	.0000	.0012
%RSD	529.2	9.938	.3588	3.010	2.333
#1	-.0005	.0058	.2072	.0006	.0494
#2	.0008	.0050	.2082	.0007	.0511
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	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	-.0286	-.0297	-.0230	.0090	
Stddev	.0057	.0085	.0052	.0009	
%RSD	20.02	28.58	22.58	9.794	
#1	-.0327	-.0237	-.0194	.0097	
#2	-.0246	-.0358	-.0267	.0084	

Sample Name: S0 Acquired: 3/16/2010 9:46:44 Type: Cal
 Method: 6010(v18) 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	216.33	2348.6	2235.2	4250.6
Stddev	2.17	26.1	3.9	11.3
%RSD	1.0023	1.1109	.17605	.26533
#1	217.86	2330.1	2238.0	4258.6
#2	214.79	2367.0	2232.4	4242.6

Analyst: BAA

Sample Name: STD7 Acquired: 3/16/2010 9:50:33 Type: Cal
Method: 6010(v18) 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	2.643	.8968	11.22	2.386	1.046
Stddev	.002	.0001	.02	.002	.001
%RSD	.0565	.0108	.1878	.0759	.0545
#1	2.642	.8969	11.24	2.385	1.046
#2	2.644	.8967	11.21	2.388	1.046

Elem	Na-LL
Line	589.592 { 57}
IS Ref	(Y_HWRD)
Units	Cts/S
Avg	7.242
Stddev	.006
%RSD	.0851
#1	7.247
#2	7.238

Int. Std.	Y_HWAX	Y_HWRD
Line	224.306 {150}	371.030 { 91}
Units	Cts/S	Cts/S
Avg	2280.1	4172.3
Stddev	2.4	11.4
%RSD	.10480	.27220
#1	2281.8	4180.3
#2	2278.5	4164.3

Sample Name: STD8 Acquired: 3/16/2010 9:54:21 Type: Cal
Method: 6010(v18) 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	.1194	4.366	.1092	.1005	.2485
Stddev	.0002	.039	.0005	.0004	.0006
%RSD	.1611	.8883	.4665	.3574	.2337
#1	.1193	4.394	.1095	.1003	.2481
#2	.1195	4.339	.1088	.1008	.2489
Elem	Ti-LL				
Line	190.856 (477)				
IS Ref	(In2306)				
Units	Cts/S				
Avg	1.104				
Stddev	.003				
%RSD	.2977				
#1	1.107				
#2	1.102				
Int. Std.	In2306	Y_-LWAX			
Line	230.606 (446)	224.306 (450)			
Units	Cts/S	Cts/S			
Avg	218.09	2262.7			
Stddev	1.74	.8			
%RSD	.79740	.03419			
#1	216.86	2262.2			
#2	219.32	2263.2			

Sample Name: STD4 Acquired: 3/16/2010 9:58:32 Type: Cal
 Method: 6010(v18) 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-LL
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	2.662	.5732	.0756	2.910	1.212
Stddev	.018	.0009	.0000	.010	.004
%RSD	.6864	.1626	.0195	.3534	.2880
#1	2.675	.5726	.0756	2.917	1.209
#2	2.649	.5739	.0756	2.903	1.214
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	1.255	1.831	7.192	27.97	.9439
Stddev	.005	.002	.022	.05	.0065
%RSD	.3865	.0847	.3078	.1834	.6929
#1	1.252	1.830	7.207	28.01	.9393
#2	1.259	1.832	7.176	27.94	.9485
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	.7872	.1808	6.149	43.11	6.246
Stddev	.0001	.0003	.016	.05	.020
%RSD	.0112	.1529	.2671	.1242	.3259
#1	.7871	.1806	6.160	43.07	6.261
#2	.7872	.1810	6.137	43.15	6.232

Sample Name: STD4 Acquired: 3/16/2010 9:58:32 Type: Cal
 Method: 6010(v18) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL	
Line	292.402 (115)2	213.856 (458)	
IS Ref	(Y_HWAX)	(Y_LWAX)	
Units	Cts/S	Cts/S	
Avg	3.789	5.383	
Stddev	.027	.005	
%RSD	.7070	.0911	
#1	3.808	5.379	
#2	3.770	5.386	
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	2362.5	2235.3	4274.3
Stddev	7.6	.2	1.6
%RSD	.32097	.00847	.03831
#1	2357.1	2235.4	4273.2
#2	2367.8	2235.1	4275.5

Sample Name: ICV Acquired: 3/16/2010 10:02:34 Type: QC
 Method: 6010(v18) 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	506.5	27420.	269.8	517.5	508.7
Stddev	1.7	314.	5	.2	4.8
%RSD	.3434	1.144	.1790	.0476	.9405
#1	507.7	27640.	269.4	517.3	512.1
#2	505.2	27200.	270.1	517.6	505.3

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	527.7	26710.	512.4	503.0	505.9
Stddev	3.3	130.	.7	.4	.0
%RSD	.6183	.4848	.1421	.0698	.0056
#1	530.0	26800.	511.9	502.8	505.9
#2	525.4	26620.	512.9	503.2	505.9

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 3/16/2010 10:02:34 Type: QC
 Method: 6010(v18) 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	516.5	27000.	27260.	26190.	494.4
Stddev	3.2	127.	162.	164.	1.0
%RSD	.6279	.4711	.5942	.6274	.2094
#1	518.8	27090.	27370.	26310.	495.2
#2	514.2	26910.	27140.	26080.	493.7

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	532.7	26420.	495.2	508.0	1019.
Stddev	2.0	209.	.8	2	2
%RSD	.3780	.7908	.1683	.0418	.1972
#1	531.3	26570.	494.6	507.9	1017.
#2	534.1	26280.	495.8	508.2	1020.

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 3/16/2010 10:02:34 Type: QC
 Method: 6010(v18) 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	263.0	259.6	F 282.3	267.3	507.9
Stddev	3.2	2.4	2.1	1.9	1.3
%RSD	1.223	.9349	.7464	.6931	.2630
#1	260.7	257.9	283.8	268.6	507.0
#2	265.2	261.3	280.8	266.0	508.9

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass

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	524.7	251.0	525.8	524.8
Stddev	2.0	3.2	.6	.7
%RSD	.3819	1.293	.1232	.1367
#1	526.1	253.3	526.2	524.3
#2	523.3	248.7	525.3	525.3

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 3/16/2010 10:02:34 Type: QC
 Method: 6010(v18) 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	209.67	2281.5	2186.7	4142.8
Stddev	1.41	12.8	5.4	9.6
%RSD	.67186	.56013	.24702	.23099
#1	210.67	2272.5	2190.5	4136.0
#2	208.68	2290.6	2182.9	4149.5

Sample Name: ICB Acquired: 3/16/2010 10:06:28 Type: QC
 Method: 6010(v18) 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	-1.292	-18.52	-8.741	.3993	5.482
Stddev	.139	32.16	1.903	1.006	1.502
%RSD	10.75	173.7	217.7	251.9	27.40

#1 -1.390 -41.26 .4713 1.111 4.420
 #2 -1.194 4.226 -2.219 -.3119 6.544

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	.0881	3.900	-.0942	-.1057	.2226
Stddev	.1615	12.16	.0089	.3860	.4652
%RSD	183.4	311.8	9.433	365.2	208.9

#1 .2023 -4.700 -.0880 -.3787 -.1063
 #2 -.0261 12.50 -.1005 .1673 .5516

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/16/2010 10:06:28 Type: QC
 Method: 6010(v18) 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	-1.987	-7.322	135.0	-57.98	-.0233
Stddev	1.287	14.29	129.2	53.74	.1371
%RSD	64.79	195.2	95.70	92.69	587.9

#1 -2.897 -17.43 43.65 -19.98 .0736
 #2 -1.077 2.786 226.4 -95.97 -1.1202

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)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.9280	-17.19	1.399	2.077	1.742
Stddev	.0395	25.83	.652	.601	2.983
%RSD	4.252	150.3	46.65	28.92	171.2

#1 .9001 -35.45 .9373 1.652 -.3671
 #2 .9559 1.076 1.860 2.501 3.852

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/16/2010 10:06:28 Type: QC
 Method: 6010(v18) 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	2.950	-1.796	.4429	-2.401	.0300
Stddev	1.447	1.305	.7296	1.321	.0128
%RSD	49.05	72.63	164.7	55.02	42.58

#1 3.973 -8.738 .9587 -3.335 .0210
 #2 1.927 -2.719 -.0730 -1.467 .0391

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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)	(ln2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.4113	1.021	-1.377	-.4102
Stddev	1.051	2.660	.014	.1116
%RSD	255.5	260.6	.9871	27.20

#1 1.154 -8.601 -1.367 -4.891
 #2 -3.318 2.902 -1.386 -.3313

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/16/2010 10:06:28 Type: QC
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	ln2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	218.54	2342.4	2250.2	4227.2
Stddev	3.51	1.2	2.7	4.8
%RSD	1.6049	.05257	.12156	.11442

#1 221.02 2341.5 2252.1 4223.8
 #2 216.06 2343.3 2248.3 4230.6

H 284.102 3045.12 3315.26 5495.36
 AL 152.978 1639.68 1575.14 2959.04

Sample Name: CRI Acquired: 3/16/2010 10:10:20 Type: QC
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	8.921	163.0	12.26	F-2.298	194.9
Stddev	2.268	15.8	.20	.208	10.3
%RSD	25.42	9.704	1.593	9.046	5.279

#1	7.318	174.2	12.39	-2.151	202.2
#2	10.52	151.8	12.12	-2.445	187.7

Elem	Be-LL	Ca-LL	Cd-LL	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	4.944	5417.	4.664	49.92	10.24
Stddev	.203	144.	.135	.22	.22
%RSD	4.098	2.665	2.888	.4498	2.152

#1	4.801	5519.	4.569	49.77	10.08
#2	5.088	5315.	4.759	50.08	10.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Sample Name: CRI Acquired: 3/16/2010 10:10:20 Type: QC
 Method: 6010(v18) 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 (144)	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	22.57	F 87.02	5750.	5313.	14.87
Stddev	1.11	16.89	82.	57.	.07
%RSD	4.936	19.42	1.433	1.074	.4696

#1	21.78	75.07	5809.	5354.	14.83
#2	23.36	98.96	5692.	5273.	14.92

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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-.1745	5433.	40.13	F-.6801	9.771
Stddev	.7980	1.	1.57	.8353	1.291
%RSD	457.4	.0135	3.911	122.8	13.21

#1	-7387	5432.	39.02	-.0894	8.859
#2	.3898	5433.	41.24	-1.271	10.68

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: 3/16/2010 10:10:20 Type: QC
 Method: 6010(v18) 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	59.89	35.22	F 4.950	F-2.668	F.1062
Stddev	2.29	.72	2.884	1.138	.0495
%RSD	3.822	2.051	58.26	42.66	46.58

#1	61.51	35.73	2.911	-1.863	14.12
#2	58.27	34.71	6.990	-3.473	.0712

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	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	F.7146	24.74	50.50	61.23
Stddev	1.152	.47	2.14	.60
%RSD	161.3	1.902	4.235	.9789

#1	-1.003	25.07	48.99	60.80
#2	1.529	24.40	52.02	61.65

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 3/16/2010 10:10:20 Type: QC
 Method: 6010(v18) 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	216.27	2338.8	2233.1	4253.0
Stddev	3.22	10.3	23.0	7.2
%RSD	1.4869	.44185	1.0280	.16958

#1	218.54	2346.1	2249.3	4258.1
#2	213.99	2331.5	2216.9	4247.9

Sample Name: ICSA Acquired: 3/16/2010 10:14:11 Type: QC
 Method: 6010(v18) 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	-2.044	257300.	-1.861	-1531	-3.505
Stddev	.822	1337.	.043	.9183	1.624
%RSD	40.21	.5195	2.289	600.0	46.34

#1 -2.626 258300. -1.831 .4963 -4.653
 #2 -1.463 256400. -1.892 -.8024 -2.356

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	-1.606	255900.	1.099	.9905	.0760
Stddev	.0894	558.	.225	1824	2.226
%RSD	55.70	.2181	20.45	18.41	293.0

#1 -.0973 256300. .9401 1.120 .2333
 #2 -.2238 255500. 1.258 .8616 -.0814

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/16/2010 10:14:11 Type: QC
 Method: 6010(v18) 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	-2.319	103100.	-15.67	252000.	-2.426
Stddev	1.071	.87.	61.15	503.	.080
%RSD	46.19	.0847	390.2	.1996	3.285

#1 -3.076 103200. 27.57 252400. -2.370
 #2 -1.561 103100. -58.91 251700. -2.482

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	-2.195	-2.335	-4.318	.0267	-4.757
Stddev	.093	5.874	.321	.3380	1.264
%RSD	4.234	2516.	7.439	1267.	26.56

#1 -2.261 3.920 -4.091 .2656 -5.651
 #2 -2.130 -4.387 -4.546 -.2123 -3.864

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/16/2010 10:14:11 Type: QC
 Method: 6010(v18) 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	-8.119	-5.735	14.79	-2.244	2.454
Stddev	2.537	.1832	.88	.589	.037
%RSD	312.5	31.95	5.952	26.23	1.505

#1 -2.606 -.7031 14.16 -2.660 2.428
 #2 .9821 -.4439 15.41 -1.828 2.480

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	6.419	4.731	-3.263	-5.644
Stddev	.599	1.795	2.496	.025
%RSD	9.330	37.94	76.49	.4481

#1 5.996 6.000 -5.028 -5.626
 #2 6.843 3.462 -1.498 -5.662

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/16/2010 10:14:11 Type: QC
 Method: 6010(v18) 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	205.07	2220.3	2115.3	4115.9
Stddev	3.81	10.2	11.1	5.2
%RSD	1.8554	.45740	.52530	.12691

#1 202.38 2213.1 2107.5 4112.2
 #2 207.76 2227.4 2123.2 4119.6

Sample Name: ICSAB Acquired: 3/16/2010 10:18:00 Type: QC
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	208.1	256900.	F 109.0	F -1.991	497.7
Stddev	1.5	663.	2.9	.275	2.4
%RSD	.7012	.2579	2.691	13.78	.4916

#1	207.0	257300.	111.1	-1.797	496.0
#2	209.1	256400.	106.9	-2.185	499.4

Elem	Be-LL	Ca-LL	Cd-LL	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	516.2	254800.	1033.	492.9	498.9
Stddev	2.0	1124.	.	1.0	.5
%RSD	.3948	.4410	.0416	.2043	.0941

#1	517.6	255600.	1032.	492.2	499.2
#2	514.7	254000.	1033.	493.6	498.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 3/16/2010 10:18:00 Type: QC
 Method: 6010(v18) 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	544.4	F 103300.	-62.94	W 250600.	490.4
Stddev	.9	416.	23.58	375.	.9
%RSD	.1656	.4028	37.46	.1494	.1771

#1	545.0	103600.	-46.27	250900.	491.0
#2	543.7	103000.	-79.61	250400.	489.8

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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 -1.908	-4.158	970.9	F -.1195	50.18
Stddev	.858	1.660	.1	1.594	.67
%RSD	44.97	39.93	.0133	1334.	1.337

#1	-1.301	-2.984	970.8	-1.246	49.70
#2	-2.514	-5.332	970.9	1.007	50.65

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: 3/16/2010 10:18:00 Type: QC
 Method: 6010(v18) 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	626.8	46.59	9.391	-1.378	2.436
Stddev	1.2	.49	.825	1.160	.079
%RSD	.1929	1.057	8.782	84.18	3.224

#1	627.6	46.94	8.808	-2.198	2.381
#2	625.9	46.24	9.975	-.5577	2.492

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	F 6.130	108.4	510.8	1029.
Stddev	.345	1.5	1.1	
%RSD	5.636	1.398	.2195	.0208

#1	6.374	107.3	511.5	1029.
#2	5.885	109.4	510.0	1030.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	600.0			
Low Limit	400.0			

Sample Name: ICSAB Acquired: 3/16/2010 10:18:00 Type: QC
 Method: 6010(v18) 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	206.18	2199.2	2117.2	4087.7
Stddev	.38	7.3	5.4	34.4
%RSD	.18511	.33077	.25590	.84138

#1	205.91	2194.1	2121.0	4112.0
#2	206.45	2204.4	2113.3	4063.4

Sample Name: CCV Acquired: 3/16/2010 10:21:48 Type: QC
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	102.9	30180.	108.4	734.2	197.2
Stddev	3.4	1.	1.3	3.3	3.2
%RSD	3.274	.0045	1.164	.4440	1.647

#1	105.3	30180.	107.5	736.5	194.9
#2	100.6	30180.	109.3	731.9	199.5

Elem	Be-LL	Ca-LL	Cd-LL	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	102.0	30100.	102.3	197.1	199.8
Stddev	.3	234.	.8	1.3	.9
%RSD	.3376	.7773	.8098	.6535	.4627

#1	102.3	29940.	102.9	198.1	200.4
#2	101.8	30270.	101.7	196.2	199.1

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/16/2010 10:21:48 Type: QC
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	197.0	30080.	30280.	30400.	192.8
Stddev	2.4	560.	98.	71.	3.2
%RSD	1.220	1.860	.3243	.2321	1.662

#1	198.7	30470.	30210.	30450.	195.0
#2	195.3	29680.	30350.	30350.	190.5

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	30400.	194.8	204.7	402.2
Stddev	.5	98.	.4	.9	4.3
%RSD	.2435	.3227	.2069	.4316	1.070

#1	202.6	30330.	195.1	205.3	399.2
#2	201.9	30470.	194.5	204.0	405.2

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/16/2010 10:21:48 Type: QC
 Method: 6010(v18) 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	311.2	108.5	1044.	208.2	302.8
Stddev	2	3	14.	.4	1.1
%RSD	.0678	.2789	1.379	.1785	.3560

#1	311.3	108.8	1055.	208.4	303.6
#2	311.0	108.3	1034.	207.9	302.1

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	410.8	107.5	202.5	205.8
Stddev	8.3	1.1	3.1	1.4
%RSD	2.010	1.009	1.509	.6629

#1	416.7	106.7	204.6	206.8
#2	405.0	108.3	200.3	204.9

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/16/2010 10:21:48 Type: QC
 Method: 6010(v18) 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	211.54	2284.2	2190.3	4145.7
Stddev	93	35.1	16.0	16.9
%RSD	.44000	1.5376	.73027	.40768

#1	212.20	2259.4	2179.0	4133.8
#2	210.88	2309.0	2201.6	4157.7

Sample Name: CCB Acquired: 3/16/2010 10:25:37 Type: QC
 Method: 6010(v18) 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	-6944	8.252	7.149	5.554	-3.100
Stddev	.6565	25.33	13.56	8.762	8.350
%RSD	94.54	314.2	189.7	157.7	269.4

#1 -2302 -10.08 -2.438 -6.412 2.805
 #2 -1.159 26.59 16.74 11.75 -9.004

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-2959	-76.15	1.348	-1.048	-4.730
Stddev	.4320	79.68	2.067	1.894	.7255
%RSD	146.0	104.6	153.4	180.7	153.4

#1 -6014 -132.5 -1.138 .2911 .0399
 #2 .0096 -19.81 2.809 -2.387 -9.860

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/16/2010 10:25:37 Type: QC
 Method: 6010(v18) 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	-1.474	-8.891	-71.13	13.28	-1.687
Stddev	.294	26.22	40.61	26.98	.1158
%RSD	19.97	2950.	57.09	203.1	68.61

#1 -1.682 17.65 -99.84 32.36 -.2506
 #2 -1.266 -19.43 -42.42 -5.797 -.0869

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.428	-27.37	-5.496	-11.73	-7.974
Stddev	1.378	33.75	10.48	15.87	9.243
%RSD	96.49	123.3	190.7	135.3	1159.

#1 -4537 -51.23 1.916 -5.110 5.739
 #2 -2.403 -3.507 -12.91 -22.95 -7.333

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/16/2010 10:25:37 Type: QC
 Method: 6010(v18) 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	5.021	8.838	5.170	2.823	-2.984
Stddev	9.509	12.17	1.958	4.544	.0223
%RSD	189.4	137.7	37.88	161.0	7.466

#1 -1.703 .2314 3.785 -.3907 -.2826
 #2 11.74 17.44 6.555 6.036 -.3141

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-0.5669	-4.441	-1.348	-5.285
Stddev	.3566	9.132	.016	.7527
%RSD	626.8	205.6	1.200	142.4

#1 .1952 2.016 -1.337 -1.061
 #2 -.3090 -10.90 -1.360 .0038

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/16/2010 10:25:37 Type: QC
 Method: 6010(v18) 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	201.48	2267.3	2124.0	4154.0
Stddev	21.29	77.1	131.9	46.2
%RSD	10.564	3.3995	6.2112	1.1126

#1 216.53 2321.8 2217.3 4186.6
 #2 186.43 2212.8 2030.7 4121.3

Sample Name: PBW031210B Acquired: 3/16/2010 10:29:26 Type: Unk
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-3219	43.36	-2002	-1.327	-13.52
Stddev	1.017	12.57	2.424	1.069	.28
%RSD	316.1	29.00	1211.	80.59	2.097

#1	-1.041	52.25	1.514	-5.707	-13.72
#2	.3976	34.47	-1.914	-2.083	-13.32

Elem	Be-LL	Ca-LL	Cd-LL	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	.0640	28.19	-2.994	.0922	.1416
Stddev	.0706	.81	.1484	.1049	.1312
%RSD	110.4	2.879	49.55	113.8	92.64

#1	.1140	27.62	-1.945	.0180	.0489
#2	.0141	28.76	-4.043	.1664	.2344

Check ? Value Range

Sample Name: PBW031210B Acquired: 3/16/2010 10:29:26 Type: Unk
 Method: 6010(v18) 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	-3.252	15.86	-67.14	37.00	-.0996
Stddev	.185	3.56	33.37	57.23	.0536
%RSD	5.679	22.45	49.71	154.7	53.88

#1	-3.121	13.34	-90.73	77.47	-.0616
#2	-3.382	18.38	-43.54	-3.468	-.1375

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	-1.931	-40.65	2.209	1.381	2.052
Stddev	.370	2.84	.401	.141	.152
%RSD	19.14	6.983	18.15	10.22	7.422

#1	-1.670	-38.64	2.492	1.281	1.944
#2	-2.192	-42.65	1.925	1.481	2.160

Check ? Value Range

Sample Name: PBW031210B Acquired: 3/16/2010 10:29:26 Type: Unk
 Method: 6010(v18) 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	1.996	-9.007	1.232	-1.814	-1.1453
Stddev	2.046	1.815	3.698	.090	.0822
%RSD	102.5	201.5	300.1	4.941	56.53

#1	3.442	.3829	3.847	-1.750	-0.872
#2	.5492	-2.184	-1.383	-1.877	-2.034

Check ? Value Range

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	-7.111	5.822	-7.162	-8.593
Stddev	1.654	.674	.4969	.1032
%RSD	232.6	11.58	69.38	12.01

#1	-1.880	5.345	-3.649	-9.323
#2	.4582	6.298	-1.068	-.7863

Check ? Value Range

Sample Name: PBW031210B Acquired: 3/16/2010 10:29:26 Type: Unk
 Method: 6010(v18) 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	218.89	2379.7	2275.0	4218.5
Stddev	3.57	1.9	8.1	115.7
%RSD	1.6291	.07883	.35486	2.7429

#1	221.41	2381.0	2280.7	4300.3
#2	216.37	2378.4	2269.3	4136.7

Sample Name: LCSW031210B Acquired: 3/16/2010 10:33:17 Type: Unk
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	481.4	48270.	1112.	478.2	473.4
Stddev	1.0	52.	1.	3.7	2.8
%RSD	.2001	.1082	.1223	.7714	.5922
#1	482.1	48310.	1111.	475.6	471.4
#2	480.7	48230.	1112.	480.9	475.4

Check ? Value Range
 None None None None None

Elem	Be-LL	Ca-LL	Cd-LL	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	490.5	48140.	507.6	470.5	475.2
Stddev	2.8	7.	1.1	.1	.5
%RSD	.5697	.0141	.2135	.0154	.1020
#1	492.5	48150.	508.3	470.5	475.5
#2	488.6	48140.	506.8	470.6	474.8

Check ? Value Range
 None None None None None

Sample Name: LCSW031210B Acquired: 3/16/2010 10:33:17 Type: Unk
 Method: 6010(v18) 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	490.1	48630.	48900.	46910.	460.4
Stddev	1.9	33.	27.	69.	.1
%RSD	.3829	.0671	.0548	.1474	.0209
#1	491.4	48650.	48880.	46960.	460.3
#2	488.8	48610.	48920.	46860.	460.4

Check ? Value Range
 None None None None None

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	1051.	47200.	463.8	1017.	973.0
Stddev	3.	.	3.0	1.	17.2
%RSD	.3034	.0010	.6427	.0532	1.765
#1	1049.	47200.	465.9	1017.	985.1
#2	1054.	47200.	461.7	1016.	960.8

Check ? Value Range
 None None None None None

Sample Name: LCSW031210B Acquired: 3/16/2010 10:33:17 Type: Unk
 Method: 6010(v18) 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	1897.	551.2	1120.	921.5	1442.
Stddev	10.	2.7	4.	2.2	27.
%RSD	.5522	.4876	.3455	.2415	1.880
#1	1890.	549.3	1117.	919.9	1461.
#2	1904.	553.1	1122.	923.1	1423.

Check ? Value Range
 None None None None None

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	1046.	570.2	501.7	496.0
Stddev	2.	3.7	2.0	.4
%RSD	.1466	.6564	.3918	.0861
#1	1047.	572.9	503.1	496.3
#2	1045.	567.6	500.3	495.7

Check ? Value Range
 None None None None

Sample Name: LCSW031210B Acquired: 3/16/2010 10:33:17 Type: Unk
 Method: 6010(v18) 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	205.79	2251.6	2158.2	4115.6
Stddev	2.92	14.5	2.2	18.8
%RSD	1.4166	.64453	.10282	.45690
#1	203.73	2261.9	2156.6	4102.3
#2	207.85	2241.3	2159.8	4128.9

J

Sample Name: 821989 Acquired: 3/16/2010 10:37:09 Type: Unk
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-HL	As-LL	B.-LL	Be-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	-3331	15770.	-1.520	75.19	55.26
Stddev	.8680	56.	.553	.93	18.65
%RSD	260.6	.3582	36.35	1.235	33.76

#1	.2806	15810.	-1.130	74.54	42.07
#2	-.9469	15730.	-1.911	75.85	68.45

Check ? Value Range
 None None None None None

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	2.247	17030.	1.159	43.96	11.61
Stddev	.286	7.	.258	.46	.16
%RSD	12.75	.0397	22.25	1.037	1.393

#1	2.045	17030.	.9764	44.28	11.72
#2	2.450	17020.	1.341	43.63	11.49

Check ? Value Range
 None None None None None

Sample Name: 821989 Acquired: 3/16/2010 10:37:09 Type: Unk
 Method: 6010(v18) 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	1.961	159.1	12630.	7253.	1137.
Stddev	.264	7.2	43.	20.	1.
%RSD	13.44	4.506	.3422	.2755	.1070

#1	2.148	164.2	12660.	7267.	1136.
#2	1.775	154.0	12600.	7239.	1138.

Check ? Value Range
 None None None None None

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	1.883	26870.	243.4	29.00	4.308
Stddev	.666	116.	1.3	1.49	2.399
%RSD	35.35	.4325	.5209	5.146	55.69

#1	2.354	26950.	242.5	27.95	6.004
#2	1.412	26790.	244.3	30.06	2.611

Check ? Value Range
 None None None None None

Sample Name: 821989 Acquired: 3/16/2010 10:37:09 Type: Unk
 Method: 6010(v18) 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	3.446	1.501	12730.	-2.593	84.28
Stddev	1.106	2.802	40.	1.227	.96
%RSD	32.11	186.7	.3108	47.32	1.142

#1	4.229	-.4806	12710.	-1.725	84.97
#2	2.664	3.483	12760.	-3.460	83.60

Check ? Value Range
 None None None None None

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	6.570	7.773	.4973	44.72
Stddev	.292	7.332	.4683	.31
%RSD	4.446	94.33	94.17	.6902

#1	6.776	12.96	.8284	44.50
#2	6.363	2.588	.1661	44.94

Check ? Value Range
 None None None None

Sample Name: 821989 Acquired: 3/16/2010 10:37:09 Type: Unk
 Method: 6010(v18) 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	215.72	2328.9	2250.7	4206.1
Stddev	1.07	15.5	1.6	27.1
%RSD	.49407	.66658	.07036	.64442

#1	216.47	2339.9	2249.6	4186.9
#2	214.97	2318.0	2251.9	4225.2

Sample Name: 821989L Acquired: 3/16/2010 10:41:00 Type: Unk
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	6467	3127	1.564	13.46	4.565
Stddev	6381	14	1.087	.97	4.211
%RSD	98.67	.4394	69.49	7.208	92.24
#1	1.098	3117	.7957	12.77	1.588
#2	.1955	3136	2.333	14.15	7.543

Check ? Value Range
 None None None None None

Elem	Be-LL	Ca-LL	Cd-LL	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	4067	3356	-.0626	8.477	2.690
Stddev	2648	12	.3380	.275	.414
%RSD	65.11	.3532	540.3	3.247	15.40

#1	5940	3365	-.3016	8.283	2.983
#2	2195	3348	.1765	8.672	2.397

Check ? Value Range
 None None None None None

Sample Name: 821989L Acquired: 3/16/2010 10:41:00 Type: Unk
 Method: 6010(v18) 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	-1.714	25.33	2856	1445	226.7
Stddev	.072	11.00	107	23	.2
%RSD	4.223	43.44	3.743	1.603	.0737
#1	-1.765	17.55	2931	1429	226.6
#2	-1.663	33.11	2780	1462	226.8

Check ? Value Range
 None None None None None

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	-1.343	5551	48.58	4.890	1.832
Stddev	.397	27	.65	.212	1.301
%RSD	29.57	.4788	1.340	4.337	71.04

#1	-1.623	5533	48.12	4.740	2.752
#2	-1.062	5570	49.04	5.040	.9115

Check ? Value Range
 None None None None None

Sample Name: 821989L Acquired: 3/16/2010 10:41:00 Type: Unk
 Method: 6010(v18) 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	2.120	3.527	2489	-.6358	16.56
Stddev	3.311	.554	4	2.168	.01
%RSD	156.2	15.71	.1466	341.0	.0871

#1	-.2214	3.135	2487	-2.169	16.57
#2	4.461	3.919	2492	.8973	16.55

Check ? Value Range
 None None None None None

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	.5837	3.223	.1856	9.187
Stddev	.4885	2.158	.4861	.104
%RSD	83.69	66.94	261.8	1.134

#1	.9292	1.698	.5293	9.113
#2	.2383	4.749	-.1581	9.260

Check ? Value Range
 None None None None

Sample Name: 821989L Acquired: 3/16/2010 10:41:00 Type: Unk
 Method: 6010(v18) 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	220.06	2355.5	2260.5	4293.6
Stddev	1.50	1.2	1.8	20.1
%RSD	.68046	.05246	.07965	.46907

#1	221.11	2356.3	2261.8	4307.8
#2	219.00	2354.6	2259.2	4279.3

Sample Name: CRI Acquired: 3/16/2010 10:44:51 Type: QC
 Method: 6010(v18) 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	8.909	242.1	7.774	F -1.879	197.5
Stddev	1.533	23.6	1.108	.141	6.8
%RSD	17.20	9.736	14.26	7.481	3.426

#1	9.993	225.5	8.558	-1.779	192.8
#2	7.826	258.8	6.991	-1.978	202.3

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	5.015	5520	5.051	49.52	10.52
Stddev	.145	53.	.340	.02	.06
%RSD	2.902	.9644	6.732	.0376	.5301

#1	4.912	5558.	5.292	49.51	10.48
#2	5.118	5483.	4.811	49.53	10.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Sample Name: CRI Acquired: 3/16/2010 10:44:51 Type: QC
 Method: 6010(v18) 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	21.20	F 96.07	5631.	5436.	15.19
Stddev	.19	1.36	1.	24.	.00
%RSD	.8794	1.415	.0131	.4422	.0272

#1	21.07	95.11	5632.	5453.	15.19
#2	21.33	97.03	5631.	5419.	15.19

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 -2.142	5489.	41.52	F -.0542	8.628
Stddev	.505	17.	1.76	1.465	1.262
%RSD	23.60	.3183	4.240	2704.	14.63

#1	-1.785	5501.	40.27	.9817	9.521
#2	-2.499	5476.	42.76	-1.090	7.736

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: 3/16/2010 10:44:51 Type: QC
 Method: 6010(v18) 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	62.38	35.81	F 6.779	F -1.115	F .0507
Stddev	.91	2.42	1.888	1.846	.0790
%RSD	1.455	6.762	27.85	165.6	155.7

#1	61.74	37.53	5.444	-2.420	.1066
#2	63.02	34.10	8.115	.1904	-.0051

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	F -.2018	27.45	49.68	61.62
Stddev	.1134	2.25	.67	.19
%RSD	56.19	8.186	1.355	.3066

#1	-.1216	25.86	50.16	61.75
#2	-.2819	29.04	49.21	61.48

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 3/16/2010 10:44:51 Type: QC
 Method: 6010(v18) 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	217.60	2357.3	2262.0	4291.1
Stddev	.95	8.3	10.6	2
%RSD	.43620	.35123	.46725	.00372

#1	218.27	2351.4	2254.5	4291.2
#2	216.92	2363.2	2269.4	4291.0

Sample Name: ICSA Acquired: 3/16/2010 10:48:41 Type: QC
 Method: 6010(v18) 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	-2.320	259800.	.4570	.2631	-6501
Stddev	.261	1295.	2.522	.6914	12.66
%RSD	11.23	.4986	551.8	262.8	1948.
#1	-2.136	258900.	-1.326	-.2258	-9.604
#2	-2.504	260700.	2.240	.7520	8.304

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-3.262	258200.	.9292	.9261	-6964
Stddev	.1824	1564.	.0420	.1559	6830
%RSD	55.93	.6057	4.518	16.83	98.07
#1	-.1972	257100.	.9589	1.036	-1.179
#2	-.4552	259300.	.8995	.8159	-.2135

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/16/2010 10:48:41 Type: QC
 Method: 6010(v18) 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	-2.439	104500.	113.2	254200.	-2.193
Stddev	1.512	1012.	38.4	1284.	.086
%RSD	61.97	.9685	33.87	.5051	3.939
#1	-3.508	103800.	86.11	253300.	-2.132
#2	-1.370	105200.	140.3	255100.	-2.255

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.047	37.16	-4.030	2.987	-4.353
Stddev	.109	35.56	1.223	251	5.042
%RSD	10.45	95.69	30.35	8.411	115.8
#1	-1.124	12.02	-3.165	3.165	-7.918
#2	-.9697	62.30	-4.895	2.809	-.7883

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/16/2010 10:48:41 Type: QC
 Method: 6010(v18) 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	2.321	-4.643	16.61	-.8103	2.528
Stddev	2.351	4.309	5.43	1.424	.070
%RSD	101.3	92.82	32.68	175.8	2.760
#1	.6585	-1.595	12.77	.1969	2.479
#2	3.983	-7.690	20.44	-1.817	2.578

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	6.216	6.978	-4.999	-5.482
Stddev	.151	1.227	1.367	.185
%RSD	2.428	17.59	27.36	3.367
#1	6.110	6.111	-4.032	-5.351
#2	6.323	7.846	-5.966	-5.612

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/16/2010 10:48:41 Type: QC
 Method: 6010(v18) 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	206.27	2235.1	2133.8	4100.8
Stddev	2.20	10.2	7.1	.6
%RSD	1.0651	.45681	.33345	.01344
#1	204.72	2242.3	2128.8	4100.5
#2	207.83	2227.9	2138.9	4101.2

Sample Name: ICSAB Acquired: 3/16/2010 10:52:32 Type: QC
 Method: 6010(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	209.4	259300.	F 108.9	F .1828	502.5
Stddev	.7	1172.	1.2	1.551	.4
%RSD	.3186	.4519	1.112	848.2	.0806
#1	209.8	260200.	108.1	-.9136	502.2
#2	208.9	258500.	109.8	1.279	502.8
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-LL	Cd-LL	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	520.1	257800.	1044.	499.9	507.3
Stddev	1.6	530.	1.	.6	1.4
%RSD	.3021	.2057	.0861	.1162	.2781
#1	521.2	258200.	1045.	499.5	508.3
#2	519.0	257400.	1043.	500.3	506.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 3/16/2010 10:52:32 Type: QC
 Method: 6010(v18) 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	549.0	F 104600.	-81.44	W 253100.	494.4
Stddev	.9	367.	127.8	456.	.4
%RSD	.1695	.3513	156.9	.1800	.0905
#1	549.7	104800.	8.935	253400.	494.7
#2	548.4	104300.	-171.8	252800.	494.1
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-LL	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 -2.835	-45.33	985.0	F 2.518	48.04
Stddev	.334	11.90	.1	.276	1.81
%RSD	11.78	26.26	.0119	10.97	3.771
#1	-3.071	-36.91	984.9	2.323	46.76
#2	-2.599	-53.75	985.1	2.713	49.32
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: 3/16/2010 10:52:32 Type: QC
 Method: 6010(v18) 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	635.2	50.16	12.55	-.9011	2.444
Stddev	4.1	1.30	2.87	.8633	.047
%RSD	.6487	2.589	22.86	95.81	1.923
#1	638.1	49.24	14.58	-1.512	2.477
#2	632.2	51.08	10.52	-.2907	2.411
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	F 5.925	106.1	515.5	1044.
Stddev	1.574	1.7	1.8	2.
%RSD	26.57	1.573	.3531	.1781
#1	4.811	107.3	516.8	1045.
#2	7.038	104.9	514.2	1042.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	600.0			
Low Limit	400.0			

Sample Name: ICSAB Acquired: 3/16/2010 10:52:32 Type: QC
 Method: 6010(v18) 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	208.03	2221.0	2132.9	4137.9
Stddev	.95	9.5	10.6	28.4
%RSD	.45457	.42912	.49612	.68674
#1	207.36	2214.2	2125.4	4117.8
#2	208.70	2227.7	2140.3	4158.0

Sample Name: CCV Acquired: 3/16/2010 10:56:20 Type: QC
 Method: 6010(v18) 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	105.1	30530.	108.0	736.6	193.0
Stddev	1.3	2.	2.0	2.7	6.6
%RSD	1.227	.0062	1.871	.3650	3.414
#1	106.0	30530.	109.5	734.7	197.7
#2	104.1	30540.	106.6	738.5	188.4

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	103.0	30640.	102.6	199.2	202.8
Stddev	.0	16.	.2	.3	.2
%RSD	.0481	.0521	.2349	.1353	.0784
#1	103.0	30620.	102.5	199.0	202.7
#2	103.0	30650.	102.8	199.4	203.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/16/2010 10:56:20 Type: QC
 Method: 6010(v18) 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	201.3	30770.	30630.	30760.	195.6
Stddev	1.4	11.	177.	64.	.1
%RSD	.7198	.0346	.5770	.2094	.0490
#1	200.3	30760.	30500.	30800.	195.6
#2	202.4	30770.	30750.	30710.	195.7

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	203.6	30790.	198.2	210.3	412.0
Stddev	.4	44.	.7	.0	1.3
%RSD	.1968	.1416	.3662	.0162	.3142
#1	203.3	30820.	197.6	210.4	411.1
#2	203.9	30760.	198.7	210.3	412.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/16/2010 10:56:20 Type: QC
 Method: 6010(v18) 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	314.6	105.0	1056.	211.0	306.0
Stddev	2.3	6.	1.	.2	2.5
%RSD	.7349	.6124	.1260	.0753	.8333
#1	316.3	104.6	1057.	210.8	307.8
#2	313.0	105.5	1055.	211.1	304.2

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	417.5	F 111.6	203.7	208.7
Stddev	1.2	1.0	.0	.4
%RSD	.2938	.8778	.0187	.1680
#1	418.4	112.3	203.8	208.4
#2	416.6	110.9	203.7	208.9

Check ? Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/16/2010 10:56:20 Type: QC
 Method: 6010(v18) 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	212.37	2302.7	2213.4	4183.8
Stddev	74	4.3	11.7	16.5
%RSD	.35063	.18852	.52668	.39353
#1	211.84	2305.8	2221.7	4172.2
#2	212.89	2299.7	2205.2	4195.5

Sample Name: CCB Acquired: 3/16/2010 11:00:09 Type: QC
 Method: 6010(v18) 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	-1.018	-11.44	-1.788	.2923	-3.922
Stddev	.817	13.69	.251	.9374	1.701
%RSD	80.30	119.7	14.05	320.7	43.36

#1	-4.399	-21.12	-1.966	.9552	-2.720
#2	-1.596	-1.760	-1.611	-.3705	-5.125

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	.1535	-2.629	-.4009	.0106	.0162
Stddev	.2126	20.16	.3545	.1025	.1352
%RSD	138.5	766.7	88.42	969.4	834.9

#1	.3038	-16.88	-.1502	.0830	-.0794
#2	.0031	11.63	-.6515	-.0619	-.1118

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/16/2010 11:00:09 Type: QC
 Method: 6010(v18) 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	-1.130	12.89	284.8	37.65	-.2002
Stddev	.969	2.21	37.4	56.40	.1262
%RSD	85.77	17.14	13.12	149.8	63.03

#1	-.4448	14.45	258.4	77.53	-.2894
#2	-1.816	11.33	311.2	-2.225	-.1110

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.044	9.451	.6817	1.539	-2.331
Stddev	.353	.877	.2851	.477	.091
%RSD	33.84	9.281	41.82	31.01	3.888

#1	-.7945	8.831	.4801	1.201	-2.267
#2	-1.294	10.07	.8833	1.876	-2.395

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/16/2010 11:00:09 Type: QC
 Method: 6010(v18) 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	4.656	1.548	2.795	-1.304	-.1765
Stddev	.830	2.218	3.723	1.633	.0685
%RSD	17.83	143.3	133.2	125.3	38.82

#1	4.069	3.116	5.427	-2.458	-.1280
#2	5.243	-.0204	.1627	-.1491	-.2249

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.188	2.826	-.9493	-.6236
Stddev	.506	2.719	.1514	.0198
%RSD	42.57	96.20	15.95	3.172

#1	-.8303	.9037	-.8422	-.6096
#2	-1.545	4.749	-1.056	-.6376

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/16/2010 11:00:09 Type: QC
 Method: 6010(v18) 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	216.79	2341.0	2246.9	4239.6
Stddev	.86	10.1	.9	18.0
%RSD	.39709	.43032	.04155	.42564

#1	217.40	2333.9	2247.6	4226.8
#2	216.18	2348.2	2246.3	4252.3



Mercury Analysis

TestAmerica Burlington

Runlog Review Report

Leeman Hydra AA (2)
Mercury ILM05. *34*

Analyzed by: ALS

Date: 3/15/2010

Reviewed by: *ALS*

Date: *3/15/10*

QC Review by: *Bor*

Date: *03/16/10*

QC use: Cal#:

Prep#

Inst#:

Seq Sample ID	Analysis Date	Time	DF	Matrix	Data File	Prep Batch	Analyst Comments
1. Std01Rep1	3/15/2010	14:17	1	WATER	031510AA.PRN		<i>Hg *</i>
2. Std02Rep1	3/15/2010	14:19	1	WATER	031510AA.PRN		
3. Std03Rep1	3/15/2010	14:21	1	WATER	031510AA.PRN		
4. Std04Rep1	3/15/2010	14:23	1	WATER	031510AA.PRN		
5. Std05Rep1	3/15/2010	14:25	1	WATER	031510AA.PRN		
6. Std06Rep1	3/15/2010	14:28	1	WATER	031510AA.PRN		
7. ICB1	3/15/2010	14:29	1	WATER	031510AA.PRN		
8. ICB1	3/15/2010	14:33	1	WATER	031510AA.PRN		
9. CRDL1	3/15/2010	14:34	1	WATER	031510AA.PRN		
10. CCV1	3/15/2010	14:36	1	WATER	031510AA.PRN		
11. CCB1	3/15/2010	14:39	1	WATER	031510AA.PRN		
12. PBW031510A	3/15/2010	14:41	1	WATER	031510AA.PRN	PBHW03151	
13. LCSW031510A	3/15/2010	14:43	1	WATER	031510AA.PRN	PBHW03151	
14. 821989	3/15/2010	14:45	1	WATER	031510AA.PRN	PBHW03151	
15. 821701	3/15/2010	14:47	1	WATER	031510AA.PRN	PBHW03151	
16. 822457	3/15/2010	14:49	1	WATER	031510AA.PRN	PBHW03151	
17. 822457MS	3/15/2010	14:51	1	WATER	031510AA.PRN	PBHW03151	
18. 822457DP	3/15/2010	14:53	1	WATER	031510AA.PRN	PBHW03151	
19. 822458	3/15/2010	14:55	1	WATER	031510AA.PRN	PBHW03151	
20. 822458MS	3/15/2010	14:57	1	WATER	031510AA.PRN	PBHW03151	
21. CCV2	3/15/2010	15:00	1	WATER	031510AA.PRN		
22. CCB2	3/15/2010	15:02	1	WATER	031510AA.PRN		
23. 822458DP	3/15/2010	15:04	1	WATER	031510AA.PRN	PBHW03151	
24. 822459	3/15/2010	15:07	1	WATER	031510AA.PRN	PBHW03151	
25. 822460	3/15/2010	15:09	1	WATER	031510AA.PRN	PBHW03151	
26. 822461	3/15/2010	15:11	1	WATER	031510AA.PRN	PBHW03151	
27. 822462	3/15/2010	15:13	1	WATER	031510AA.PRN	PBHW03151	
28. 822463	3/15/2010	15:15	1	WATER	031510AA.PRN	PBHW03151	
29. 822464	3/15/2010	15:17	1	WATER	031510AA.PRN	PBHW03151	
30. 822465	3/15/2010	15:19	1	WATER	031510AA.PRN	PBHW03151	
31. CRDL2	3/15/2010	15:21	1	WATER	031510AA.PRN		
32. CCV3	3/15/2010	15:23	1	WATER	031510AA.PRN		
33. CCB3	3/15/2010	15:25	1	WATER	031510AA.PRN		
34. 822466 <i>End Run</i>	3/15/2010	15:27	1	WATER	031510AA.PRN	PBHW03151	
35. 822467	3/15/2010	15:29	1	WATER	031510AA.PRN	PBHW03151	
36. 822468	3/15/2010	15:31	1	WATER	031510AA.PRN	PBHW03151	
37. 822469	3/15/2010	15:33	1	WATER	031510AA.PRN	PBHW03151	
38. 822470	3/15/2010	15:36	1	WATER	031510AA.PRN	PBHW03151	
39. 822472	3/15/2010	15:38	1	WATER	031510AA.PRN	PBHW03151	
40. 822473	3/15/2010	15:40	1	WATER	031510AA.PRN	PBHW03151	
41. 822474	3/15/2010	15:42	1	WATER	031510AA.PRN	PBHW03151	
42. 822475	3/15/2010	15:44	1	WATER	031510AA.PRN	PBHW03151	
43. CRDL3	3/15/2010	15:46	1	WATER	031510AA.PRN		
44. CCV4	3/15/2010	15:48	1	WATER	031510AA.PRN		
45. CCB4	3/15/2010	15:50	1	WATER	031510AA.PRN		

** BAA 03/16/10*

1

Analytical Review Report

Data File: 031510AA.PRN

Date Printed: 3/15/10

Truevalue List: HG_ILM05.4

Leeman Hydra AA (2)

Mercury ILM05.3

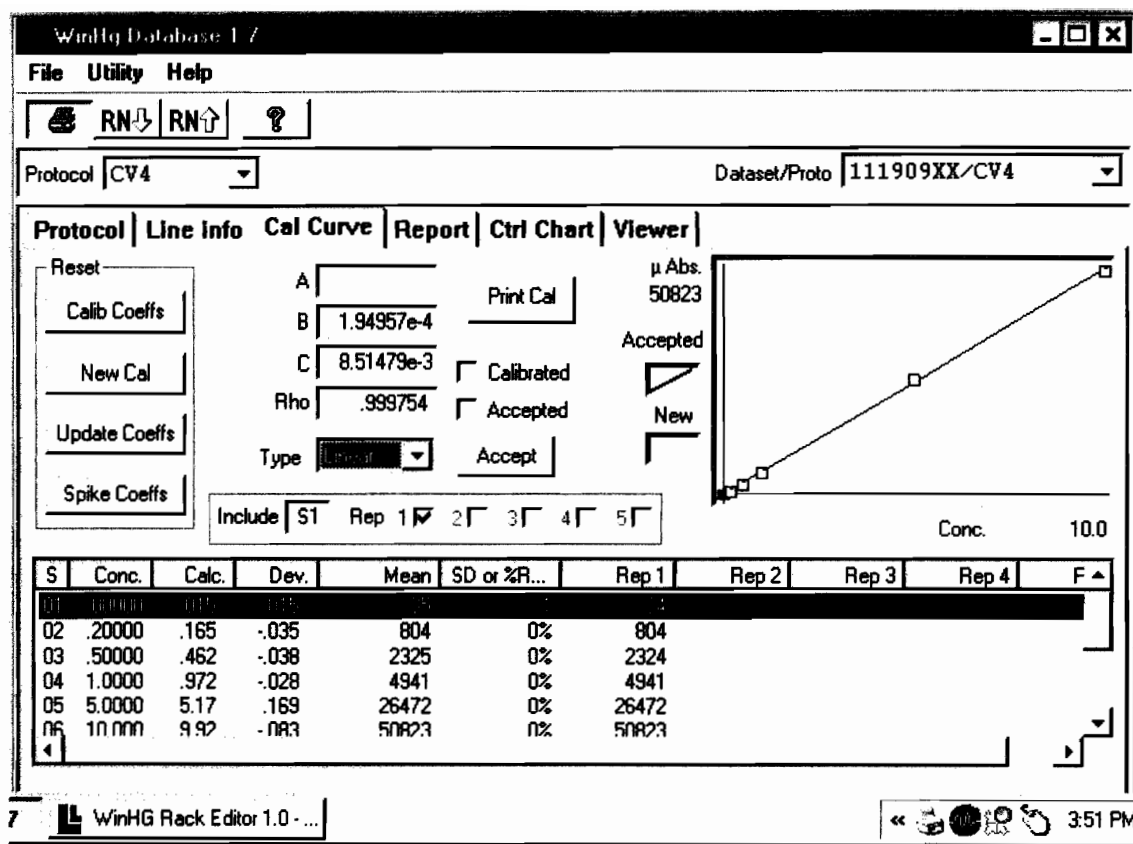
Analysis Start Date: 3/15/2010

Analysis End Date: 3/15/2010

Start Time: 14:17

End Time: 15:50

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	2.810	0.000	0.000	0.00	2.81	94.0 ✓	3.0	80	120
ICB1	1	PASS	0.000	0.000	0.000	0.00	0.000	✓			+/-0.20
CRDL1	1	PASS	0.221	0.000	0.000	0.00	0.22	110.0 ✓	0.2	70	130
CCV1	1	PASS	5.100	0.000	0.000	0.00	5.10	102.0 ✓	5.0	80	120
CCB1	1	PASS	-0.008	0.000	0.000	0.00	-0.008	✓			+/-0.20
CCV2	1	PASS	4.850	0.000	0.000	0.00	4.85	97.0 ✓	5.0	80	120
CCB2	1	PASS	-0.043	0.000	0.000	0.00	-0.043	✓			+/-0.20
CRDL2	1	PASS	0.246	0.000	0.000	0.00	0.25	125.0 ✓	0.2	70	130
CCV3	1	PASS	5.090	0.000	0.000	0.00	5.09	102.0 ✓	5.0	80	120
CCB3	1	PASS	-0.009	0.000	0.000	0.00	-0.009	✓			+/-0.20
CRDL3	1	PASS	0.258	0.000	0.000	0.00	0.26	130.0	0.2	70	130
CCV4	1	PASS	5.770	0.000	0.000	0.00	5.77	115.0	5.0	80	120
CCB4	1	PASS	-0.023	0.000	0.000	0.00	-0.023				+/-0.20
Quality Control and Field Samples											
PBW031510A	1	PASS	-0.009 ✓	0.000	0.000	0.00	-0.009	✓			+/-0.20
LCSW031510A	1	PASS	0.851 ✓	0.000	0.000	0.00	0.85	85.0 ✓	1.0	80.0	120.0
821989	1	PASS	-0.002 ✓	0.000	0.000	0.00	-0.0020				
821701	1	PASS	-0.024	0.000	0.000	0.00	-0.024				
822457	1	PASS	-0.010	0.000	0.000	0.00	-0.010				
822457MS	1	PASS	1.120	0.000	0.000	0.00	1.1200	112.0	1.00	75	125
822457DP	1	PASS	0.002	0.000	0.000	0.00	0.0020				
822458	1	PASS	0.008	0.000	0.000	0.00	0.0080				
822458MS	1	PASS	1.140	0.000	0.000	0.00	1.1400	114.0	1.00	75	125
822458DP	1	PASS	0.000	0.000	0.000	0.00	0.0000				
822459	1	PASS	0.016	0.000	0.000	0.00	0.016				
822460	1	PASS	0.023	0.000	0.000	0.00	0.023				
822461	1	PASS	-0.030	0.000	0.000	0.00	-0.030				
822462	1	PASS	-0.005	0.000	0.000	0.00	-0.0050				
822463	1	PASS	0.034	0.000	0.000	0.00	0.034				
822464	1	PASS	0.030	0.000	0.000	0.00	0.030				
822465	1	PASS	0.019	0.000	0.000	0.00	0.019				
822466	1	PASS	0.034	0.000	0.000	0.00	0.034				
822467	1	PASS	0.022	0.000	0.000	0.00	0.022				
822468	1	PASS	0.022	0.000	0.000	0.00	0.022				
822469	1	PASS	0.030	0.000	0.000	0.00	0.030				
822470	1	PASS	0.009	0.000	0.000	0.00	0.0090				
822472	1	PASS	0.028	0.000	0.000	0.00	0.028				
822473	1	PASS	0.043	0.000	0.000	0.00	0.043				
822474	1	PASS	0.026	0.000	0.000	0.00	0.026				
822475	1	PASS	0.015	0.000	0.000	0.00	0.015				



14:17:37 15 Mar 2010

Folder: 111909XX
Protocol: CV4

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 2818		14:17:37 15 Mar 10		HG
Hg	.000	ppb	34					
*** Standard: 2 Rep: 1				Seq: 2819		14:19:31 15 Mar 10		HG
Hg	.200	ppb	804					
*** Standard: 3 Rep: 1				Seq: 2820		14:21:38 15 Mar 10		HG
Hg	.500	ppb	2324					
*** Standard: 4 Rep: 1				Seq: 2821		14:23:57 15 Mar 10		HG
Hg	1.00	ppb	4941					
*** Standard: 5 Rep: 1				Seq: 2822		14:25:53 15 Mar 10		HG
Hg	5.00	ppb	26472					
*** Standard: 6 Rep: 1				Seq: 2823		14:28:00 15 Mar 10		HG
Hg	10.0	ppb	50823					
*** Sample ID: ICV			031510DD	Seq: 2824		14:29:54 15 Mar 10		HG
Hg	2.81	ppb	14385					
*** Sample ID: ICB			031510DD	Seq: 2825		14:33:02 15 Mar 10		HG
Hg	-.000	ppb	-44					
*** Sample ID: CRI			031510DD	Seq: 2826		14:34:54 15 Mar 10		HG
Hg	.221	ppb	1090					
*** Sample ID: CCV			031510DD	Seq: 2827		14:36:59 15 Mar 10		HG
Hg	5.10	ppb	26108					
*** Sample ID: CCB			031510DD	Seq: 2828		14:39:17 15 Mar 10		HG
Hg	-.008	ppb	-86					
*** Sample ID: PBW031510A			031510DD	Seq: 2829		14:41:13 15 Mar 10		HG
Hg	-.009	ppb	-91					

14:43:11 15 Mar 2010

Folder: 111909XX
Protocol: CV4

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: LCSW031510	031510DD	Seq: 2830	14:43:11 15 Mar 10	HG				
Hg	.851	ppb	4322					
*** Sample ID: 821989	031510DD	Seq: 2831	14:45:04 15 Mar 10	HG				
Hg	-.002	ppb	-55					
*** Sample ID: 821701	031510DD	Seq: 2832	14:47:08 15 Mar 10	HG				
Hg	-.024	ppb	-167					
*** Sample ID: 822457	031510DD	Seq: 2833	14:49:27 15 Mar 10	HG				
Hg	-.010	ppb	-96					
*** Sample ID: 822457MS	031510DD	Seq: 2834	14:51:31 15 Mar 10	HG				
Hg	1.12	ppb	5691					
*** Sample ID: 822457DP	031510DD	Seq: 2835	14:53:35 15 Mar 10	HG				
Hg	.002	ppb	-34					
*** Sample ID: 822458	031510DD	Seq: 2836	14:55:31 15 Mar 10	HG				
Hg	.008	ppb	-2					
*** Sample ID: 822458MS	031510DD	Seq: 2837	14:57:50 15 Mar 10	HG				
Hg	1.14	ppb	5827					
*** Sample ID: CCV	031510DD	Seq: 2838	15:00:23 15 Mar 10	HG				
Hg	4.85	ppb	24821					
*** Sample ID: CCB	031510DD	Seq: 2839	15:02:18 15 Mar 10	HG				
Hg	-.043	ppb	-266					
*** Sample ID: 822458DP	031510DD	Seq: 2840	15:04:34 15 Mar 10	HG				
Hg	-.000	ppb	-45					
*** Sample ID: 822459	031510DD	Seq: 2841	15:07:09 15 Mar 10	HG				
Hg	.016	ppb	39					

15:09:15 15 Mar 2010

Folder: 111909XX
Protocol: CV4

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 822460			031510DD	Seq: 2842	15:09:15 15 Mar 10	HG		
Hg	.023	ppb	72					
*** Sample ID: 822461			031510DD	Seq: 2843	15:11:14 15 Mar 10	HG		
Hg	-.030	ppb	-197					
*** Sample ID: 822462			031510DD	Seq: 2844	15:13:14 15 Mar 10	HG		
Hg	-.005	ppb	-68					
*** Sample ID: 822463			031510DD	Seq: 2845	15:15:10 15 Mar 10	HG		
Hg	.034	ppb	131					
*** Sample ID: 822464			031510DD	Seq: 2846	15:17:05 15 Mar 10	HG		
Hg	.030	ppb	112					
*** Sample ID: 822465			031510DD	Seq: 2847	15:19:39 15 Mar 10	HG		
Hg	.019	ppb	53					
*** Sample ID: CRI			031510DD	Seq: 2848	15:21:32 15 Mar 10	HG		
Hg	.246	ppb	1216					
*** Sample ID: CCV			031510DD	Seq: 2849	15:23:27 15 Mar 10	HG		
Hg	5.09	ppb	26076					
*** Sample ID: CCB			031510DD	Seq: 2850	15:25:34 15 Mar 10	HG		
Hg	-.009	ppb	-89					
*** Sample ID: 822466			031510DD	Seq: 2851	15:27:28 15 Mar 10	HG		
Hg	.034	ppb	129					
*** Sample ID: 822467			031510DD	Seq: 2852	15:29:22 15 Mar 10	HG		
Hg	.022	ppb	68					
*** Sample ID: 822468			031510DD	Seq: 2853	15:31:20 15 Mar 10	HG		
Hg	.022	ppb	70					

15:33:39 15 Mar 2010

Folder: 111909XX
Protocol: CV4

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 822469			031510DD	Seq: 2854	15:33:39 15 Mar 10	HG		
Hg	.030	ppb	109					
*** Sample ID: 822470			031510DD	Seq: 2855	15:36:17 15 Mar 10	HG		
Hg	.009	ppb	4					
*** Sample ID: 822472			031510DD	Seq: 2856	15:38:33 15 Mar 10	HG		
Hg	.028	ppb	101					
*** Sample ID: 822473			031510DD	Seq: 2857	15:40:32 15 Mar 10	HG		
Hg	.043	ppb	175					
*** Sample ID: 822474			031510DD	Seq: 2858	15:42:57 15 Mar 10	HG		
Hg	.026	ppb	88					
*** Sample ID: 822475			031510DD	Seq: 2859	15:44:56 15 Mar 10	HG		
Hg	.015	ppb	32					
*** Sample ID: CRI			031510DD	Seq: 2860	15:46:50 15 Mar 10	HG		
Hg	.258	ppb	1281					
*** Sample ID: CCV			031510DD	Seq: 2861	15:48:47 15 Mar 10	HG		
Hg	5.77	ppb	29550					
*** Sample ID: CCB			031510DD	Seq: 2862	15:50:44 15 Mar 10	HG		
Hg	-.023	ppb	-160					



Sample Preparation – Metals

136246

Batch Information:			Method Information:			Reagent & Standard Traceability:			
Date:	3/12/10		ILM04.1	ILM05.4		HCl Tag ID:	N/A	LCS Lot #	ME LCS 6600002
Start Time:	14:15		3005AES	3005MS	3010MS	HNO ₃ Tag ID	↓	mL Spike Added	50.0
Stop Time:	2:05		3050AES	3050MS	200.7	1:1 HCl Lot #	ME HCl 466-00001	True Value	See SOP
Analyst:	ALS		TIMS	CEC	SAR	1:1 HNO ₃ Lot #	ME 1:1 HNO ₃ -000003	MS Lot #:	N/A
Spike Analyst:	N/A		Matrix:			30% H ₂ O ₂ Lot #	N/A	Spike Added	
Spike Witness:	↓		Soil	Water	Tissue	2% HNO ₃ Lot #	↓	True Value	

[illegible]

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 95 °C Block 2 — °C Block 3 — °C Block 4 — °C Block 5 — °C Block 6 — °C Block 7 — °C Block 8 — °C

BR-FME002:04.02.08:7

TestAmerica

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SAMPLE PREPARATION LOG MERCURY

136246, FMP065, 136306

Identify Method: ILM04.1 ILM05.4 6009 EPA 245.1 SW-846 7470A SW-846 7471A
Identify Matrix: Soil Water Air Other

Date: 3/15/10
Analyst: ALS

SAMPLE PREPARATION:

Block ID: 113315/10
Initial Temperature: 95
Start Time: 9.00
Stop Time: 11.45
Final Temperature: 95
MS Spike Analyst: ALS
MS Spike Witness: N/A
mL added: .5

CAL / CCV / MS (100 ug/L)
Lot Number: ME H6-CCVw-00061

LCS
Tag ID: ME H6-CCVw-00061
Concentration Range: N/A mg/kg

ICV (30 ug/L)
Lot Number: ME H6-ICVw-00005

Nitric Acid
Lot Number: H10040

Sulfuric Acid
Lot Number: ME Sulfuric-00002

Aqua Regia (SW-846 7471A Only)
Lot Number: N/A

Potassium Permanganate
Lot Number: ME 570K Perm-00004

Potassium Persulfate
Lot Number: ME 570K Pers-00001

Hydroxylamine Hydrochloride
Lot Number: ME H6-HxHCl-00003

Stannous Chloride
Lot Number: ME 1090SnCl2-00003

¹CRI 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	0.10	50
4	CCV:1	CCV (5 ug/L)	2.5 mL	50 mL
5	CCB:1			
6		PBW031510A	5.0	5.0
7		LCSW031510A		
8		8221989		
9		8221701		
10		8222457		
11		8222457MB		
12		8222457DP		
13		8222458		
14		8222458MS		
15	CCV:2			
16	CCB:2			
17		8222458DP		
18		8222459		
19		8222460		
20		8222461		
21		8222462		
22		8222463		
23		8222464		
24		8222465		
25		8222466		
26	CCV:3			
27	CCB:3			
28		8222467		
29		8222468		
30		8222469		
31		8222470		
32		8222472		
33		8222473		
34		8222474		
35		8222475		
36				
37	CCV:4			
38	CCB:4			
39				
40				
41				
42				
43				
44				

STANDARD TRACEABILITY RECORDS		
IGP-OES Instrument		
Date: 03/15/10		
Sequence ID	Analyst	Analytical Method
031510-01	BAA	☒ 6010 / 200.7 ☐ ILM05.4
031510-02		☐ 6010 / 200.7 ☒ ILM05.4
031510-03		☐ 6010 / 200.7 ☒ ILM05.4
		☐ 6010 / 200.7 ☐ ILM05.4
		☐ 6010 / 200.7 ☐ ILM05.4
		☐ 6010 / 200.7 ☐ ILM05.4
Standard Name	Lot Number	
Used for all methods:		
STD 7:	MESTD7w 00008	
STD 8:	MESTD8w 00006	
STD 4:	MESTD4w 00010	
ICV:	MEICVw 00002	
CCV:	MECCV 00009	
STD0/ICB/CCB/5%2% Rinse & Dilution:	ME562% Rinsew 00009	
Internal Standard Solution:	MEICPTISw 00005	
Used for methods 6010 & 200.7		
ICSA 6010:	ME6010TCSAw 00002	
ICSAB 6010:	METCPOESTCSAB 00003	
CRI 6010:	ME6010CRIw 00004	
DOD LRV Solution:	—	
6010 Post Spiking Solution:	—	
5 PPM AG:	—	
Used for method ILM05.4		
CRI ILM05.4:	MES.4AGSCR/w 00003	
ICSA ILM05.4:	MES.4ICSAw 00003	
ICSAB ILM05.4:	MES.4ICSABw 00003	
Comments:		

[illegible]



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: STLIV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKNY	101	104	78	97	97	102	103
02	MW-04DL	98	98	75	94	96	98	102
03	MW-04	93	97	74	94	94	98	100
04	VIBLKNJ	92	97	73	90	94	96	104
05	VHBLK01	94	99	75	92	99	99	101
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07								
08								
09								
10								
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27								
28								
29								
30								

VDMC1 (VCL) = Vinyl chloride-d3
VDMC2 (CLA) = Chloroethane-d5
VDMC3 (DCE) = 1,1-Dichloroethene-d2
VDMC4 (BUT) = 2-Butanone-d5
VDMC5 (CLF) = Chloroform-d
VDMC6 (DCA) = 1,2-Dichloroethane-d4
VDMC7 (BEN) = Benzene-d6

QC LIMITS
(65-131)
(71-131)
(55-104)
(49-155)
(78-121)
(78-129)
(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits
Page 1 of 2

SOM01.2

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.: 136246

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (TCA) #	VDMC13 (DCZ) #	VDMC14 () #	TOT OUT
01	VLKNY	106	100	100	100	99	104		0
02	MW-04DL	103	100	98	100	97	101		0
03	MW-04	93	97	97	101	95	101		0
04	VIBLKNJ	106	101	99	101	98	102		0
05	VHBLK01	103	99	97	99	97	101		0
06									
07									
08									
09									
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29									
30									

VDMC8 (DPA) = 1,2-Dichloropropane-d6
VDMC9 (TOL) = Toluene-d8
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4
VDMC11 (HEX) = 2-Hexanone-d5
VDMC12 (TCA) = 1,1,2,2-Tetrachloroethane-d2
VDMC13 (DCZ) = 1,2-Dichlorobenzene-d4

QC LIMITS
(79-124)
(77-121)
(73-121)
(28-135)
(73-125)
(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
Page 2 of 2

SOM01.2

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VLKNY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Lab File ID: NZXB01H

Lab Sample ID: VLKNY

Instrument ID: N.i

Matrix: (SOIL/SED/WATER) Water

Date Analyzed: 03/11/2010

Level: (TRACE or LOW/MED) TRACE

Time Analyzed: 2101

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	MW-04DL	821987D1	821987D	2148
02	MW-04	821987	821987D2	0103
03	VIBLKJ	VIBLKJ	NZXB03H	0143
04	VHBLK01	821999	821999	0419
05				
06				
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COMMENTS:

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBNO

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Lab File ID: NZX01PV

BFB Injection Date: 03/01/2010

Instrument ID: N.i

BFB Injection Time: 1409

GC Column: DB-624

ID: 0.53

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 80.0% of mass 95	42.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	67.9
175	5.0 - 9.0% of mass 174	5.2 (7.6)1
176	95.0 - 101.0% of mass 174	67.7 (99.8)1
177	5.0 - 9.0% of mass 176	4.5 (6.6)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	VSTD0.5NO	VSTD0.5NO	NZX005V	03/01/2010	1510
02	VSTD001NO	VSTD001NO	NZX01V	03/01/2010	1543
03	VSTD005NO	VSTD005NO	NZX05V	03/01/2010	1615
04	VSTD010NO	VSTD010NO	NZX10V	03/01/2010	1648
05	VSTD020NO	VSTD020NO	NZX20V	03/01/2010	1721
06					
07					
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09					
10					
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.

BFBNY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Lab File ID: NZX09PV

BFB Injection Date: 03/11/2010

Instrument ID: N.i

BFB Injection Time: 1951

GC Column: DB-624

ID: 0.53

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 80.0% of mass 95	40.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	69.3
175	5.0 - 9.0% of mass 174	5.3 (7.6)1
176	95.0 - 101.0% of mass 174	68.6 (99.0)1
177	5.0 - 9.0% of mass 176	4.4 (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	VSTD005NY	VSTD005NY	NZX005HV	03/11/2010	2019
02	VBLKNY	VBLKNY	NZXB01H	03/11/2010	2101
03	MW-04DL	821987D1	821987D	03/11/2010	2148
04	MW-04	821987	821987D2	03/12/2010	0103
05	VIBLKNJ	VIBLKNJ	NZXB03H	03/12/2010	0143
06	VHBLK01	821999	821999	03/12/2010	0419
07	VSTD005YN	VSTD005YN	NZX05HC1	03/12/2010	0458
08					
09					
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12					
13					
14					
15					
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17					
18					
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.: 136246
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 03/01/2010 03/01/2010
EPA Sample No. (VSTD####): VSTD005NY Date Analyzed: 03/11/2010
Lab File ID (Standard): NZX005HV Time Analyzed: 2019
Instrument ID: N.i Heated Purge: (Y/N) N

	IS1 (CBZ)	RT #	IS2 (DFB)	RT #	IS3 (DCB)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	2052683	12.72	1612041	9.00	1153048	15.50
UPPER LIMIT	2873756	13.05	2256857	9.34	1614267	15.83
LOWER LIMIT	1231610	12.39	967225	8.67	691829	15.16
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKNY	2058048	12.72	1578251	9.00	1093658	15.50
02 MW-04DL	2012895	12.72	1569537	9.00	1081920	15.50
03 MW-04	1984713	12.72	1535980	9.01	1046089	15.51
04 VIBLKNJ	1974096	12.72	1597634	9.01	1067924	15.51
05 VHBLK01	1944253	12.72	1505568	9.01	1031788	15.51
06						
07						
08						
09						
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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
Page 1 of 1

SOM01.2



Supportive Documentation – SOM01.2 Volatiles – Trace

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821987

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821987D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/06/2010

% Moisture: not dec.

Date Analyzed: 03/12/2010

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

Dilution Factor: 5.0

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	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	20	JB
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	2.5	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	1.3	J
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	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.

MW-04

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821987

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821987D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/06/2010

% Moisture: not dec.

Date Analyzed: 03/12/2010

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

Dilution Factor: 5.0

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	660	E
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	4.3	
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136246
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 821987
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 821987D2
Level: (TRACE or LOW/MED) TRACE Date Received: 03/06/2010
% Moisture: not dec. Date Analyzed: 03/12/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0
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	=====	=====	=====	=====	=====
02		Unknown	10.53	28	JXB
03					
04					
05					
06					
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11					
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14					
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16					
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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/N.i/Nsvr.p/nzxhsmtr.b/821987d2.d

Date: 12-MAR-2010 01:03

Client ID: MM-04

Sample Info: MM-04 : [103/05/10 @1230(WATER)]

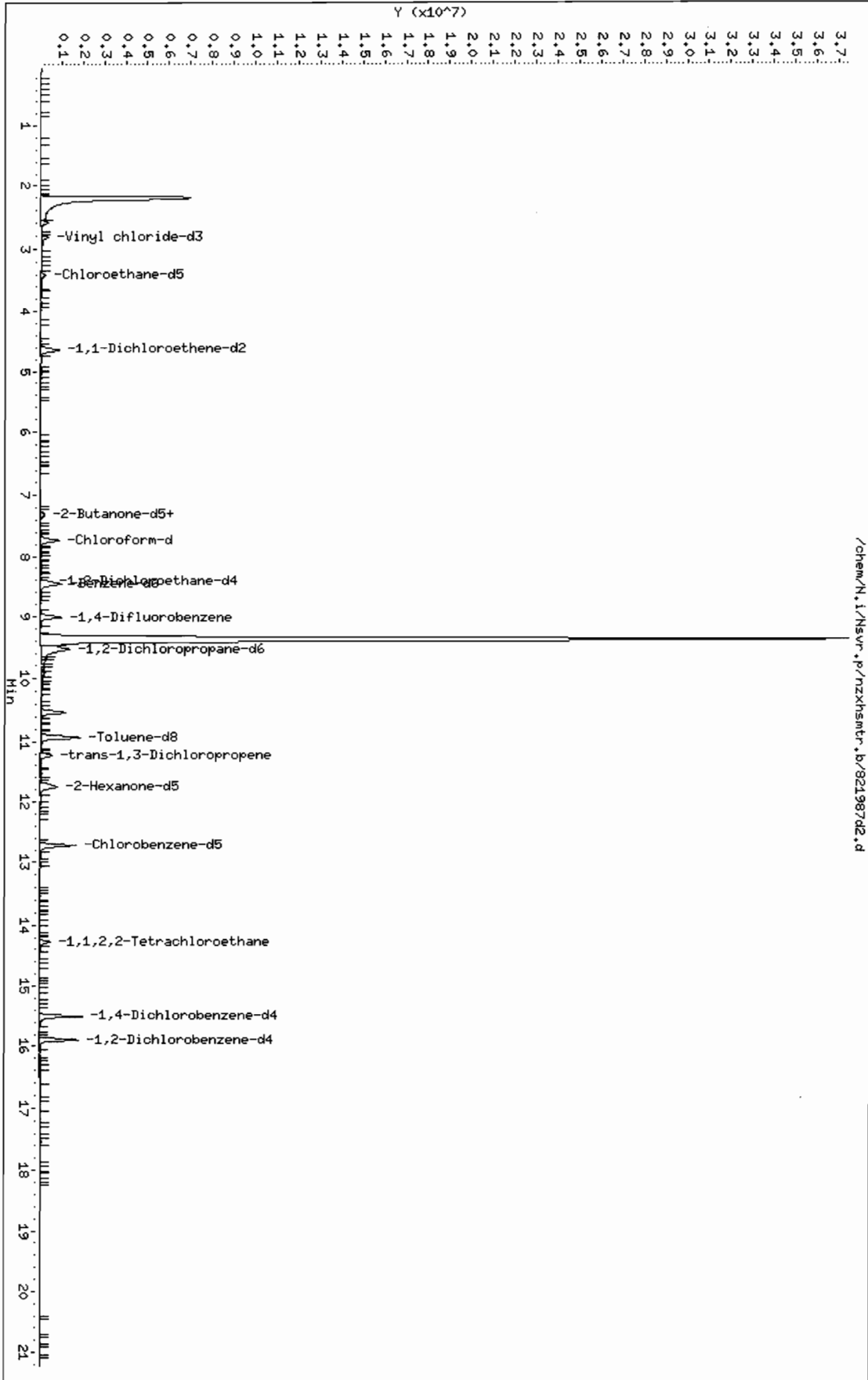
Purge Volume: 25.0

Column phase: DB-624

Instrument: N.i

Operator: JP1

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d2.d
Lab Smp Id: 821987 Client Smp ID: MW-04
Inj Date : 12-MAR-2010 01:03
Operator : JP1 Inst ID: N.i
Smp Info : MW-04 : [] 03/05/10 @1230 (WATER)
Misc Info : 821987,031110NY,5,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jdl Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.d
Als bottle: 6
Dil Factor: 5.00000
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	5.00000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.818	2.816	(0.313)	739919	4.64265	4.6
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.401	3.400	(0.377)	587570	4.82576	4.8
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.646	4.635	(0.515)	1319674	3.69839	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	4.765	4.763	(0.529)	18702	3.98555	20(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	7.295	7.294	(0.809)	417230	47.0046	47
20 cis-1,2-Dichloroethene	96	7.324	7.323	(0.812)	36601	0.25618	1.3(a)
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	7.730	7.729	(0.857)	1386859	4.67533	4.7(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.421	8.420	(0.934)	336102	4.90107	4.9
\$ 29 Benzene-d6	84	8.461	8.450	(0.665)	1599176	4.97956	5.0
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.014	9.003	(1.000)	1535980	5.00000	
33 Trichloroethene	95	9.370	9.359	(0.737)	26317717	132.765	660(A)
\$ 34 1,2-Dichloropropane-d6	67	9.538	9.527	(0.750)	886731	4.67255	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	10.932	10.921	(0.859)	2408659	4.82598	4.8
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.228	11.227	(0.883)	637799	4.84068	4.8
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	164	11.723	11.712	(0.922)	190926	0.86921	4.3
\$ 46 2-Hexanone-d5	63	11.762	11.751	(0.925)	595720	50.3056	50
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	12.721	12.720	(1.000)	1984713	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.263	14.261	(1.121)	543398	4.75194	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	15.508	15.497	(1.000)	1046089	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.893	15.882	(1.025)	869572	5.03825	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d2.d
Report Date: 21-Mar-2010 11:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d2.d
Lab Smp Id: 821987 Client Smp ID: MW-04
Inj Date : 12-MAR-2010 01:03
Operator : JP1 Inst ID: N.i
Smp Info : MW-04 : [] 03/05/10 @1230 (WATER)
Misc Info : 821987,031110NY,5,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jdl Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.d
Als bottle: 6
Dil Factor: 5.00000
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	5.00000	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	9.014	3521532	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
10.527	3954151	5.61424740	28	0		0	32

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d2.d

Page 6

Date : 12-MAR-2010 01:03

Client ID: MW-04

Instrument: N.i

Sample Info: MW-04 :[103/05/10 01230(WATER)

Purge Volume: 25.0

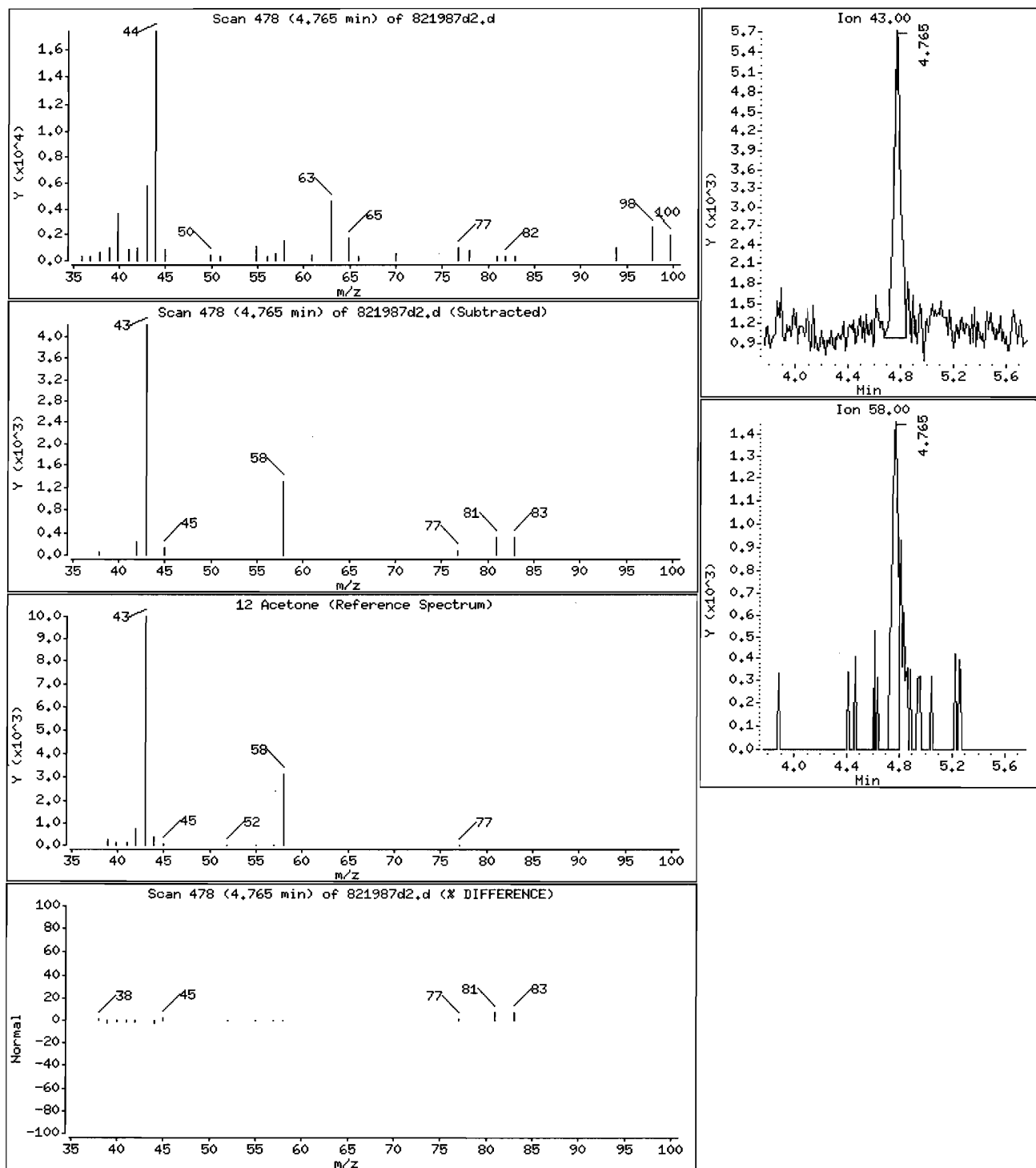
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 20 ug/L



Data File: /chem/N.i/Nsvr,p/nzxhsmtr,b/821987d2.d

Page 7

Date : 12-MAR-2010 01:03

Client ID: MW-04

Instrument: N.i

Sample Info: MW-04 :I 103/05/10 @1230(WATER)

Purge Volume: 25.0

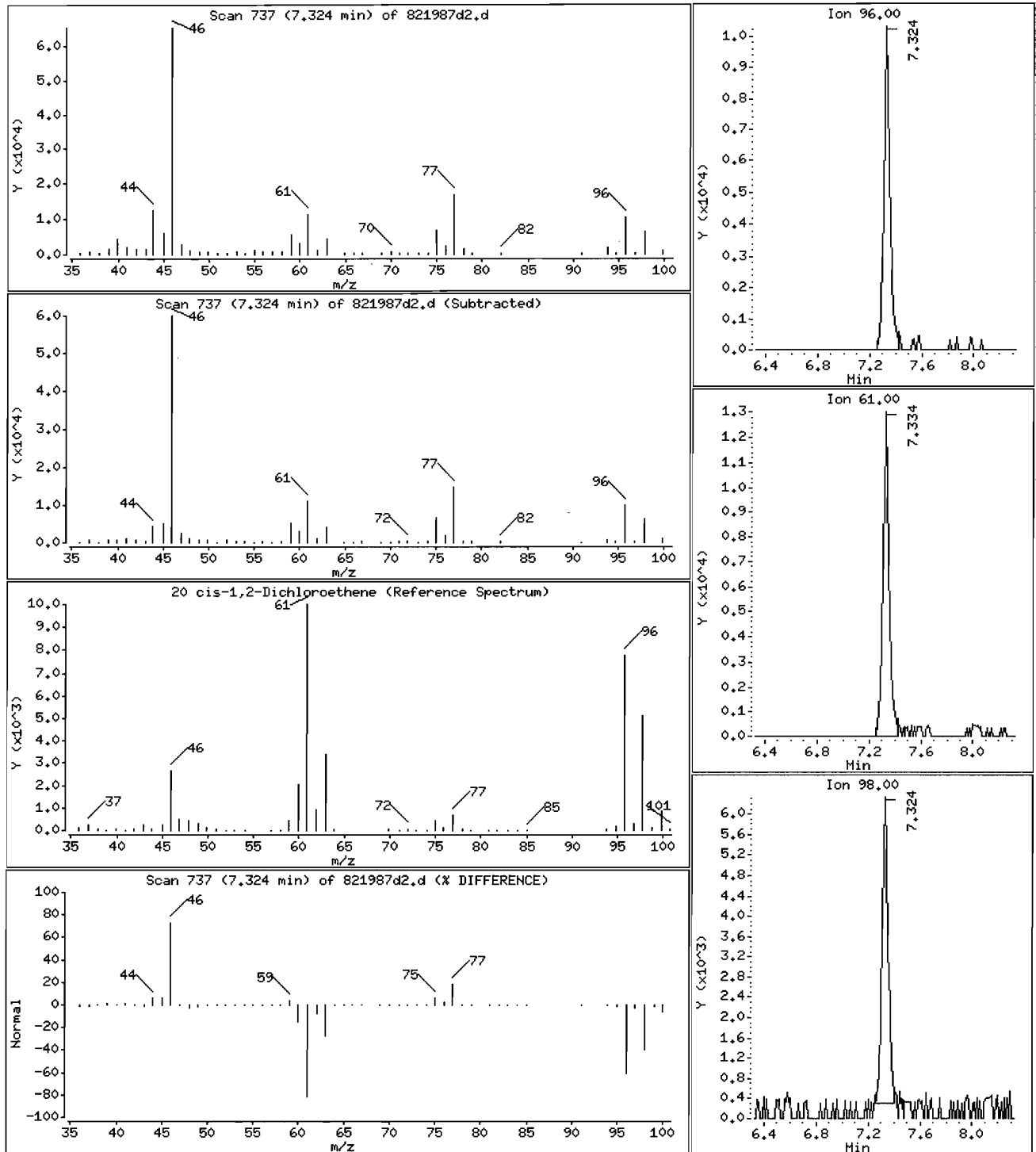
Operator: JP1

Column phase: DB-624

Column diameter: 0,53

20 cis-1,2-Dichloroethene

Concentration: 1.3 ug/L



Data File: /chem/N.i/Nsvr,p/nzxhsmtr,b/821987d2.d

Page 8

Date : 12-MAR-2010 01:03

Client ID: MW-04

Instrument: N.i

Sample Info: MW-04 :[103/05/10 @1230(WATER)

Purge Volume: 25.0

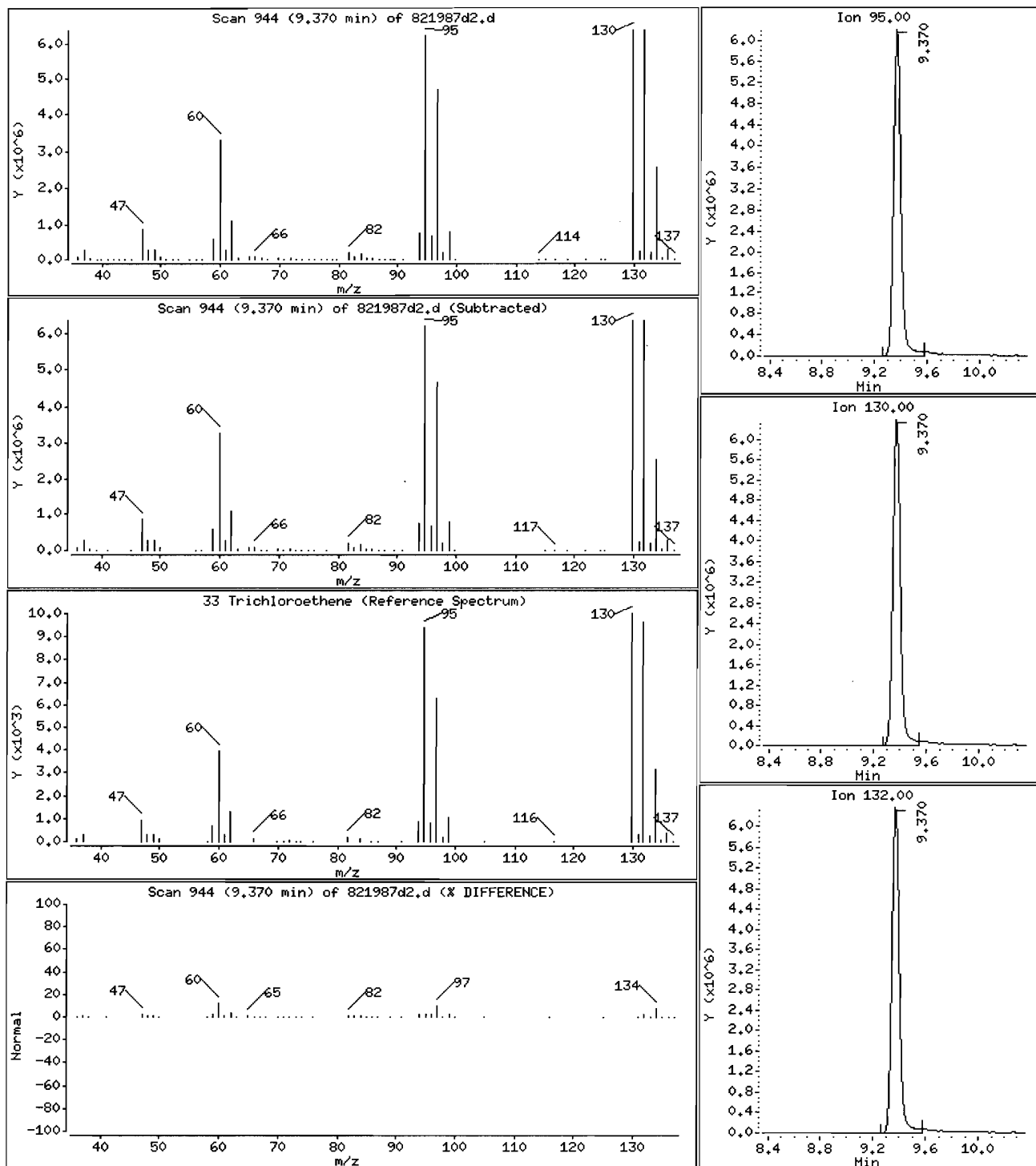
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 660 ug/L



Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d2.d

Page 9

Date : 12-MAR-2010 01:03

Client ID: MW-04

Instrument: N.i

Sample Info: MW-04 :[103/05/10 @1230(WATER)

Purge Volume: 25.0

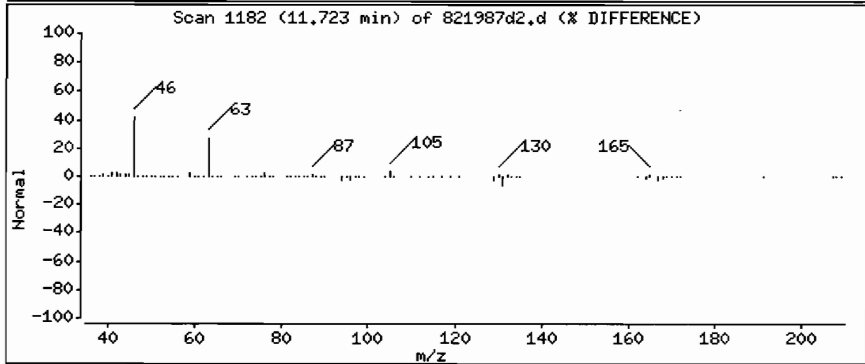
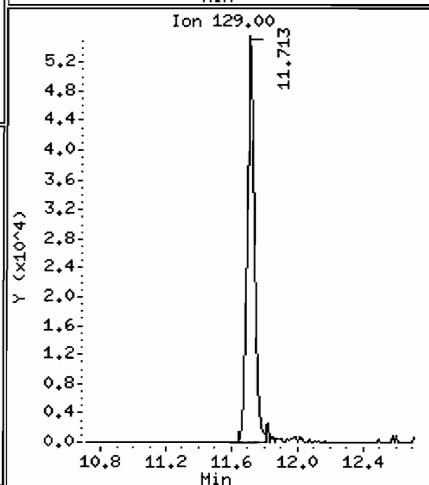
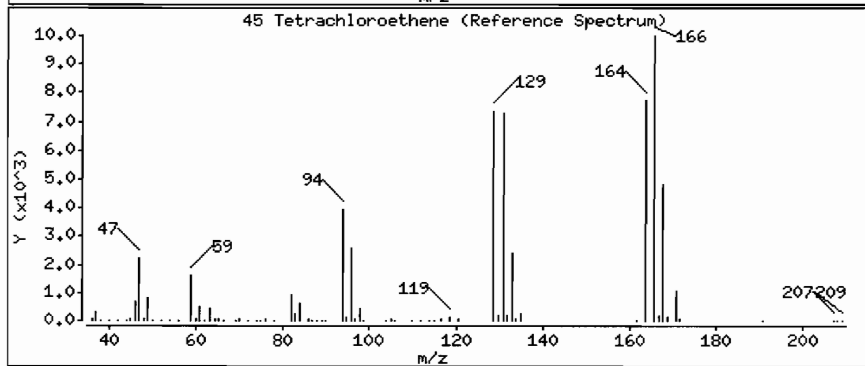
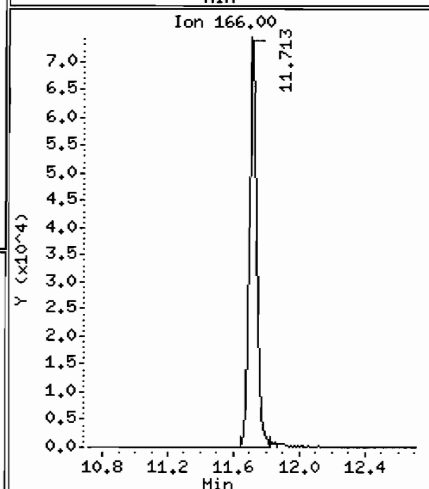
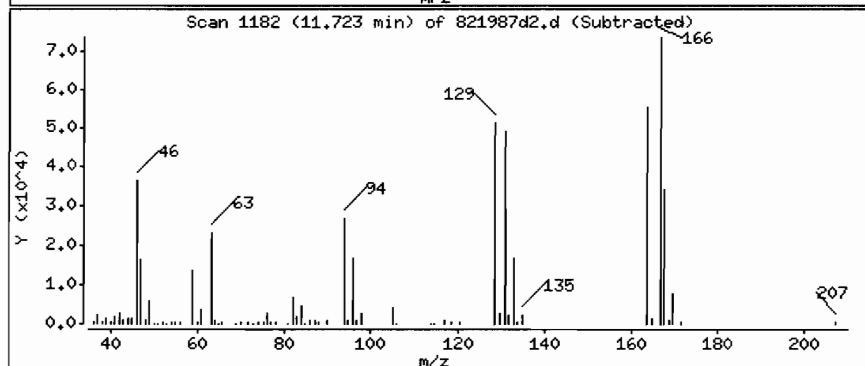
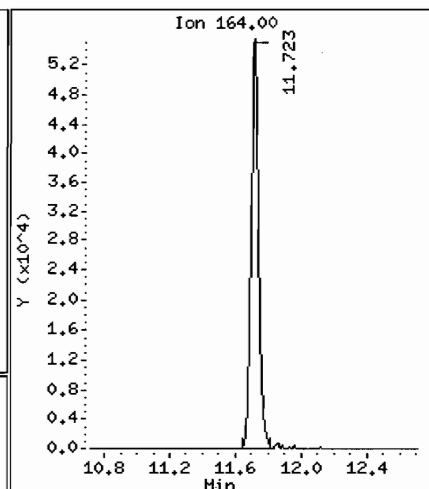
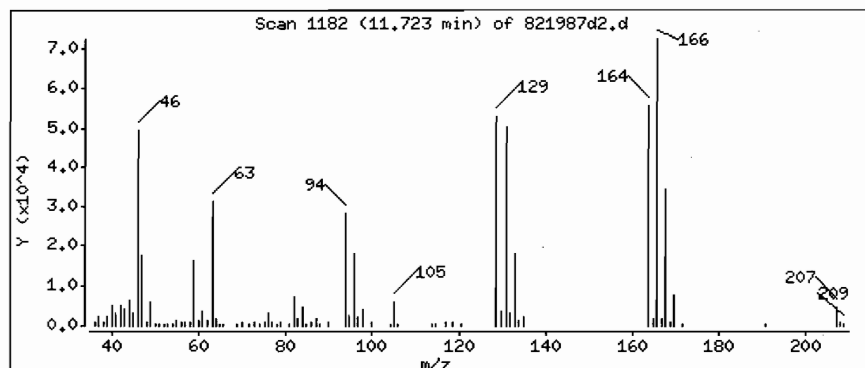
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 4.3 ug/L



Date : 12-MAR-2010 01:03

Client ID: MW-04

Instrument: N.i

Sample Info: MW-04 :[103/05/10 @1230(WATER)

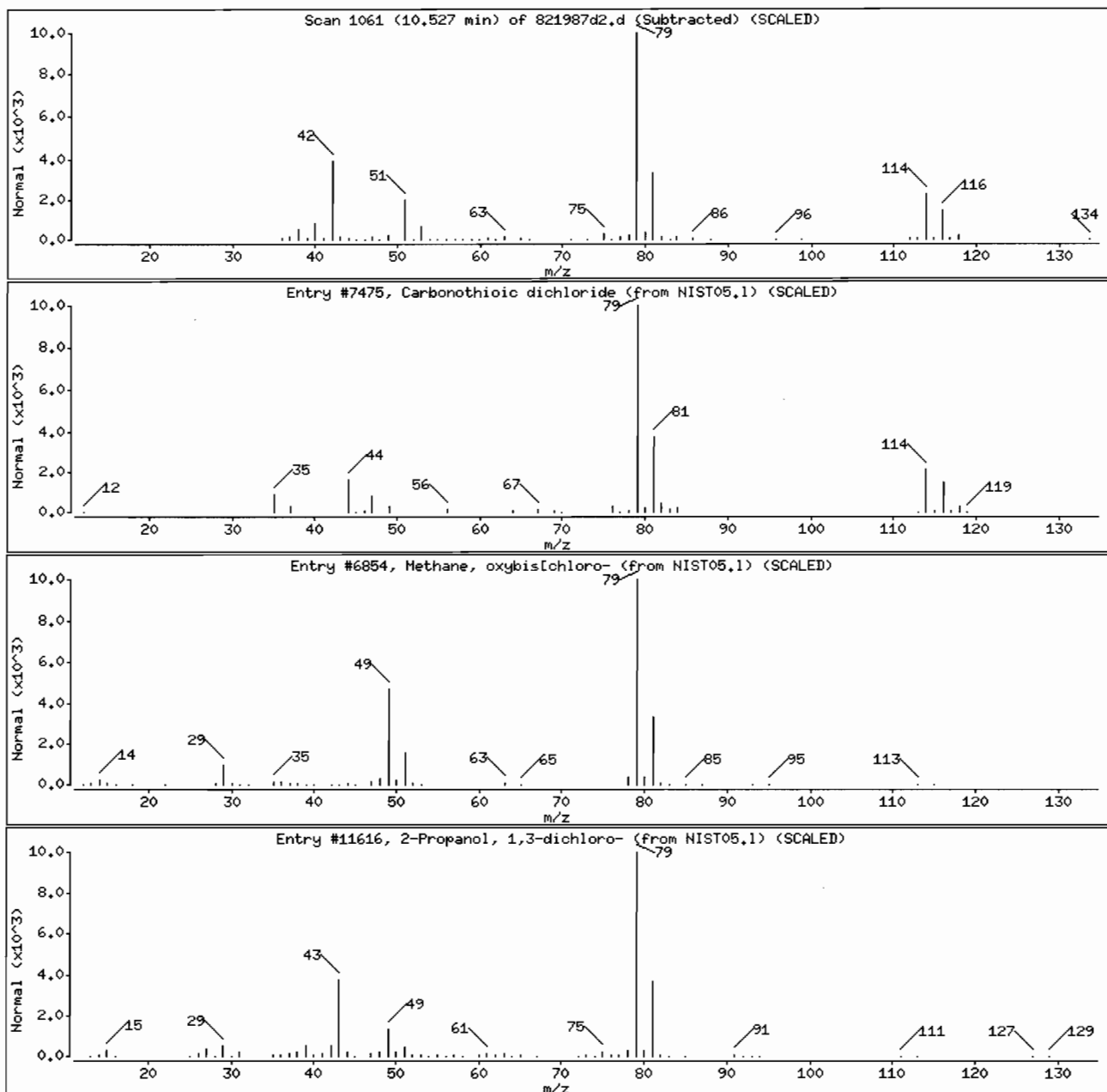
Purge Volume: 25.0

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	CCl ₂ S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	37	C ₂ H ₄ Cl ₂ O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821987D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821987D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/06/2010

% Moisture: not dec.

Date Analyzed: 03/11/2010

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

Dilution Factor: 62.8

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	31	U
74-87-3	Chloromethane	31	U
75-01-4	Vinyl chloride	31	U
74-83-9	Bromomethane	31	U
75-00-3	Chloroethane	31	U
75-69-4	Trichlorofluoromethane	31	U
75-35-4	1,1-Dichloroethene	31	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	31	U
67-64-1	Acetone	310	U
75-15-0	Carbon disulfide	31	U
79-20-9	Methyl acetate	31	U
75-09-2	Methylene chloride	31	U
156-60-5	trans-1,2-Dichloroethene	31	U
1634-04-4	Methyl tert-butyl ether	31	U
75-34-3	1,1-Dichloroethane	31	U
156-59-2	cis-1,2-Dichloroethene	31	U
78-93-3	2-Butanone	310	U
74-97-5	Bromochloromethane	31	U
67-66-3	Chloroform	31	U
71-55-6	1,1,1-Trichloroethane	31	U
110-82-7	Cyclohexane	31	U
56-23-5	Carbon tetrachloride	31	U
71-43-2	Benzene	31	U
107-06-2	1,2-Dichloroethane	31	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.

MW-04DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821987D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821987D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/06/2010

% Moisture: not dec.

Date Analyzed: 03/11/2010

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

Dilution Factor: 62.8

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	750	D
108-87-2	Methylcyclohexane	31	U
78-87-5	1,2-Dichloropropane	31	U
75-27-4	Bromodichloromethane	31	U
10061-01-5	cis-1,3-Dichloropropene	31	U
108-10-1	4-Methyl-2-pentanone	310	U
108-88-3	Toluene	31	U
10061-02-6	trans-1,3-Dichloropropene	31	U
79-00-5	1,1,2-Trichloroethane	31	U
127-18-4	Tetrachloroethene	31	U
591-78-6	2-Hexanone	70	DJ
124-48-1	Dibromochloromethane	31	U
106-93-4	1,2-Dibromoethane	31	U
108-90-7	Chlorobenzene	31	U
100-41-4	Ethylbenzene	31	U
95-47-6	o-Xylene	31	U
179601-23-1	m,p-Xylene	31	U
100-42-5	Styrene	31	U
75-25-2	Bromoform	31	U
98-82-8	Isopropylbenzene	31	U
79-34-5	1,1,2,2-Tetrachloroethane	31	U
541-73-1	1,3-Dichlorobenzene	31	U
106-46-7	1,4-Dichlorobenzene	31	U
95-50-1	1,2-Dichlorobenzene	31	U
96-12-8	1,2-Dibromo-3-chloropropane	31	U
120-82-1	1,2,4-Trichlorobenzene	31	U
87-61-6	1,2,3-Trichlorobenzene	31	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-04DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821987D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821987D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/06/2010

% Moisture: not dec.

Date Analyzed: 03/11/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 62.8

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	=====	=====	=====	=====	=====
02		Unknown	10.53	360	JXBD
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/N.i/NSvr.p/nzxsmt.r.b/821987d.d

Date : 11-MAR-2010 21:48

Client ID: MW-04DL

Sample Info: MW-04 : [103/05/10 @1230(WATER)

Purge Volume: 25.0

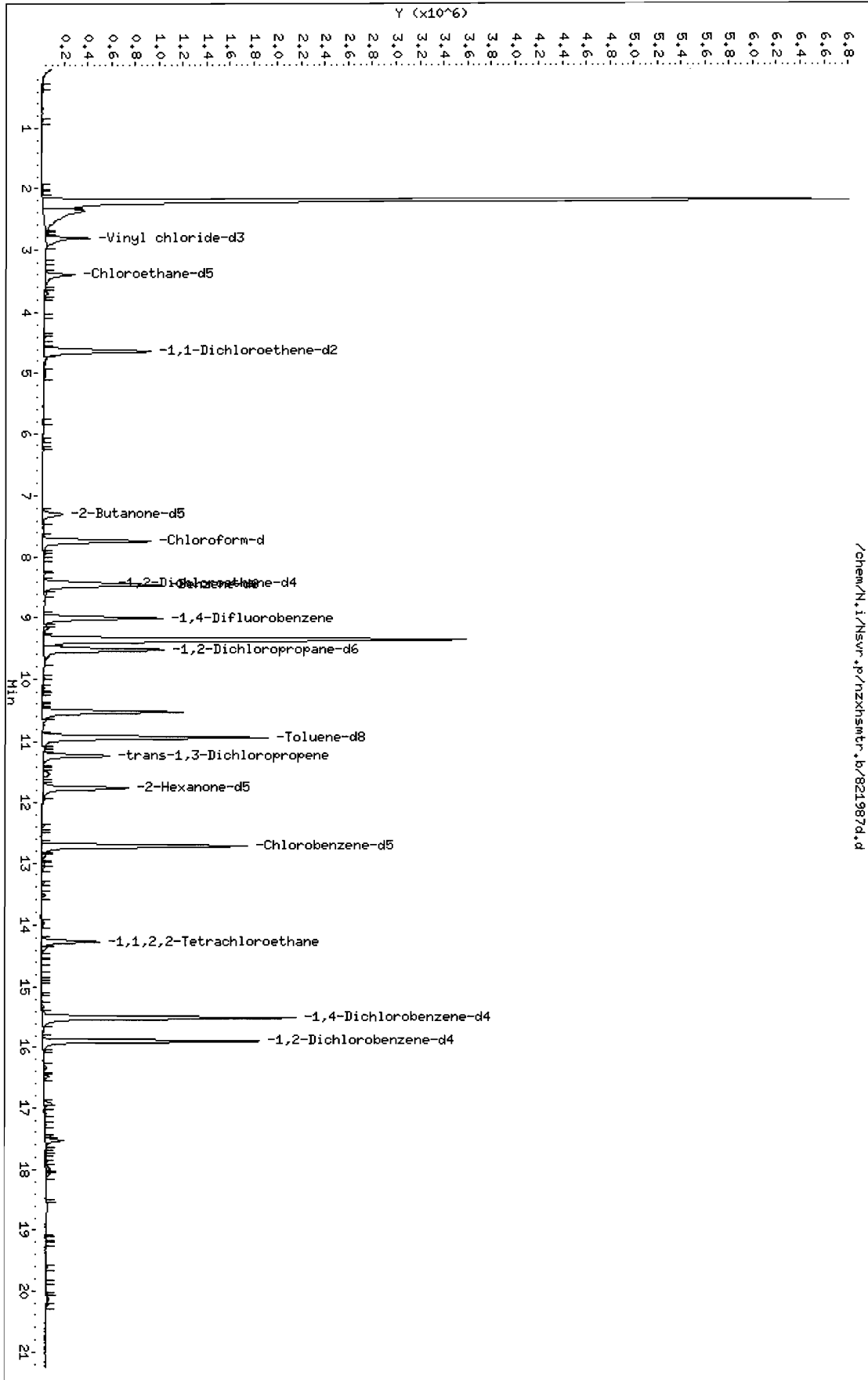
Column phase: DB-624

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Instrument: N.i

Operator: JPI

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d.d
Lab Smp Id: 821987D1 Client Smp ID: MW-04DL
Inj Date : 11-MAR-2010 21:48
Operator : JP1 Inst ID: N.i
Smp Info : MW-04 :[]03/05/10 @1230(WATER)
Misc Info : 821987,031110NY,62.8,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jdl Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.d
Als bottle: 1
Dil Factor: 62.80000
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	62.80000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.817	2.816	(0.313)	800079	4.91279	4.9(a)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.400	3.400	(0.378)	610068	4.90341	4.9(a)
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.636	4.635	(0.515)	1363242	3.73881	3.7(a)
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.294	7.294	(0.810)	428450	47.2366	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	7.729	7.729	(0.858)	1455195	4.80081	4.8 (aQ)
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	8.421	8.420	(0.935)	343161	4.89702	4.9 (a)
\$ 29 Benzene-d6	84	8.460	8.450	(0.665)	1656623	5.08622	5.1 (a)
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.004	9.003	(1.000)	1569537	5.00000	
33 Trichloroethene	95	9.360	9.359	(0.736)	2391577	11.8959	750
\$ 34 1,2-Dichloropropane-d6	67	9.528	9.527	(0.749)	990924	5.14848	5.1 (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	10.921	10.921	(0.859)	2528459	4.99508	5.0 (a)
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.218	11.227	(0.882)	653839	4.89294	4.9 (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	11.752	11.751	(0.924)	602926	50.2012	50 (a)
47 2-Hexanone	43	11.801	11.810	(0.928)	22980	1.12061	70 (aMH)
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	12.720	12.720	(1.000)	2012895	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.262	14.261	(1.121)	564136	4.86422	4.9 (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	15.497	15.497	(1.000)	1081920	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d.d
Report Date: 21-Mar-2010 11:12

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Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152		15.893	15.882	(1.026)	897296	5.02671	5.0(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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d.d
Report Date: 21-Mar-2010 11:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d.d
Lab Smp Id: 821987D1 Client Smp ID: MW-04DL
Inj Date : 11-MAR-2010 21:48
Operator : JP1 Inst ID: N.i
Smp Info : MW-04 : [] 03/05/10 @1230 (WATER)
Misc Info : 821987,031110NY,62.8,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jdl Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.d
Als bottle: 1
Dil Factor: 62.80000
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	62.80000	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	9.004	3645483	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
10.526	4156170	5.70043811	360	0		0	32

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/821987d.d

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Date : 11-MAR-2010 21:48

Client ID: MW-04DL

Instrument: N.i

Sample Info: MW-04 :[103/05/10 @1230(WATER)

Purge Volume: 25.0

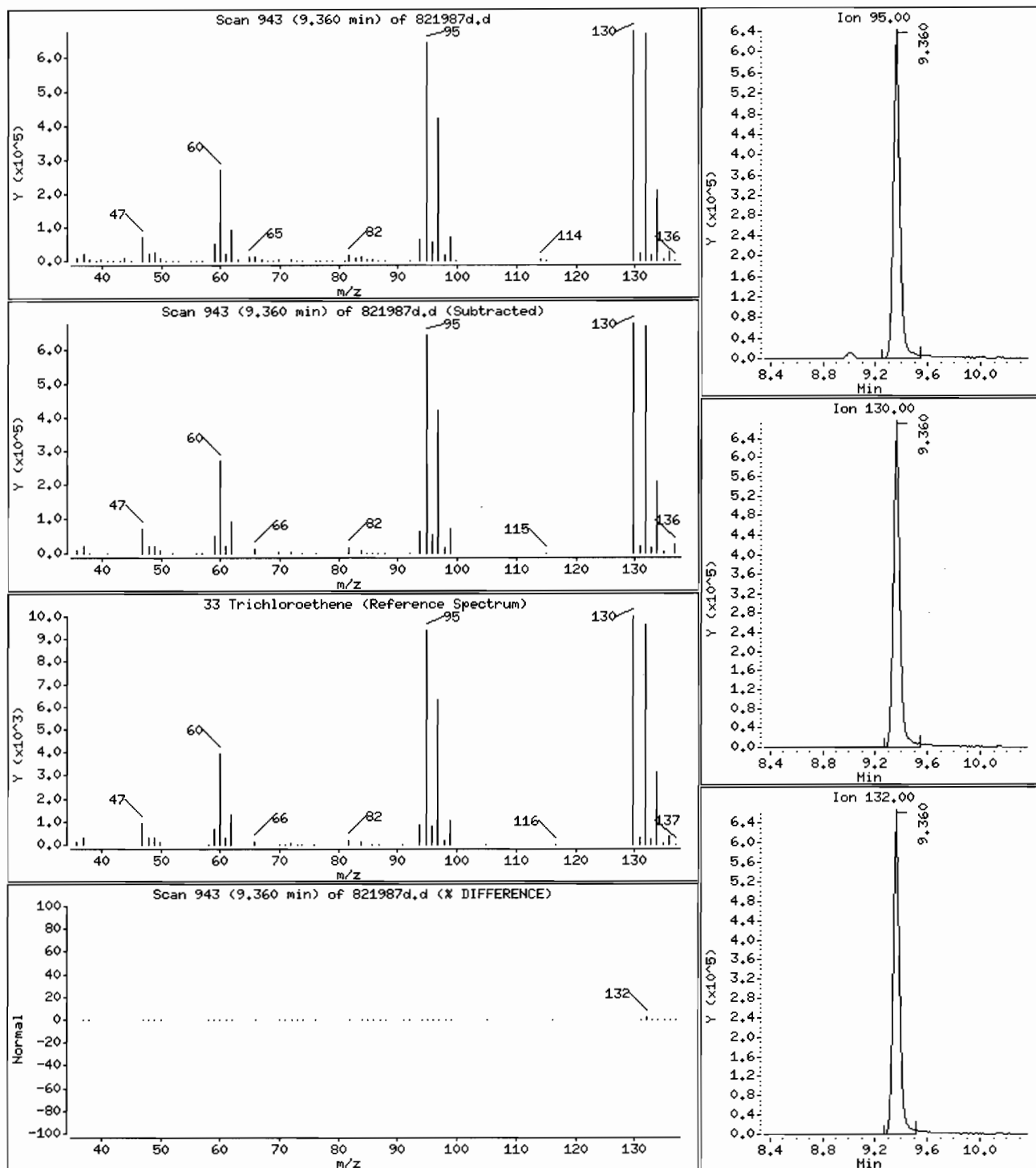
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 750 ug/L



Data File: /chem/N,i/Nsvr,p/nzxhsmtr,b/821987d,d

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Date : 11-MAR-2010 21:48

Client ID: MW-04DL

Instrument: N.i

Sample Info: MW-04 :[103/05/10 @1230(WATER)

Purge Volume: 25.0

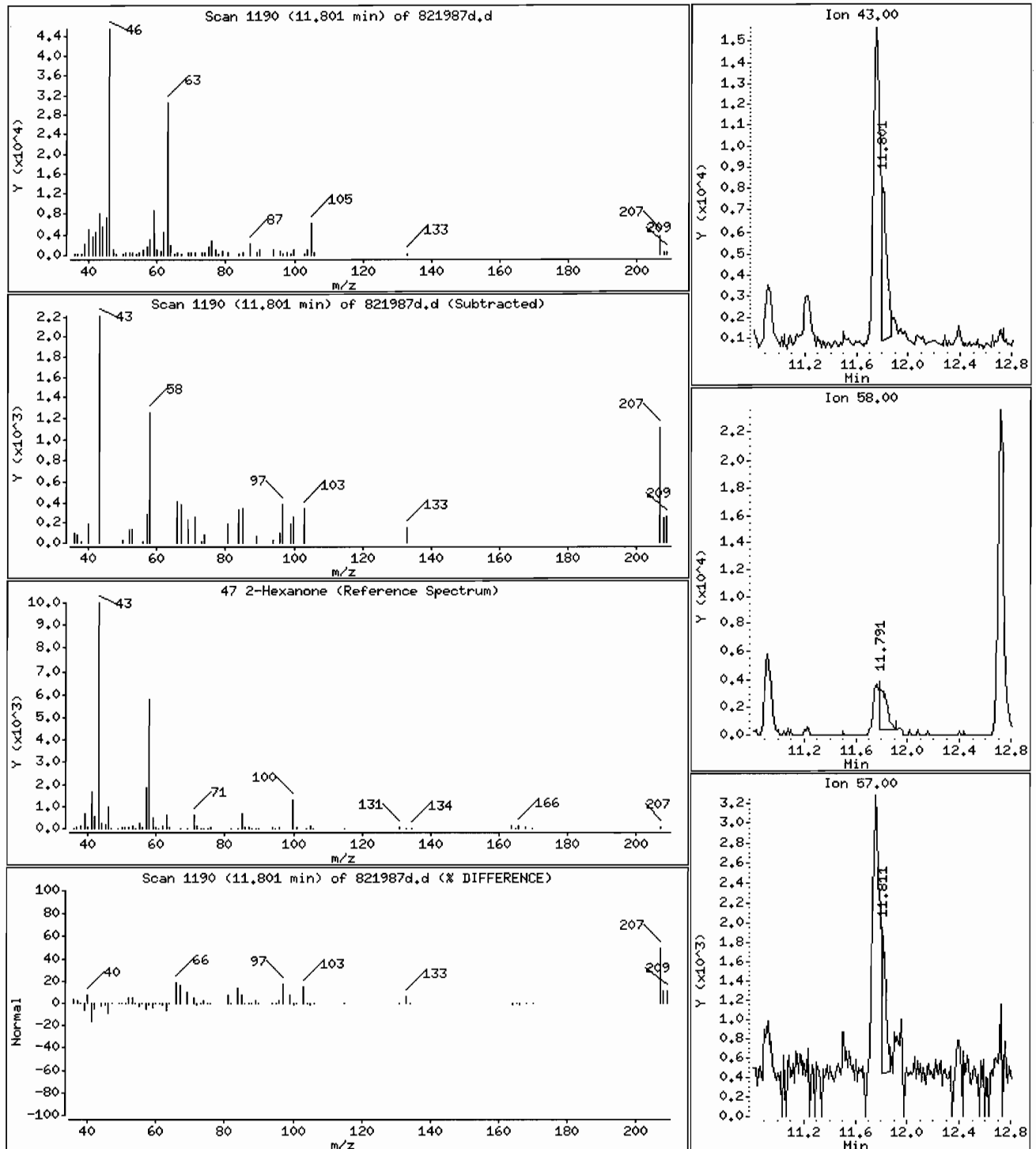
Operator: JP1

Column phase: DB-624

Column diameter: 0,53

47 2-Hexanone

Concentration: 70 ug/L



Date : 11-MAR-2010 21:48

Client ID: MW-04DL

Instrument: N.i

Sample Info: MW-04 :[103/05/10 @1230(WATER)

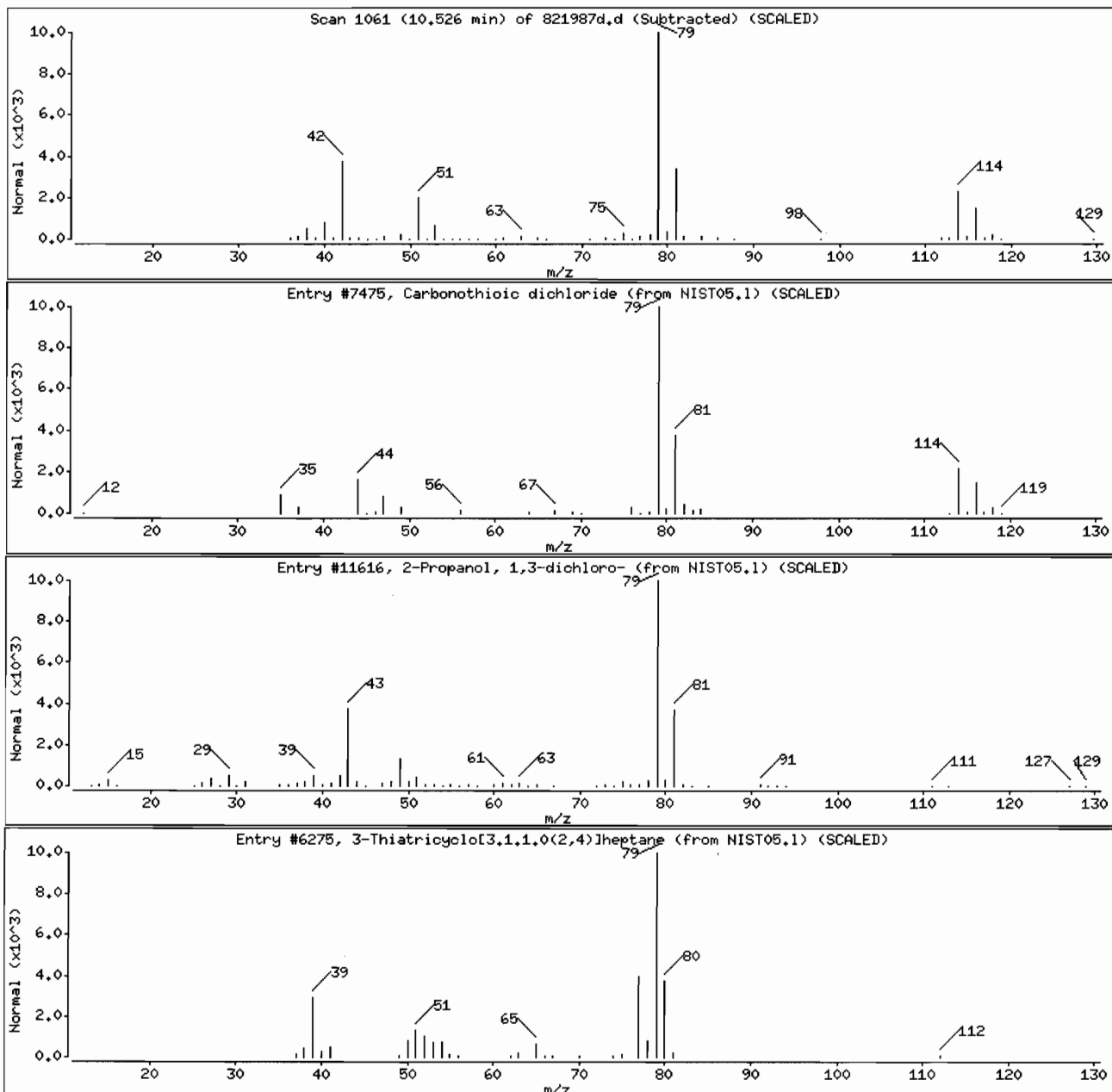
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	58	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	38	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	37	C ₆ H ₈ S	112

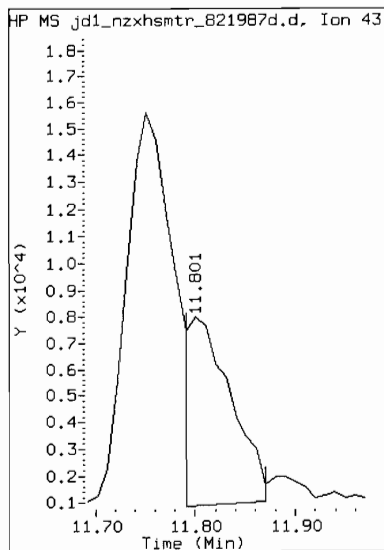


MANUAL INTEGRATION REPORT

Data File Name: 821987d.d
Client Sample ID: MW-04DL
Compound Name: 2-Hexanone

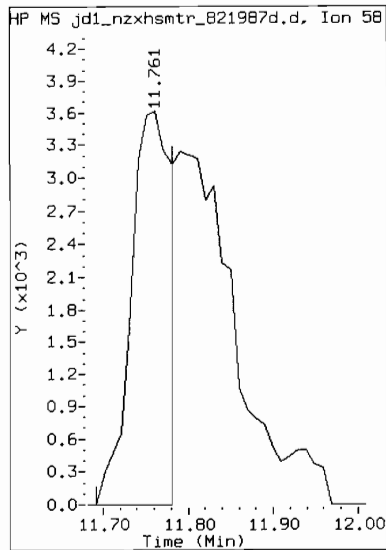
Inj. Date and Time: 11-MAR-2010 21:48
Instrument ID: N.i
CAS #: 591-78-6

Target Version: Target 3.50
Report Version: 1.1
Report Date: 03/21/2010 11:12

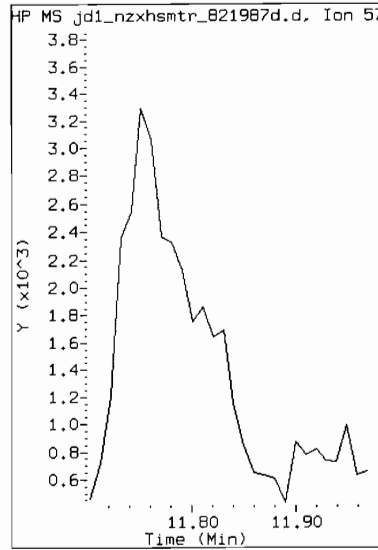


Original Integrations:

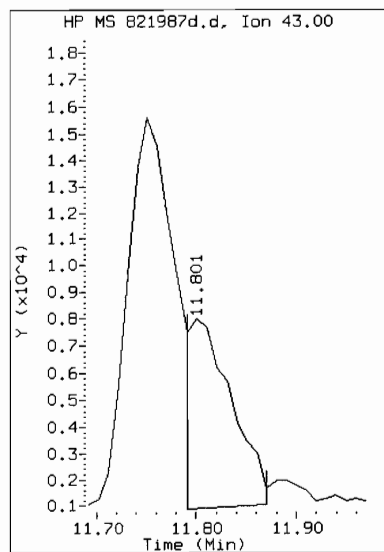
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Area = 11739

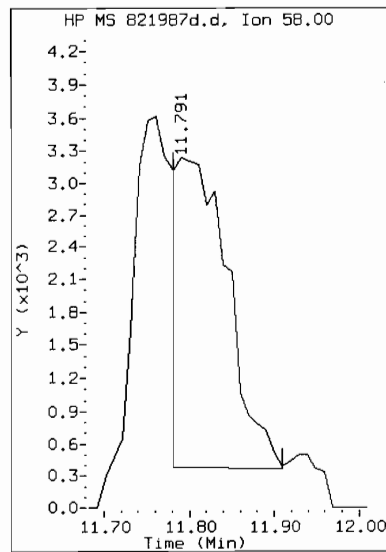


Area = 18452

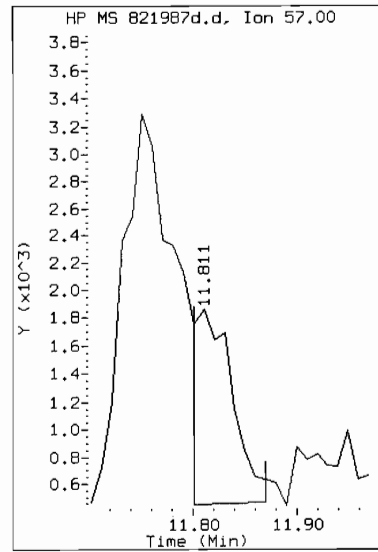


Final Integrations:

Area = 22980



Area = 13046



Area = 3917

Manual Integration Reason: M11 - Poor automated baseline



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.: 136246
Instrument ID: N.i Calibration Date(s): 03/01/2010 03/01/2010
Heated Purge: (Y/N)N Calibration Time(s): 1510 1721
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:	RRF0.5 = NZX005V	RRF1.0 = NZX01V					
RRF5.0 = NZX05V	RRF10 = NZX10V	RRF20 = NZX20V					
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
Dichlorodifluoromethane	1.239	1.139	1.082	1.061	1.196	1.143	6.6
Chloromethane	0.690	0.614	0.486	0.457	0.525	0.554	17.4
Vinyl chloride	0.627	0.537	0.495	0.482	0.550	0.538	10.6
Bromomethane	0.561	0.562	0.506	0.469	0.525	0.525	7.5
Chloroethane	0.338	0.292	0.280	0.271	0.306	0.297	8.8
Trichlorofluoromethane	1.355	1.230	1.156	1.142	1.295	1.236	7.3
1,1-Dichloroethene	0.603	0.533	0.478	0.455	0.511	0.516	11.1
1,1,2-Trichloro-							
1,2,2-trifluoroethane	1.360	1.164	1.114	1.052	1.175	1.173	9.8
Acetone	0.020	0.017	0.012	0.013	0.014	0.015	21.8
Carbon disulfide	1.896	1.541	1.381	1.341	1.514	1.535	14.3
Methyl acetate	0.070	0.051	0.050	0.046	0.054	0.054	16.9
Methylene chloride	0.413	0.392	0.357	0.335	0.391	0.377	8.3
trans-1,2-Dichloroethene	0.643	0.566	0.516	0.494	0.567	0.557	10.3
Methyl tert-butyl ether	0.440	0.402	0.372	0.347	0.405	0.393	9.0
1,1-Dichloroethane	0.993	0.929	0.855	0.831	0.932	0.908	7.2
cis-1,2-Dichloroethene	0.526	0.475	0.439	0.411	0.475	0.465	9.3
2-Butanone	0.030	0.026	0.025	0.023	0.027	0.026	9.9
Bromochloromethane	0.229	0.218	0.205	0.194	0.229	0.215	7.1
Chloroform	0.963	0.912	0.854	0.805	0.927	0.892	7.0
1,1,1-Trichloroethane	0.751	0.690	0.634	0.616	0.690	0.676	7.9
Cyclohexane	0.461	0.409	0.383	0.364	0.397	0.403	9.0
Carbon tetrachloride	0.773	0.717	0.684	0.652	0.733	0.712	6.5
Benzene	0.803	0.745	0.690	0.665	0.719	0.724	7.3
1,2-Dichloroethane	0.265	0.271	0.245	0.230	0.269	0.256	6.9
Trichloroethene	0.453	0.398	0.547	0.526	0.574	0.499	14.5
Methylcyclohexane	0.547	0.470	0.463	0.441	0.477	0.479	8.4

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.: 136246
Instrument ID: N.i Calibration Date(s): 03/01/2010 03/01/2010
Heated Purge: (Y/N)N Calibration Time(s): 1510 1721
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = NZX005V			RRF1.0 = NZX01V		
RRF5.0 = NZX05V		RRF10 = NZX10V			RRF20 = NZX20V		
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
1,2-Dichloropropane	0.407	0.377	0.355	0.344	0.375	0.372	6.5
Bromodichloromethane	0.724	0.690	0.661	0.620	0.700	0.679	5.9
cis-1,3-Dichloropropene	0.568	0.530	0.501	0.472	0.523	0.519	6.8
4-Methyl-2-pentanone	0.085	0.081	0.077	0.070	0.080	0.079	6.8
Toluene	1.434	1.330	1.234	1.176	1.296	1.294	7.6
trans-1,3-Dichloropropene	0.362	0.348	0.328	0.318	0.360	0.343	5.7
1,1,2-Trichloroethane	0.232	0.222	0.202	0.192	0.215	0.213	7.5
Tetrachloroethene	0.611	0.565	0.531	0.506	0.553	0.553	7.1
2-Hexanone	0.052	0.054	0.049	0.047	0.052	0.051	5.0
Dibromochloromethane	0.541	0.483	0.466	0.443	0.501	0.487	7.6
1,2-Dibromoethane	0.347	0.319	0.311	0.289	0.326	0.318	6.7
Chlorobenzene	1.123	1.037	0.954	0.922	1.029	1.013	7.8
Ethylbenzene	1.733	1.629	1.540	1.469	1.638	1.602	6.3
o-Xylene	0.615	0.579	0.568	0.524	0.573	0.572	5.7
m,p-Xylene	0.677	0.647	0.611	0.568	0.609	0.622	6.7
Styrene	0.917	0.859	0.867	0.802	0.886	0.866	4.9
Bromoform	0.498	0.458	0.450	0.423	0.497	0.465	6.9
Isopropylbenzene	1.939	1.820	1.735	1.654	1.840	1.797	6.0
1,1,2,2-Tetrachloroethane	0.289	0.287	0.273	0.259	0.284	0.278	4.4
1,3-Dichlorobenzene	1.799	1.613	1.541	1.486	1.697	1.627	7.7
1,4-Dichlorobenzene	1.932	1.747	1.599	1.504	1.672	1.691	9.6
1,2-Dichlorobenzene	1.364	1.264	1.174	1.091	1.238	1.226	8.3
1,2-Dibromo-3-chloropropane	0.095	0.075	0.075	0.072	0.085	0.080	11.8
1,2,4-Trichlorobenzene	1.006	0.877	0.842	0.811	0.922	0.892	8.6
1,2,3-Trichlorobenzene	0.795	0.691	0.636	0.594	0.678	0.679	11.1

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.: 136246
Instrument ID: N.i Calibration Date(s): 03/01/2010 03/01/2010
Heated Purge: (Y/N)N Calibration Time(s): 1510 1721
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = NZX005V			RRF1.0 = NZX01V		
RRF5.0 = NZX05V		RRF10 = NZX10V			RRF20 = NZX20V		
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
Vinyl chloride-d3	0.589	0.533	0.475	0.464	0.533	0.519	9.8
Chloroethane-d5	0.424	0.417	0.370	0.364	0.407	0.396	7.0
1,1-Dichloroethene-d2	1.319	1.169	1.091	1.039	1.190	1.162	9.2
2-Butanone-d5	0.032	0.029	0.028	0.026	0.030	0.029	8.0
Chloroform-d	1.043	0.990	0.913	0.873	1.009	0.966	7.3
1,2-Dichloroethane-d4	0.254	0.219	0.212	0.199	0.233	0.223	9.4
Benzene-d6	0.881	0.837	0.770	0.738	0.819	0.809	6.9
1,2-Dichloropropane-d6	0.489	0.473	0.480	0.450	0.499	0.478	3.9
Toluene-d8	1.395	1.278	1.198	1.147	1.269	1.257	7.5
trans-1,3-Dichloropropene-d4	0.355	0.335	0.319	0.301	0.349	0.332	6.8
2-Hexanone-d5	0.032	0.030	0.030	0.027	0.030	0.030	5.1
1,1,2,2-Tetrachloroethane-d2	0.311	0.295	0.281	0.264	0.290	0.288	6.1
1,2-Dichlorobenzene-d4	0.924	0.838	0.780	0.736	0.847	0.825	8.7

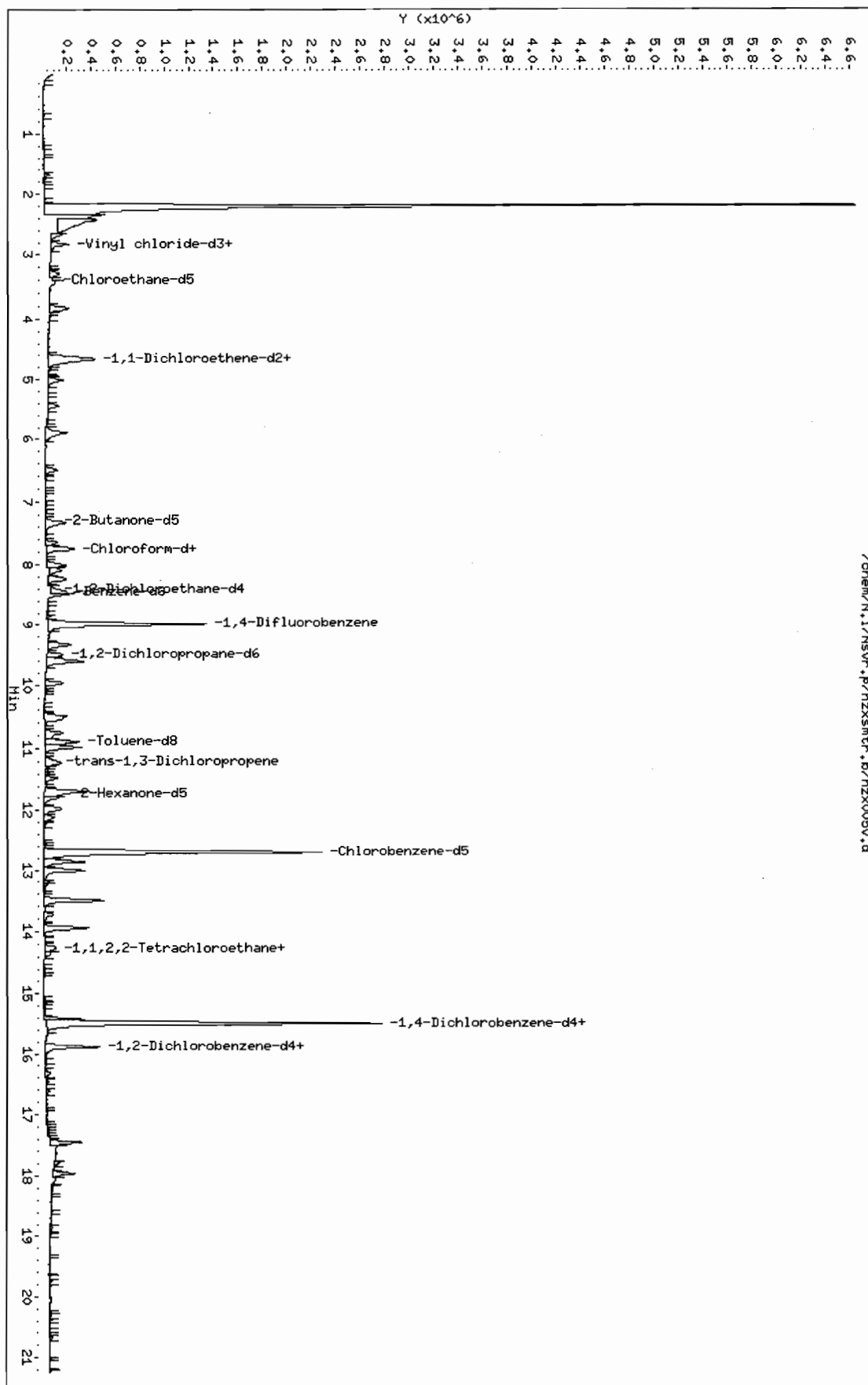
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx005v.d
Date: 01-MAR-2010 15:10
Client ID: VSTD0.SNO
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: N.i
Operator: HRV
Column diameter: 0.53

Page 4



Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx005v.d
Report Date: 03-Mar-2010 06:44

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxsmtr.b/nzx005v.d
Lab Smp Id: VSTD0.5NO Client Smp ID: VSTD0.5NO
Inj Date : 01-MAR-2010 15:10
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD0.5NO,,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxsmtr.b/somtr4.m
Meth Date : 03-Mar-2010 06:44 cmp Quant Type: ISTD
Cal Date : 01-MAR-2010 15:10 Cal File: nx005v.d
Als bottle: 5 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	2.427	2.446	(0.270)	248935	0.50000	0.50	
2 Chloromethane	50	2.674	2.693	(0.298)	138714	0.50000	0.50	
\$ 3 Vinyl chloride-d3	65	2.813	2.822	(0.313)	118326	0.50000	0.50	
4 Vinyl chloride	62	2.823	2.832	(0.314)	126038	0.50000	0.50	
5 Bromomethane	94	3.297	3.306	(0.367)	112742	0.50000	0.50	
\$ 6 Chloroethane-d5	69	3.396	3.415	(0.378)	85246	0.50000	0.50	
7 Chloroethane	64	3.435	3.454	(0.383)	67835	0.50000	0.50	
8 Trichlorofluoromethane	101	3.831	3.840	(0.427)	272256	0.50000	0.50	
\$ 9 1,1-Dichloroethene-d2	63	4.641	4.650	(0.517)	265006	0.50000	0.50	
10 1,1-Dichloroethene	96	4.661	4.670	(0.519)	121209	0.50000	0.50	
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.681	4.690	(0.521)	273289	0.50000	0.50	
12 Acetone	43	4.750	4.769	(0.529)	40066	5.00000	5.0 (Q)	
13 Carbon disulfide	76	5.007	5.016	(0.558)	381067	0.50000	0.50	
14 Methyl acetate	43	5.323	5.322	(0.593)	14020	0.50000	0.50	

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
15 Methylene chloride		84	5.442	5.441	(0.606)	83038	0.50000	0.50
16 trans-1,2-Dichloroethene		96	5.887	5.886	(0.656)	129122	0.50000	0.50
17 Methyl tert-butyl ether		73	5.926	5.935	(0.660)	88501	0.50000	0.50
18 1,1-Dichloroethane		63	6.499	6.508	(0.724)	199624	0.50000	0.50
\$ 19 2-Butanone-d5		46	7.300	7.289	(0.813)	63870	5.00000	5.0
20 cis-1,2-Dichloroethene		96	7.330	7.319	(0.816)	105703	0.50000	0.50
21 2-Butanone		43	7.379	7.368	(0.822)	60012	5.00000	5.0
22 Bromochloromethane		128	7.646	7.635	(0.851)	45942	0.50000	0.50
\$ 23 Chloroform-d		84	7.725	7.724	(0.860)	209614	0.50000	0.50
24 Chloroform		83	7.755	7.754	(0.864)	193608	0.50000	0.50
25 1,1,1-Trichloroethane		97	8.002	8.011	(0.630)	194657	0.50000	0.50
26 Cyclohexane		56	8.100	8.100	(0.638)	119354	0.50000	0.50
27 Carbon tetrachloride		117	8.229	8.238	(0.648)	200207	0.50000	0.50
\$ 28 1,2-Dichloroethane-d4		65	8.397	8.406	(0.935)	50948	0.50000	0.50
\$ 29 Benzene-d6		84	8.436	8.445	(0.664)	228230	0.50000	0.50
30 Benzene		78	8.496	8.505	(0.669)	207944	0.50000	0.50
31 1,2-Dichloroethane		62	8.496	8.515	(0.946)	53168	0.50000	0.50
* 32 1,4-Difluorobenzene		114	8.980	8.999	(1.000)	2009580	5.00000	
33 Trichloroethene		95	9.326	9.355	(0.735)	117448	0.50000	0.50
\$ 34 1,2-Dichloropropane-d6		67	9.494	9.523	(0.748)	126563	0.50000	0.50
35 Methylcyclohexane		55	9.593	9.622	(0.756)	141728	0.50000	0.50
36 1,2-Dichloropropane		63	9.613	9.631	(0.757)	105567	0.50000	0.50
37 Bromodichloromethane		83	9.968	9.987	(0.785)	187641	0.50000	0.50
38 cis-1,3-Dichloropropene		75	10.542	10.560	(0.830)	147076	0.50000	0.50
39 4-Methyl-2-pentanone		43	10.749	10.768	(0.847)	219963	5.00000	5.0
\$ 40 Toluene-d8		98	10.897	10.916	(0.858)	361291	0.50000	0.50
41 Toluene		91	10.977	10.995	(0.865)	371629	0.50000	0.50
\$ 42 trans-1,3-Dichloropropene-d4		79	11.194	11.213	(0.882)	92088	0.50000	0.50
43 trans-1,3-Dichloropropene		75	11.233	11.242	(0.885)	93893	0.50000	0.50
44 1,1,2-Trichloroethane		97	11.461	11.480	(0.903)	60177	0.50000	0.50
45 Tetrachloroethene		164	11.688	11.697	(0.921)	158348	0.50000	0.50
\$ 46 2-Hexanone-d5		63	11.728	11.737	(0.924)	81636	5.00000	5.0
47 2-Hexanone		43	11.797	11.796	(0.929)	134656	5.00000	5.0
48 Dibromochloromethane		129	11.965	11.974	(0.942)	140143	0.50000	0.50
49 1,2-Dibromoethane		107	12.113	12.132	(0.954)	89917	0.50000	0.50
* 50 Chlorobenzene-d5		117	12.696	12.705	(1.000)	2590777	5.00000	
51 Chlorobenzene		112	12.726	12.735	(1.002)	290937	0.50000	0.50
52 Ethylbenzene		91	12.864	12.863	(1.013)	449086	0.50000	0.50
53 m,p-Xylene		106	13.003	13.012	(1.024)	175352	0.50000	0.50
54 Styrene		104	13.507	13.506	(1.064)	237653	0.50000	0.50
55 o-Xylene		106	13.497	13.496	(1.063)	159234	0.50000	0.50
56 Bromoform		173	13.734	13.733	(0.887)	66577	0.50000	0.50
57 Isopropylbenzene		105	13.942	13.951	(1.098)	502365	0.50000	0.50
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.248	14.247	(1.122)	80701	0.50000	0.50
59 1,1,2,2-Tetrachloroethane		83	14.278	14.277	(1.125)	74802	0.50000	0.50
60 1,3-Dichlorobenzene		146	15.414	15.413	(0.996)	240442	0.50000	0.50
* 61 1,4-Dichlorobenzene-d4		152	15.483	15.482	(1.000)	1336583	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	15.503	15.502	(1.001)	258222	0.50000	0.50
\$ 63 1,2-Dichlorobenzene-d4	152	15.869	15.868	(1.025)	123489	0.50000	0.50
64 1,2-Dichlorobenzene	146	15.889	15.888	(1.026)	182346	0.50000	0.50
65 1,2-Dibromo-3-chloropropane	75	16.620	16.609	(1.073)	12731	0.50000	0.50
66 1,2,4-Trichlorobenzene	180	17.450	17.449	(1.127)	134524	0.50000	0.50
67 1,2,3-Trichlorobenzene	180	17.954	17.953	(1.160)	106272	0.50000	0.50

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/N.i/Nsyr.p/nzxsmt.r.b/nzx01.v.d

Date: 01-MAR-2010 15:43

Client ID: VSTD001NO

Sample Info:

Purge Volume: 25.0

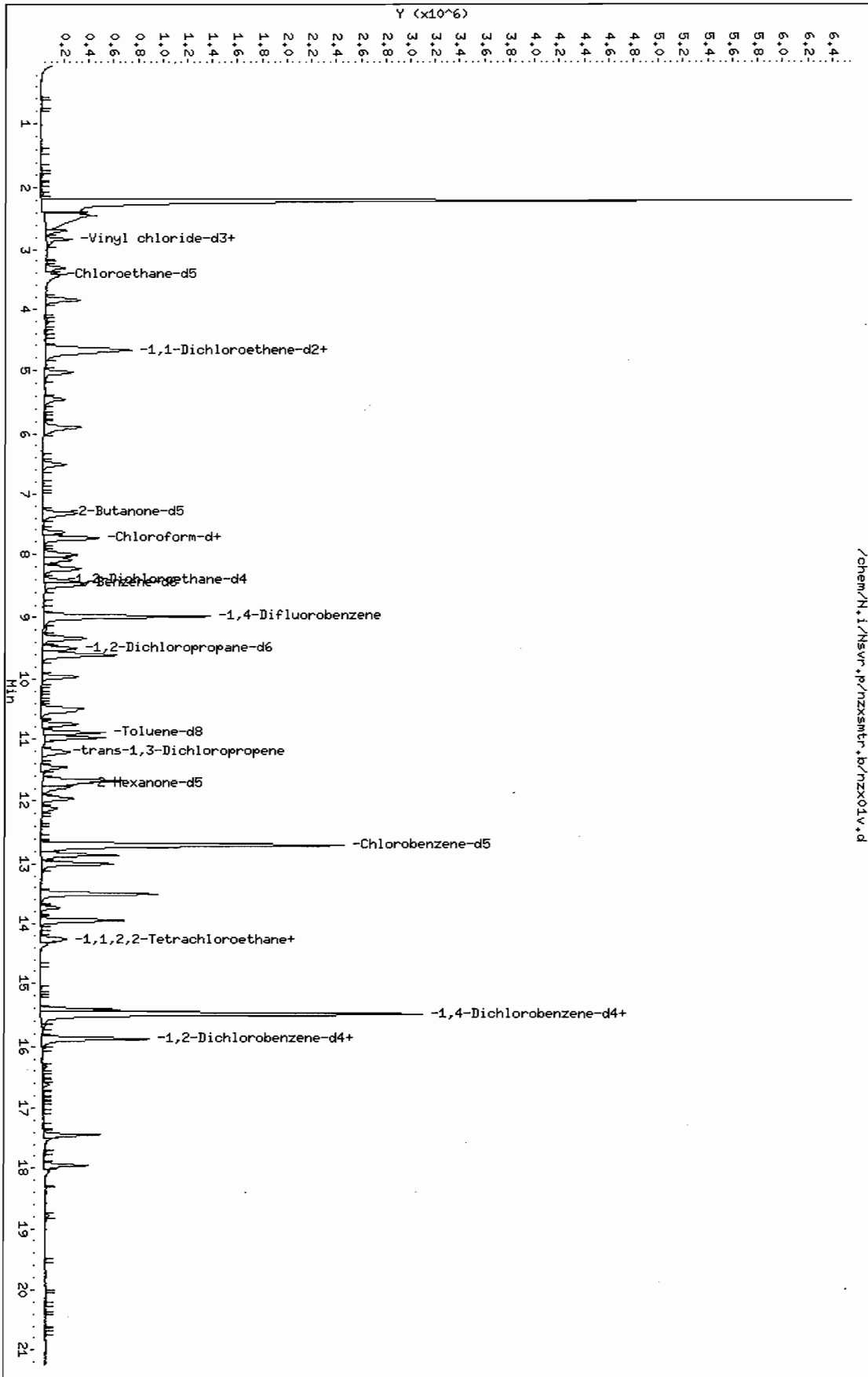
Column Phase: DB-624

Instrument: N.i

Operator: HRV

Column diameter: 0.53

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Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx01v.d
Report Date: 03-Mar-2010 06:44

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxsmtr.b/nzx01v.d
Lab Smp Id: VSTD001NO Client Smp ID: VSTD001NO
Inj Date : 01-MAR-2010 15:43
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD001NO,,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxsmtr.b/somtr4.m
Meth Date : 03-Mar-2010 06:44 cmp Quant Type: ISTD
Cal Date : 01-MAR-2010 15:43 Cal File: nx01v.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: 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	2.445	2.446	(0.272)	472435	1.00000	0.96
2 Chloromethane	50	2.692	2.693	(0.300)	254752	1.00000	0.94
\$ 3 Vinyl chloride-d3	65	2.820	2.822	(0.314)	221207	1.00000	0.95
4 Vinyl chloride	62	2.830	2.832	(0.315)	222961	1.00000	0.92
5 Bromomethane	94	3.305	3.306	(0.368)	233044	1.00000	1.0
\$ 6 Chloroethane-d5	69	3.413	3.415	(0.380)	172986	1.00000	0.99
7 Chloroethane	64	3.453	3.454	(0.385)	121208	1.00000	0.93
8 Trichlorofluoromethane	101	3.848	3.840	(0.429)	510524	1.00000	0.95
\$ 9 1,1-Dichloroethene-d2	63	4.649	4.650	(0.518)	485093	1.00000	0.94
10 1,1-Dichloroethene	96	4.669	4.670	(0.520)	221174	1.00000	0.94
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.698	4.690	(0.523)	482962	1.00000	0.92
12 Acetone	43	4.767	4.769	(0.531)	72026	10.0000	9.3
13 Carbon disulfide	76	5.024	5.016	(0.560)	639444	1.00000	0.90
14 Methyl acetate	43	5.341	5.322	(0.595)	21188	1.00000	0.85

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.449	5.441	(0.607)	162443	1.00000	0.97
16 trans-1,2-Dichloroethene	96	5.894	5.886	(0.657)	234689	1.00000	0.94
17 Methyl tert-butyl ether	73	5.944	5.935	(0.662)	166758	1.00000	0.95
18 1,1-Dichloroethane	63	6.507	6.508	(0.725)	385423	1.00000	0.97
\$ 19 2-Butanone-d5	46	7.298	7.289	(0.813)	122136	10.0000	9.6
20 cis-1,2-Dichloroethene	96	7.327	7.319	(0.816)	196957	1.00000	0.95
21 2-Butanone	43	7.377	7.368	(0.822)	109852	10.0000	9.4
22 Bromochloromethane	128	7.634	7.635	(0.850)	90436	1.00000	0.98
\$ 23 Chloroform-d	84	7.723	7.724	(0.860)	410594	1.00000	0.97
24 Chloroform	83	7.752	7.754	(0.863)	378532	1.00000	0.97
25 1,1,1-Trichloroethane	97	7.999	8.011	(0.630)	367319	1.00000	0.96
26 Cyclohexane	56	8.098	8.100	(0.638)	218013	1.00000	0.94
27 Carbon tetrachloride	117	8.227	8.238	(0.648)	381765	1.00000	0.96
\$ 28 1,2-Dichloroethane-d4	65	8.395	8.406	(0.935)	90923	1.00000	0.93
\$ 29 Benzene-d6	84	8.434	8.445	(0.664)	445464	1.00000	0.97
30 Benzene	78	8.484	8.505	(0.668)	396572	1.00000	0.96
31 1,2-Dichloroethane	62	8.493	8.515	(0.946)	112436	1.00000	1.0
* 32 1,4-Difluorobenzene	114	8.978	8.999	(1.000)	2074575	5.00000	
33 Trichloroethene	95	9.324	9.355	(0.734)	211776	1.00000	0.93
\$ 34 1,2-Dichloropropane-d6	67	9.492	9.523	(0.748)	251896	1.00000	0.98
35 Methylcyclohexane	55	9.591	9.622	(0.756)	250167	1.00000	0.92
36 1,2-Dichloropropane	63	9.610	9.631	(0.757)	200986	1.00000	0.96
37 Bromodichloromethane	83	9.966	9.987	(0.785)	367618	1.00000	0.98
38 cis-1,3-Dichloropropene	75	10.539	10.560	(0.830)	282294	1.00000	0.97
39 4-Methyl-2-pentanone	43	10.757	10.768	(0.847)	428951	10.0000	9.7
\$ 40 Toluene-d8	98	10.895	10.916	(0.858)	680723	1.00000	0.96
41 Toluene	91	10.974	10.995	(0.865)	708172	1.00000	0.96
\$ 42 trans-1,3-Dichloropropene-d4	79	11.192	11.213	(0.882)	178491	1.00000	0.97
43 trans-1,3-Dichloropropene	75	11.231	11.242	(0.885)	185276	1.00000	0.98
44 1,1,2-Trichloroethane	97	11.458	11.480	(0.903)	118024	1.00000	0.98
45 Tetrachloroethene	164	11.686	11.697	(0.921)	301102	1.00000	0.96
\$ 46 2-Hexanone-d5	63	11.725	11.737	(0.924)	161123	10.0000	9.8
47 2-Hexanone	43	11.785	11.796	(0.928)	285852	10.0000	10
48 Dibromochloromethane	129	11.963	11.974	(0.942)	257281	1.00000	0.94
49 1,2-Dibromoethane	107	12.111	12.132	(0.954)	169627	1.00000	0.96
* 50 Chlorobenzene-d5	117	12.694	12.705	(1.000)	2662306	5.00000	
51 Chlorobenzene	112	12.733	12.735	(1.003)	551944	1.00000	0.96
52 Ethylbenzene	91	12.862	12.863	(1.013)	867610	1.00000	0.97
53 m,p-Xylene	106	13.000	13.012	(1.024)	344431	1.00000	0.98
54 Styrene	104	13.504	13.506	(1.064)	457465	1.00000	0.97
55 o-Xylene	106	13.494	13.496	(1.063)	308451	1.00000	0.97
56 Bromoform	173	13.732	13.733	(0.887)	131627	1.00000	0.96
57 Isopropylbenzene	105	13.949	13.951	(1.099)	968892	1.00000	0.97
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.246	14.247	(1.122)	156980	1.00000	0.97
59 1,1,2,2-Tetrachloroethane	83	14.275	14.277	(1.125)	152559	1.00000	1.00
60 1,3-Dichlorobenzene	146	15.412	15.413	(0.996)	463444	1.00000	0.95
* 61 1,4-Dichlorobenzene-d4	152	15.481	15.482	(1.000)	1436831	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	15.501	15.502	(1.001)	501932	1.00000	0.95
\$ 63 1,2-Dichlorobenzene-d4	152	15.866	15.868	(1.025)	240899	1.00000	0.95
64 1,2-Dichlorobenzene	146	15.886	15.888	(1.026)	363316	1.00000	0.96
65 1,2-Dibromo-3-chloropropane	75	16.608	16.609	(1.073)	21669	1.00000	0.88
66 1,2,4-Trichlorobenzene	180	17.448	17.449	(1.127)	252015	1.00000	0.93
67 1,2,3-Trichlorobenzene	180	17.952	17.953	(1.160)	198481	1.00000	0.93

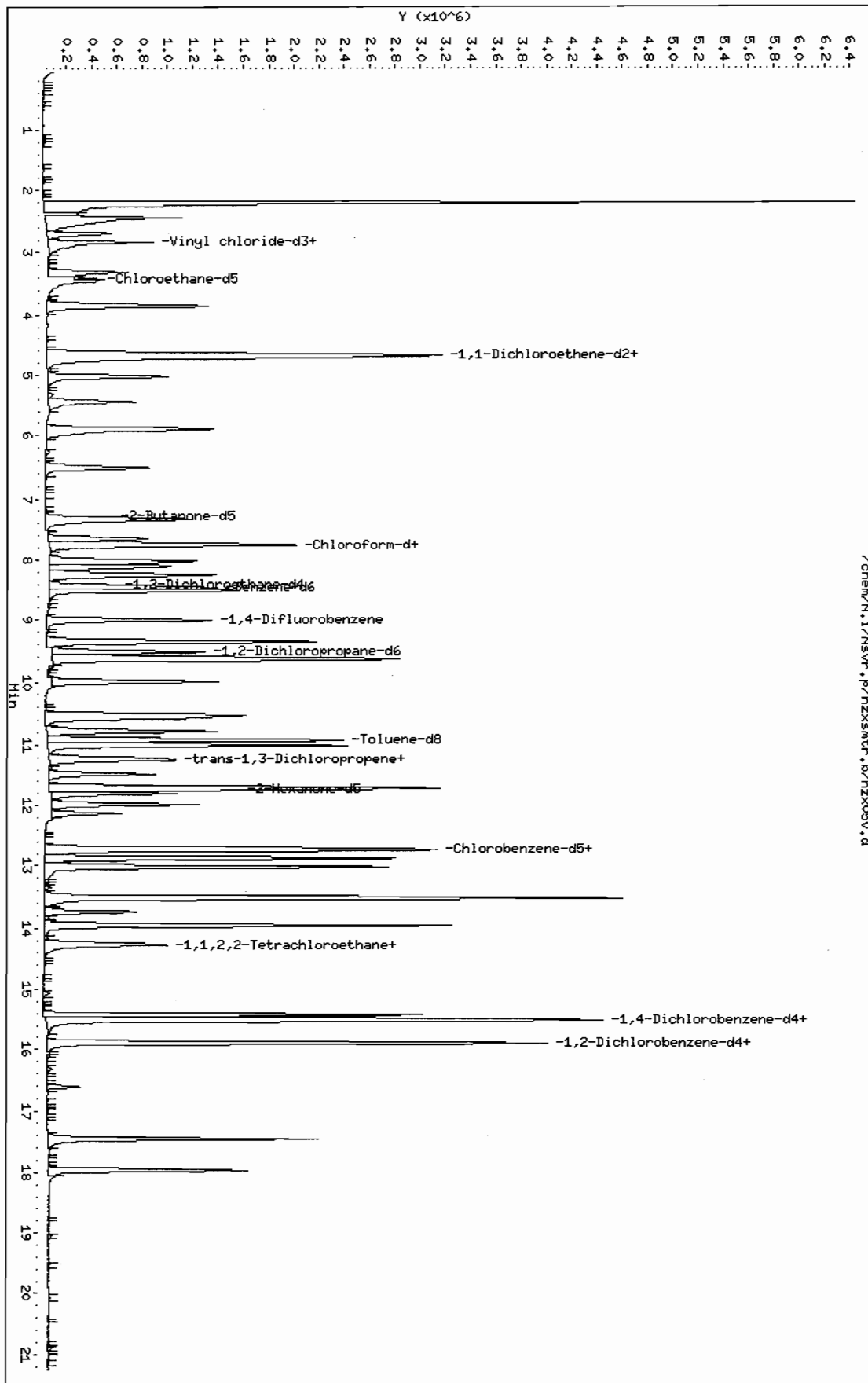
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/N.i/Nsvr.p/nzxsmt.b/nzxs05v.d
Date : 01-Mar-2010 16:15
Client ID: VSTD005NO
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: N.i
Operator: HRV
Column diameter: 0.53

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Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx05v.d
Report Date: 03-Mar-2010 06:44

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxsmtr.b/nzx05v.d
Lab Smp Id: VSTD005NO Client Smp ID: VSTD005NO
Inj Date : 01-MAR-2010 16:15
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD005NO,,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxsmtr.b/somtr4.m
Meth Date : 03-Mar-2010 06:44 cmp Quant Type: ISTD
Cal Date : 01-MAR-2010 16:15 Cal File: nx05v.d
Als bottle: 6 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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.446	2.446 (0.272)	2182790	5.00000	4.7		
2 Chloromethane	50	2.693	2.693 (0.299)	980792	5.00000	4.1		
\$ 3 Vinyl chloride-d3	65	2.822	2.822 (0.314)	958658	5.00000	4.5		
4 Vinyl chloride	62	2.832	2.832 (0.315)	998904	5.00000	4.5		
5 Bromomethane	94	3.306	3.306 (0.367)	1022024	5.00000	4.7		
\$ 6 Chloroethane-d5	69	3.415	3.415 (0.379)	745721	5.00000	4.6		
7 Chloroethane	64	3.454	3.454 (0.384)	564495	5.00000	4.6		
8 Trichlorofluoromethane	101	3.840	3.840 (0.427)	2333991	5.00000	4.6		
\$ 9 1,1-Dichloroethene-d2	63	4.650	4.650 (0.517)	2201482	5.00000	4.6		
10 1,1-Dichloroethene	96	4.670	4.670 (0.519)	965230	5.00000	4.4		
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.690	4.690 (0.521)	2247975	5.00000	4.6		
12 Acetone	43	4.769	4.769 (0.530)	241379	50.0000	36		
13 Carbon disulfide	76	5.016	5.016 (0.557)	2787531	5.00000	4.3		
14 Methyl acetate	43	5.322	5.322 (0.591)	101091	5.00000	4.4		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride	84	5.441	5.441	(0.605)	720300	5.00000	4.6
16 trans-1,2-Dichloroethene	96	5.886	5.886	(0.654)	1040835	5.00000	4.5
17 Methyl tert-butyl ether	73	5.935	5.935	(0.660)	750188	5.00000	4.6
18 1,1-Dichloroethane	63	6.508	6.508	(0.723)	1725345	5.00000	4.6
\$ 19 2-Butanone-d5	46	7.289	7.289	(0.810)	558287	50.0000	47
20 cis-1,2-Dichloroethene	96	7.319	7.319	(0.813)	885294	5.00000	4.6
21 2-Butanone	43	7.368	7.368	(0.819)	497174	50.0000	46
22 Bromochloromethane	128	7.635	7.635	(0.848)	414380	5.00000	4.7
\$ 23 Chloroform-d	84	7.724	7.724	(0.858)	1843392	5.00000	4.7
24 Chloroform	83	7.754	7.754	(0.862)	1723151	5.00000	4.7
25 1,1,1-Trichloroethane	97	8.011	8.011	(0.630)	1648570	5.00000	4.6
26 Cyclohexane	56	8.100	8.100	(0.637)	994701	5.00000	4.6
27 Carbon tetrachloride	117	8.238	8.238	(0.648)	1778875	5.00000	4.7
\$ 28 1,2-Dichloroethane-d4	65	8.406	8.406	(0.934)	427427	5.00000	4.6
\$ 29 Benzene-d6	84	8.445	8.445	(0.665)	2002370	5.00000	4.6
30 Benzene	78	8.505	8.505	(0.669)	1794361	5.00000	4.6
31 1,2-Dichloroethane	62	8.515	8.515	(0.946)	493894	5.00000	4.7
* 32 1,4-Difluorobenzene	114	8.999	8.999	(1.000)	2018166	5.00000	
33 Trichloroethene	95	9.355	9.355	(0.736)	1420518	5.00000	5.9
\$ 34 1,2-Dichloropropane-d6	67	9.523	9.523	(0.750)	1248272	5.00000	5.0
35 Methylcyclohexane	55	9.622	9.622	(0.757)	1202319	5.00000	4.7
36 1,2-Dichloropropane	63	9.631	9.631	(0.758)	922260	5.00000	4.7
37 Bromodichloromethane	83	9.987	9.987	(0.786)	1717376	5.00000	4.8
38 cis-1,3-Dichloropropene	75	10.560	10.560	(0.831)	1303277	5.00000	4.7
39 4-Methyl-2-pentanone	43	10.768	10.768	(0.848)	2009240	50.0000	48
\$ 40 Toluene-d8	98	10.916	10.916	(0.859)	3113334	5.00000	4.6
41 Toluene	91	10.995	10.995	(0.865)	3207959	5.00000	4.6
\$ 42 trans-1,3-Dichloropropene-d4	79	11.213	11.213	(0.883)	828796	5.00000	4.7
43 trans-1,3-Dichloropropene	75	11.242	11.242	(0.885)	853196	5.00000	4.7
44 1,1,2-Trichloroethane	97	11.480	11.480	(0.904)	523986	5.00000	4.6
45 Tetrachloroethene	164	11.697	11.697	(0.921)	1380425	5.00000	4.7
\$ 46 2-Hexanone-d5	63	11.737	11.737	(0.924)	773167	50.0000	49
47 2-Hexanone	43	11.796	11.796	(0.928)	1281194	50.0000	48
48 Dibromochloromethane	129	11.974	11.974	(0.942)	1211499	5.00000	4.7
49 1,2-Dibromoethane	107	12.132	12.132	(0.955)	808107	5.00000	4.8
* 50 Chlorobenzene-d5	117	12.705	12.705	(1.000)	2599000	5.00000	
51 Chlorobenzene	112	12.735	12.735	(1.002)	2478617	5.00000	4.6
52 Ethylbenzene	91	12.863	12.863	(1.012)	4002119	5.00000	4.7
53 m,p-Xylene	106	13.012	13.012	(1.024)	1587652	5.00000	4.7
54 Styrene	104	13.506	13.506	(1.063)	2253490	5.00000	4.9
55 o-Xylene	106	13.496	13.496	(1.062)	1476371	5.00000	4.8
56 Bromoform	173	13.733	13.733	(0.887)	632998	5.00000	4.8
57 Isopropylbenzene	105	13.951	13.951	(1.098)	4510184	5.00000	4.7
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	14.247	14.247	(1.121)	729648	5.00000	4.7
59 1,1,1,2,2-Tetrachloroethane	83	14.277	14.277	(1.124)	709392	5.00000	4.8
60 1,3-Dichlorobenzene	146	15.413	15.413	(0.996)	2169792	5.00000	4.7
* 61 1,4-Dichlorobenzene-d4	152	15.482	15.482	(1.000)	1408074	5.00000	

Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx05v.d
Report Date: 03-Mar-2010 06:44

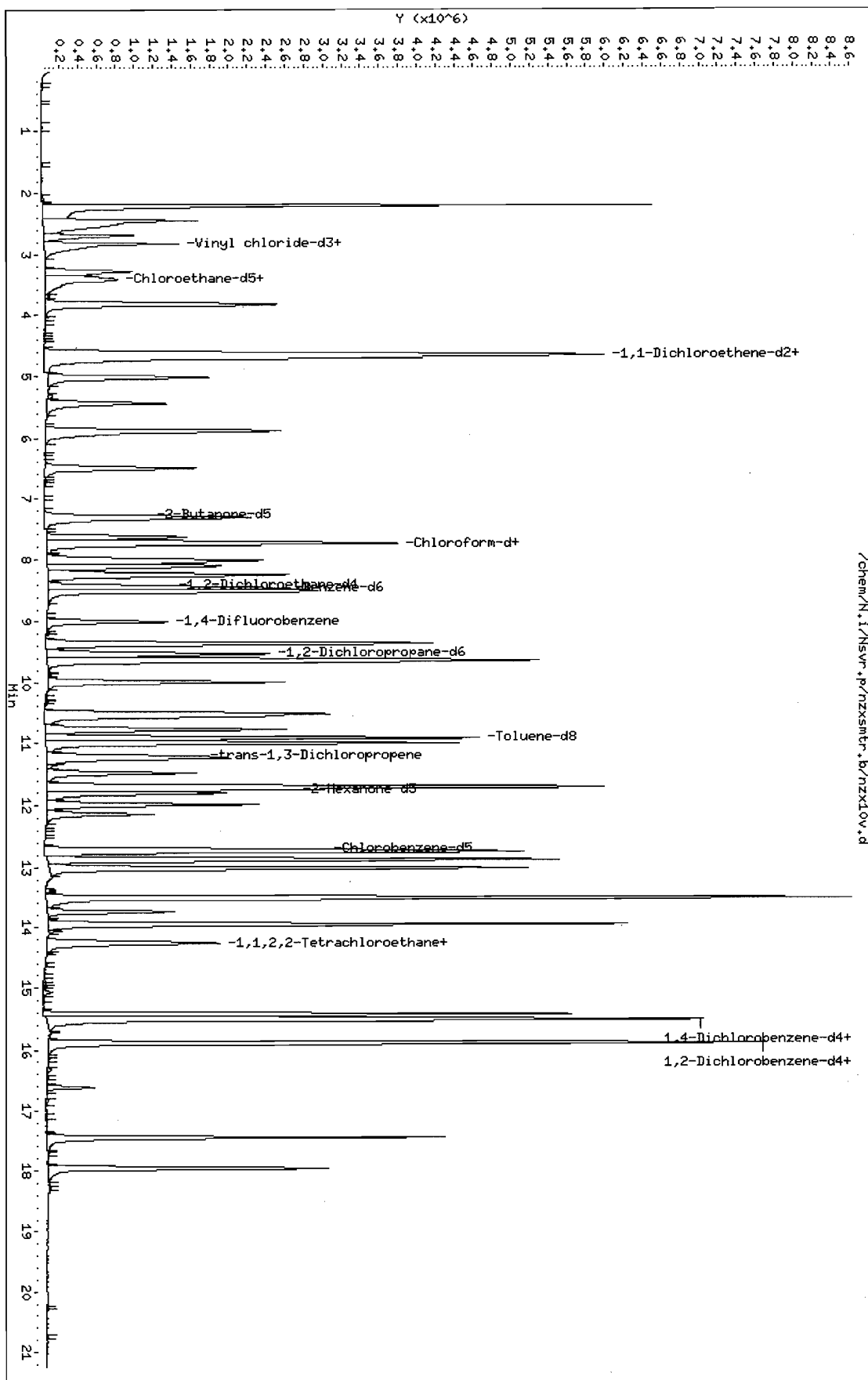
Page 3

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS					CAL-AMT	ON-COL
						(ug/L)	(ug/L)
62 1,4-Dichlorobenzene	146	15.502	15.502	(1.001)	2251337	5.00000	4.5
\$ 63 1,2-Dichlorobenzene-d4	152	15.868	15.868	(1.025)	1098515	5.00000	4.6
64 1,2-Dichlorobenzene	146	15.888	15.888	(1.026)	1653569	5.00000	4.6
65 1,2-Dibromo-3-chloropropane	75	16.609	16.609	(1.073)	105754	5.00000	4.6
66 1,2,4-Trichlorobenzene	180	17.449	17.449	(1.127)	1184926	5.00000	4.6
67 1,2,3-Trichlorobenzene	180	17.953	17.953	(1.160)	894951	5.00000	4.5

Data File: /chem/N.i/NSvr.p/nzxsmt.r.b/nzx10v.d
Date: 01-Mar-2010 16:48
Client ID: VSTD010ND
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: N.i
Operator: HRV
Column diameter: 0.53

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Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx10v.d
Report Date: 03-Mar-2010 06:44

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxsmtr.b/nzx10v.d
Lab Smp Id: VSTD010NO Client Smp ID: VSTD010NO
Inj Date : 01-MAR-2010 16:48
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD010NO,,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxsmtr.b/somtr4.m
Meth Date : 03-Mar-2010 06:44 cmp Quant Type: ISTD
Cal Date : 01-MAR-2010 16:48 Cal File: nxz10v.d
Als bottle: 7 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	AMOUNTS					
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.441	2.446	(0.271)	4302392	10.0000	9.4
2 Chloromethane	50	2.688	2.693	(0.299)	1853208	10.0000	8.1
\$ 3 Vinyl chloride-d3	65	2.816	2.822	(0.313)	1880952	10.0000	9.0
4 Vinyl chloride	62	2.826	2.832	(0.314)	1955656	10.0000	9.0
5 Bromomethane	94	3.281	3.306	(0.365)	1901295	10.0000	8.9
\$ 6 Chloroethane-d5	69	3.399	3.415	(0.378)	1475506	10.0000	9.2
7 Chloroethane	64	3.439	3.454	(0.382)	1099899	10.0000	9.2
8 Trichlorofluoromethane	101	3.824	3.840	(0.425)	4631252	10.0000	9.4
\$ 9 1,1-Dichloroethene-d2	63	4.635	4.650	(0.515)	4215366	10.0000	9.0
10 1,1-Dichloroethene	96	4.654	4.670	(0.518)	1844763	10.0000	8.8
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.674	4.690	(0.520)	4267828	10.0000	9.0
12 Acetone	43	4.753	4.769	(0.529)	515618	100.000	82
13 Carbon disulfide	76	5.010	5.016	(0.557)	5439358	10.0000	8.7
14 Methyl acetate	43	5.307	5.322	(0.590)	186689	10.0000	8.5

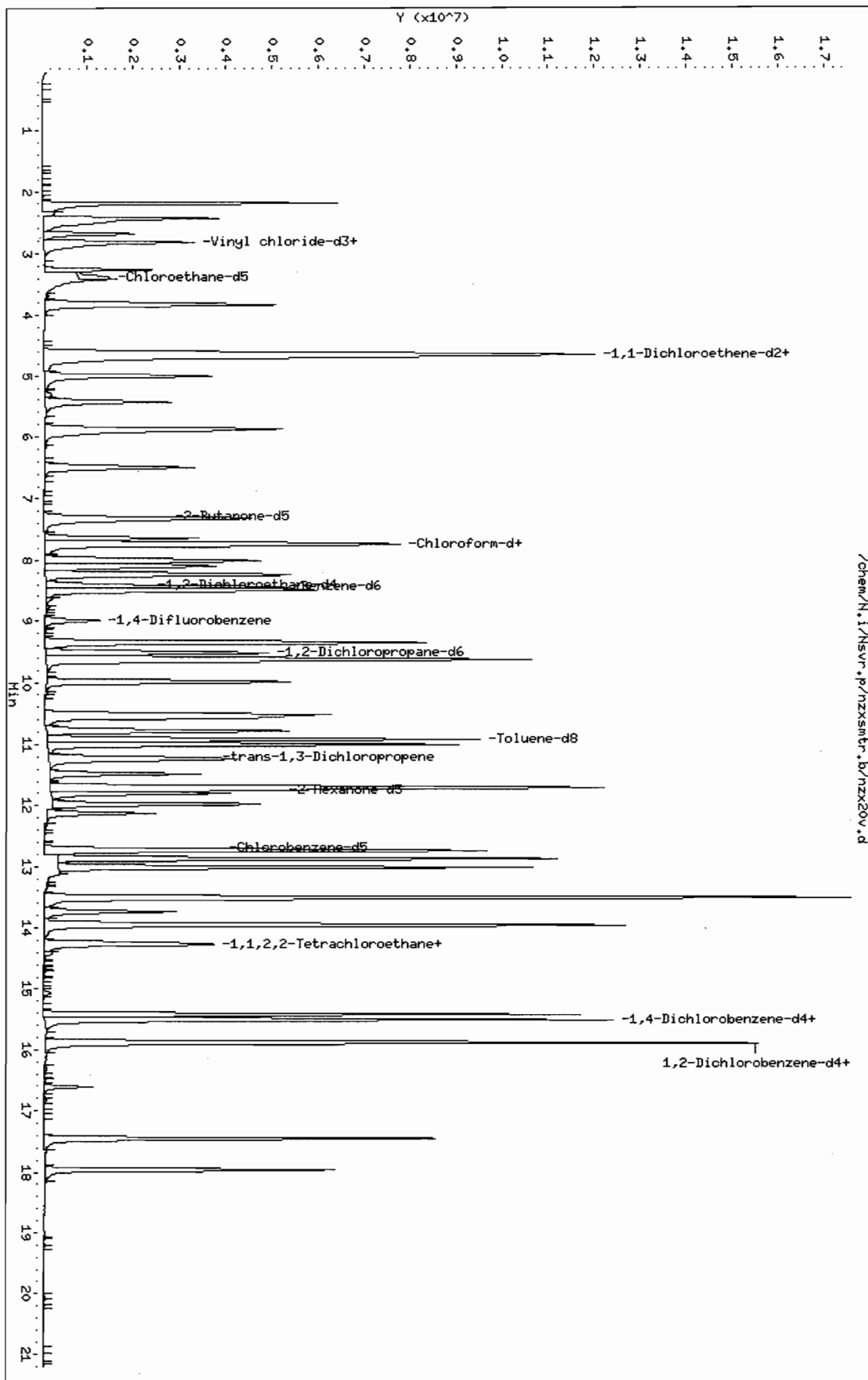
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.435	5.441	(0.604)	1357438	10.0000	8.9
16 trans-1,2-Dichloroethene	96	5.880	5.886	(0.654)	2005706	10.0000	8.9
17 Methyl tert-butyl ether	73	5.929	5.935	(0.659)	1407751	10.0000	8.9
18 1,1-Dichloroethane	63	6.493	6.508	(0.722)	3372175	10.0000	9.2
\$ 19 2-Butanone-d5	46	7.283	7.289	(0.810)	1042110	100.000	90
20 cis-1,2-Dichloroethene	96	7.313	7.319	(0.813)	1668337	10.0000	8.9
21 2-Butanone	43	7.363	7.368	(0.819)	931508	100.000	88
22 Bromochloromethane	128	7.629	7.635	(0.848)	787087	10.0000	9.2
\$ 23 Chloroform-d	84	7.718	7.724	(0.858)	3542775	10.0000	9.1
24 Chloroform	83	7.748	7.754	(0.862)	3265537	10.0000	9.1
25 1,1,1-Trichloroethane	97	8.005	8.011	(0.630)	3227853	10.0000	9.2
26 Cyclohexane	56	8.094	8.100	(0.637)	1909122	10.0000	9.0
27 Carbon tetrachloride	117	8.232	8.238	(0.648)	3414071	10.0000	9.2
\$ 28 1,2-Dichloroethane-d4	65	8.410	8.406	(0.935)	805685	10.0000	9.0
\$ 29 Benzene-d6	84	8.450	8.445	(0.665)	3865630	10.0000	9.2
30 Benzene	78	8.499	8.505	(0.669)	3484838	10.0000	9.2
31 1,2-Dichloroethane	62	8.509	8.515	(0.946)	934747	10.0000	9.1
* 32 1,4-Difluorobenzene	114	8.993	8.999	(1.000)	2028320	5.00000	
33 Trichloroethene	95	9.349	9.355	(0.736)	2754097	10.0000	11
\$ 34 1,2-Dichloropropane-d6	67	9.517	9.523	(0.749)	2355969	10.0000	9.5
35 Methylcyclohexane	55	9.626	9.622	(0.758)	2308535	10.0000	9.2
36 1,2-Dichloropropane	63	9.636	9.631	(0.759)	1803562	10.0000	9.3
37 Bromodichloromethane	83	9.992	9.987	(0.787)	3245399	10.0000	9.2
38 cis-1,3-Dichloropropene	75	10.555	10.560	(0.831)	2474514	10.0000	9.1
39 4-Methyl-2-pentanone	43	10.772	10.768	(0.848)	3682541	100.000	90
\$ 40 Toluene-d8	98	10.911	10.916	(0.859)	6008022	10.0000	9.1
41 Toluene	91	11.000	10.995	(0.866)	6162031	10.0000	9.1
\$ 42 trans-1,3-Dichloropropene-d4	79	11.207	11.213	(0.882)	1575174	10.0000	9.2
43 trans-1,3-Dichloropropene	75	11.247	11.242	(0.886)	1663576	10.0000	9.4
44 1,1,2-Trichloroethane	97	11.474	11.480	(0.903)	1005438	10.0000	9.1
45 Tetrachloroethene	164	11.691	11.697	(0.921)	2651342	10.0000	9.1
\$ 46 2-Hexanone-d5	63	11.741	11.737	(0.924)	1433117	100.000	92
47 2-Hexanone	43	11.800	11.796	(0.929)	2479972	100.000	94
48 Dibromochloromethane	129	11.978	11.974	(0.943)	2321127	10.0000	9.2
49 1,2-Dibromoethane	107	12.126	12.132	(0.955)	1512187	10.0000	9.1
* 50 Chlorobenzene-d5	117	12.700	12.705	(1.000)	2618980	5.00000	
51 Chlorobenzene	112	12.739	12.735	(1.003)	4828755	10.0000	9.1
52 Ethylbenzene	91	12.868	12.863	(1.013)	7693320	10.0000	9.2
53 m,p-Xylene	106	13.006	13.012	(1.024)	2973174	10.0000	9.1
54 Styrene	104	13.510	13.506	(1.064)	4200909	10.0000	9.3
55 o-Xylene	106	13.500	13.496	(1.063)	2744569	10.0000	9.2
56 Bromoform	173	13.737	13.733	(0.888)	1210248	10.0000	9.3
57 Isopropylbenzene	105	13.945	13.951	(1.098)	8661464	10.0000	9.3
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.241	14.247	(1.121)	1380928	10.0000	9.2
59 1,1,2,2-Tetrachloroethane	83	14.271	14.277	(1.124)	1358810	10.0000	9.4
60 1,3-Dichlorobenzene	146	15.418	15.413	(0.996)	4251603	10.0000	9.2
* 61 1,4-Dichlorobenzene-d4	152	15.477	15.482	(1.000)	1430847	5.00000	

						AMOUNTS	
		QUANT		SIG		CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.506	15.502	(1.002)	4304096	10.0000	8.9
\$ 63 1,2-Dichlorobenzene-d4	152	15.872	15.868	(1.026)	2105821	10.0000	9.0
64 1,2-Dichlorobenzene	146	15.892	15.888	(1.027)	3120765	10.0000	8.9
65 1,2-Dibromo-3-chloropropane	75	16.613	16.609	(1.073)	205929	10.0000	9.1
66 1,2,4-Trichlorobenzene	180	17.444	17.449	(1.127)	2319893	10.0000	9.2
67 1,2,3-Trichlorobenzene	180	17.958	17.953	(1.160)	1701138	10.0000	8.8

Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx20v.d
Date : 01-MAR-2010 17:21
Client ID: VSTD020ND
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: N.i
Operator: HRV
Column diameter: 0.53

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Data File: /chem/N.i/Nsvr.p/nzxsmtr.b/nzx20v.d
Report Date: 03-Mar-2010 06:44

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxsmtr.b/nzx20v.d
Lab Smp Id: VSTD020NO Client Smp ID: VSTD020NO
Inj Date : 01-MAR-2010 17:21
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD020NO,,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxsmtr.b/somtr4.m
Meth Date : 03-Mar-2010 06:44 cmp Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nx20v.d
Als bottle: 8 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	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.431	2.446	(0.270)	8738121	20.0000	21(A)
2 Chloromethane	50	2.678	2.693	(0.298)	3836853	20.0000	19
\$ 3 Vinyl chloride-d3	65	2.807	2.822	(0.312)	3897567	20.0000	21(A)
4 Vinyl chloride	62	2.817	2.832	(0.313)	4021156	20.0000	20(A)
5 Bromomethane	94	3.252	3.306	(0.362)	3835952	20.0000	20(A)
\$ 6 Chloroethane-d5	69	3.380	3.415	(0.376)	2976971	20.0000	21(A)
7 Chloroethane	64	3.420	3.454	(0.380)	2238294	20.0000	21(A)
8 Trichlorofluoromethane	101	3.815	3.840	(0.424)	9462360	20.0000	21(A)
\$ 9 1,1-Dichloroethene-d2	63	4.626	4.650	(0.514)	8695202	20.0000	20(A)
10 1,1-Dichloroethene	96	4.645	4.670	(0.516)	3731710	20.0000	20
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.665	4.690	(0.519)	8587619	20.0000	20(A)
12 Acetone	43	4.754	4.769	(0.529)	1052829	200.000	190
13 Carbon disulfide	76	5.001	5.016	(0.556)	11066732	20.0000	20
14 Methyl acetate	43	5.307	5.322	(0.590)	392961	20.0000	20

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ug/L)	ON-COL (ug/L)
=====	----	--	-----	-----	-----	-----	-----
15 Methylene chloride	84	5.426	5.441	(0.603)	2853656	20.0000	21 (A)
16 trans-1,2-Dichloroethene	96	5.871	5.886	(0.653)	4141027	20.0000	20 (A)
17 Methyl tert-butyl ether	73	5.920	5.935	(0.658)	2962344	20.0000	21 (A)
18 1,1-Dichloroethane	63	6.493	6.508	(0.722)	6810983	20.0000	21 (A)
\$ 19 2-Butanone-d5	46	7.284	7.289	(0.810)	2185068	200.000	210 (A)
20 cis-1,2-Dichloroethene	96	7.314	7.319	(0.813)	3469326	20.0000	20 (A)
21 2-Butanone	43	7.363	7.368	(0.819)	1956228	200.000	200 (A)
22 Bromochloromethane	128	7.630	7.635	(0.848)	1673715	20.0000	21 (A)
\$ 23 Chloroform-d	84	7.719	7.724	(0.858)	7370802	20.0000	21 (A)
24 Chloroform	83	7.739	7.754	(0.860)	6773472	20.0000	21 (A)
25 1,1,1-Trichloroethane	97	8.006	8.011	(0.630)	6660887	20.0000	20 (A)
26 Cyclohexane	56	8.095	8.100	(0.637)	3839290	20.0000	20
27 Carbon tetrachloride	117	8.233	8.238	(0.648)	7077724	20.0000	21 (A)
\$ 28 1,2-Dichloroethane-d4	65	8.401	8.406	(0.934)	1703466	20.0000	21 (A)
\$ 29 Benzene-d6	84	8.441	8.445	(0.665)	7913327	20.0000	20 (A)
30 Benzene	78	8.490	8.505	(0.668)	6941609	20.0000	20
31 1,2-Dichloroethane	62	8.500	8.515	(0.945)	1962890	20.0000	21 (A)
* 32 1,4-Difluorobenzene	114	8.994	8.999	(1.000)	1826813	5.00000	
33 Trichloroethene	95	9.350	9.355	(0.736)	5539445	20.0000	23 (A)
\$ 34 1,2-Dichloropropane-d6	67	9.518	9.523	(0.749)	4817646	20.0000	21 (A)
35 Methylcyclohexane	55	9.617	9.622	(0.757)	4608316	20.0000	20
36 1,2-Dichloropropane	63	9.636	9.631	(0.759)	3626660	20.0000	20 (A)
37 Bromodichloromethane	83	9.982	9.987	(0.786)	6759980	20.0000	21 (A)
38 cis-1,3-Dichloropropene	75	10.556	10.560	(0.831)	5047581	20.0000	20 (A)
39 4-Methyl-2-pentanone	43	10.773	10.768	(0.848)	7700515	200.000	200 (A)
\$ 40 Toluene-d8	98	10.911	10.916	(0.859)	12256588	20.0000	20 (A)
41 Toluene	91	11.000	10.995	(0.866)	12520129	20.0000	20 (A)
\$ 42 trans-1,3-Dichloropropene-d4	79	11.208	11.213	(0.882)	3374641	20.0000	21 (A)
43 trans-1,3-Dichloropropene	75	11.247	11.242	(0.886)	3476689	20.0000	21 (A)
44 1,1,2-Trichloroethane	97	11.475	11.480	(0.904)	2078189	20.0000	20 (A)
45 Tetrachloroethene	164	11.692	11.697	(0.921)	5339586	20.0000	20
\$ 46 2-Hexanone-d5	63	11.742	11.737	(0.924)	2925308	200.000	200 (A)
47 2-Hexanone	43	11.801	11.796	(0.929)	5060301	200.000	210 (A)
48 Dibromochloromethane	129	11.979	11.974	(0.943)	4839395	20.0000	21 (A)
49 1,2-Dibromoethane	107	12.127	12.132	(0.955)	3151435	20.0000	21 (A)
* 50 Chlorobenzene-d5	117	12.700	12.705	(1.000)	2414706	5.00000	
51 Chlorobenzene	112	12.740	12.735	(1.003)	9942966	20.0000	20 (A)
52 Ethylbenzene	91	12.868	12.863	(1.013)	15816525	20.0000	20 (A)
53 m,p-Xylene	106	13.007	13.012	(1.024)	5881661	20.0000	20
54 Styrene	104	13.511	13.506	(1.064)	8561162	20.0000	20 (A)
55 o-Xylene	106	13.501	13.496	(1.063)	5531970	20.0000	20 (A)
56 Bromoform	173	13.738	13.733	(0.888)	2554617	20.0000	21 (A)
57 Isopropylbenzene	105	13.946	13.951	(1.098)	17767479	20.0000	20 (A)
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.242	14.247	(1.121)	2798422	20.0000	20 (A)
59 1,1,2,2-Tetrachloroethane	83	14.272	14.277	(1.124)	2746643	20.0000	20 (A)
60 1,3-Dichlorobenzene	146	15.408	15.413	(0.996)	8731225	20.0000	21 (A)
* 61 1,4-Dichlorobenzene-d4	152	15.477	15.482	(1.000)	1285984	5.00000	(Q)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	(ug/L)
62 1,4-Dichlorobenzene		146	15.507	15.502	(1.002)	8598806	20.0000	20
\$ 63 1,2-Dichlorobenzene-d4		152	15.873	15.868	(1.026)	4354382	20.0000	21 (A)
64 1,2-Dichlorobenzene		146	15.893	15.888	(1.027)	6367683	20.0000	20 (A)
65 1,2-Dibromo-3-chloropropane		75	16.614	16.609	(1.073)	435263	20.0000	21 (A)
66 1,2,4-Trichlorobenzene		180	17.444	17.449	(1.127)	4743972	20.0000	21 (A)
67 1,2,3-Trichlorobenzene		180	17.948	17.953	(1.160)	3488534	20.0000	20

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.: 136246
Instrument ID: N.i Calibration Date: 03/11/2010 Time: 2019
Lab File ID: NZX005HV Init. Calib. Date(s): 03/01/2010 03/01/2010
EPA Sample No. (VSTD#####): VSTD005NY Init. Calib. Time(s): 1510 1721
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.143	1.000	0.010	-12.5	40.0
Chloromethane	0.554	0.501	0.010	-9.6	40.0
Vinyl chloride	0.538	0.524	0.100	-2.7	30.0
Bromomethane	0.525	0.539	0.100	2.7	30.0
Chloroethane	0.297	0.298	0.010	0.3	40.0
Trichlorofluoromethane	1.236	1.202	0.010	-2.7	40.0
1,1-Dichloroethene	0.516	0.511	0.100	-1.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.173	1.148	0.010	-2.1	40.0
Acetone	0.015	0.013	0.010	-17.4	40.0
Carbon disulfide	1.535	1.464	0.010	-4.6	40.0
Methyl acetate	0.054	0.049	0.010	-9.4	40.0
Methylene chloride	0.377	0.363	0.010	-3.8	40.0
trans-1,2-Dichloroethene	0.557	0.555	0.010	-0.4	40.0
Methyl tert-butyl ether	0.393	0.353	0.010	-10.3	40.0
1,1-Dichloroethane	0.908	0.878	0.200	-3.3	30.0
cis-1,2-Dichloroethene	0.465	0.455	0.010	-2.2	40.0
2-Butanone	0.026	0.023	0.010	-12.7	40.0
Bromochloromethane	0.215	0.206	0.050	-4.2	30.0
Chloroform	0.892	0.889	0.200	-0.4	30.0
1,1,1-Trichloroethane	0.676	0.689	0.100	1.8	30.0
Cyclohexane	0.403	0.400	0.010	-0.6	40.0
Carbon tetrachloride	0.712	0.722	0.100	1.4	30.0
Benzene	0.724	0.742	0.400	2.5	30.0
1,2-Dichloroethane	0.256	0.249	0.100	-2.7	30.0
Trichloroethene	0.499	0.599	0.300	20.0	30.0
Methylcyclohexane	0.479	0.489	0.010	2.0	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.: 136246
Instrument ID: N.i Calibration Date: 03/11/2010 Time: 2019
Lab File ID: NZX005HV Init. Calib. Date(s): 03/01/2010 03/01/2010
EPA Sample No. (VSTD####): VSTD005NY Init. Calib. Time(s): 1510 1721
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.372	0.372	0.010	-0.0	40.0
Bromodichloromethane	0.679	0.689	0.200	1.4	30.0
cis-1,3-Dichloropropene	0.519	0.515	0.200	-0.7	30.0
4-Methyl-2-pentanone	0.079	0.070	0.010	-11.5	40.0
Toluene	1.294	1.330	0.400	2.7	30.0
trans-1,3-Dichloropropene	0.343	0.333	0.100	-3.1	30.0
1,1,2-Trichloroethane	0.213	0.206	0.100	-2.9	30.0
Tetrachloroethene	0.553	0.586	0.100	6.0	30.0
2-Hexanone	0.051	0.048	0.010	-4.9	40.0
Dibromochloromethane	0.487	0.484	0.100	-0.6	30.0
1,2-Dibromoethane	0.318	0.312	0.010	-2.1	40.0
Chlorobenzene	1.013	1.037	0.500	2.4	30.0
Ethylbenzene	1.602	1.691	0.100	5.6	30.0
o-Xylene	0.572	0.601	0.300	5.1	30.0
m,p-Xylene	0.622	0.644	0.300	3.5	30.0
Styrene	0.866	0.907	0.300	4.7	30.0
Bromoform	0.465	0.428	0.050	-8.0	30.0
Isopropylbenzene	1.797	1.932	0.010	7.5	40.0
1,1,2,2-Tetrachloroethane	0.278	0.272	0.100	-2.2	30.0
1,3-Dichlorobenzene	1.627	1.595	0.400	-2.0	30.0
1,4-Dichlorobenzene	1.691	1.585	0.400	-6.2	30.0
1,2-Dichlorobenzene	1.226	1.161	0.400	-5.3	30.0
1,2-Dibromo-3-chloropropane	0.080	0.074	0.010	-8.2	40.0
1,2,4-Trichlorobenzene	0.892	0.881	0.200	-1.1	30.0
1,2,3-Trichlorobenzene	0.679	0.644	0.200	-5.2	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.: 136246
Instrument ID: N.i Calibration Date: 03/11/2010 Time: 2019
Lab File ID: NZX005HV Init. Calib. Date(s): 03/01/2010 03/01/2010
EPA Sample No. (VSTD#####): VSTD005NY Init. Calib. Time(s): 1510 1721
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.519	0.513	0.010	-1.2	30.0
Chloroethane-d5	0.396	0.406	0.010	2.4	40.0
1,1-Dichloroethene-d2	1.162	1.122	0.010	-3.4	30.0
2-Butanone-d5	0.029	0.026	0.010	-11.6	40.0
Chloroform-d	0.966	0.969	0.010	0.4	30.0
1,2-Dichloroethane-d4	0.223	0.212	0.010	-5.1	30.0
Benzene-d6	0.809	0.848	0.010	4.8	30.0
1,2-Dichloropropane-d6	0.478	0.512	0.010	7.1	40.0
Toluene-d8	1.257	1.316	0.010	4.7	30.0
trans-1,3-Dichloropropene-d4	0.332	0.331	0.010	-0.3	30.0
2-Hexanone-d5	0.030	0.027	0.010	-7.9	40.0
1,1,2,2-Tetrachloroethane-d2	0.288	0.293	0.010	1.7	30.0
1,2-Dichlorobenzene-d4	0.825	0.863	0.010	4.6	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzx005hv.d

Date: 11-MAR-2010 20:19

Client ID: VSTD005NY

Sample Info:

Purge Volume: 25.0

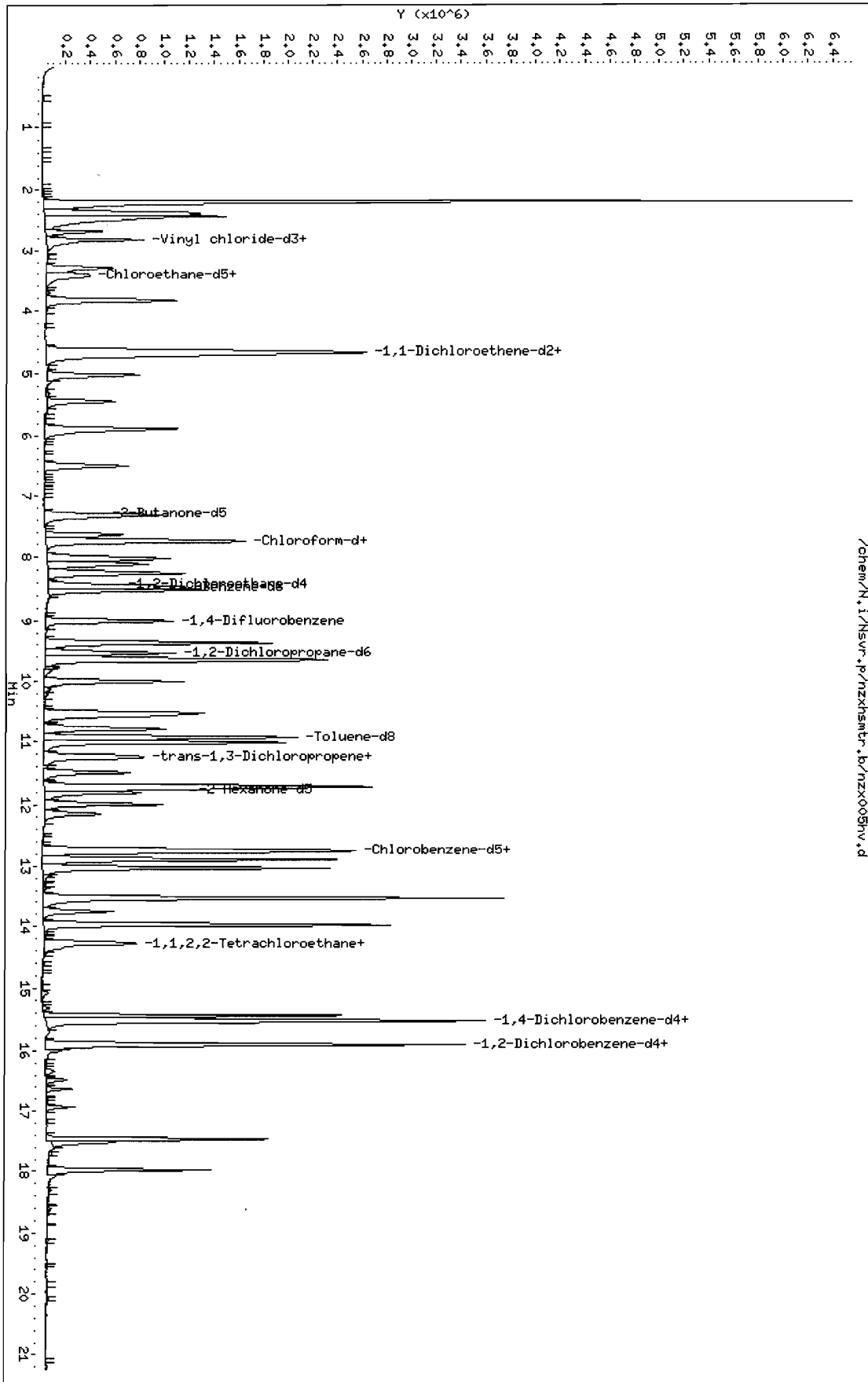
Column phase: DB-624

Instrument: N.i

Operator: JP1

Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/nzx005hv.d
Lab Smp Id: VSTD005NY Client Smp ID: VSTD005NY
Inj Date : 11-MAR-2010 20:19
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD005NY,031110NY,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jdl Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	2.431	2.431 (0.270)			1611525	5.00000	4.4
2 Chloromethane	50	2.678	2.678 (0.297)			807564	5.00000	4.5
\$ 3 Vinyl chloride-d3	65	2.816	2.816 (0.313)			826640	5.00000	4.9
4 Vinyl chloride	62	2.826	2.826 (0.314)			844512	5.00000	4.9
5 Bromomethane	94	3.291	3.291 (0.366)			868125	5.00000	5.1
\$ 6 Chloroethane-d5	69	3.400	3.400 (0.378)			654229	5.00000	5.1
7 Chloroethane	64	3.439	3.439 (0.382)			481032	5.00000	5.0
8 Trichlorofluoromethane	101	3.834	3.834 (0.426)			1937701	5.00000	4.9
\$ 9 1,1-Dichloroethene-d2	63	4.635	4.635 (0.515)			1809199	5.00000	4.8
10 1,1-Dichloroethene	96	4.655	4.655 (0.517)			823650	5.00000	5.0
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.684	4.684 (0.520)			1851067	5.00000	4.9
12 Acetone	43	4.763	4.763 (0.529)			203356	50.0000	41
13 Carbon disulfide	76	5.011	5.011 (0.556)			2359230	5.00000	4.8
14 Methyl acetate	43	5.317	5.317 (0.591)			79058	5.00000	4.5

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
15 Methylene chloride		84	5.436	5.436	(0.604)	585453	5.00000	4.8
16 trans-1,2-Dichloroethene		96	5.880	5.880	(0.653)	893906	5.00000	5.0
17 Methyl tert-butyl ether		73	5.940	5.940	(0.660)	568622	5.00000	4.5
18 1,1-Dichloroethane		63	6.503	6.503	(0.722)	1415111	5.00000	4.8
\$ 19 2-Butanone-d5		46	7.294	7.294	(0.810)	411876	50.0000	44
20 cis-1,2-Dichloroethene		96	7.323	7.323	(0.813)	733342	5.00000	4.9
21 2-Butanone		43	7.373	7.373	(0.819)	367827	50.0000	44
22 Bromochloromethane		128	7.640	7.640	(0.848)	332135	5.00000	4.8
\$ 23 Chloroform-d		84	7.729	7.729	(0.858)	1562271	5.00000	5.0
24 Chloroform		83	7.758	7.758	(0.862)	1432596	5.00000	5.0
25 1,1,1-Trichloroethane		97	8.015	8.015	(0.630)	1413519	5.00000	5.1
26 Cyclohexane		56	8.104	8.104	(0.637)	821912	5.00000	5.0
27 Carbon tetrachloride		117	8.242	8.242	(0.648)	1481270	5.00000	5.1
\$ 28 1,2-Dichloroethane-d4		65	8.420	8.420	(0.935)	341658	5.00000	4.7
\$ 29 Benzene-d6		84	8.450	8.450	(0.664)	1740986	5.00000	5.2
30 Benzene		78	8.509	8.509	(0.669)	1523647	5.00000	5.1
31 1,2-Dichloroethane		62	8.509	8.509	(0.945)	401501	5.00000	4.9
* 32 1,4-Difluorobenzene		114	9.003	9.003	(1.000)	1612041	5.00000	
33 Trichloroethene		95	9.359	9.359	(0.736)	1230439	5.00000	6.0
\$ 34 1,2-Dichloropropane-d6		67	9.527	9.527	(0.749)	1050816	5.00000	5.4
35 Methylcyclohexane		55	9.636	9.636	(0.758)	1004254	5.00000	5.1
36 1,2-Dichloropropane		63	9.646	9.646	(0.758)	763145	5.00000	5.0
37 Bromodichloromethane		83	10.002	10.002	(0.786)	1413930	5.00000	5.1
38 cis-1,3-Dichloropropene		75	10.575	10.575	(0.831)	1058126	5.00000	5.0
39 4-Methyl-2-pentanone		43	10.782	10.782	(0.848)	1426641	50.0000	44
\$ 40 Toluene-d8		98	10.921	10.921	(0.859)	2701522	5.00000	5.2
41 Toluene		91	11.010	11.010	(0.866)	2729276	5.00000	5.1
\$ 42 trans-1,3-Dichloropropene-d4		79	11.227	11.227	(0.883)	679538	5.00000	5.0
43 trans-1,3-Dichloropropene		75	11.257	11.257	(0.885)	682576	5.00000	4.8
44 1,1,2-Trichloroethane		97	11.494	11.494	(0.904)	423510	5.00000	4.9
45 Tetrachloroethene		164	11.712	11.712	(0.921)	1203787	5.00000	5.3
\$ 46 2-Hexanone-d5		63	11.751	11.751	(0.924)	563867	50.0000	46
47 2-Hexanone		43	11.810	11.810	(0.928)	993990	50.0000	48
48 Dibromochloromethane		129	11.988	11.988	(0.942)	993512	5.00000	5.0
49 1,2-Dibromoethane		107	12.137	12.137	(0.954)	639653	5.00000	4.9
* 50 Chlorobenzene-d5		117	12.720	12.720	(1.000)	2052683	5.00000	
51 Chlorobenzene		112	12.749	12.749	(1.002)	2129598	5.00000	5.1
52 Ethylbenzene		91	12.888	12.888	(1.013)	3470949	5.00000	5.3
53 m,p-Xylene		106	13.026	13.026	(1.024)	1322146	5.00000	5.2
54 Styrene		104	13.530	13.530	(1.064)	1862799	5.00000	5.2
55 o-Xylene		106	13.510	13.510	(1.062)	1232890	5.00000	5.3
56 Bromoform		173	13.757	13.757	(0.888)	493541	5.00000	4.6
57 Isopropylbenzene		105	13.965	13.965	(1.098)	3965768	5.00000	5.4
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.261	14.261	(1.121)	601591	5.00000	5.1
59 1,1,2,2-Tetrachloroethane		83	14.291	14.291	(1.124)	559105	5.00000	4.9
60 1,3-Dichlorobenzene		146	15.428	15.428	(0.996)	1838900	5.00000	4.9
* 61 1,4-Dichlorobenzene-d4		152	15.497	15.497	(1.000)	1153048	5.00000	

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzx005hv.d
 Report Date: 21-Mar-2010 11:12

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Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	15.527	15.527	(1.002)	1827942	5.00000	4.7
\$ 63 1,2-Dichlorobenzene-d4	152	15.882	15.882	(1.025)	995086	5.00000	5.2
64 1,2-Dichlorobenzene	146	15.902	15.902	(1.026)	1339213	5.00000	4.7
65 1,2-Dibromo-3-chloropropane	75	16.633	16.633	(1.073)	85213	5.00000	4.6
66 1,2,4-Trichlorobenzene	180	17.464	17.464	(1.127)	1016378	5.00000	4.9
67 1,2,3-Trichlorobenzene	180	17.968	17.968	(1.159)	742052	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.: 136246
 Instrument ID: N.i Calibration Date: 03/12/2010 Time: 0458
 Lab File ID: NZX05HC1 Init. Calib. Date(s): 03/01/2010 03/01/2010
 EPA Sample No.(VSTD#####): VSTD005YN Init. Calib. Time(s): 1510 1721
 Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
 Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.143	1.099	0.010	-3.8	50.0
Chloromethane	0.554	0.486	0.010	-12.3	50.0
Vinyl chloride	0.538	0.512	0.010	-4.9	50.0
Bromomethane	0.525	0.546	0.010	4.2	50.0
Chloroethane	0.297	0.296	0.010	-0.6	50.0
Trichlorofluoromethane	1.236	1.214	0.010	-1.7	50.0
1,1-Dichloroethene	0.516	0.504	0.010	-2.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.173	1.152	0.010	-1.8	50.0
Acetone	0.015	0.011	0.010	-26.8	50.0
Carbon disulfide	1.535	1.423	0.010	-7.3	50.0
Methyl acetate	0.054	0.039	0.010	-28.6	50.0
Methylene chloride	0.377	0.370	0.010	-2.0	50.0
trans-1,2-Dichloroethene	0.557	0.528	0.010	-5.3	50.0
Methyl tert-butyl ether	0.393	0.382	0.010	-2.9	50.0
1,1-Dichloroethane	0.908	0.893	0.010	-1.6	50.0
cis-1,2-Dichloroethene	0.465	0.465	0.010	-0.1	50.0
2-Butanone	0.026	0.023	0.010	-11.7	50.0
Bromochloromethane	0.215	0.221	0.010	2.9	50.0
Chloroform	0.892	0.903	0.010	1.2	50.0
1,1,1-Trichloroethane	0.676	0.682	0.010	0.9	50.0
Cyclohexane	0.403	0.383	0.010	-5.1	50.0
Carbon tetrachloride	0.712	0.710	0.010	-0.2	50.0
Benzene	0.724	0.739	0.010	2.0	50.0
1,2-Dichloroethane	0.256	0.266	0.010	3.9	50.0
Trichloroethene	0.499	0.533	0.010	6.7	50.0
Methylcyclohexane	0.479	0.468	0.010	-2.4	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.: 136246
Instrument ID: N.i Calibration Date: 03/12/2010 Time: 0458
Lab File ID: NZX05HC1 Init. Calib. Date(s): 03/01/2010 03/01/2010
EPA Sample No. (VSTD#####): VSTD005YN Init. Calib. Time(s): 1510 1721
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.372	0.381	0.010	2.4	50.0
Bromodichloromethane	0.679	0.676	0.010	-0.5	50.0
cis-1,3-Dichloropropene	0.519	0.514	0.010	-1.0	50.0
4-Methyl-2-pentanone	0.079	0.073	0.010	-6.9	50.0
Toluene	1.294	1.336	0.010	3.2	50.0
trans-1,3-Dichloropropene	0.343	0.331	0.010	-3.6	50.0
1,1,2-Trichloroethane	0.213	0.216	0.010	1.6	50.0
Tetrachloroethene	0.553	0.557	0.010	0.6	50.0
2-Hexanone	0.051	0.048	0.010	-4.8	50.0
Dibromochloromethane	0.487	0.496	0.010	1.8	50.0
1,2-Dibromoethane	0.318	0.330	0.010	3.6	50.0
Chlorobenzene	1.013	1.020	0.010	0.7	50.0
Ethylbenzene	1.602	1.633	0.010	2.0	50.0
o-Xylene	0.572	0.591	0.010	3.3	50.0
m,p-Xylene	0.622	0.655	0.010	5.2	50.0
Styrene	0.866	0.890	0.010	2.7	50.0
Bromoform	0.465	0.469	0.010	0.9	50.0
Isopropylbenzene	1.797	1.867	0.010	3.9	50.0
1,1,2,2-Tetrachloroethane	0.278	0.287	0.010	3.1	50.0
1,3-Dichlorobenzene	1.627	1.632	0.010	0.3	50.0
1,4-Dichlorobenzene	1.691	1.673	0.010	-1.1	50.0
1,2-Dichlorobenzene	1.226	1.249	0.010	1.9	50.0
1,2-Dibromo-3-chloropropane	0.080	0.074	0.010	-7.8	50.0
1,2,4-Trichlorobenzene	0.892	0.889	0.010	-0.3	50.0
1,2,3-Trichlorobenzene	0.679	0.660	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.: 136246
Instrument ID: N.i Calibration Date: 03/12/2010 Time: 0458
Lab File ID: NZX05HC1 Init. Calib. Date(s): 03/01/2010 03/01/2010
EPA Sample No. (VSTD#####): VSTD005YN Init. Calib. Time(s): 1510 1721
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.519	0.501	0.010	-3.4	50.0
Chloroethane-d5	0.396	0.403	0.010	1.7	50.0
1,1-Dichloroethene-d2	1.162	1.106	0.010	-4.8	50.0
2-Butanone-d5	0.029	0.026	0.010	-8.5	50.0
Chloroform-d	0.966	0.968	0.010	0.3	50.0
1,2-Dichloroethane-d4	0.223	0.221	0.010	-1.0	50.0
Benzene-d6	0.809	0.811	0.010	0.3	50.0
1,2-Dichloropropane-d6	0.478	0.493	0.010	3.2	50.0
Toluene-d8	1.257	1.262	0.010	0.3	50.0
trans-1,3-Dichloropropene-d4	0.332	0.320	0.010	-3.5	50.0
2-Hexanone-d5	0.030	0.029	0.010	-3.6	50.0
1,1,2,2-Tetrachloroethane-d2	0.288	0.296	0.010	2.8	50.0
1,2-Dichlorobenzene-d4	0.825	0.843	0.010	2.2	50.0

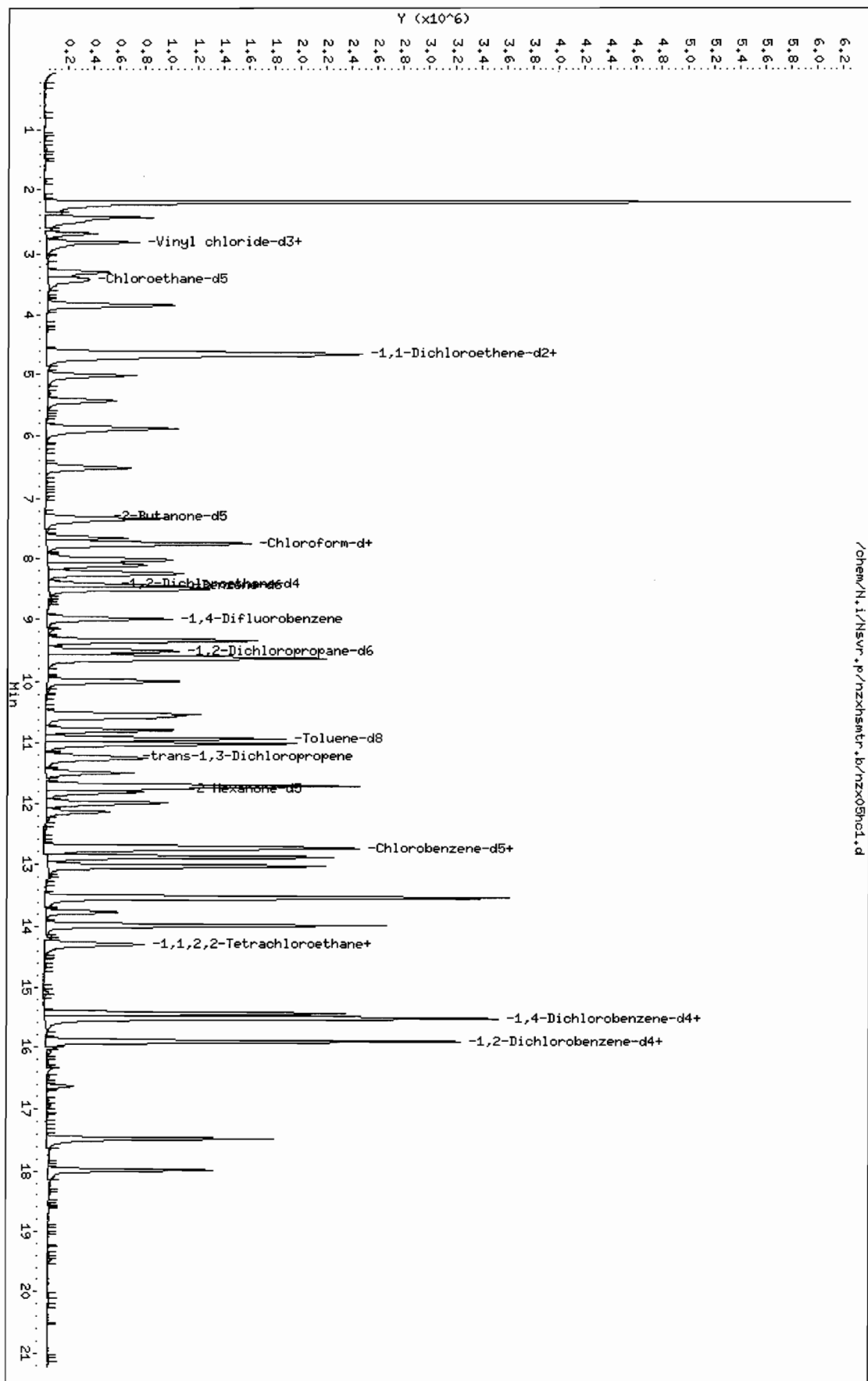
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsivr.p/nzxhsmt.r.b/nzx05hcl.d
Date: 12-MAR-2010 04:58
Client ID: VSTD0057N
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: N.i
Operator: JF1
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/nzx05hc1.d
Lab Smp Id: VSTD005YN Client Smp ID: VSTD005YN
Inj Date : 12-MAR-2010 04:58
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VSTD005YN,031110NY,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jd1 Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nxz20v.d
Als bottle: 12 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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		2.434	2.431	(0.271)	1673733	5.00000	4.8
2 Chloromethane	50		2.691	2.678	(0.299)	739874	5.00000	4.4
\$ 3 Vinyl chloride-d3	65		2.820	2.816	(0.313)	763183	5.00000	4.8
4 Vinyl chloride	62		2.830	2.826	(0.314)	779911	5.00000	4.8
5 Bromomethane	94		3.294	3.291	(0.366)	831985	5.00000	5.2
\$ 6 Chloroethane-d5	69		3.403	3.400	(0.378)	613886	5.00000	5.1
7 Chloroethane	64		3.442	3.439	(0.383)	449959	5.00000	5.0
8 Trichlorofluoromethane	101		3.838	3.834	(0.427)	1848492	5.00000	4.9
\$ 9 1,1-Dichloroethene-d2	63		4.638	4.635	(0.516)	1683159	5.00000	4.8
10 1,1-Dichloroethene	96		4.658	4.655	(0.518)	767356	5.00000	4.9
11 1,1,2-Trichloro-1,2,2-trifluo	101		4.688	4.684	(0.521)	1754027	5.00000	4.9
12 Acetone	43		4.767	4.763	(0.530)	170295	50.0000	37
13 Carbon disulfide	76		5.014	5.011	(0.557)	2166805	5.00000	4.6
14 Methyl acetate	43		5.320	5.317	(0.591)	58891	5.00000	3.6

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride		84	5.439	5.436	(0.605)	562931	5.00000	4.9
16 trans-1,2-Dichloroethene		96	5.883	5.880	(0.654)	803395	5.00000	4.7
17 Methyl tert-butyl ether		73	5.933	5.940	(0.659)	581169	5.00000	4.9
18 1,1-Dichloroethane		63	6.506	6.503	(0.723)	1359950	5.00000	4.9
\$ 19 2-Butanone-d5		46	7.297	7.294	(0.811)	402339	50.0000	46
20 cis-1,2-Dichloroethene		96	7.326	7.323	(0.814)	707639	5.00000	5.0
21 2-Butanone		43	7.376	7.373	(0.820)	351608	50.0000	44
22 Bromochloromethane		128	7.643	7.640	(0.849)	336883	5.00000	5.1
\$ 23 Chloroform-d		84	7.732	7.729	(0.859)	1474088	5.00000	5.0
24 Chloroform		83	7.751	7.758	(0.862)	1374736	5.00000	5.1
25 1,1,1-Trichloroethane		97	8.008	8.015	(0.629)	1355281	5.00000	5.0
26 Cyclohexane		56	8.097	8.104	(0.636)	759810	5.00000	4.7
27 Carbon tetrachloride		117	8.246	8.242	(0.648)	1410544	5.00000	5.0
\$ 28 1,2-Dichloroethane-d4		65	8.414	8.420	(0.935)	336578	5.00000	5.0
\$ 29 Benzene-d6		84	8.453	8.450	(0.664)	1611335	5.00000	5.0
30 Benzene		78	8.503	8.509	(0.668)	1466819	5.00000	5.1
31 1,2-Dichloroethane		62	8.512	8.509	(0.946)	404780	5.00000	5.2
* 32 1,4-Difluorobenzene		114	8.997	9.003	(1.000)	1522498	5.00000	
33 Trichloroethene		95	9.353	9.359	(0.735)	1058172	5.00000	5.3
\$ 34 1,2-Dichloropropane-d6		67	9.521	9.527	(0.748)	979516	5.00000	5.2
35 Methylcyclohexane		55	9.619	9.636	(0.756)	928895	5.00000	4.9
36 1,2-Dichloropropane		63	9.639	9.646	(0.758)	756471	5.00000	5.1
37 Bromodichloromethane		83	9.995	10.002	(0.786)	1341841	5.00000	5.0
38 cis-1,3-Dichloropropene		75	10.568	10.575	(0.831)	1020255	5.00000	5.0
39 4-Methyl-2-pentanone		43	10.776	10.782	(0.847)	1452723	50.0000	47
\$ 40 Toluene-d8		98	10.924	10.921	(0.859)	2505319	5.00000	5.0
41 Toluene		91	11.003	11.010	(0.865)	2653721	5.00000	5.2
\$ 42 trans-1,3-Dichloropropene-d4		79	11.221	11.227	(0.882)	636446	5.00000	4.8
43 trans-1,3-Dichloropropene		75	11.260	11.257	(0.885)	657115	5.00000	4.8
44 1,1,2-Trichloroethane		97	11.487	11.494	(0.903)	428699	5.00000	5.1
45 Tetrachloroethene		164	11.705	11.712	(0.920)	1105222	5.00000	5.0
\$ 46 2-Hexanone-d5		63	11.754	11.751	(0.924)	570896	50.0000	48
47 2-Hexanone		43	11.814	11.810	(0.929)	963158	50.0000	48
48 Dibromochloromethane		129	11.991	11.988	(0.942)	984160	5.00000	5.1
49 1,2-Dibromoethane		107	12.140	12.137	(0.954)	654659	5.00000	5.2
* 50 Chlorobenzene-d5		117	12.723	12.720	(1.000)	1985938	5.00000	
51 Chlorobenzene		112	12.752	12.749	(1.002)	2025223	5.00000	5.0
52 Ethylbenzene		91	12.881	12.888	(1.012)	3243860	5.00000	5.1
53 m,p-Xylene		106	13.029	13.026	(1.024)	1299953	5.00000	5.3
54 Styrene		104	13.533	13.530	(1.064)	1766656	5.00000	5.1
55 o-Xylene		106	13.523	13.510	(1.063)	1173315	5.00000	5.2
56 Bromoform		173	13.761	13.757	(0.888)	515091	5.00000	5.0
57 Isopropylbenzene		105	13.968	13.965	(1.098)	3708224	5.00000	5.2
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.265	14.261	(1.121)	588397	5.00000	5.1
59 1,1,2,2-Tetrachloroethane		83	14.294	14.291	(1.123)	569951	5.00000	5.2
60 1,3-Dichlorobenzene		146	15.441	15.428	(0.996)	1791263	5.00000	5.0
* 61 1,4-Dichlorobenzene-d4		152	15.500	15.497	(1.000)	1097404	5.00000	

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzx05hc1.d
Report Date: 21-Mar-2010 11:12

Page 3

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.530	15.527	(1.002)	1835528	5.00000	4.9
\$ 63 1,2-Dichlorobenzene-d4	152	15.895	15.882	(1.026)	925589	5.00000	5.1
64 1,2-Dichlorobenzene	146	15.915	15.902	(1.027)	1371181	5.00000	5.1
65 1,2-Dibromo-3-chloropropane	75	16.637	16.633	(1.073)	81448	5.00000	4.6
66 1,2,4-Trichlorobenzene	180	17.467	17.464	(1.127)	975884	5.00000	5.0
67 1,2,3-Trichlorobenzene	180	17.981	17.968	(1.160)	723822	5.00000	4.9



Raw QC Data – SOM01.2 Volatiles – Trace

Data File: /chem/N.i/Nsvr.p/nzxsmt.r,b/nzx01pv.d

Page 2

Date : 01-MAR-2010 14:09

Client ID: BFBNO

Instrument: N.i

Sample Info: 50ng BFB

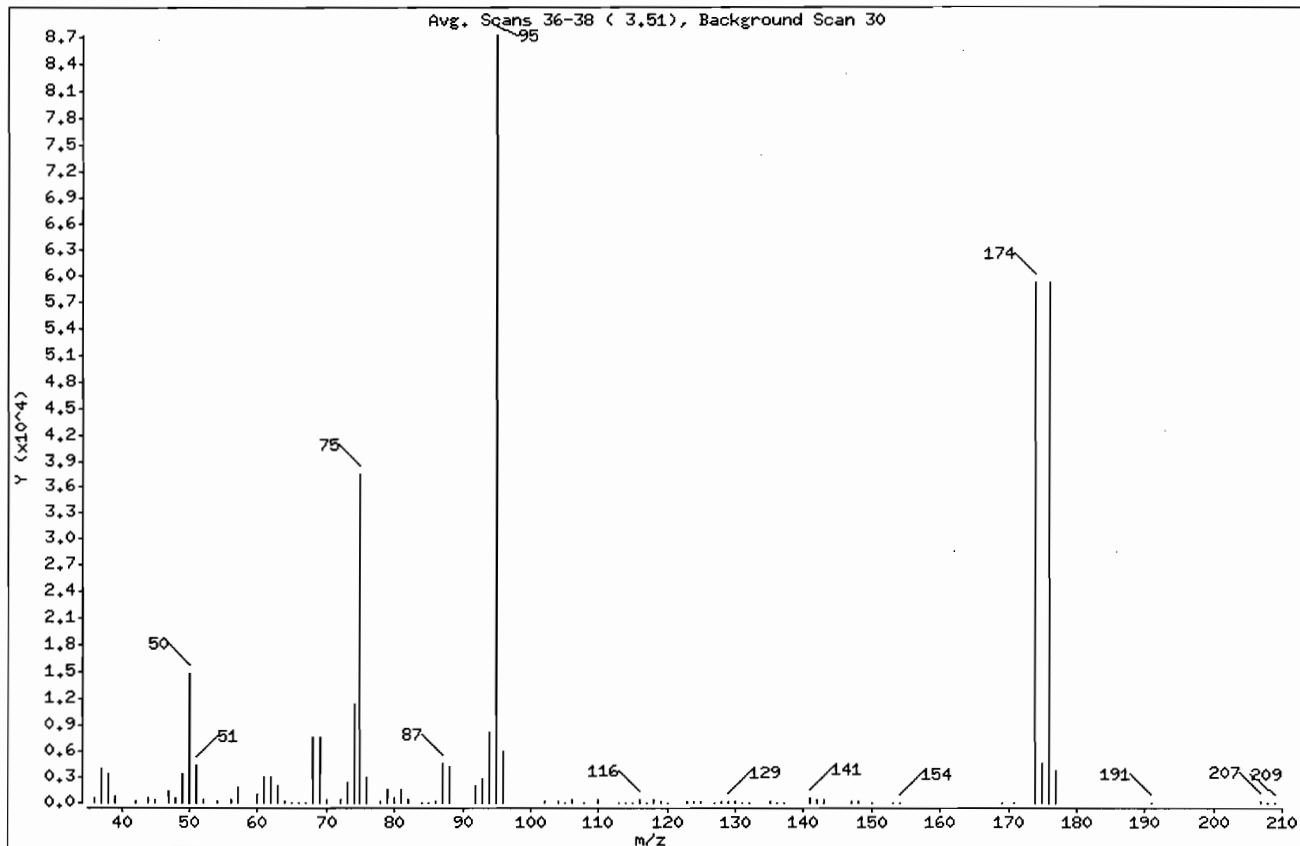
Volume Injected (uL): 2.0

Operator: HRV

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	17.06
75	30.00 - 80.00% of mass 95	42.89
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	67.91
175	5.00 - 9.00% of mass 174	5.17 (7.62)
176	95.00 - 101.00% of mass 174	67.74 (99.75)
177	5.00 - 9.00% of mass 176	4.45 (6.57)

Data File: /chem/N.i/Nsvr.p/nzxsmt.r.b/nzx01pv.d

Page 3

Date : 01-MAR-2010 14:09

Client ID: BFBNO

Instrument: N.i

Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Data File: nzx01pv.d

Spectrum: Avg. Scans 36-38 (3.51), Background Scan 30

Location of Maximum: 95.00

Number of points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	679	67.00	56	96.00	5960	132.00	88
37.00	4006	68.00	7628	102.00	168	135.00	233
38.00	3411	69.00	7662	104.00	231	136.00	74
39.00	815	70.00	426	105.00	34	137.00	88
42.00	133	72.00	323	106.00	436	141.00	564
44.00	688	73.00	2505	108.00	73	142.00	319
45.00	374	74.00	11454	110.00	377	143.00	413
47.00	1413	75.00	37408	113.00	39	147.00	284
48.00	600	76.00	2975	114.00	84	148.00	161
49.00	3491	78.00	111	115.00	57	150.00	82
50.00	14886	79.00	1641	116.00	422	153.00	51
51.00	4377	80.00	571	117.00	56	154.00	75
52.00	398	81.00	1548	118.00	339	169.00	77
54.00	208	82.00	412	119.00	262	171.00	62
56.00	476	84.00	26	120.00	80	174.00	59232
57.00	1759	85.00	39	123.00	158	175.00	4513
60.00	1008	86.00	116	124.00	104	176.00	59088
61.00	2909	87.00	4527	125.00	171	177.00	3884
62.00	3005	88.00	4164	127.00	93	191.00	86
63.00	2060	92.00	1992	128.00	206	207.00	106
64.00	127	93.00	2739	129.00	265	208.00	38
65.00	5	94.00	8275	130.00	103	209.00	90
66.00	28	95.00	87232	131.00	2		

Data File: /chem/N.i/Nsvr.p/nzxsmtr,b/nzx01pv.d

Page 1

Date : 01-MAR-2010 14:09

Client ID: BFBNO

Instrument: N.i

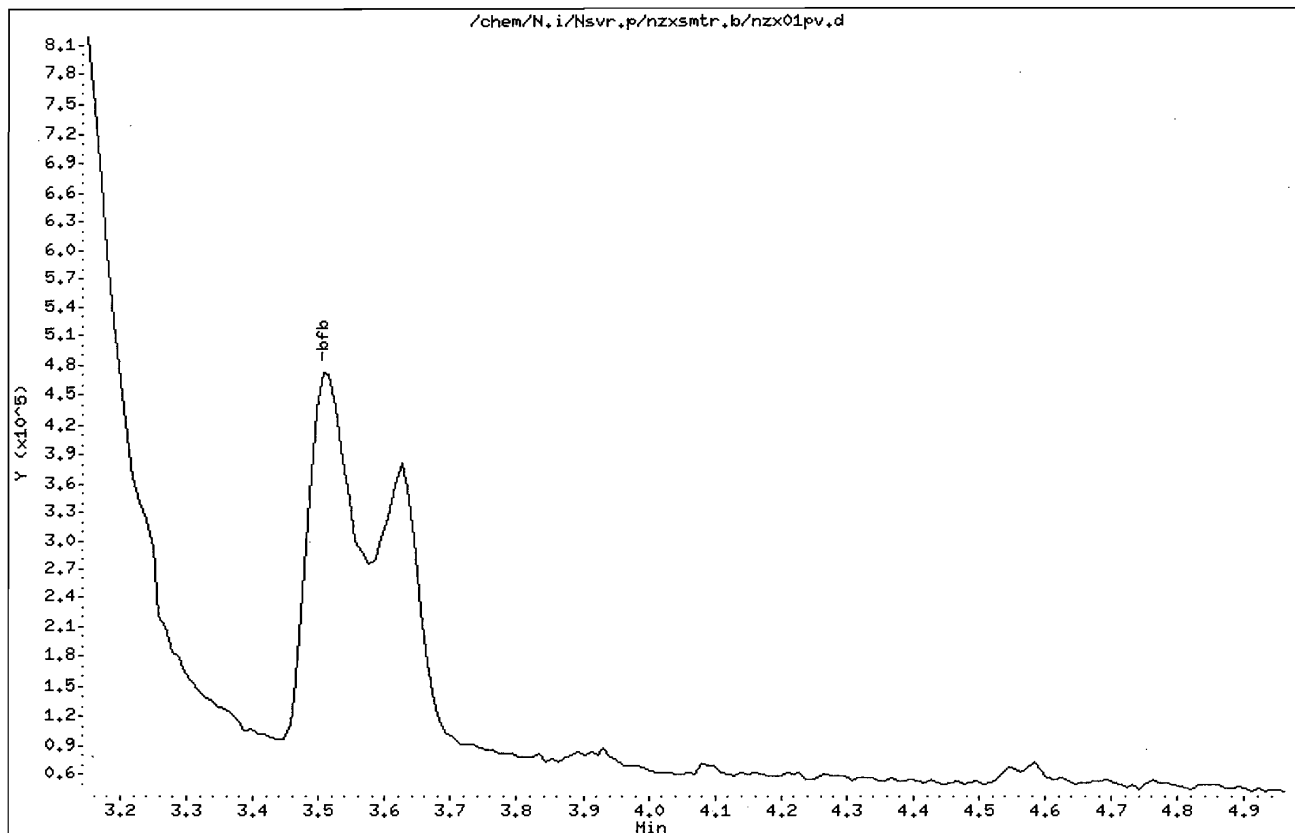
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzx09pv.d

Page 2

Date : 11-MAR-2010 19:51

Client ID: BFBNY

Instrument: N.i

Sample Info: BFB

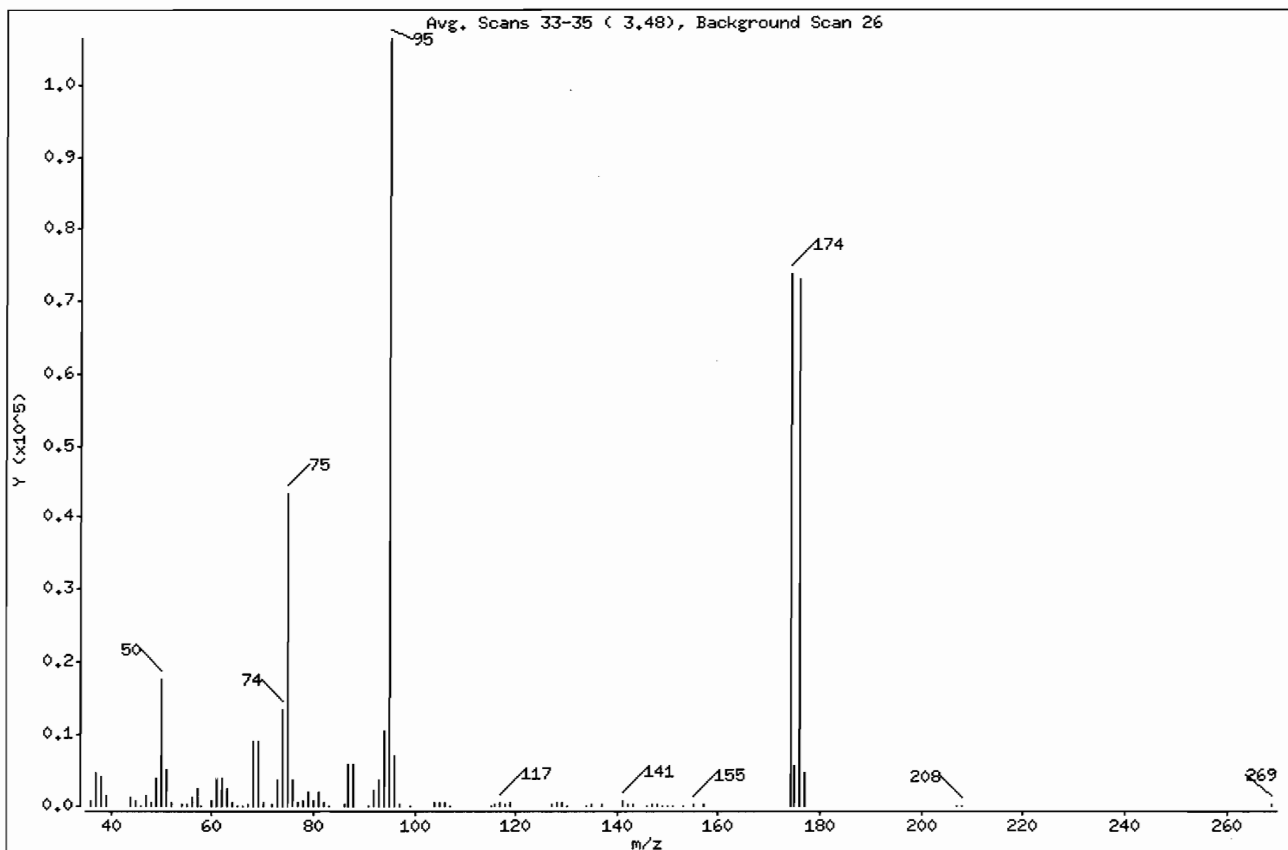
Volume Injected (uL): 2.0

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	16.50
75	30.00 - 80.00% of mass 95	40.67
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	69.30
175	5.00 - 9.00% of mass 174	5.25 (7.58)
176	95.00 - 101.00% of mass 174	68.62 (99.02)
177	5.00 - 9.00% of mass 176	4.42 (6.44)

Data File: /chem/N.i/Hsvr.p/nzxhsntr.b/nzx09pv.d

Page 3

Date : 11-MAR-2010 19:51

Client ID: BFBNY

Instrument: N.i

Sample Info: BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: nx09pv.d

Spectrum: Avg. Scans 33-35 (3.48), Background Scan 26

Location of Maximum: 95.00

Number of points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	778	64.00	380	91.00	65	135.00	186
37.00	4581	65.00	28	92.00	2322	137.00	169
38.00	4132	66.00	7	93.00	3547	141.00	809
39.00	1506	67.00	308	94.00	10490	142.00	152
44.00	1142	68.00	9106	95.00	106400	143.00	341
45.00	619	69.00	9006	96.00	7128	146.00	73
46.00	74	70.00	402	97.00	142	147.00	234
47.00	1583	72.00	355	99.00	18	148.00	181
48.00	486	73.00	3782	104.00	466	149.00	83
49.00	4035	74.00	13382	105.00	399	150.00	90
50.00	17552	75.00	43272	106.00	377	151.00	66
51.00	5173	76.00	3567	107.00	72	153.00	70
52.00	452	77.00	426	115.00	89	155.00	250
54.00	234	78.00	665	116.00	133	157.00	138
55.00	145	79.00	2036	117.00	596	174.00	73736
56.00	1106	80.00	685	118.00	178	175.00	5589
57.00	2367	81.00	1978	119.00	500	176.00	73008
58.00	17	82.00	415	127.00	160	177.00	4702
60.00	767	83.00	91	128.00	449	207.00	58
61.00	3620	86.00	291	129.00	389	208.00	73
62.00	3821	87.00	5762	130.00	78	269.00	244
63.00	2330	88.00	5761	134.00	90		

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzx09pv.d

Page 1

Date : 11-MAR-2010 19:51

Client ID: BFBNY

Instrument: N.i

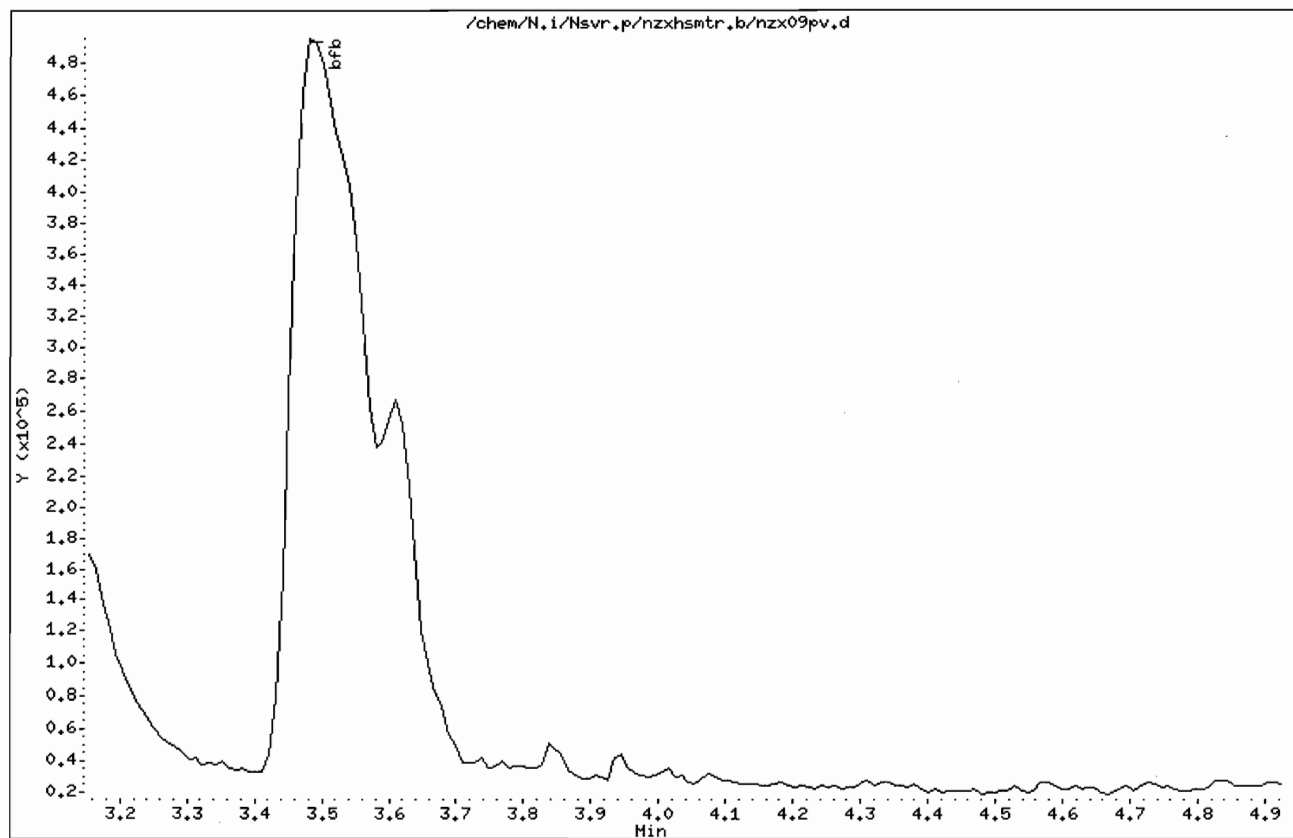
Sample Info: BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKNY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKNY

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: NZXB01H

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/11/2010

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	0.28	J
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	1.4	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	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.
VBLKNY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKNY

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: NZXB01H

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/11/2010

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	0.29	J
87-61-6	1,2,3-Trichlorobenzene	0.32	J

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKNY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKNY

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: NZXB01H

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/11/2010

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	10.53	6.1	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/N.i/Nswr,p/rzxsmt.r,b/rzxb01h.d

Date: 11-MAR-2010 21:01

Client ID: VBKMY

Sample Info:

Purge Volume: 25.0

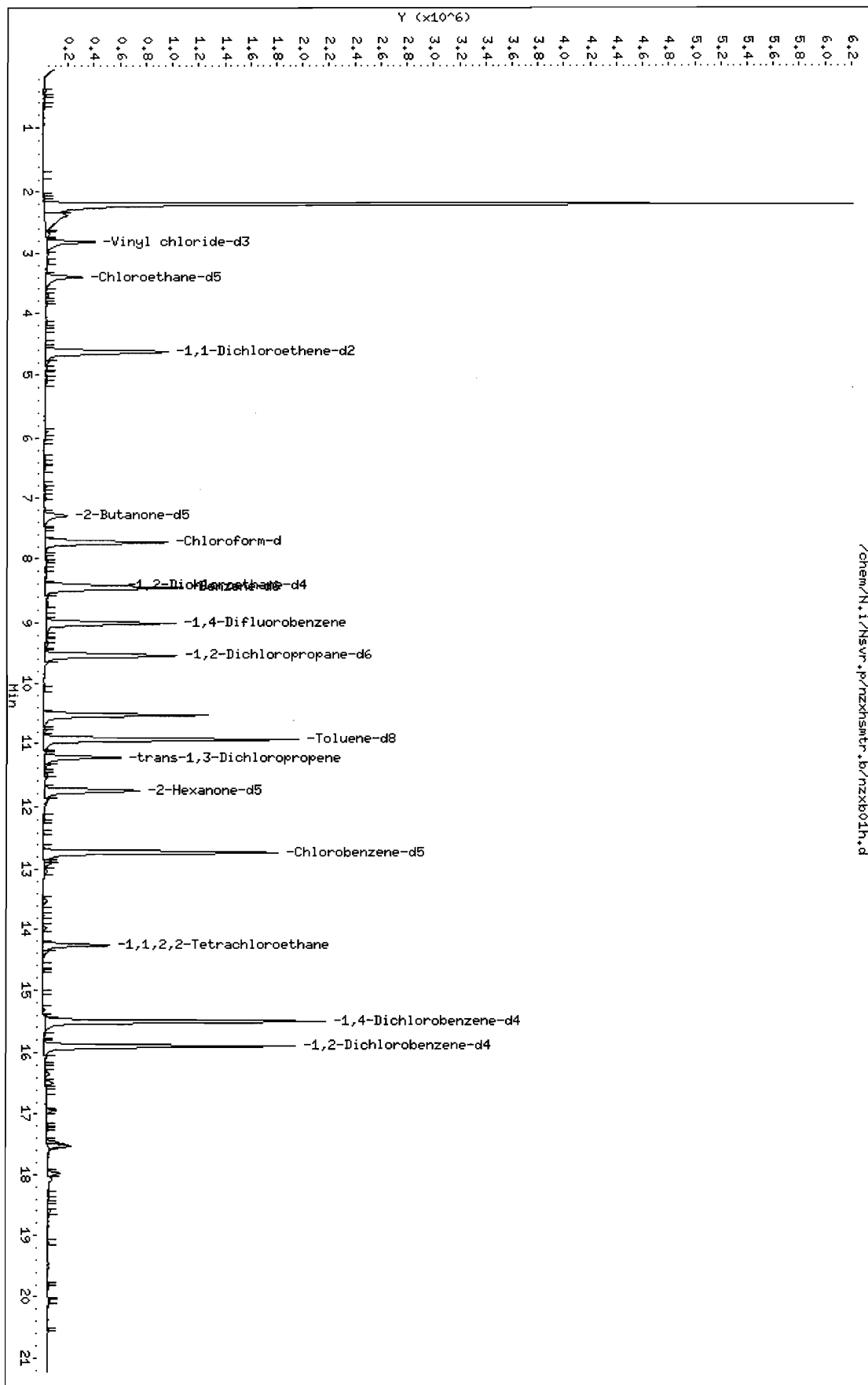
Column phase: DB-624

Instrument: N.i

Operator: JP1

Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxb01h.d
 Lab Smp Id: VBLKNY Client Smp ID: VBLKNY
 Inj Date : 11-MAR-2010 21:01
 Operator : JPl Inst ID: N.i
 Smp Info :
 Misc Info : VBLKNY,031110NY,1,5
 Comment :
 Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
 Meth Date : 21-Mar-2010 11:12 jd1 Quant Type: ISTD
 Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	2.679	2.678	(0.298)	48850	0.27913	0.28 (a)
\$ 3 Vinyl chloride-d3	65	2.817	2.816	(0.313)	825864	5.04312	5.0
4 Vinyl chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
\$ 6 Chloroethane-d5	69	3.401	3.400	(0.378)	651618	5.20845	5.2
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
\$ 9 1,1-Dichloroethene-d2	63	4.636	4.635	(0.515)	1436231	3.91724	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	4.764	4.763	(0.529)	6566	1.36179	1.4 (aQ)
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	7.295	7.294	(0.810)	442471	48.5131	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	7.729	7.729	(0.858)	1478199	4.84978	4.8 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.421	8.420	(0.935)	357743	5.07692	5.1
\$ 29 Benzene-d6	84	8.451	8.450	(0.664)	1716727	5.15511	5.2
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.004	9.003	(1.000)	1578251	5.00000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.528	9.527	(0.749)	1042566	5.29795	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	10.922	10.921	(0.859)	2596837	5.01761	5.0
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.228	11.227	(0.883)	683233	5.00073	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	11.752	11.751	(0.924)	612823	49.9058	50
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	12.721	12.720	(1.000)	2058048	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.262	14.261	(1.121)	585840	4.94054	4.9
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.498	15.497	(1.000)	1093658	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	15.893	15.882	(1.026)	936607	5.19062	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	17.465	17.464	(1.127)	57000	0.29228	0.29 (a)
67 1,2,3-Trichlorobenzene		180	17.979	17.968	(1.160)	47931	0.32282	0.32 (a)

QC Flag Legend

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

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxb01h.d
Report Date: 21-Mar-2010 11:12

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxb01h.d
Lab Smp Id: VBLKNY Client Smp ID: VBLKNY
Inj Date : 11-MAR-2010 21:01
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VBLKNY,031110NY,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jdl Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.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	9.004	3669269	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
10.526	4490896	6.11960510	6.1	0		0	32

Data File: /chem/N.i/Nsvr.p/nzxb01h.d

Page 6

Date : 11-MAR-2010 21:01

Client ID: VBLKNY

Instrument: N.i

Sample Info:

Purge Volume: 25.0

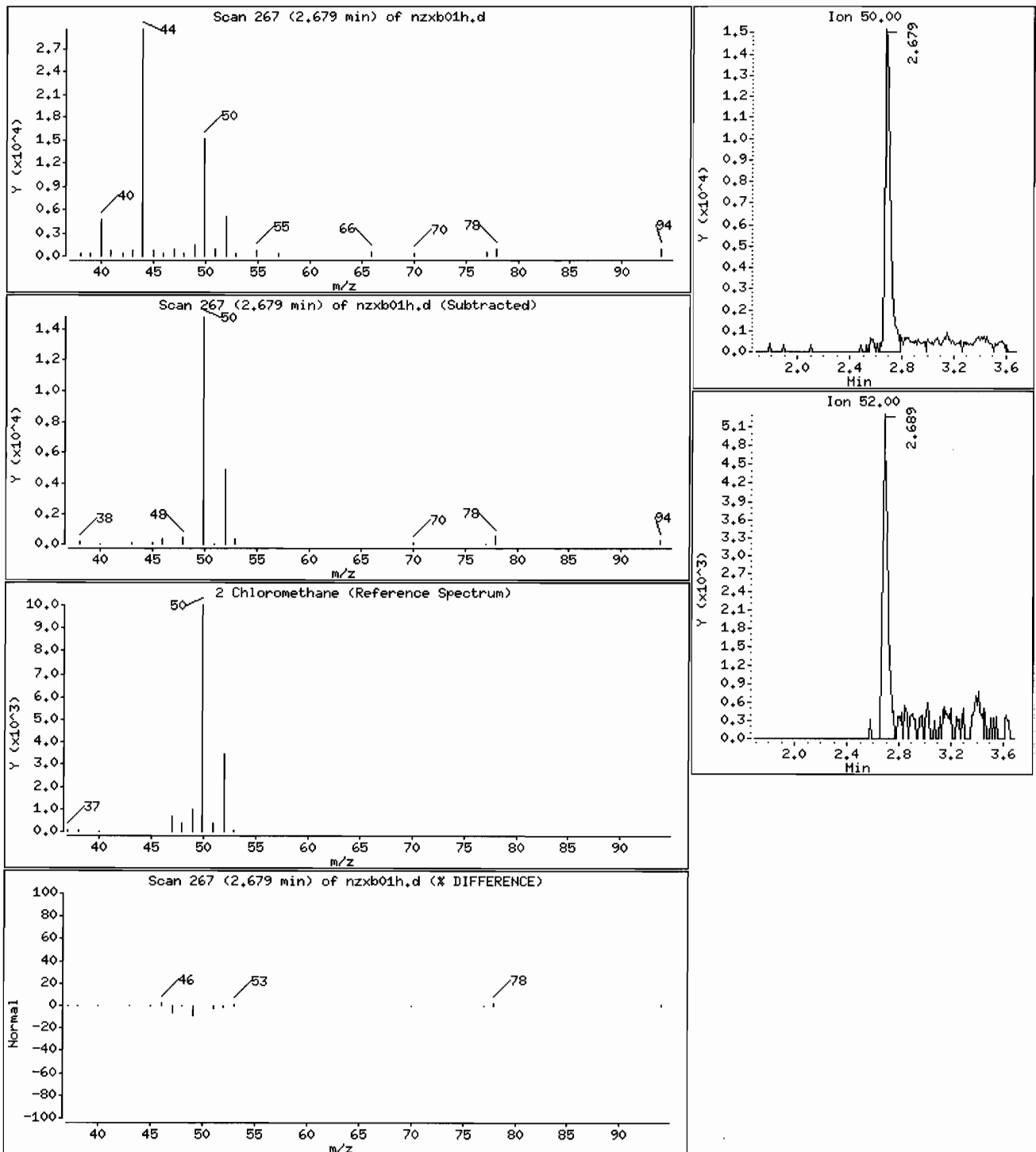
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

2 Chloromethane

Concentration: 0.28 ug/L



Data File: /chem/N.i/Hsvr.p/nzxb01h.d

Page 7

Date : 11-MAR-2010 21:01

Client ID: VBLKNY

Instrument: N.i

Sample Info:

Purge Volume: 25.0

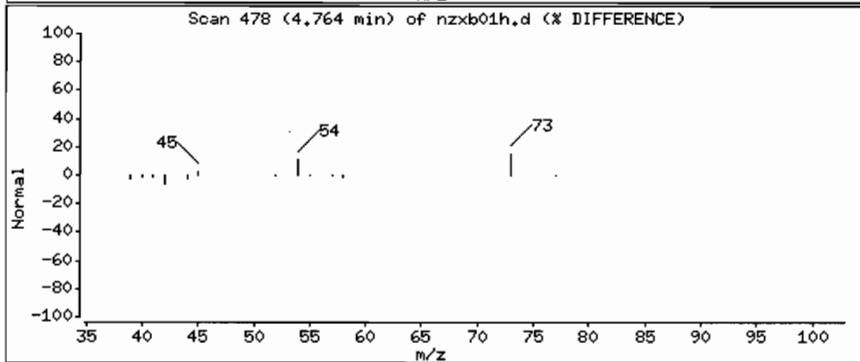
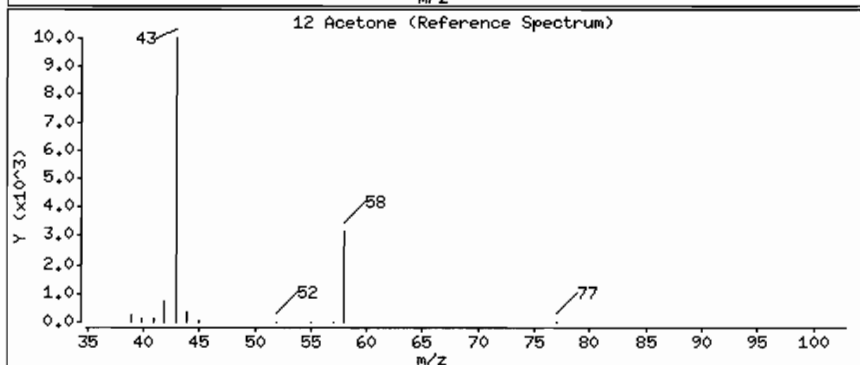
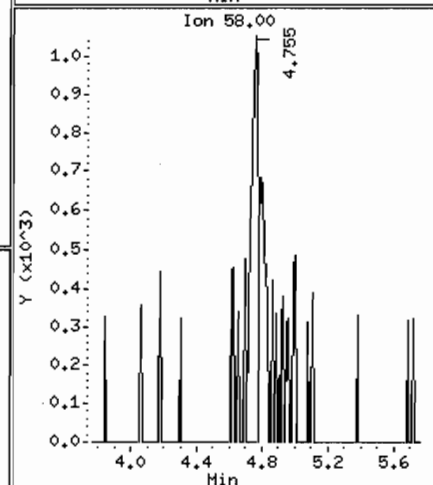
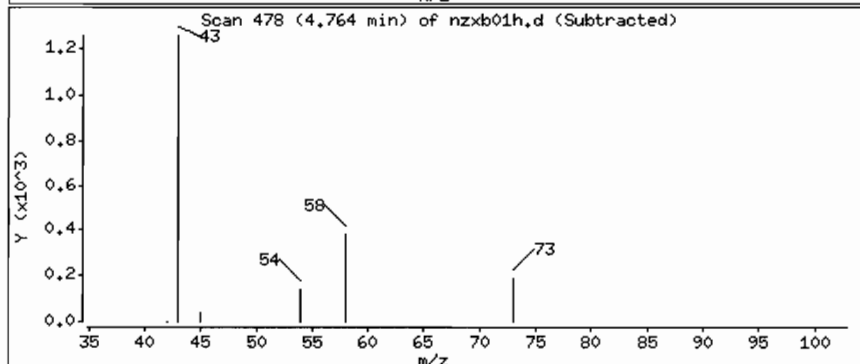
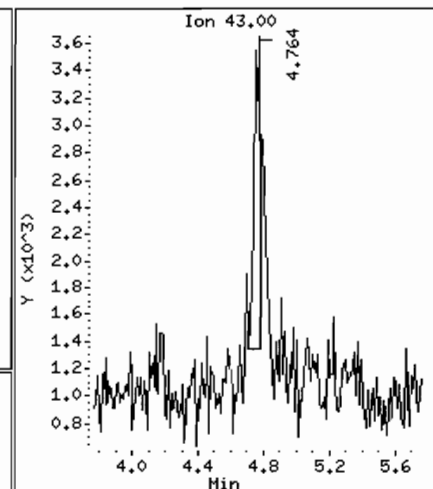
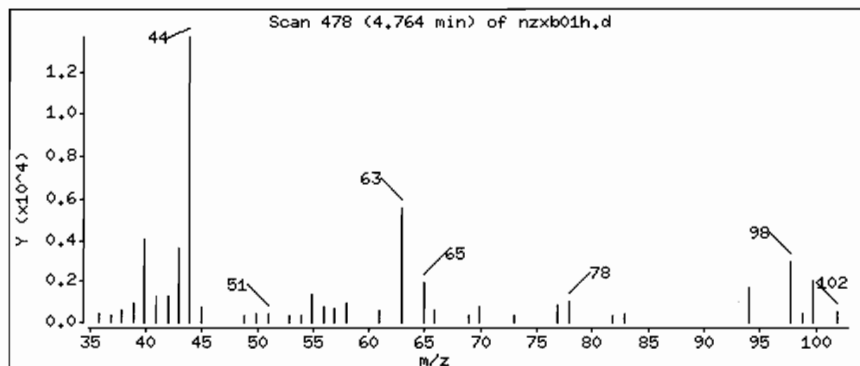
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 1.4 ug/L



Data File: /chem/N.i/Nsvr,p/nzxb01h,d

Page 8

Date : 11-MAR-2010 21:01

Client ID: VBLKNY

Instrument: N.i

Sample Info:

Purge Volume: 25.0

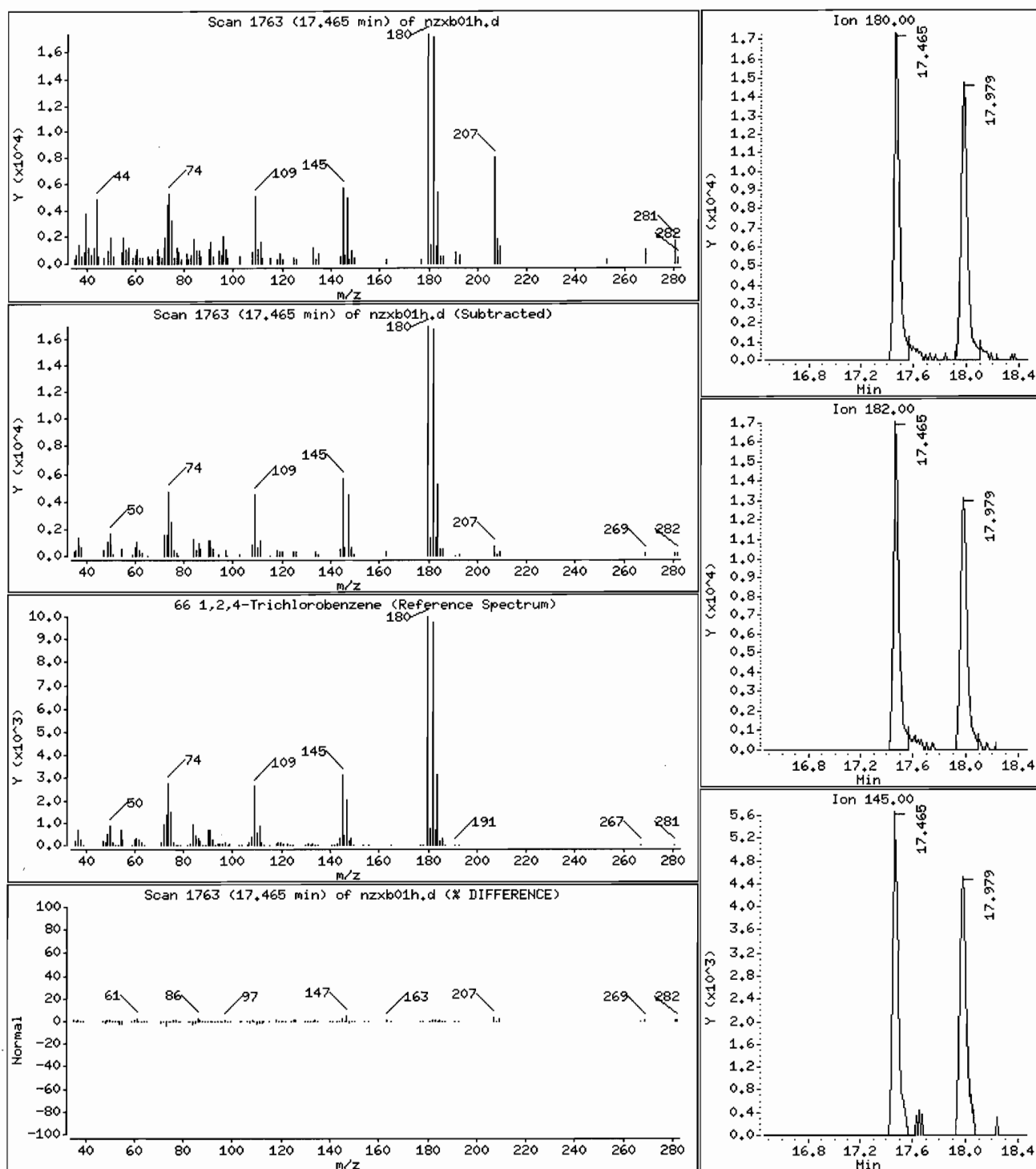
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

66 1,2,4-Trichlorobenzene

Concentration: 0.29 ug/L



Data File: /chem/N.i/Nsvr.p/nzxb01h.d

Page 9

Date : 11-MAR-2010 21:01

Client ID: VBLKNY

Instrument: N.i

Sample Info:

Purge Volume: 25.0

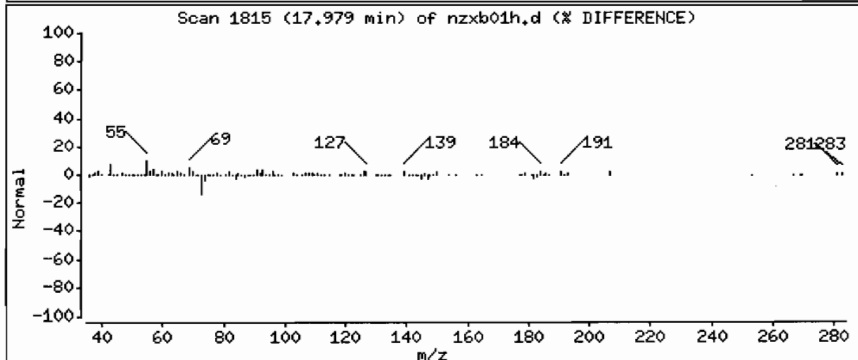
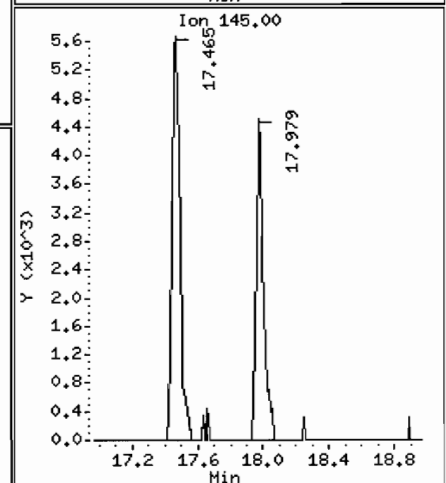
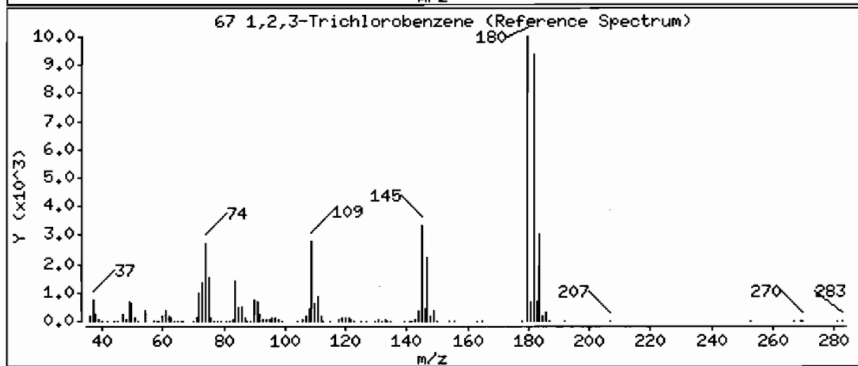
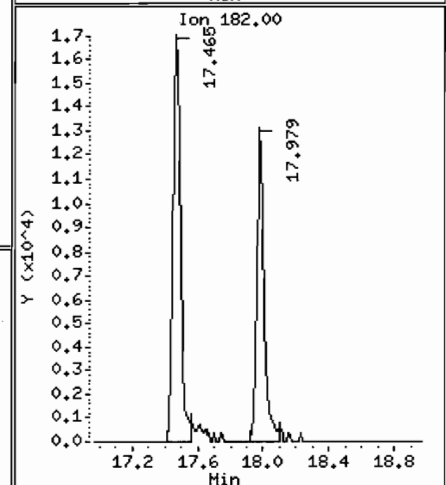
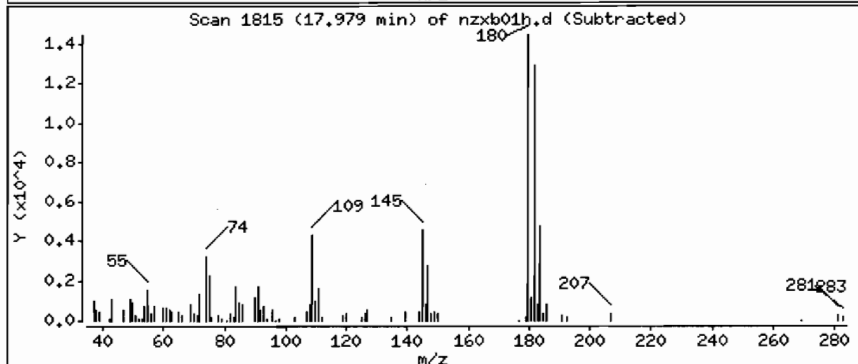
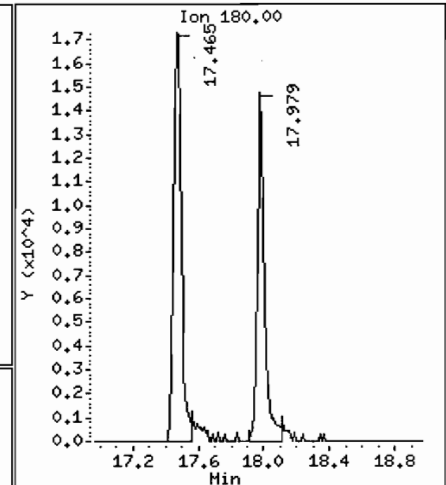
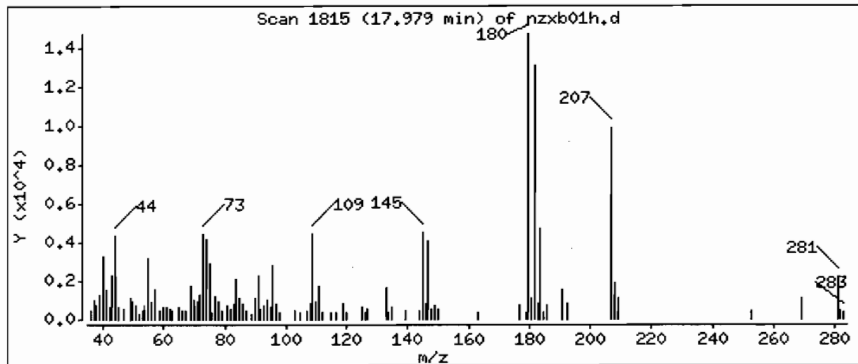
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

67 1,2,3-Trichlorobenzene

Concentration: 0.32 ug/L



Date : 11-MAR-2010 21:01

Client ID: VBLKNY

Instrument: N.i

Sample Info:

Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match
Unknown

Carbonothioic dichloride

CAS Number

Library

Entry

Quality

Formula

Weight

2-Propanol, 1,3-dichloro-
3-Thiatricyclo[3.1.1.0(2,4)]heptane

463-71-8

NIST05.1

7475

58

CCl₂S

114

96-23-1

NIST05.1

11616

38

C₃H₆Cl₂O

128

1000221-37-0

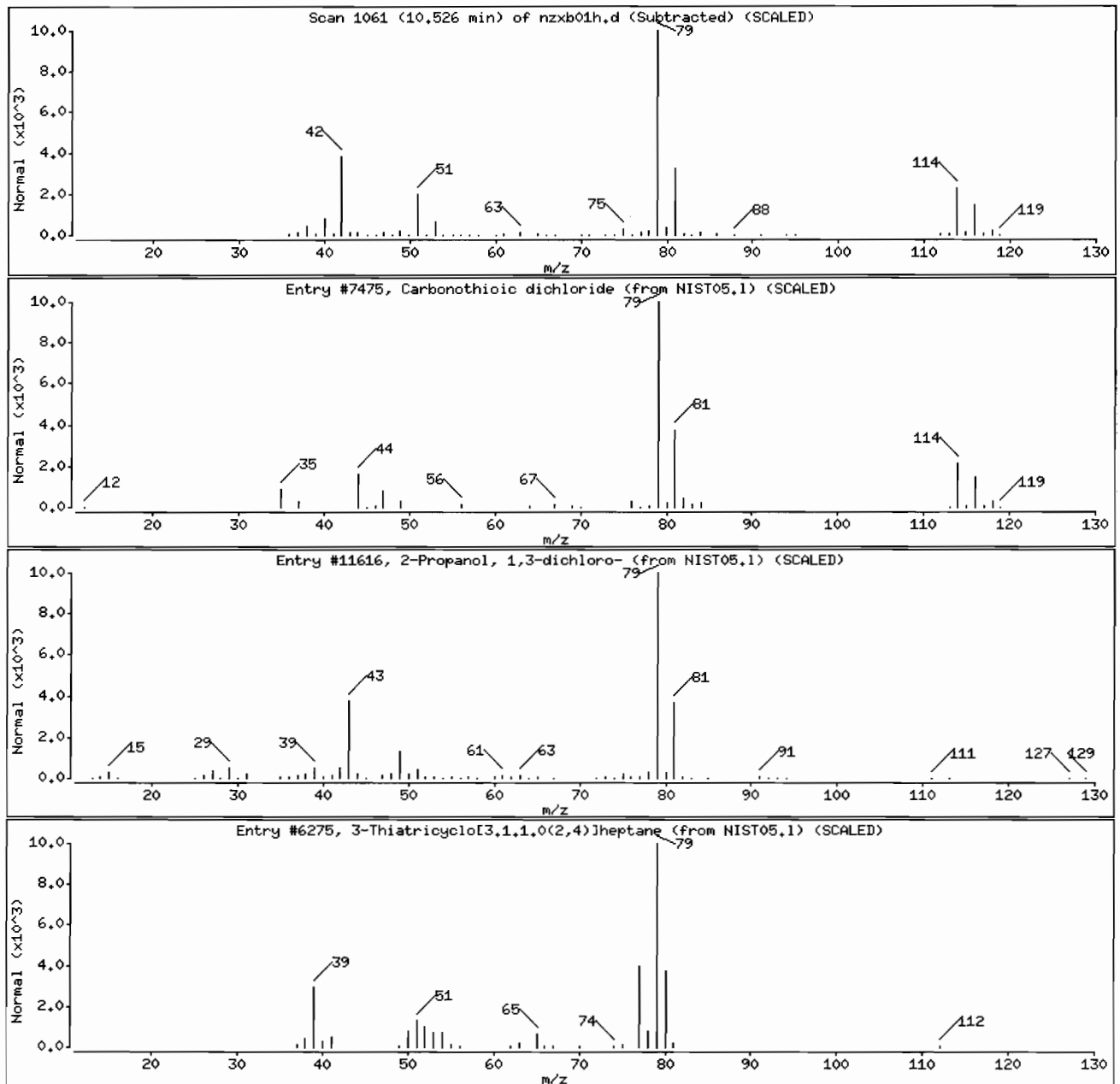
NIST05.1

6275

37

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.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821999

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821999

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/12/2010

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.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821999

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821999

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/12/2010

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.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 821999

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 821999

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/12/2010

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)

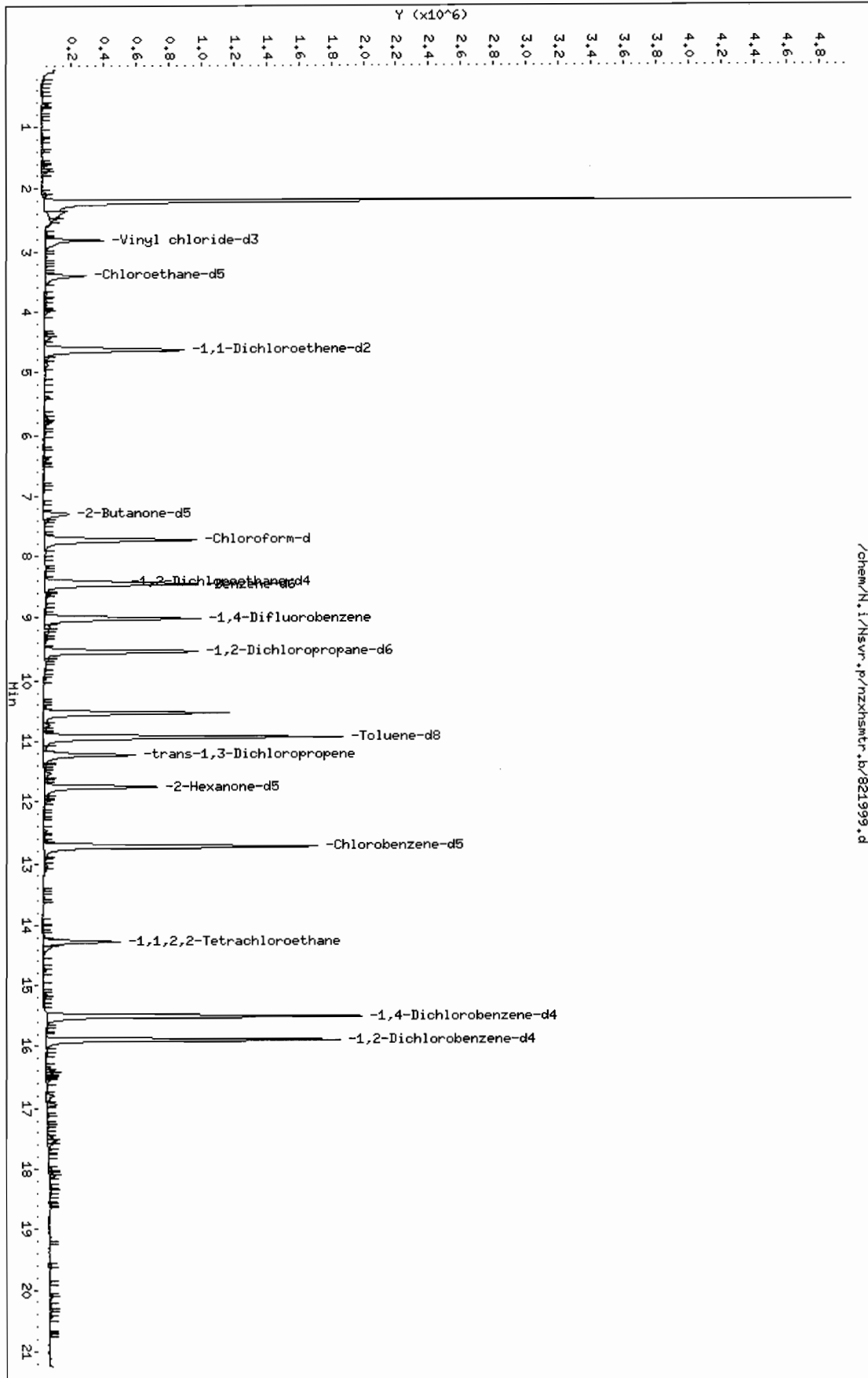
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.53	5.8	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/NSvr.p/nzxtsmtr.b/821999.d
Date: 12-MAR-2010 04:19
Client ID: VHBK01
Sample Info: VHBK01 : I 103/08/10 01045(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: N.i
Operator: JPI
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/821999.d
Lab Smp Id: 821999 Client Smp ID: VHBLK01
Inj Date : 12-MAR-2010 04:19
Operator : JP1 Inst ID: N.i
Smp Info : VHBLK01 : [] 03/08/10 @1045 (WATER)
Misc Info : 821999,031110NY,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jd1 Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.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						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.818	2.816	(0.313)	736571	4.71500	4.7
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.401	3.400	(0.377)	588242	4.92887	4.9
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.636	4.635	(0.514)	1306804	3.73630	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.295	7.294	(0.809)	402188	46.2252	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	7.730	7.729	(0.857)	1433943	4.93170	4.9 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.422	8.420	(0.934)	332197	4.94198	4.9
\$ 29 Benzene-d6	84	8.461	8.450	(0.665)	1590128	5.05442	5.1
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.015	9.003	(1.000)	1505568	5.00000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.539	9.527	(0.750)	955285	5.13855	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	10.932	10.921	(0.859)	2411714	4.93265	4.9
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.229	11.227	(0.883)	628986	4.87314	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	11.762	11.751	(0.925)	574581	49.5302	50
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	12.721	12.720	(1.000)	1944253	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.263	14.261	(1.121)	546021	4.87424	4.9
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.508	15.497	(1.000)	1031788	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	15.894	15.882	(1.025)	859360	5.04810	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

Q - Qualifier signal failed the ratio test.

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/821999.d
Report Date: 21-Mar-2010 11:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/821999.d
Lab Smp Id: 821999 Client Smp ID: VHBLK01
Inj Date : 12-MAR-2010 04:19
Operator : JP1 Inst ID: N.i
Smp Info : VHBLK01 : [] 03/08/10 @1045(WATER)
Misc Info : 821999,031110NY,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jdl Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.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	9.015	3538021	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
10.527	4068858	5.75018868	5.8	0		0	32

Date : 12-MAR-2010 04:19

Client ID: VHBLK01

Instrument: N.i

Sample Info: VHBLK01 :[103/08/10 @1045(WATER)

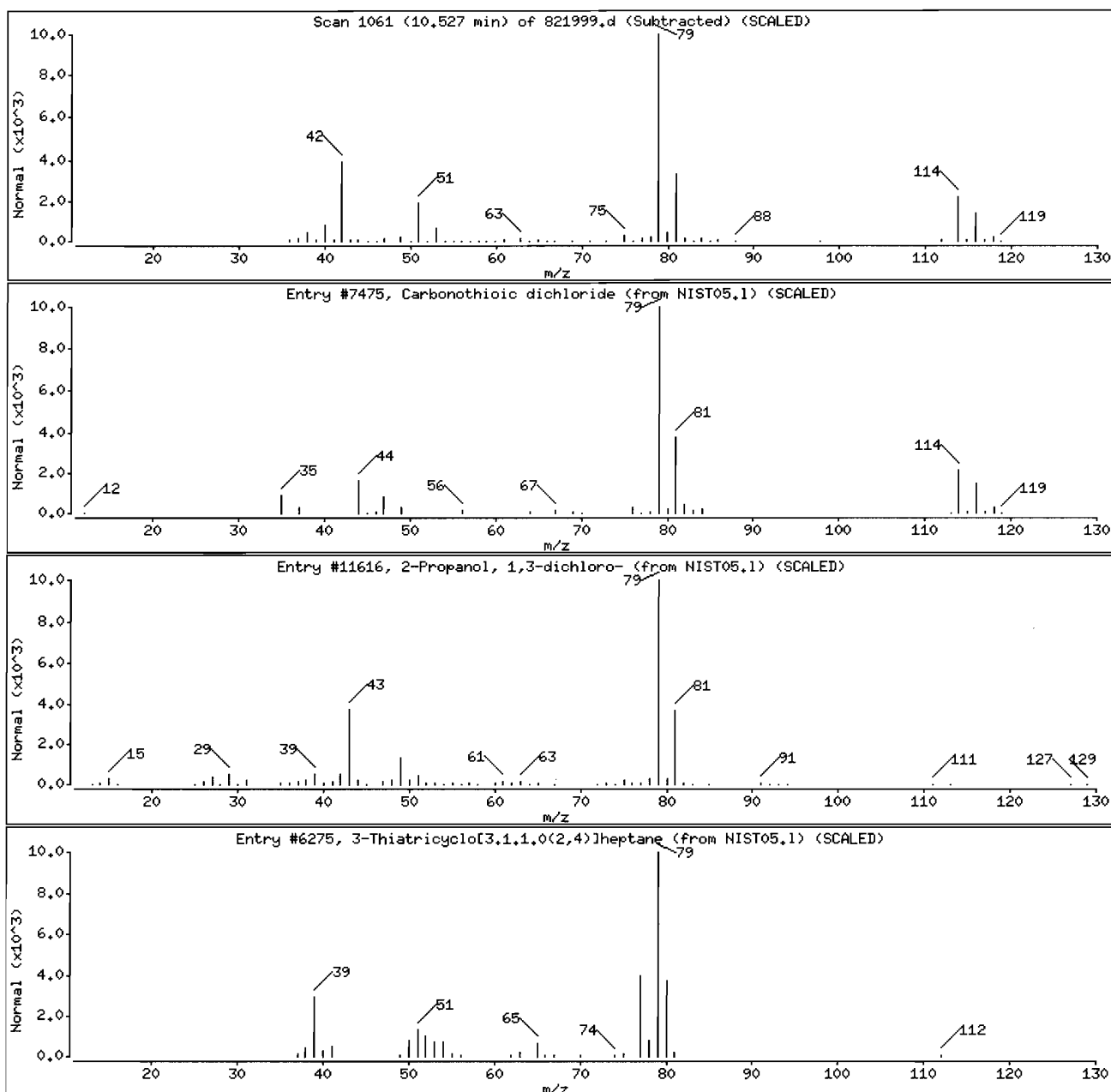
Purge Volume: 25.0

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	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKNJ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136246

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKNJ

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: NZXB03H

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/12/2010

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	0.36	JB
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.
VIBLKNJ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136246
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKNJ
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: NZXB03H
Level: (TRACE/LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/12/2010
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	0.29	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.
VIBLKNJ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136246
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKNJ
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: NZXB03H
Level: (TRACE or LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/12/2010
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)

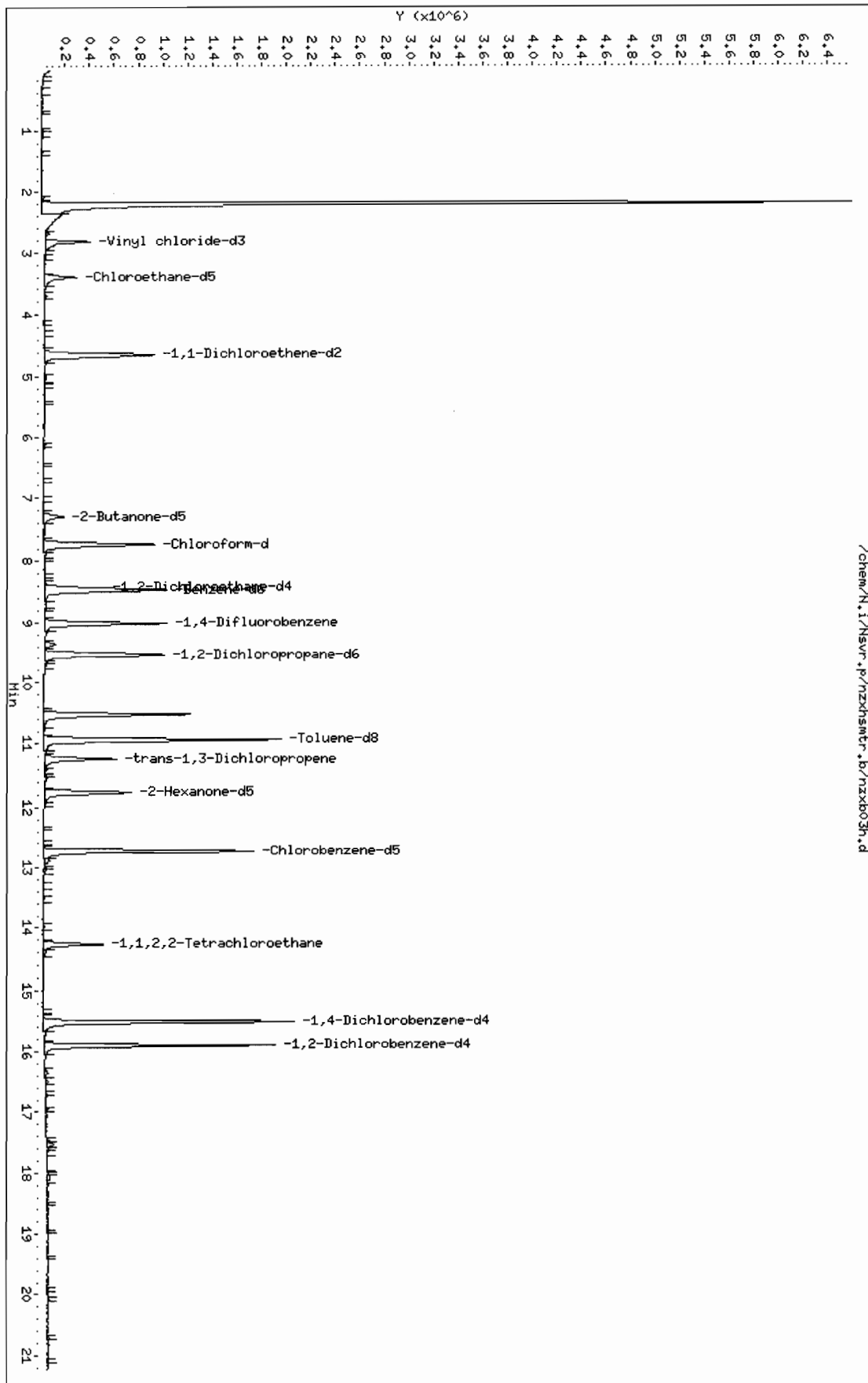
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.53	5.8	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxh03h.d
Date: 12-MAR-2010 01:43
Client ID: VIBLKNJ
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: N.i
Operator: JP1
Column diameter: 0.53



Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxb03h.d
Report Date: 21-Mar-2010 11:12

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxb03h.d
Lab Smp Id: VIBLKNJ Client Smp ID: VIBLKNJ
Inj Date : 12-MAR-2010 01:43
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VIBLKNJ,031110NY,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jd1 Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.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						
2 Chloromethane	50	2.679	2.678	(0.297)	64287	0.36289	0.36 (a)
\$ 3 Vinyl chloride-d3	65	2.817	2.816	(0.313)	761898	4.59607	4.6
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.400	3.400	(0.377)	616081	4.86466	4.9
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.636	4.635	(0.514)	1353434	3.64663	3.6
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.294	7.294	(0.809)	417217	45.1892	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	7.739	7.729	(0.859)	1443483	4.67842	4.7 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.421	8.420	(0.934)	343364	4.81374	4.8
\$ 29 Benzene-d6	84	8.461	8.450	(0.665)	1659134	5.19404	5.2
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.014	9.003	(1.000)	1597634	5.00000	
33 Trichloroethene	95	9.370	9.359	(0.737)	56531	0.28672	0.29 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.538	9.527	(0.750)	1002641	5.31175	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	10.932	10.921	(0.859)	2517225	5.07062	5.1
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.228	11.227	(0.883)	650890	4.96661	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	11.762	11.751	(0.925)	594386	50.4629	50
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	12.720	12.720	(1.000)	1974096	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.262	14.261	(1.121)	558667	4.91174	4.9
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.508	15.497	(1.000)	1067924	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.893	15.882	(1.025)	896662	5.08899	5.1
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxb03h.d
Report Date: 21-Mar-2010 11:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzxhsmtr.b/nzxb03h.d
Lab Smp Id: VIBLKNJ Client Smp ID: VIBLKNJ
Inj Date : 12-MAR-2010 01:43
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VIBLKNJ,031110NY,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzxhsmtr.b/somtr4.m
Meth Date : 21-Mar-2010 11:12 jd1 Quant Type: ISTD
Cal Date : 01-MAR-2010 17:21 Cal File: nzx20v.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	9.014	3630919	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.526	4243163	5.84309847	5.8	0		0	32

Data File: /chem/N.i/Nsvr.p/nzxb03h.d

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Date : 12-MAR-2010 01:43

Client ID: VIBLKNJ

Instrument: N.i

Sample Info:

Purge Volume: 25.0

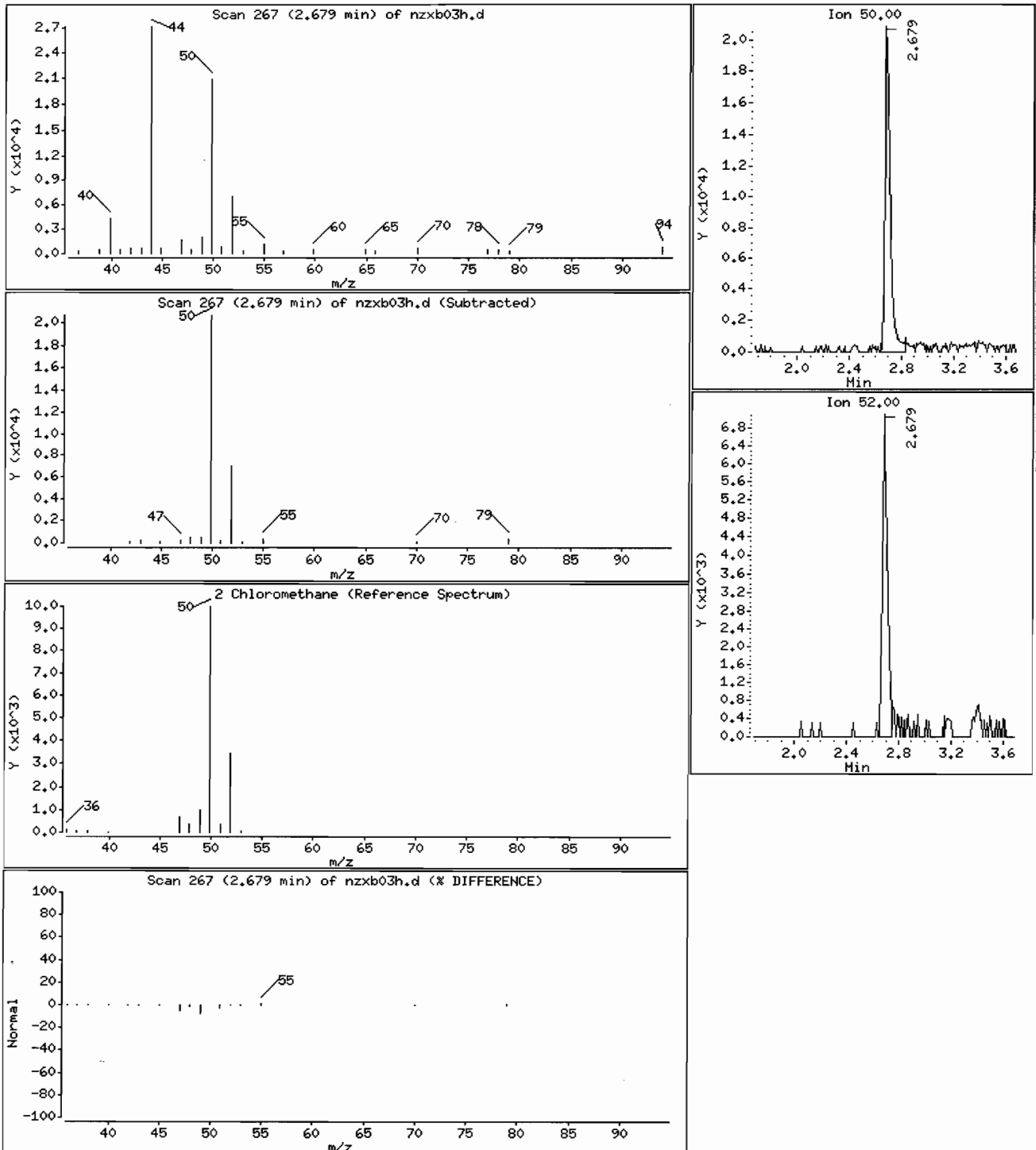
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

2 Chloromethane

Concentration: 0.36 ug/L



Data File: /chem/N.i/Hsvr,p/nzxb03h.d

Page 7

Date : 12-MAR-2010 01:43

Client ID: VIBLKNJ

Instrument: N.i

Sample Info:

Purge Volume: 25.0

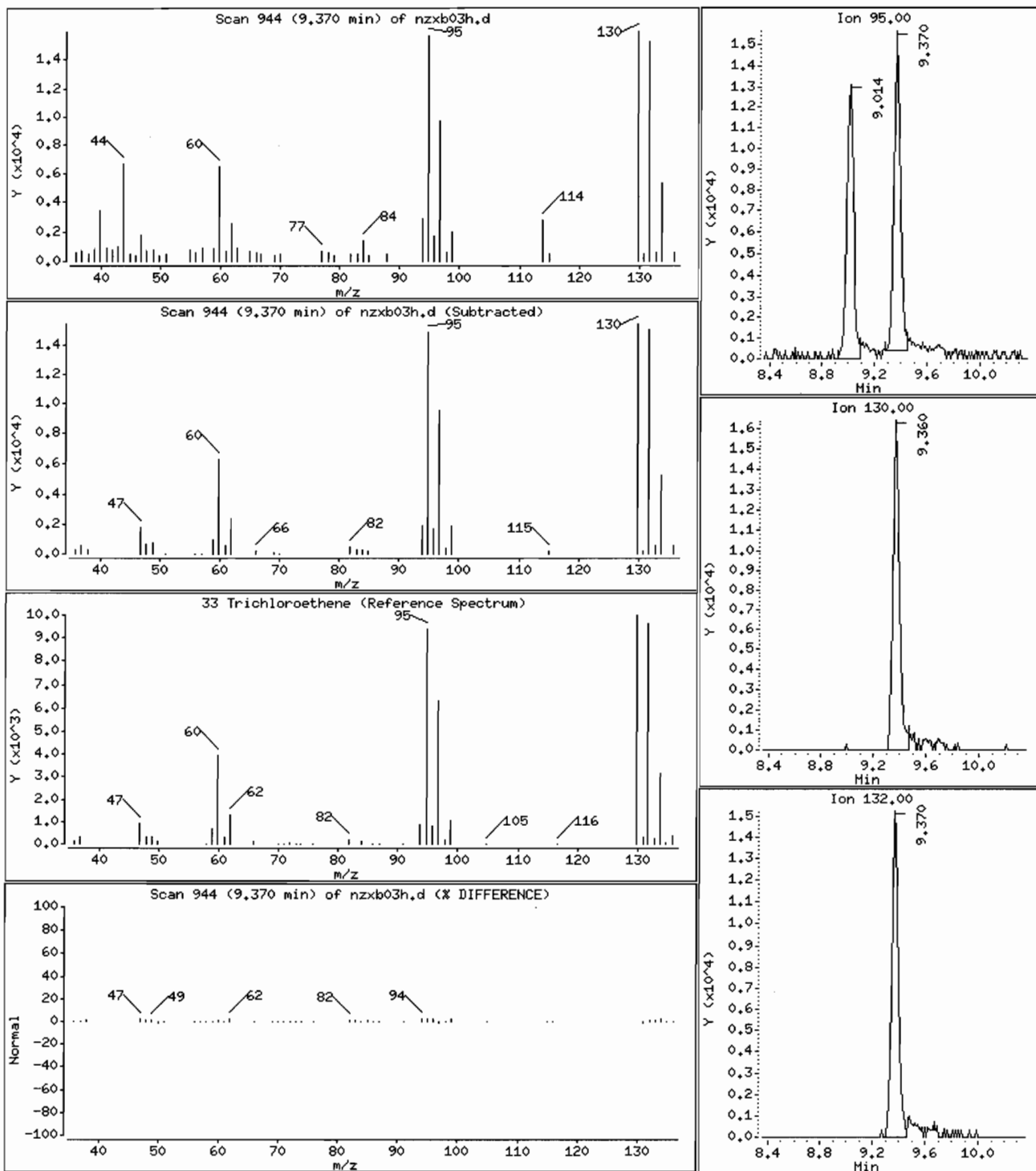
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.29 ug/L



Date : 12-MAR-2010 01:43

Client ID: VIBLKNJ

Instrument: N.i

Sample Info:

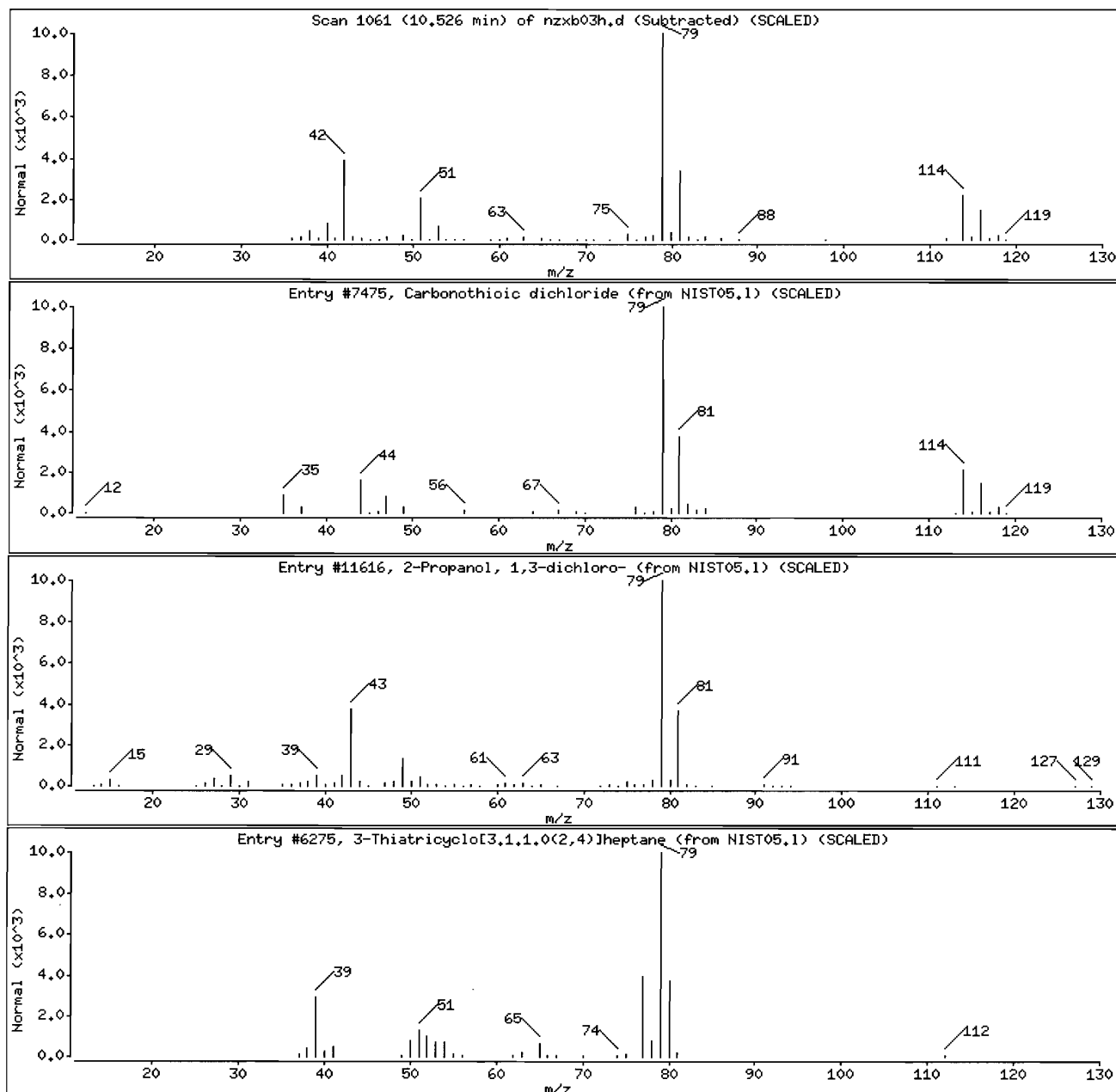
Purge Volume: 25.0

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	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112





Sample Preparation – SOM01.2 Volatiles – Trace

TestAmerica Burlington - Manual Integration Summary
SDG: 136246 Fraction: Volatile

Lab Sample ID	Client		Sample Type	Inst.	Column	Analysis Date	Filename	Manual Integration Flag	Analyst	Date-Time	Sign-Off
	Sample ID	Peak RT									

821987D1 MW-04DL SAMPLE 11-MAR-2010 21:48 821987D
11.801 2-Hexanone M11 - Poor automated baseline jdl 03/21/10 10:58 JP 03/21/10

TestAmerica Burlington - Manual Integration Summary
SDG: nzxsmtr Fraction: Volatile

===== Instrument N - No Manual Integrations =====

Cmp 03/05/10

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks	
Batch ID:	N2298A-TOL	BFB Lot #	NW12-100901	Instrument:	HP5971	Instrument ID:	N
Test Method:	SIM Trace	ISTD Lot #	NW02-131002	Column Type:	Capillary		
ICAL Date:	03/01/00	Surrogate Lot #	NW02-261004	Purge Volume:	☐ 5 mL ☐ 10 mL ☒ 25 mL		
Start Date:	03/01/00 Time: 1909	CAL STD Lot #	NW02-261002				
End Date:	03/02/00 Time: 0809	LCSMS Lot #					
				☒ Tune STD ☐ RF Summary ☐ Internal Standard Response ☐ RT & Ratios Updated ☐ Batch MS/MSD was not performed due to insufficient sample volume			

[illegible]

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

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GC/MS VOA INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks				
Batch ID:	NZX HSM12	BFB Lot#	MV12100901	Instrument: HP5971	Instrument ID: N	Tune STD	RF Summary			
Test Method:	SOM TRACE	ISTD Lot #	MV03081003	Column Type: Capillary		Internal Standard Response				
ICAL Date:	03/01/10	Surrogate Lot #	MV02261001	Purge Volume: ☐ 5 mL ☐ 10 mL ☒ 25 mL		ART & Ratios Updated				
Start Date:	03/11/10 Time: 1951	CAL STD Lot #	MV03111001			☐ Batch MS/MSD was not performed due to insufficient sample volume				
End Date:	03/12/10 Time: 0751	LCS/MS Lot #								
Sequence Information										
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	Comments
1951	NZX09PV	BFB NY	NA		JPI	NA			JPI	
2019	NZX005HV	VSTD005NY								
2101	NZX001H	VBLK NY								
2148	821987D	136246	A2	100% 100% 100%						
2227	821829	136221	A1							
2304	NZX0502H	VBLK NY	NA							
2345	821824	136221	A2	100% 100% 100%						
0024	821827									
0103	821987D2	136246	A2	8.8mL						
0143	NZX003H	VBLK NY	NA							
0221	821829I2	136221	A1	100% 100% 100%						
0200	NZX004H	VBLK NY	NA							
0200	821830	136221	A1	100% 100% 100%						
0414	821909	136246								
0454	NZX05HCL	VSTD005NY								
0557	NZX05HCL	VSTD005NY								

VOLATILE WATER SAMPLE PRESERVATION LOG

Date	Analyst	SDG	ETR	Lab ID	Bottle Code	pH (pH units)	Test Method	Hold Time (days)
3/6/10	JH2	AZNE8	136221	821822	A1	<2	Somol.2	3/15
				823				
				825				
				826				
				831				
3/6/10	JH2	AZNE8	136221	821824	A1	<2	Somol.2 TR	3/15
				827				
				830				
3/6/10	JH2	N, 136229	136229	821873	A1	<2	8260 LW	3/18
				874				
				875				
3/6/10	JH2	136240	136240	821937	A1	<2	524.2	5/18
				938				
				939				
				940				
				941				
				942				
				943				
				944				
				945				
				946				
3-7-10	J.J.	136246	136246	821987	A1	<2	SOMOL.2 TR	3-16
				999	A1			

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).

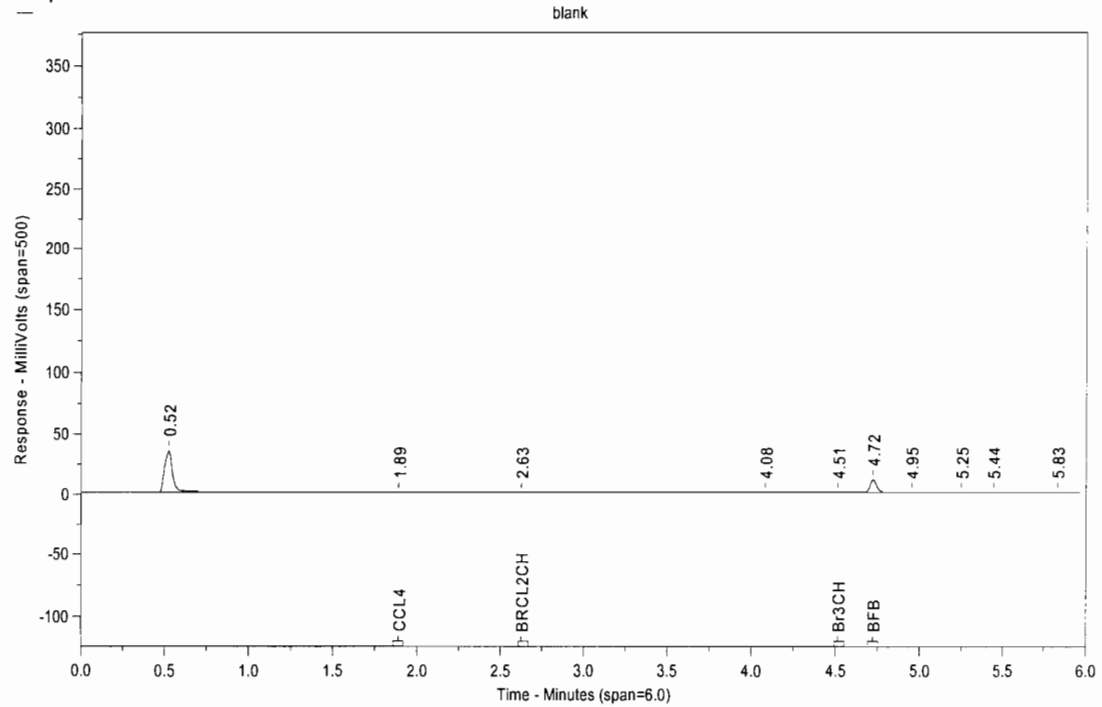
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE030910.0010.RAW

Acquired from Instrument 1 on 3/9/10 5:21:36 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	35023.12	4.72	BFB	507	10641.34
1.89	CCL4	0	73.98	4.95		0	41.62
2.63	BRCL2CH	0	180.51	5.25		0	22.24
4.08		0	28.90	5.44		0	44.36
4.51	Br3CH	0	39.38	5.83		0	72.91

Surrogate BFB recovery is 126.9%

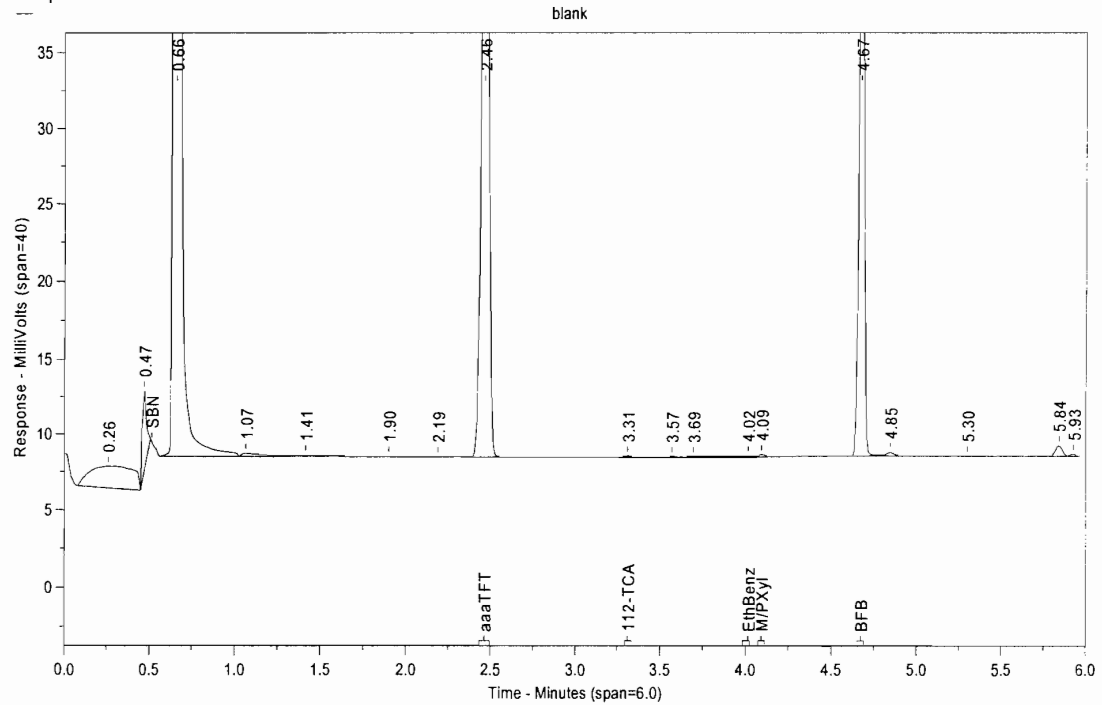
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF030910.0010.RAW

Acquired from Instrument 1 on 3/9/10 5:21:36 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.26		0	1426.54	3.57		0	65.89
0.47		0	5218.22	3.69		0	58.76
0.66		0	647766.38	4.02	EthBenz	0	97.30
1.07		0	224.64	4.09	M/Pyxl	-1	163.47
1.41		0	98.07	4.67	BFB	489	50227.51
1.90		0	65.50	4.85		0	237.73
2.19		0	28.21	5.30		0	43.15
2.46	aaaTFT	423	53279.47	5.84		0	708.26
3.31	112-TCA	0	84.21	5.93		0	160.39

Surrogate aaaTFT recovery is 105.6%

Surrogate BFB recovery is 122.3%

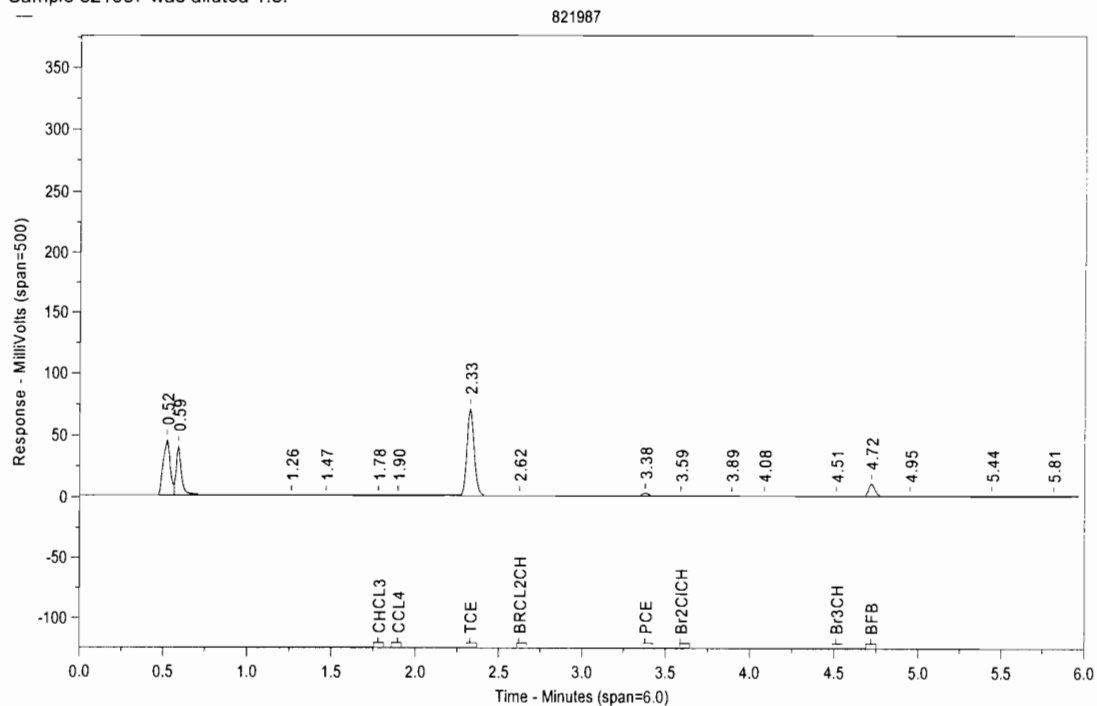
Chrom Perfect Chromatogram Report

Sample Name: 821987

Data File: C:\CPSpirit5\Data2\VoaE030910.0011.RAW

Acquired from Instrument 1 on 3/9/10 5:32:58 PM by

Sample 821987 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	44727.27	3.59	Br2CICH	0	24.05
0.59		0	39821.79	3.89		0	36.26
1.26		0	77.14	4.08		0	34.72
1.47		0	53.27	4.51	Br3CH	0	55.94
1.78	CHCL3	0	45.19	4.72	BFB	2384	10079.73
1.90	CCL4	0	108.93	4.95		0	39.19
2.33	TCE	813	70132.11	5.44		0	37.30
2.62	BRCL2CH	1	164.59	5.81		0	111.62
3.38	PCE	5	2319.37				

Surrogate BFB recovery is 119.2%

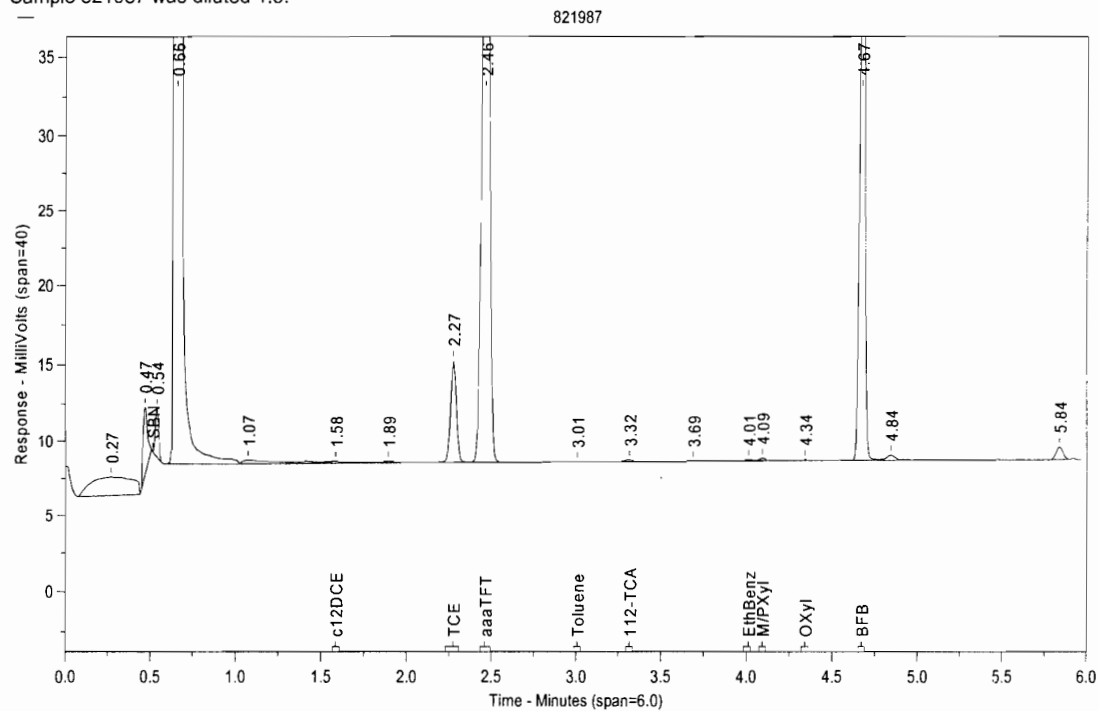
Chrom Perfect Chromatogram Report

Sample Name: 821987

Data File: C:\CPSpirit5\Data2\VoaF030910.0011.RAW

Acquired from Instrument 1 on 3/9/10 5:32:58 PM by

Sample 821987 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1246.10	3.01	Toluene	1	31.51
0.47		0	4536.97	3.32	112-TCA	8	136.51
0.54		0	3274.98	3.69		0	54.26
0.66		0	619752.13	4.01	EthBenz	1	86.39
1.07		0	240.77	4.09	M/PyXyl	-2	194.91
1.58	c12DCE	9	139.08	4.34	OXyl	-1	76.40
1.89		0	121.37	4.67	BFB	2279	46790.30
2.27	TCE	685	6649.39	4.84		0	351.42
2.46	aaaTFT	2069	52168.53	5.84		0	851.59

Surrogate aaaTFT recovery is 103.4%

Surrogate BFB recovery is 114.4%



Sample Handling

From: Origin ID: ISPA (856) 296-3435
Jon Simpson
Panther @ LAI
100 Sheep Pasture Road
Port Jefferson, NY 11777

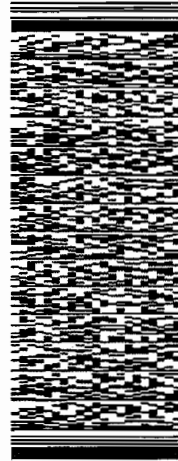


J111110222024

SHIP TO: (802) 660-1990 BILL SENDER

Sample Receiving
Test America
30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403



Ship Date: 05MAR10
ActWgt: 25.0 LB
CAD: 4128056/NET3010

Dims: 19 X 11 X 14 IN

Delivery Address Bar Code



Ref #
Invoice #
PO #
Dept #

IRK# 7984 4960 0912
0201

SATURDAY ### AA
PRIORITY OVERNIGHT

05403

VT-US

BTIV

X0 BTVA



TestAmerica Burlington SAMPLE RECEIPT & LOG IN CHECKLIST					
Client: PANTRA		Date Received: 03/06/10		Log In Date: 03/06/10	
ETR: 136246		Time Received: 0850		By: VJP	
SDG: 136246		Received By: OK		Signature: <i>[Signature]</i>	
Project: 29000		# Coolers Received: 1		PM Signature: <i>[Signature]</i>	
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)				Date: 03.9.10	
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		☒			
Custody seals are present and intact		☒			
Custody seal numbers are present			☒		
If yes, list custody seal numbers:					
Thermal Preservation Type: ☒ Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)					
IR Gun ID: 96		Correction Factor (CF) = 0 °C			
Cooler 1: 3.7 °C	Cooler 6	°C	Cooler 11	°C	Cooler 16
Cooler 2: °C	Cooler 7	°C	Cooler 12	°C	Cooler 17
Cooler 3: °C	Cooler 8	°C	Cooler 13	°C	Cooler 18
Cooler 4: °C	Cooler 9	°C	Cooler 14	°C	Cooler 19
Cooler 5: °C	Cooler 10	°C	Cooler 15	°C	Cooler 20
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		☒			
Legible sample labels are affixed to each container		☒			
CHAIN OF CUSTODY (COC)		YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:					
• Sample ID / Sample Description		☒			
• Date of Sample Collection		☒			
• Time of Sample Collection		☒	☒		<i>See below</i>
• Identification of the Sampler		☒			
• Preservation Type		☒			
• Requested Tests Method(s)		☒			
• Necessary Signatures		☒			
Internal Chain of Custody (ICOC) Required		☒	☒		
If yes to above, ICOC Record initiated for every Worksheet		☒		☒	
SAMPLE INTEGRITY / USABILITY		YES	NO	NA	COMMENTS
The sample container matches the COC		☒			
Appropriate sample containers were received for the tests requested		☒			
Samples were received within holding time		☒			
Sufficient amount of sample is provided for requested analyses		☒			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)		☒			
Appropriate preservatives were used for the tests requested		☒			
pH of inorganic samples checked and is within method specification		☒			
If no, attach Inorganic Sample pH Adjustment Form				☒	
ANOMALY / NCR SUMMARY					
<i>Sample container label MW-OC for TDS method listed</i>					
<i>No time, used time from the COC for login.</i>					
<i>Samples ID listed the same but each container listed</i>					
<i>different time. Login each sample container with</i>					
<i>different lab ID.</i>					



Subcontract Data

ANALYTICAL REPORT

Job Number: 680-55684-1

SDG Number: 136246

Job Description: Lawrence Aviation Industry Site

For:

TestAmerica Laboratories, Inc.

30 Community Drive

Suite 11

South Burlington, VT 05403

Attention: Mr. Joseph Carabillo



Approved for release.
Lidya Gulizia
Project Manager I
3/17/2010 12:09 PM

Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

03/17/2010

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

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Job Narrative
680-55684-1 / SDG 136246

Receipt

All samples were received in good condition within temperature requirements.

General Chemistry

No analytical or quality issues were noted.

Comments

No additional comments.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-55684-1	MW-04	Water	03/05/2010 1225	03/09/2010 0924
680-55684-2	MW-04	Water	03/05/2010 1235	03/09/2010 0924
680-55684-3	MW-04	Water	03/05/2010 1240	03/09/2010 0924
680-55684-4	MW-04	Water	03/05/2010 1245	03/09/2010 0924

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

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: 680-55684-1

Sdg Number: 136246

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

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

General Chemistry

Client Sample ID: **MW-04**

Lab Sample ID: 680-55684-1

Date Sampled: 03/05/2010 1225

Client Matrix: Water

Date Received: 03/09/2010 0924

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	8.3		mg/L	0.50	1.0	1.0	SM 5310B

Analysis Batch: 680-162886 Date Analyzed: 03/10/2010 1012

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

General Chemistry

Client Sample ID: **MW-04**

Lab Sample ID: 680-55684-2

Date Sampled: 03/05/2010 1235

Client Matrix: Water

Date Received: 03/09/2010 0924

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540D

Analysis Batch: 680-162663 Date Analyzed: 03/09/2010 1814

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

General Chemistry**Client Sample ID: MW-04**

Lab Sample ID: 680-55684-3

Date Sampled: 03/05/2010 1240

Client Matrix: Water

Date Received: 03/09/2010 0924

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	24		mg/L	1.0	5.0	5.0	300.0
Analysis Batch: 680-162778 Date Analyzed: 03/10/2010 1040							
Sulfate	37		mg/L	2.6	5.0	5.0	300.0
Analysis Batch: 680-162778 Date Analyzed: 03/10/2010 1040							
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	47		mg/L	5.0	5.0	1.0	SM 2320B
Analysis Batch: 680-162657 Date Analyzed: 03/09/2010 1628							

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

General Chemistry

Client Sample ID: **MW-04**

Lab Sample ID: 680-55684-4

Date Sampled: 03/05/2010 1245

Client Matrix: Water

Date Received: 03/09/2010 0924

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Dissolved Solids	260		mg/L	5.0	5.0	1.0	SM 2540C

Analysis Batch: 680-162750 Date Analyzed: 03/10/2010 1425

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Method Blank - Batch: 680-162778

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 680-162778/2
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 03/10/2010 1011
Date Prepared: N/A

Analysis Batch: 680-162778
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0005.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL

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

Lab Control Sample - Batch: 680-162778

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 680-162778/3
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 03/10/2010 1022
Date Prepared: N/A

Analysis Batch: 680-162778
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0006.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	49.9	100	90 - 110	
Sulfate	50.0	50.2	100	90 - 110	

Matrix Spike - Batch: 680-162778

Method: 300.0

Preparation: N/A

Lab Sample ID: 680-55684-3
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 03/10/2010 1057
Date Prepared: N/A

Analysis Batch: 680-162778
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0008.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL
1 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	24	50.0	75.7	104	90 - 110	
Sulfate	37	50.0	88.7	102	90 - 110	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Method Blank - Batch: 680-162657

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 680-162657/9

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/09/2010 1411

Date Prepared: N/A

Analysis Batch: 680-162657

Prep Batch: N/A

Units: mg/L

Instrument ID: MANTECH

Lab File ID: N/A

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: 680-162657

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 680-162657/10

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/09/2010 1420

Date Prepared: N/A

Analysis Batch: 680-162657

Prep Batch: N/A

Units: mg/L

Instrument ID: MANTECH

Lab File ID: N/A

Initial Weight/Volume: 25 mL

Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	514	506	98	80 - 120	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Method Blank - Batch: 680-162750

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 680-162750/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/10/2010 1425
Date Prepared: N/A

Analysis Batch: 680-162750
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: 680-162750

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-162750/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/10/2010 1425
Date Prepared: N/A

Analysis Batch: 680-162750
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 680-162750/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/10/2010 1425
Date Prepared: N/A

Analysis Batch: 680-162750
Prep Batch: N/A
Units: mg/L

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Dissolved Solids	86	84	80 - 120	2	25		

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-162750

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-162750/2

Units: mg/L

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/10/2010 1425

Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-162750/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/10/2010 1425

Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	475	475	410	400

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Method Blank - Batch: 680-162663

Method: SM 2540D

Preparation: N/A

Lab Sample ID: MB 680-162663/1

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/09/2010 1800

Date Prepared: N/A

Analysis Batch: 680-162663

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 - Batch: 680-162663

Method: SM 2540D

Preparation: N/A

Lab Sample ID: LCS 680-162663/2

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/09/2010 1800

Date Prepared: N/A

Analysis Batch: 680-162663

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	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	100	106	106	80 - 120	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Method Blank - Batch: 680-162886

Method: SM 5310B

Preparation: N/A

Lab Sample ID: MB 680-162886/1

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/10/2010 1012

Date Prepared: N/A

Analysis Batch: 680-162886

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	MDL	RL
Total Organic Carbon	1.0	U	0.50	1.0

Lab Control Sample - Batch: 680-162886

Method: SM 5310B

Preparation: N/A

Lab Sample ID: LCS 680-162886/2

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/10/2010 1012

Date Prepared: N/A

Analysis Batch: 680-162886

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	19.4	97	80 - 120	

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

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

Lab Section	Qualifier	Description
General Chemistry	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1

Sdg Number: 136246

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-162657					
LCS 680-162657/10	Lab Control Sample	T	Water	SM 2320B	
MB 680-162657/9	Method Blank	T	Water	SM 2320B	
680-55684-3	MW-04	T	Water	SM 2320B	
Analysis Batch:680-162663					
LCS 680-162663/2	Lab Control Sample	T	Water	SM 2540D	
MB 680-162663/1	Method Blank	T	Water	SM 2540D	
680-55684-2	MW-04	T	Water	SM 2540D	
Analysis Batch:680-162750					
LCS 680-162750/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 680-162750/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 680-162750/1	Method Blank	T	Water	SM 2540C	
680-55684-4	MW-04	T	Water	SM 2540C	
Analysis Batch:680-162778					
LCS 680-162778/3	Lab Control Sample	T	Water	300.0	
MB 680-162778/2	Method Blank	T	Water	300.0	
680-55684-3	MW-04	T	Water	300.0	
680-55684-3MS	Matrix Spike	T	Water	300.0	
Analysis Batch:680-162886					
LCS 680-162886/2	Lab Control Sample	T	Water	SM 5310B	
MB 680-162886/1	Method Blank	T	Water	SM 5310B	
680-55684-1	MW-04	T	Water	SM 5310B	

Report Basis

T = Total

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1
SDG: 136246

Laboratory Chronicle

Lab ID: 680-55684-1

Client ID: MW-04

Sample Date/Time: 03/05/2010 12:25

Received Date/Time: 03/09/2010 09:24

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 5310B	680-55684-A-1		680-162886		03/10/2010 10:12	1	TAL SAV	KB

Lab ID: 680-55684-2

Client ID: MW-04

Sample Date/Time: 03/05/2010 12:35

Received Date/Time: 03/09/2010 09:24

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540D	680-55684-A-2		680-162663		03/09/2010 18:14	1	TAL SAV	MSJ

Lab ID: 680-55684-3

Client ID: MW-04

Sample Date/Time: 03/05/2010 12:40

Received Date/Time: 03/09/2010 09:24

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-55684-A-3		680-162778		03/10/2010 10:40	5	TAL SAV	CB
A:SM 2320B	680-55684-A-3		680-162657		03/09/2010 16:28	1	TAL SAV	JV

Lab ID: 680-55684-3 MS

Client ID: MW-04

Sample Date/Time: 03/05/2010 12:40

Received Date/Time: 03/09/2010 09:24

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-55684-A-3 MS		680-162778		03/10/2010 10:57	5	TAL SAV	CB

Lab ID: 680-55684-4

Client ID: MW-04

Sample Date/Time: 03/05/2010 12:45

Received Date/Time: 03/09/2010 09:24

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	680-55684-A-4		680-162750		03/10/2010 14:25	1	TAL SAV	MSJ

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 680-162778/2		680-162778		03/10/2010 10:11	5	TAL SAV	CB
A:SM 2320B	MB 680-162657/9		680-162657		03/09/2010 14:11	1	TAL SAV	JV
A:SM 2540C	MB 680-162750/1		680-162750		03/10/2010 14:25	1	TAL SAV	MSJ
A:SM 2540D	MB 680-162663/1		680-162663		03/09/2010 18:00	1	TAL SAV	MSJ
A:SM 5310B	MB 680-162886/1		680-162886		03/10/2010 10:12	1	TAL SAV	KB

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-55684-1
SDG: 136246

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 680-162778/3		680-162778		03/10/2010 10:22	5	TAL SAV	CB
A:SM 2320B	LCS 680-162657/10		680-162657		03/09/2010 14:20	1	TAL SAV	JV
A:SM 2540C	LCS 680-162750/2		680-162750		03/10/2010 14:25	1	TAL SAV	MSJ
A:SM 2540D	LCS 680-162663/2		680-162663		03/09/2010 18:00	1	TAL SAV	MSJ
A:SM 5310B	LCS 680-162886/2		680-162886		03/10/2010 10:12	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 680-162750/3		680-162750		03/10/2010 14:25	1	TAL SAV	MSJ

Lab References:

TAL SAV = TestAmerica Savannah

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-55684-1
SDG No.: 136246
Project: Lawrence Aviation Industry Site

Client Sample ID	Lab Sample ID
<u>MW-04</u>	<u>680-55684-1</u>
<u>MW-04</u>	<u>680-55684-2</u>
<u>MW-04</u>	<u>680-55684-3</u>
<u>MW-04</u>	<u>680-55684-4</u>

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-04

Lab Sample ID: 680-55684-1

Lab Name: TestAmerica Savannah

Job No.: 680-55684-1

SDG ID.: 136246

Matrix: Water

Date Sampled: 03/05/2010 12:25

Reporting Basis: WET

Date Received: 03/09/2010 09:24

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	8.3	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	MW-04	Lab Sample ID:	680-55684-2
Lab Name:	TestAmerica Savannah	Job No.:	680-55684-1
SDG ID.:	136246		
Matrix:	Water	Date Sampled:	03/05/2010 12:35
Reporting Basis:	WET	Date Received:	03/09/2010 09:24

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-04

Lab Sample ID: 680-55684-3

Lab Name: TestAmerica Savannah

Job No.: 680-55684-1

SDG ID.: 136246

Matrix: Water

Date Sampled: 03/05/2010 12:40

Reporting Basis: WET

Date Received: 03/09/2010 09:24

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	37	5.0	2.6	mg/L			5	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-04

Lab Sample ID: 680-55684-3

Lab Name: TestAmerica Savannah

Job No.: 680-55684-1

SDG ID.: 136246

Matrix: Water

Date Sampled: 03/05/2010 12:40

Reporting Basis: WET

Date Received: 03/09/2010 09:24

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	47	5.0		mg/L			1	SM 2320B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	MW-04	Lab Sample ID:	680-55684-4
Lab Name:	TestAmerica Savannah	Job No.:	680-55684-1
SDG ID.:	136246		
Matrix:	Water	Date Sampled:	03/05/2010 12:45
Reporting Basis:	WET	Date Received:	03/09/2010 09:24

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Total Dissolved Solids	260	5.0		mg/L			1	SM 2540C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-55684-1
SDG No.: 136246
Analyst: CB Batch Start Date: 03/10/2010
Reporting Units: mg/L Analytical Batch No.: 162778

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	09:58	Chloride	51.2	50.0	102	90-110		Anion-4_00045
			Sulfate	49.3	50.0	99	90-110		Anion-4_00045
13	CCV	12:36	Chloride	51.5	50.0	103	90-110		Anion-4_00045
			Sulfate	50.8	50.0	102	90-110		Anion-4_00045
14	CCB	12:51	Chloride	5.0				U	
			Sulfate	5.0				U	

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

TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2010 08:56
 End Cal Date : 09-MAR-2010 09:58
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
 Cal Date : 10-Mar-2010 14:36 brazellc

Calibration File Names:

Level 1: /chem/LC/LCGIC.i/1G030910A-NPW.b/0004.d
 Level 2: /chem/LC/LCGIC.i/1G030910A-NPW.b/0005.d
 Level 3: /chem/LC/LCGIC.i/1G030910A-NPW.b/0006.d
 Level 4: /chem/LC/LCGIC.i/1G030910A-NPW.b/0007.d
 Level 5: /chem/LC/LCGIC.i/1G030910A-NPW.b/0008.d
 Level 6: /chem/LC/LCGIC.i/1G030910A-NPW.b/0009.d

Compound	1 Level 1	2 Level 2	3 Level 3	4 Level 4	5 Level 5	6 Level 6	Curve	b	Coefficients m1	m2	%RSD or R^2
1 FLUORIDE	36015	74240	187741	481465	1028801	2668984	LINR	0.000e+00	264614		0.99888
2 CHLORIDE	150969	151603	177965	171888	174691	179267	AVRG		167731		7.74875
4 SULFATE	116764	127968	133349	126473	129290	133395	AVRG		127873		4.79359
3 BROMIDE	52665	111281	271035	693782	1468843	3894997	QUAD	0.000e+00	0.00001	-3.919e-13	0.99990

TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2010 08:56
End Cal Date : 09-MAR-2010 09:58
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
Cal Date : 10-Mar-2010 14:36 brazellc

Curve	Formula	Units
Averaged	Ant = Rsp/ml	Response
Linear	Ant = b + Rsp/ml	Response
Quadratic	Ant = b + m1*Rsp + m2*Rsp^2	Response

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 680-55684-1

SDG No.: 136246

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 162778 Date: 03/10/2010 10:11							
300.0	MB 680-162778/2	Chloride	5.0	U	mg/L	5.0	5
300.0	MB 680-162778/2	Sulfate	5.0	U	mg/L	5.0	5
Batch ID: 162657 Date: 03/09/2010 14:11							
SM 2320B	MB 680-162657/9	Alkalinity	5.0	U	mg/L	5.0	1
Batch ID: 162750 Date: 03/10/2010 14:25							
SM 2540C	MB 680-162750/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 162663 Date: 03/09/2010 18:00							
SM 2540D	MB 680-162663/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 162886 Date: 03/10/2010 10:12							
SM 5310B	MB 680-162886/1	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.: 680-55684-1

SDG No.: 136246

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 162778 Date: 03/10/2010 10:57											
300.0	680-55684-3	Chloride	24		mg/L						
300.0	680-55684-3	Chloride	75.7		mg/L	50.0	104	90-110			
	MS										
300.0	680-55684-3	Sulfate	37		mg/L						
300.0	680-55684-3	Sulfate	88.7		mg/L	50.0	102	90-110			
	MS										

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 680-55684-1

SDG No.: 136246

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 162778 Date: 03/10/2010 10:22											
						LCS Source: Anion_ICV_00037					
300.0	LCS	Chloride	49.9		mg/L	50.0	100	90-110			
	680-162778/3										
300.0	LCS	Sulfate	50.2		mg/L	50.0	100	90-110			
	680-162778/3										
Batch ID: 162657 Date: 03/09/2010 14:20											
						LCS Source: Alk LCS_00051					
SM	LCS	Alkalinity	506		mg/L	514	98	80-120			
2320B	680-162657/10										
Batch ID: 162750 Date: 03/10/2010 14:25											
						LCS Source: TS/TDS LCS_00080					
SM	LCS	Total Dissolved Solids	410		mg/L	475	86	80-120	2	25	
2540C	680-162750/2										
Batch ID: 162663 Date: 03/09/2010 18:00											
						LCS Source: TSS LCS_00183					
SM	LCS	Total Suspended Solids	106		mg/L	100	106	80-120			
2540D	680-162663/2										
Batch ID: 162886 Date: 03/10/2010 10:12											
						LCS Source: TOC LCS_00036					
SM	LCS	Total Organic Carbon	19.4		mg/L	20.0	97	80-120			
5310B	680-162886/2										

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.: 680-55684-1

SDG No.: 136246

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 162750 Date: 03/10/2010 14:25			LCSD Source: TS/TDS LCS_00080								
SM 2540C	LCSD 680-162750/3	Total Dissolved Solids	400		mg/L	475	84	80-120	2	25	

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

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-55684-1
SDG Number: 136246
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: 680-55684-1
SDG Number: 136246
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: 680-55684-1
SDG Number: 136246
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: 680-55684-1
SDG Number: 136246
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: 680-55684-1
SDG Number: 136246
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.: 680-55684-1

SDG No.: 136246

Instrument ID: ICG Method: 300.0

Start Date: 03/10/2010 09:58 End Date: 03/10/2010 15:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C L -	S O 4																
CCV 680-162778/1	5		09:58	X	X																
MB 680-162778/2	5	T	10:11	X	X																
LCS 680-162778/3	5	T	10:22	X	X																
680-55684-3	5	T	10:40	X	X																
680-55684-3 MS	5	T	10:57	X	X																
ZZZZZZ			11:09																		
ZZZZZZ			11:22																		
ZZZZZZ			11:34																		
ZZZZZZ			11:46																		
ZZZZZZ			11:59																		
ZZZZZZ			12:11																		
ZZZZZZ			12:24																		
CCV 680-162778/13	5		12:36	X	X																
CCB 680-162778/14	5		12:51	X	X																
ZZZZZZ			13:04																		
ZZZZZZ			13:16																		
ZZZZZZ			13:29																		
ZZZZZZ			13:39																		
ZZZZZZ			13:50																		
ZZZZZZ			14:03																		
ZZZZZZ			14:18																		
ZZZZZZ			14:31																		
ZZZZZZ			14:43																		
ZZZZZZ			14:56																		
CCV 680-162778/25			15:08																		
CCB 680-162778/26			15:21																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-55684-1

SDG No.: 136246

Instrument ID: MANTECH Method: SM 2320B

Start Date: 03/09/2010 07:58 End Date: 03/09/2010 16:31

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A l k															
ZZZZZZ			07:58																
ZZZZZZ			08:02																
ZZZZZZ			08:06																
ZZZZZZ			08:10																
ZZZZZZ			13:43																
ZZZZZZ			13:48																
ZZZZZZ			13:59																
ZZZZZZ			14:05																
MB 680-162657/9	1	T	14:11	X															
LCS 680-162657/10	1	T	14:20	X															
ZZZZZZ			14:26																
ZZZZZZ			14:33																
ZZZZZZ			14:39																
ZZZZZZ			14:46																
ZZZZZZ			14:52																
ZZZZZZ			14:59																
ZZZZZZ			15:06																
ZZZZZZ			15:12																
ZZZZZZ			15:19																
ZZZZZZ			15:25																
ZZZZZZ			15:28																
ZZZZZZ			15:34																
ZZZZZZ			15:41																
ZZZZZZ			15:47																
ZZZZZZ			15:55																
ZZZZZZ			16:04																
ZZZZZZ			16:10																
ZZZZZZ			16:16																
ZZZZZZ			16:23																
680-55684-3	1	T	16:28	X															
ZZZZZZ			16:31																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-55684-1

SDG No.: 136246

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 03/10/2010 14:25 End Date: 03/10/2010 14:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T D S																	
MB 680-162750/1	1	T	14:25	X																	
LCS 680-162750/2	1	T	14:25	X																	
LCSD 680-162750/3	1	T	14:25	X																	
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
680-55684-4	1	T	14:25	X																	
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:25																		
ZZZZZZ			14:28																		
ZZZZZZ			14:28																		
ZZZZZZ			14:28																		
ZZZZZZ			14:28																		
ZZZZZZ			14:28																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-55684-1

SDG No.: 136246

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 03/09/2010 18:00 End Date: 03/09/2010 18:14

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T S S																	
MB 680-162663/1	1	T	18:00	X																	
LCS 680-162663/2	1	T	18:00	X																	
ZZZZZZ			18:01																		
ZZZZZZ			18:02																		
ZZZZZZ			18:04																		
ZZZZZZ			18:05																		
ZZZZZZ			18:06																		
ZZZZZZ			18:10																		
ZZZZZZ			18:10																		
ZZZZZZ			18:12																		
680-55684-2	1	T	18:14	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-55684-1

SDG No.: 136246

Instrument ID: NOEQUIP Method: SM 5310B

Start Date: 03/10/2010 10:12 End Date: 03/10/2010 10:12

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T O C																	
MB 680-162886/1	1	T	10:12	X																	
LCS 680-162886/2	1	T	10:12	X																	
680-55684-1	1	T	10:12	X																	
ZZZZZZ			10:12																		
ZZZZZZ			10:12																		
ZZZZZZ			10:12																		
ZZZZZZ			10:12																		

Prep Types

T = Total/NA

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0004.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 10-MAR-2010 09:58
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~1G031010
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 10-Mar-2010 10:17 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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		
2.967	2.967	0.000	483552	2.00000	1.8

3 BROMIDE			CAS #: 24959-67-9		
5.867	5.867	0.000	691345	10.0000	9.7

2 CHLORIDE			CAS #: 16887-00-6		
3.867	3.867	0.000	1718885	10.0000	10

4 SULFATE			CAS #: 14808-79-8		
4.458	4.458	0.000	1261448	10.0000	9.9

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0005.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 10-MAR-2010 10:11
Operator : CB Inst ID: LCGIC.i
Smp Info : MB~1G031010
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 10-Mar-2010 10:17 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0006.d
 Lab Smp Id: LCS Client Smp ID: LCS
 Inj Date : 10-MAR-2010 10:22
 Operator : CB Inst ID: LCGIC.i
 Smp Info : LCS~1G031010
 Misc Info : None
 Comment :
 Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
 Meth Date : 10-Mar-2010 10:17 brazellc Quant Type: ESTD
 Cal Date : 09-MAR-2010 09:58 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		
2.967	2.967	0.000	478690	1.80901	9.0

3 BROMIDE					
			CAS #: 24959-67-9		
5.875	5.867	0.008	676512	9.53311	48

2 CHLORIDE					
			CAS #: 16887-00-6		
3.867	3.867	0.000	1672731	9.97273	50

4 SULFATE					
			CAS #: 14808-79-8		
4.458	4.458	0.000	1283963	10.0409	50

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0007.d
 Lab Smp Id: 680-55684-A-3 Client Smp ID: MW-04
 Inj Date : 10-MAR-2010 10:40
 Operator : CB Inst ID: LCGIC.i
 Smp Info : 680-55684-A-3~1G031010
 Misc Info : 680-55684-A-3
 Comment :
 Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
 Meth Date : 10-Mar-2010 10:17 brazellc Quant Type: ESTD
 Cal Date : 09-MAR-2010 09:58 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		
2.975	2.967	0.008	1961975	7.41447	37

2 CHLORIDE			CAS #: 16887-00-6		
3.875	3.867	0.008	798013	4.75771	24

4 SULFATE			CAS #: 14808-79-8		
4.467	4.458	0.009	958915	7.49896	37

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0008.d
Lab Smp Id: 680-55684-A-3 MS Client Smp ID: 680-55684-A-3 MS
Inj Date : 10-MAR-2010 10:57
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-55684-A-3 MS~1G031010
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 10-Mar-2010 10:17 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS		
			ON-COL		FINAL		
RT	EXP RT	DLT RT	RESPONSE (mg/L)		(mg/L)		
==	=====	=====	=====	=====	=====		
1 FLUORIDE							
					CAS #: 16984-48-8		
2.975	2.967	0.008	2505973	9.47028	47	(R)	

3 BROMIDE							
					CAS #: 24959-67-9		
5.875	5.867	0.008	690921	9.73225	49		

2 CHLORIDE							
					CAS #: 16887-00-6		
3.875	3.867	0.008	2539186	15.1385	76	(R)	

4 SULFATE							
					CAS #: 14808-79-8		
4.467	4.458	0.009	2267555	17.7329	89	(R)	

Data File: /chem/LC/LCGIC.i/1G031010A-NPW.b/0008.d
Report Date: 10-Mar-2010 16:19

Page 2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0016.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 10-MAR-2010 12:36
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~1G031010
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 10-Mar-2010 16:20 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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		
2.967	2.967	0.000	498774	2.00000	1.9

3 BROMIDE			CAS #: 24959-67-9		
5.883	5.883	0.000	692617	10.0000	9.8

2 CHLORIDE			CAS #: 16887-00-6		
3.875	3.875	0.000	1726063	10.0000	10

4 SULFATE			CAS #: 14808-79-8		
4.483	4.483	0.000	1300440	10.0000	10

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0017.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 10-MAR-2010 12:51
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~1G031010
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 10-Mar-2010 16:20 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0028.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 10-MAR-2010 15:08
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~1G031010
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 10-Mar-2010 16:20 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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		
2.975	2.975	0.000	500399	2.00000	1.9

3 BROMIDE			CAS #: 24959-67-9		
5.917	5.917	0.000	689548	10.0000	9.7

2 CHLORIDE			CAS #: 16887-00-6		
3.892	3.892	0.000	1723058	10.0000	10

4 SULFATE			CAS #: 14808-79-8		
4.508	4.508	0.000	1310077	10.0000	10

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G031010A-NPW.b/0029.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 10-MAR-2010 15:21
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~1G031010
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G031010A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 10-Mar-2010 16:20 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

Data File: 0004.d

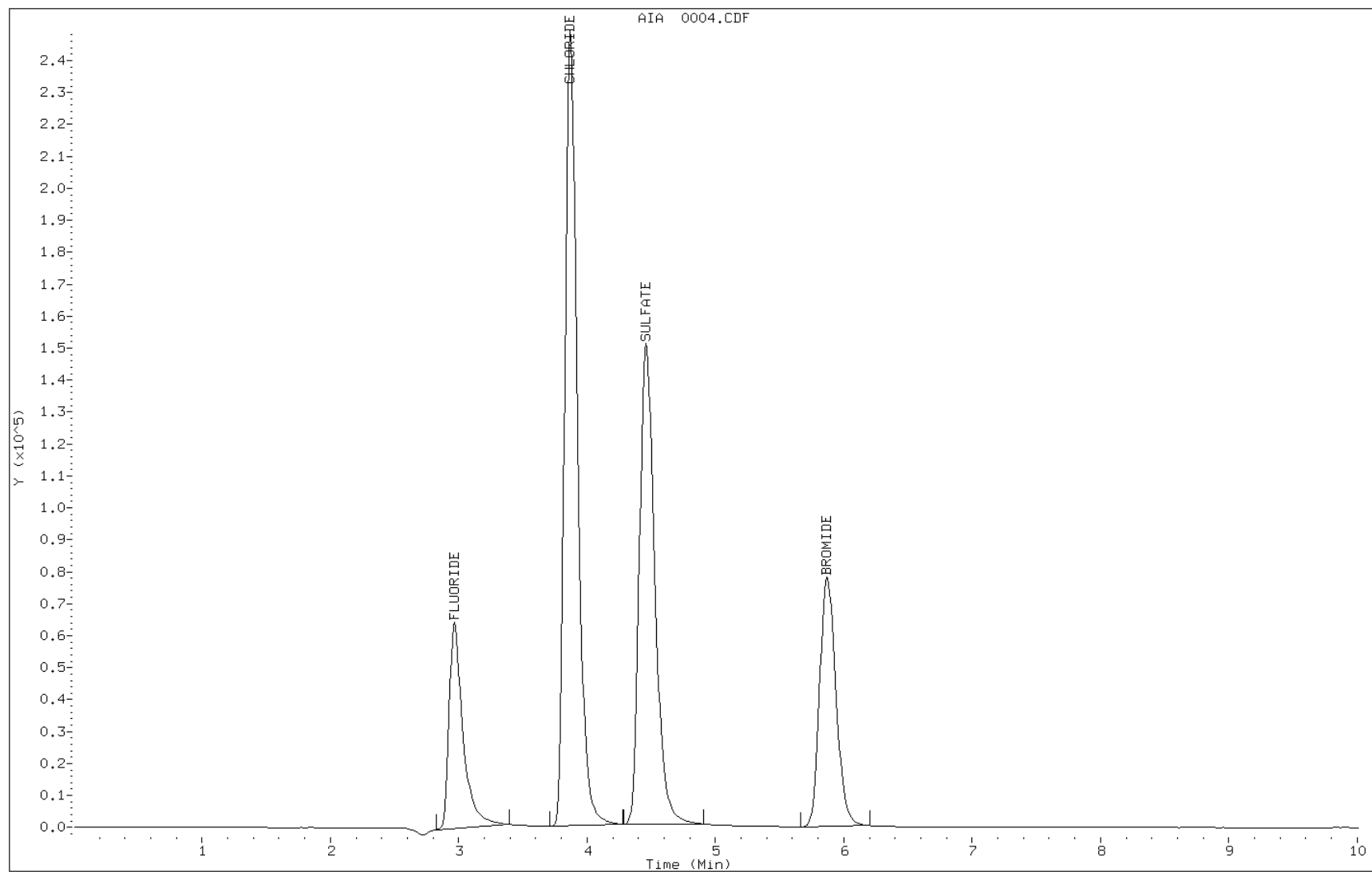
Date: 10-MAR-2010 09:58

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~1G031010

Operator: CB



Data File: 0005.d

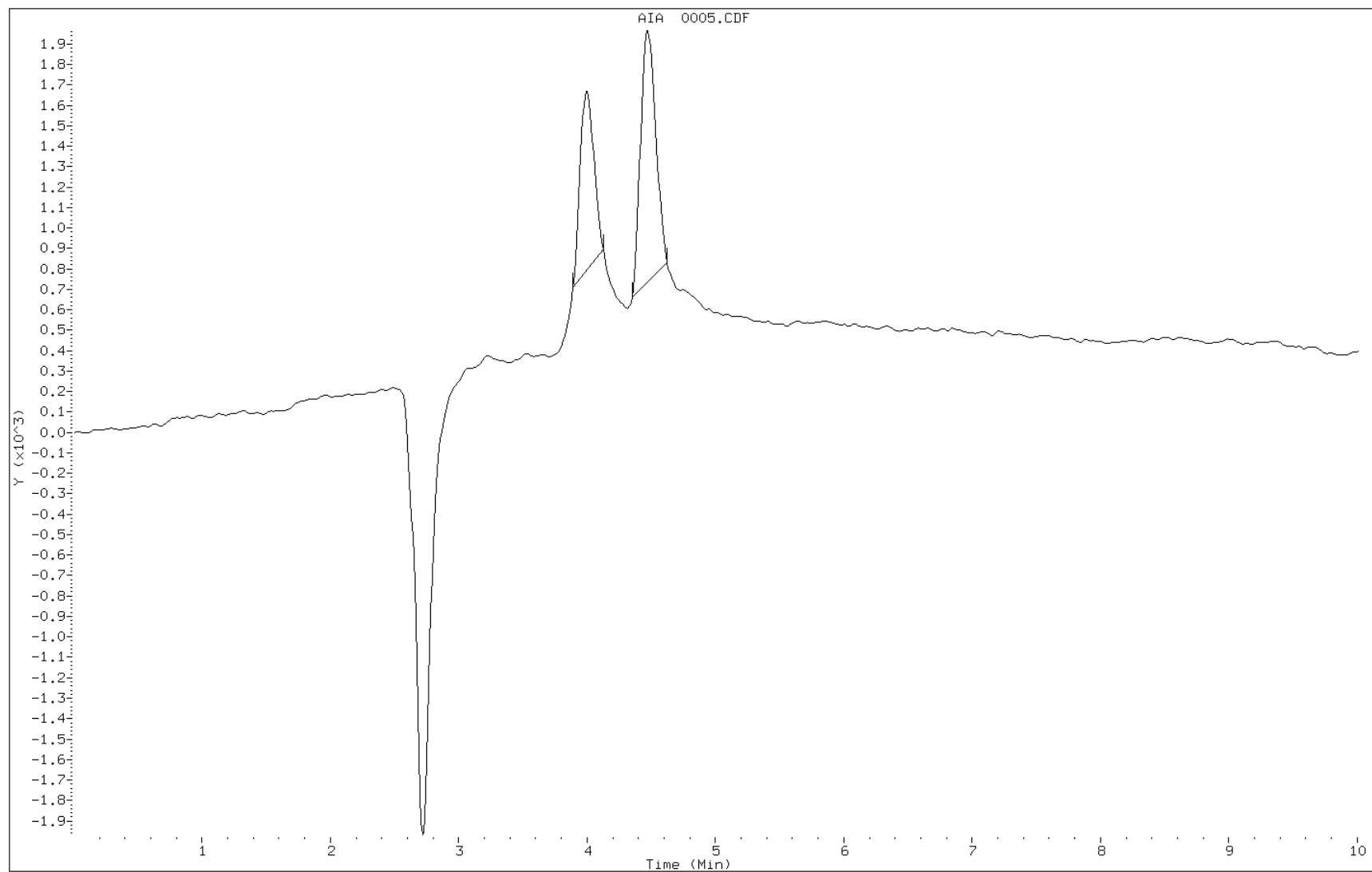
Date: 10-MAR-2010 10:11

Client ID: MB

Instrument: LCGIC.i

Sample Info: MB~1G031010

Operator: CB



Data File: 0006.d

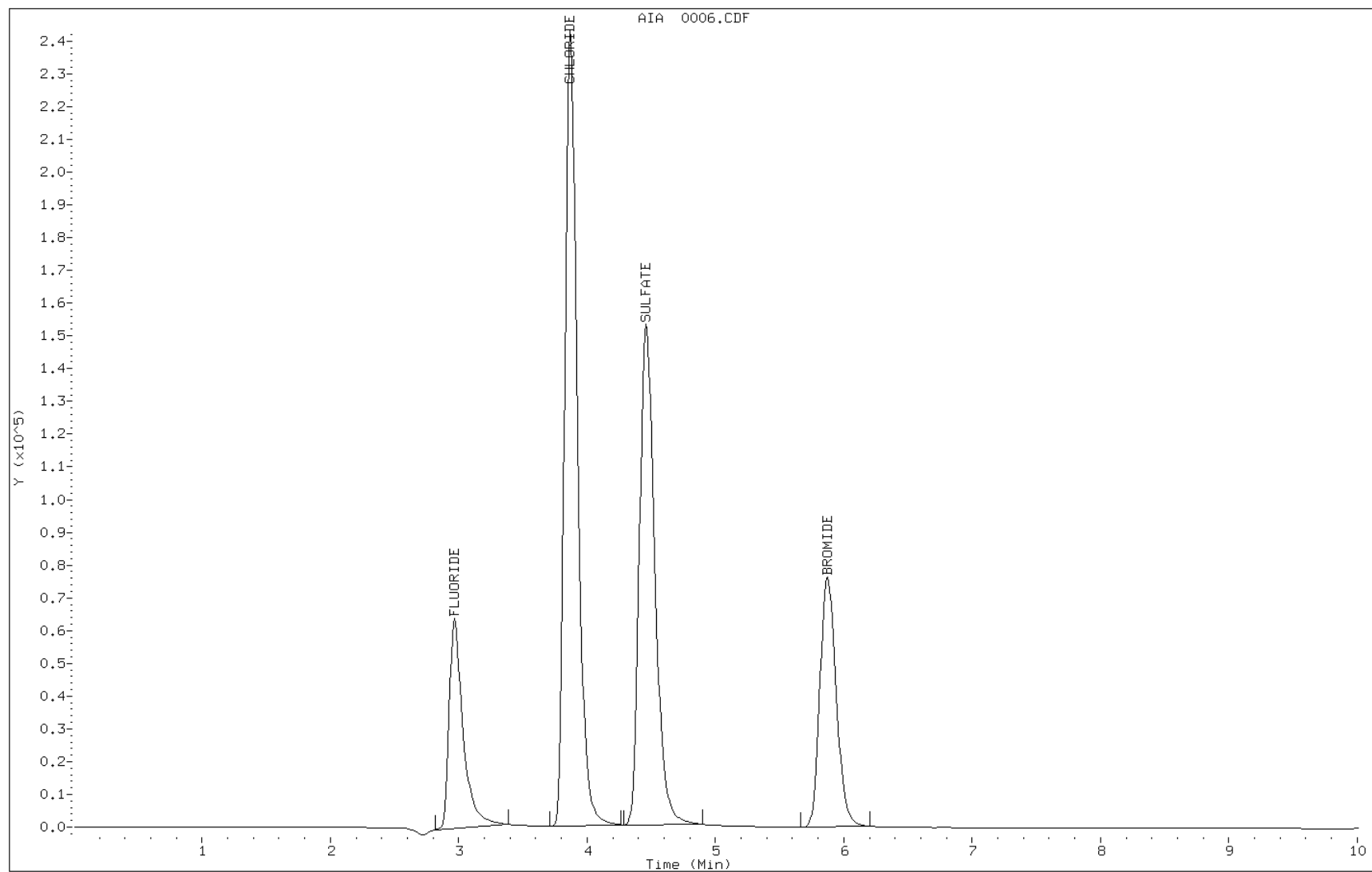
Date: 10-MAR-2010 10:22

Client ID: LCS

Instrument: LCGIC.i

Sample Info: LCS~1G031010

Operator: CB



Data File: 0007.d

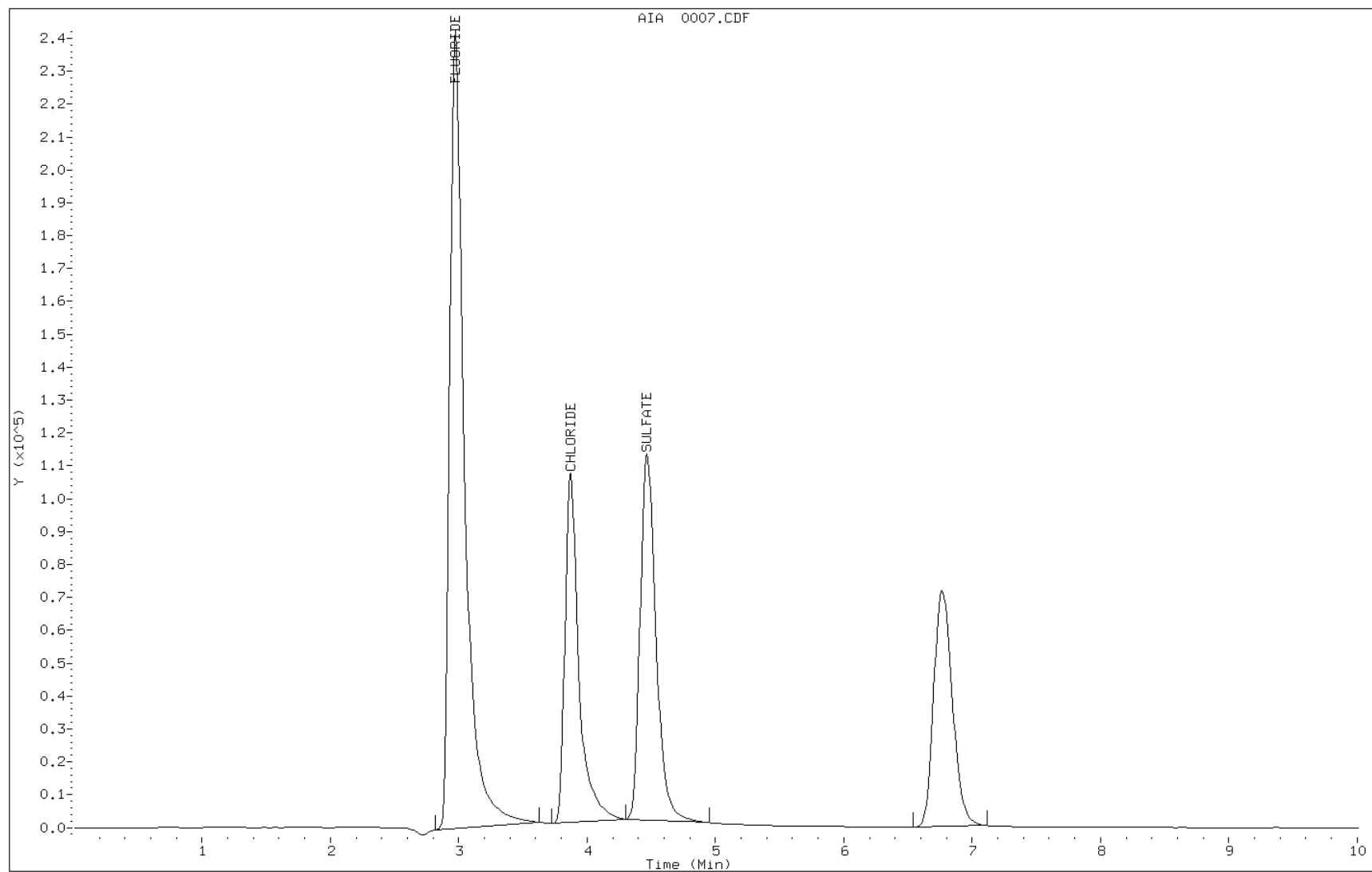
Date: 10-MAR-2010 10:40

Client ID: MW-04

Instrument: LCGIC.i

Sample Info: 680-55684-A-3~1G031010

Operator: CB



Data File: 0008.d

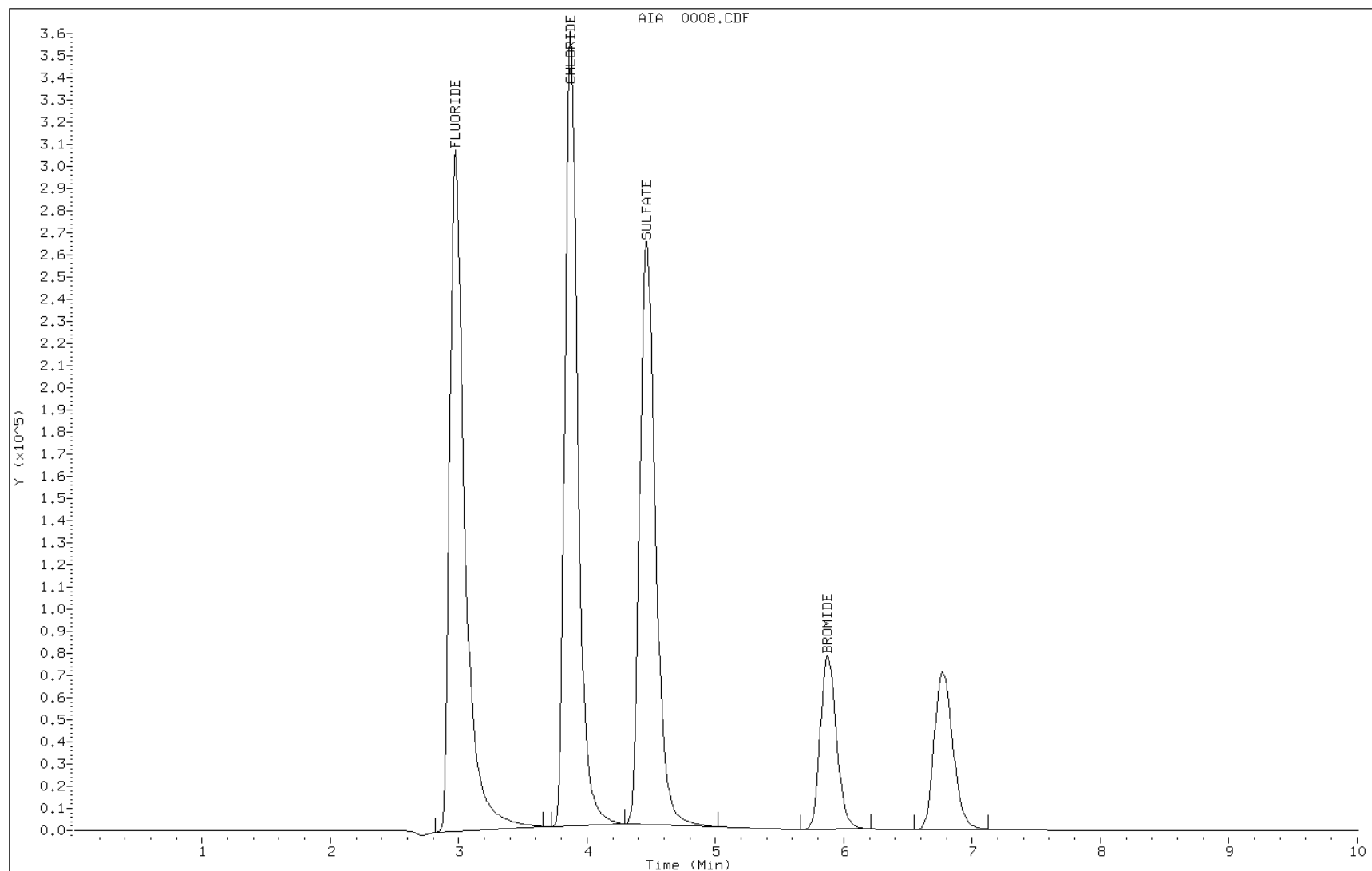
Date: 10-MAR-2010 10:57

Client ID: 680-55684-A-3 MS

Instrument: LCGIC.i

Sample Info: 680-55684-A-3 MS~1G031010

Operator: CB



Data File: 0016.d

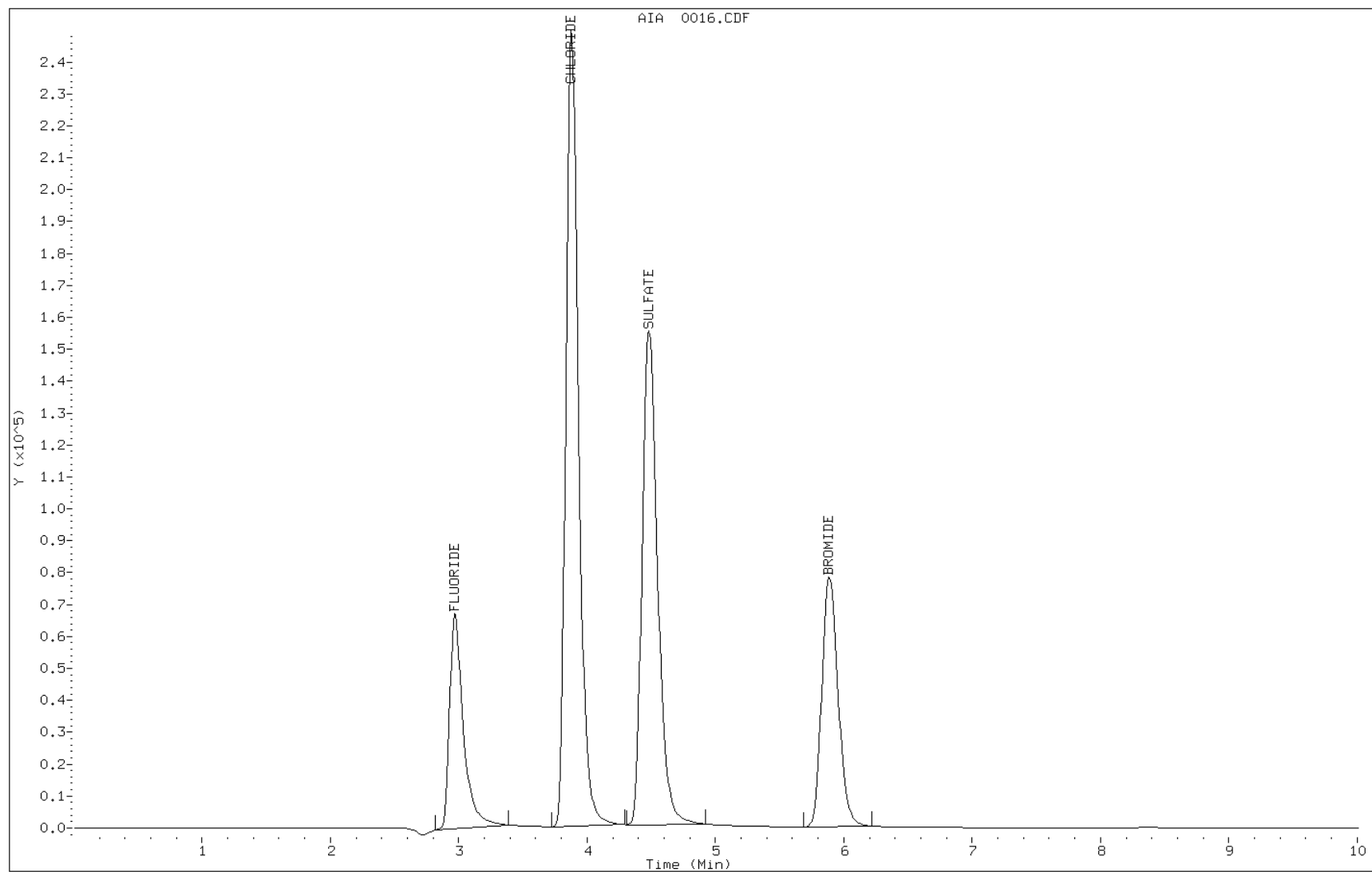
Date: 10-MAR-2010 12:36

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~1G031010

Operator: CB



Data File: 0017.d

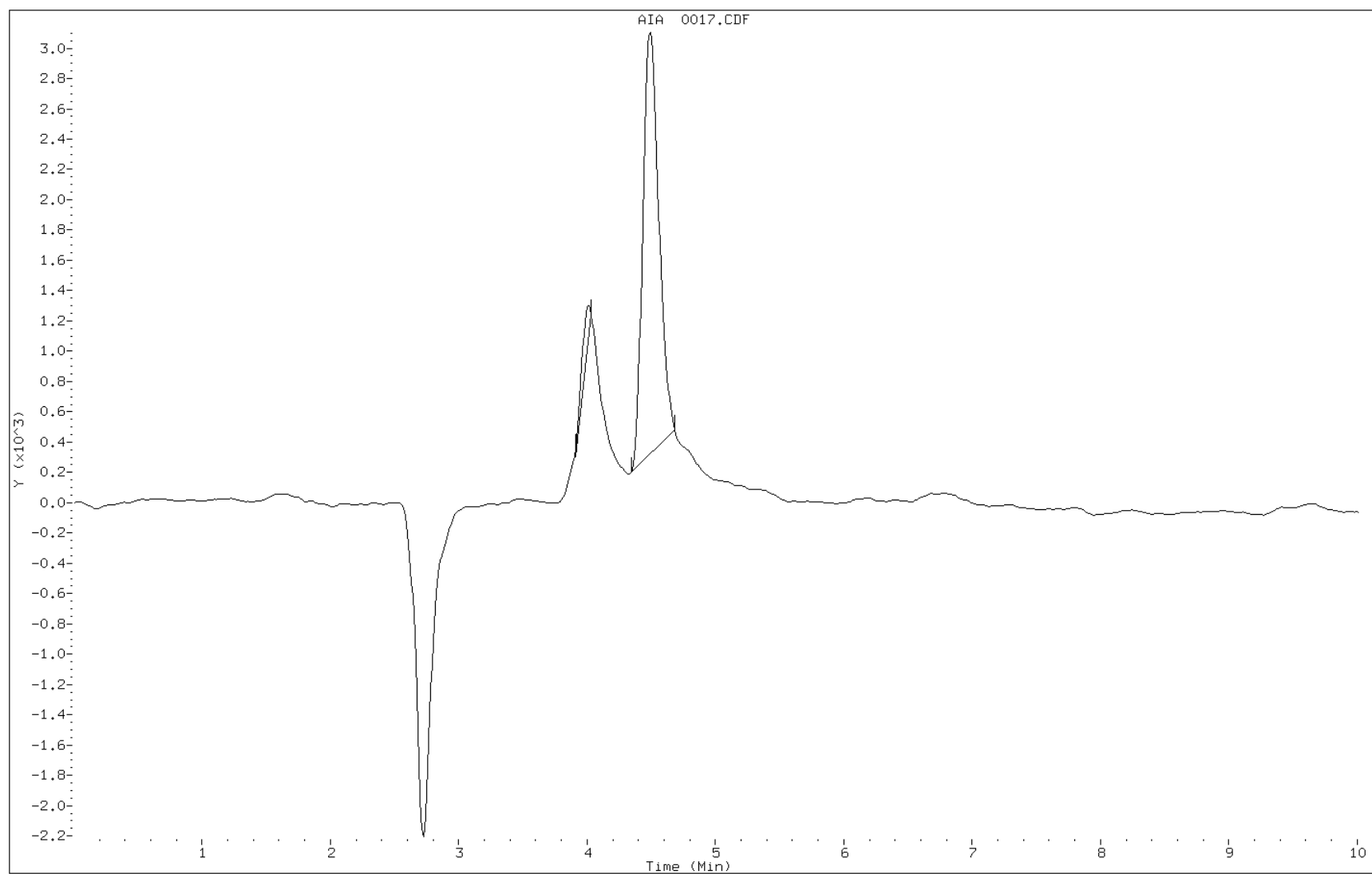
Date: 10-MAR-2010 12:51

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~1G031010

Operator: CB



Data File: 0028.d

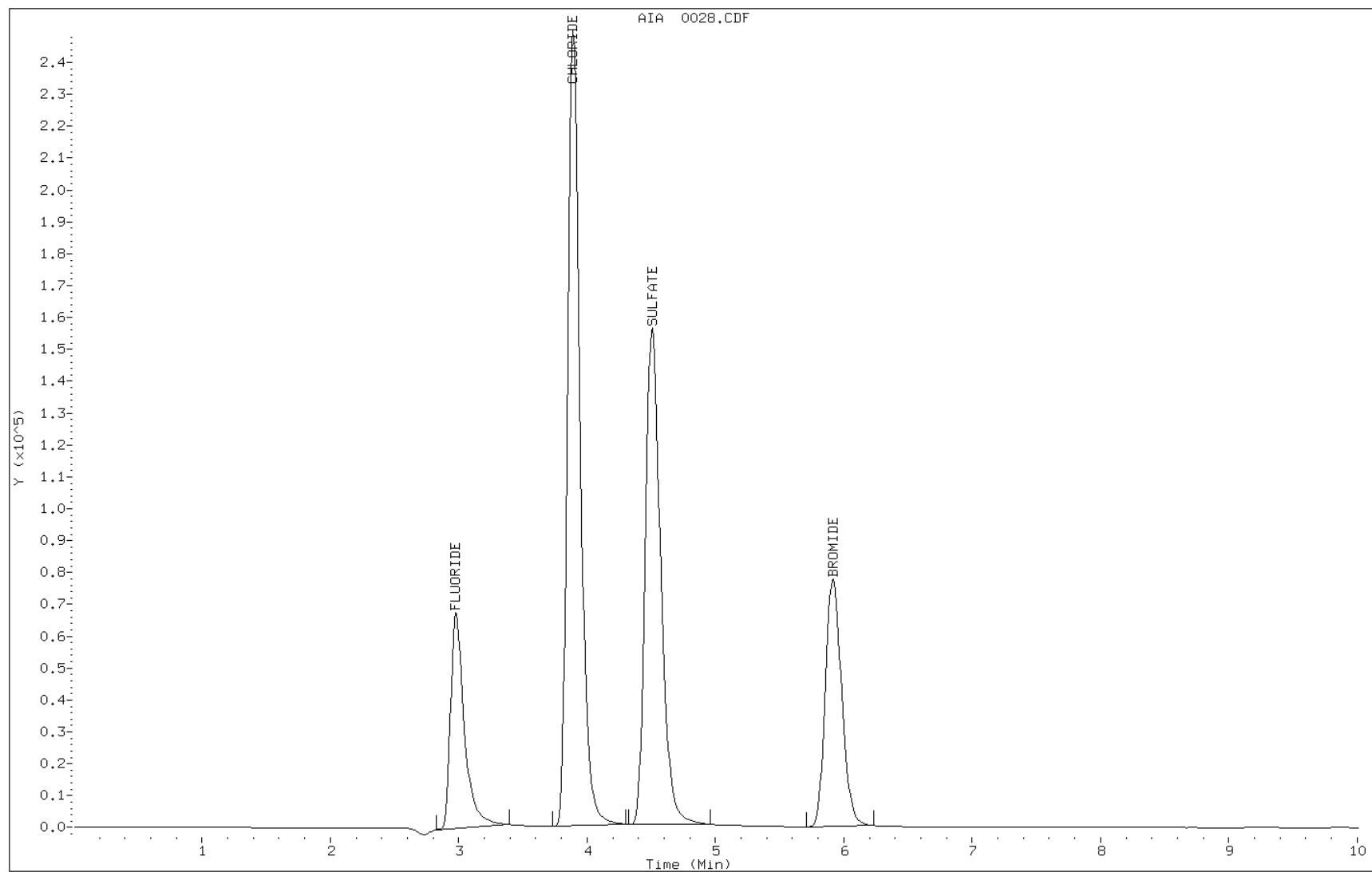
Date: 10-MAR-2010 15:08

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~1G031010

Operator: CB



Data File: 0029.d

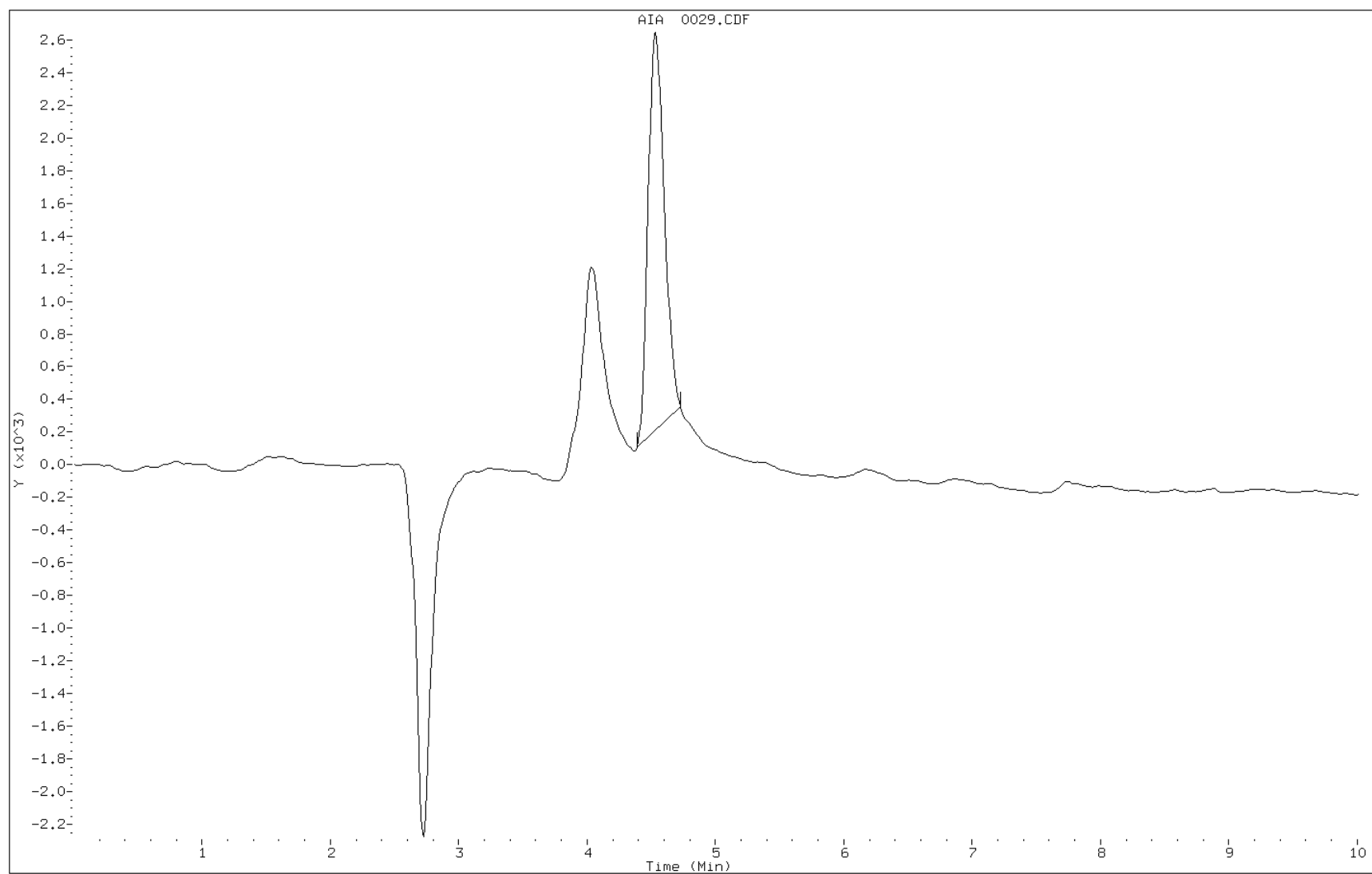
Date: 10-MAR-2010 15:21

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~1G031010

Operator: CB



Method: EPA 160.1 and SM 2540C

Date: 03-10-10

Analyst Initials:

AD Batch: 162750

Balance ID: 13

Dish ID	Tare 1 (g)	Tare 2 (g)	Pass/Fail
	= LIMS Tare Weight	= Verification if the Tare Weight Verification below fails	
82	72.3447		
83	77.5512		
103	76.7057		
84	75.4244		
85	77.4397		
12	73.0952		
900	72.2603		
86	77.8553		
		MJ	
		03-10-10	

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:

Balance ID:

Tare 1 (g):

Tare 2 (g):

Pass/Fail:

THE LEADER IN ENVIRONMENTAL TESTING

	Sample Name	Sample ID	Dilutio	Result	Status	Date / Time	Vial
1	cal10		1.000		Completed	3/8/2010 11:56:47 AM	1, 2, 4, 5
2	cal100		1.000		Completed	3/8/2010 12:38:10 PM	2, 5, 6, 7
3	cal500		1.000		Completed	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

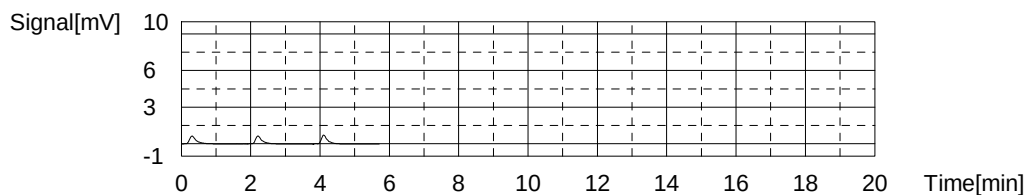
Sample Name: cal10
Sample ID:
Cal. Curve: cal10.2010_03_08_11_20_17.cal
Status Completed

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

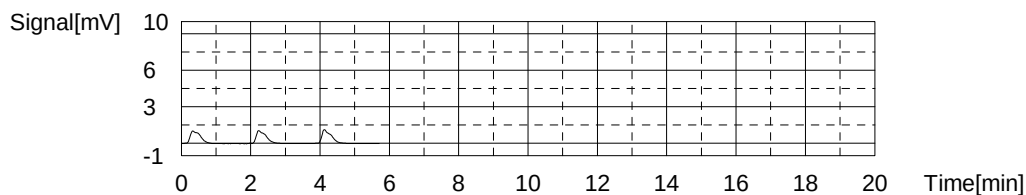
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 0.8143



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

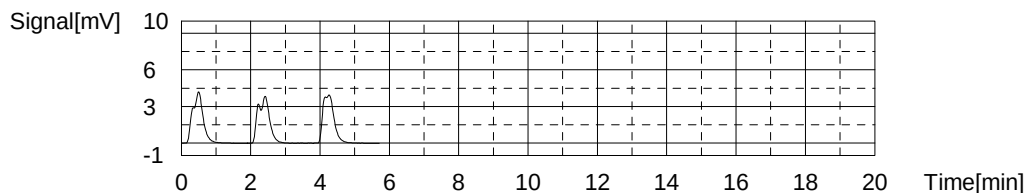
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.026



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

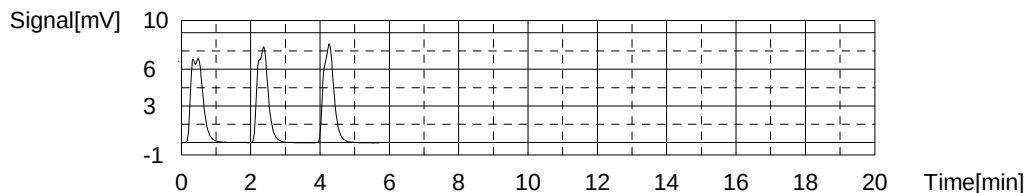
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 8.744



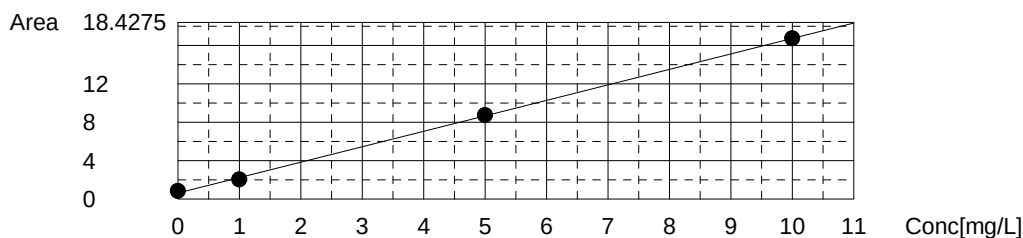
Conc: 10.00mg/L

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

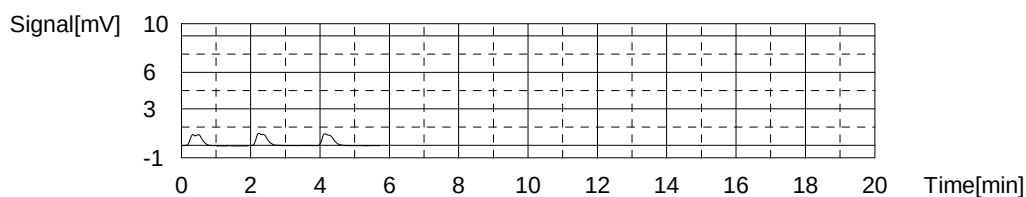
Sample Name: cal100
Sample ID:
Cal. Curve: cal100a.2010_03_08_11_56_47.cal
Status Completed

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

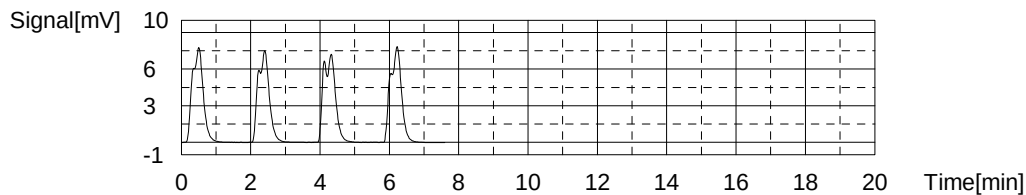
Acid Add. 0.000%
Mean Area 2.045



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

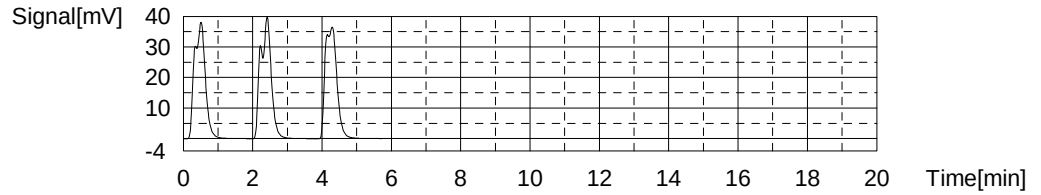
Acid Add. 0.000%
Mean Area 17.18



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

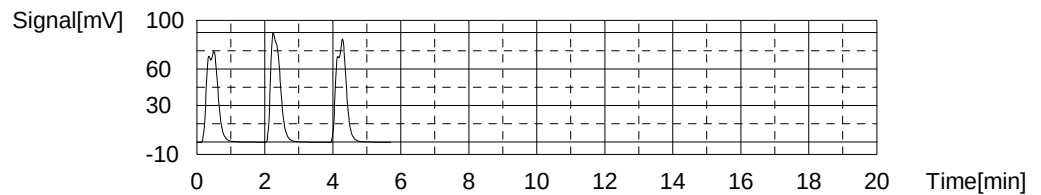
Acid Add. 0.000%
Mean Area 84.52



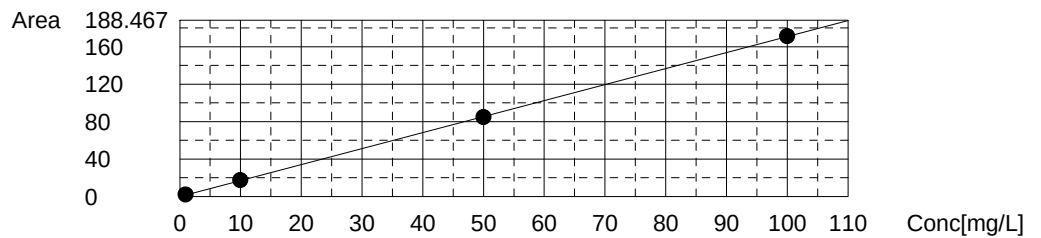
Conc: 100.0mg/L

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

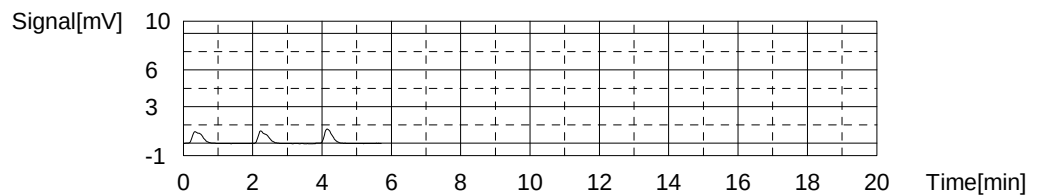
Sample Name: cal500
Sample ID: cal500a.2010_03_08_13_34_57.cal
Cal. Curve: Completed
Status

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

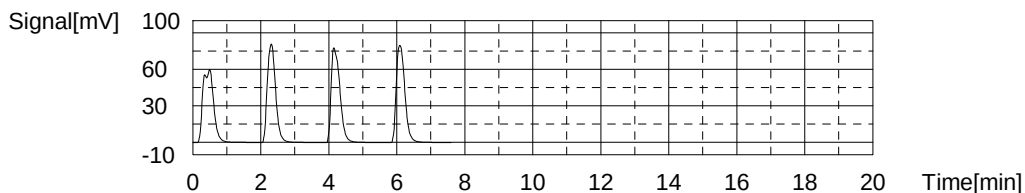
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 1.830



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

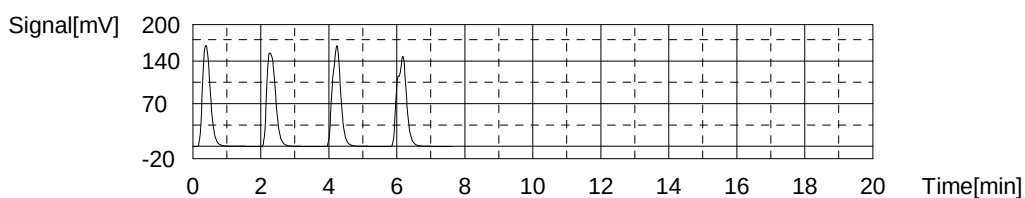
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 138.0



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

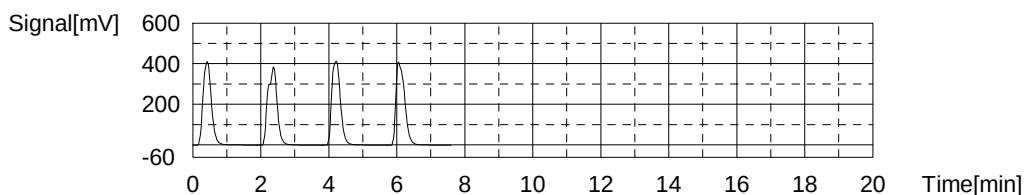
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 280.9



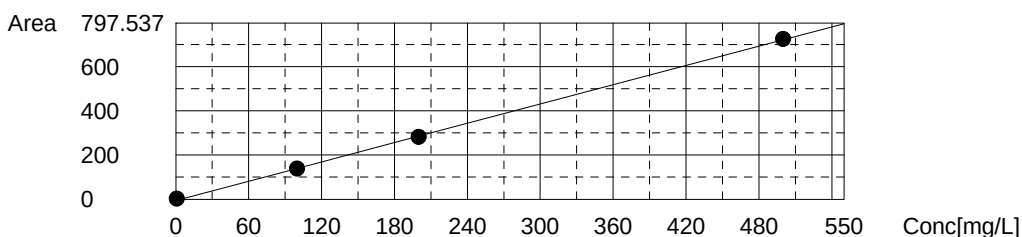
Conc: 500.0mg/L

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:4.810mg/L	Completed	3/10/2010 10:12:15 AM	1
2	CCB		1.000	!!Failed!! NPOC:-0.2623mg/L	Completed	3/10/2010 10:26:36 AM	2
3	BICARB/CARB		1.000	!!Failed!! NPOC:-0.07061mg/L	Completed	3/10/2010 10:40:56 AM	3
4	LCS	TV=20PPM	1.000	NPOC:19.43mg/L	Completed	3/10/2010 10:57:21 AM	4
5	680-55684-a-1		1.000	NPOC:8.257mg/L	Completed	3/10/2010 11:16:33 AM	5
6	680-55684-3	TC	1.000	TC:32.69mg/L	Completed	3/10/2010 11:28:33 AM	6
7	680-55111-h-1		1.000	NPOC:5.786mg/L	Completed	3/10/2010 11:42:52 AM	7
8	680-55111-h-3		1.000	NPOC:3.424mg/L	Completed	3/10/2010 11:59:16 AM	8
9	680-55111-h-5		1.000	NPOC:3.467mg/L	Completed	3/10/2010 12:16:09 PM	9
10	680-55111-h-7		1.000	NPOC:5.638mg/L	Completed	3/10/2010 12:30:29 PM	10
11	680-55143-h-1		1.000	NPOC:8.350mg/L	Completed	3/10/2010 12:51:06 PM	11
12	680-55143-h-3		1.000	NPOC:12.07mg/L	Completed	3/10/2010 1:07:23 PM	12
13	CCV	TOCCALSTD4-21	1.000	NPOC:50.26mg/L	Completed	3/10/2010 1:23:46 PM	13
14	CCB		1.000	!!Failed!! NPOC:-0.1326mg/L	Completed	3/10/2010 1:40:09 PM	14
15	680-55143-h-5		1.000	NPOC:11.18mg/L	Completed	3/10/2010 1:54:31 PM	15
16	680-55185-h-1		1.000	NPOC:9.903mg/L	Completed	3/10/2010 2:13:30 PM	16
17	680-55518-c-1		1.000	NPOC:1.408mg/L	Completed	3/10/2010 2:29:55 PM	17
18	680-55518-b-1 ms		1.000	NPOC:21.75mg/L	Completed	3/10/2010 2:46:17 PM	18
19	680-55518-b-1 msd		1.000	NPOC:21.85mg/L	Completed	3/10/2010 3:01:32 PM	18
20	680-55379-h-1		1.000	NPOC:11.20mg/L	Completed	3/10/2010 3:20:56 PM	19
21	680-55403-a-3		1.000	NPOC:0.3900mg/L	Completed	3/10/2010 3:37:18 PM	20
22	680-55403-a-4		1.000	NPOC:0.3095mg/L	Completed	3/10/2010 3:51:41 PM	21
23	680-55403-a-5		1.000	NPOC:0.1734mg/L	Completed	3/10/2010 4:11:26 PM	22
24	680-55458-a-1		1.000	NPOC:1.785mg/L	Completed	3/10/2010 4:25:50 PM	23
25	CCV	TOCCALSTD6-22	1.000	NPOC:196.8mg/L	Completed	3/10/2010 4:42:18 PM	24
26	CCB		1.000	!!Failed!! NPOC:-0.07905mg/L	Completed	3/10/2010 4:56:41 PM	25
27	680-55458-a-2		1.000	NPOC:0.5879mg/L	Completed	3/10/2010 5:12:59 PM	26
28	680-55458-a-2 du		1.000	NPOC:0.5602mg/L	Completed	3/10/2010 5:20:43 PM	26
29	680-55459-c-1		1.000	NPOC:2.593mg/L	Completed	3/10/2010 5:34:40 PM	27
30	680-55459-c-2		1.000	NPOC:0.8182mg/L	Completed	3/10/2010 5:48:58 PM	28
31	MB DIS		1.000	!!Failed!! NPOC:-0.1522mg/L	Completed	3/10/2010 6:09:07 PM	29
32	LCS	TV=20PPM	1.000	NPOC:19.05mg/L	Completed	3/10/2010 6:27:32 PM	4
33	680-55111-b-2		1.000	NPOC:5.683mg/L	Completed	3/10/2010 6:43:34 PM	30
34	680-55111-b-4		1.000	NPOC:3.427mg/L	Completed	3/10/2010 6:58:01 PM	31
35	680-55111-b-6		1.000	NPOC:3.887mg/L	Completed	3/10/2010 7:14:25 PM	32
36	680-55111-b-8		1.000	NPOC:5.886mg/L	Completed	3/10/2010 7:28:47 PM	33
37	CCV	TOCCALSTD4-21	1.000	NPOC:50.55mg/L	Completed	3/10/2010 7:45:14 PM	13
38	CCB		1.000	!!Failed!! NPOC:-0.05616mg/L	Completed	3/10/2010 7:59:36 PM	14
39	680-55143-a-2		1.000	NPOC:8.267mg/L	Completed	3/10/2010 8:14:09 PM	34
40	680-55143-a-4		1.000	NPOC:10.55mg/L	Completed	3/10/2010 8:30:34 PM	35
41	680-55143-a-6		1.000	NPOC:11.97mg/L	Completed	3/10/2010 8:44:56 PM	36
42	680-55185-b-2		1.000	NPOC:9.674mg/L	Completed	3/10/2010 8:59:18 PM	37
43	680-55532-b-1		1.000	NPOC:1.578mg/L	Completed	3/10/2010 9:15:44 PM	38
44	680-55532-b-1 du		1.000	NPOC:1.564mg/L	Completed	3/10/2010 9:26:32 PM	38
45	680-55532-b-2		1.000	NPOC:1.168mg/L	Completed	3/10/2010 9:40:53 PM	39
46	680-55549-b-1		1.000	NPOC:2.597mg/L	Completed	3/10/2010 9:55:14 PM	40
47	680-55549-b-2		1.000	NPOC:1.437mg/L	Completed	3/10/2010 10:09:35 PM	41
48	680-55654-a-1		1.000	NPOC:3.990mg/L	Completed	3/10/2010 10:26:02 PM	42
49	CCV	TOCCALSTD6-22	1.000	NPOC:198.2mg/L	Completed	3/10/2010 10:42:31 PM	24
50	CCB		1.000	NPOC:0.00861mg/L	Completed	3/10/2010 10:56:50 PM	25
51	680-55654-a-2		1.000	NPOC:3.304mg/L	Completed	3/10/2010 11:11:24 PM	43
52	680-55654-a-2 ms		1.000	NPOC:23.59mg/L	Completed	3/10/2010 11:27:49 PM	44
53	680-55654-a-2 msd		1.000	NPOC:23.97mg/L	Completed	3/10/2010 11:40:40 PM	44
54	CCV	TOCCALSTD6-22	1.000	NPOC:196.2mg/L	Completed	3/10/2010 11:57:07 PM	24
55	CCB		1.000	!!Failed!! NPOC:-0.02035mg/L	Completed	3/11/2010 12:13:30 AM	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

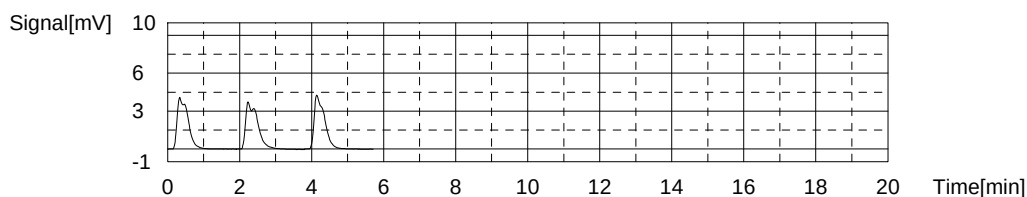
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.810mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.325	4.770mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:08:09 AM
2	8.467	4.858mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:10:12 AM
3	8.375	4.801mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:12:15 AM

Mean Area 8.389
Mean Conc. 4.810mg/L



Sample

Sample Name: CCB
Sample ID: TOC415.1A.met
Origin: TOC415.1A.met
Status Completed
Chk. Result

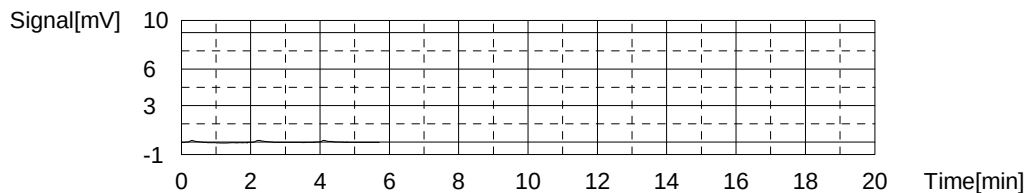
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2623mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2027	-0.2701mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:22:29 AM
2	0.2523	-0.2393mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:24:32 AM
3	0.1906	-0.2776mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:26:36 AM

Mean Area 0.2152
Mean Conc. -0.2623mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

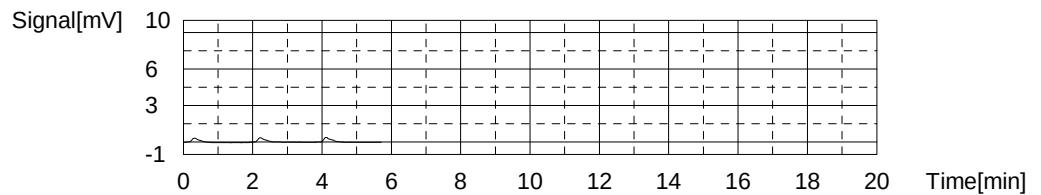
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.07061mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4853	-0.09471mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:36:50 AM
2	0.5119	-0.07821mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:38:53 AM
3	0.5752	-0.03892mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:40:56 AM

Mean Area 0.5241
Mean Conc. -0.07061mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status: Completed
Chk. Result

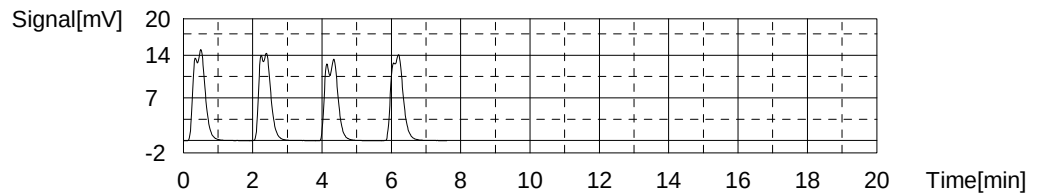
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.33	20.91mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 10:51:11 AM
2	33.12	19.39mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 10:53:14 AM
3	33.13	19.40mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 10:55:17 AM
4	33.29	19.49mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 10:57:21 AM

Mean Area 33.18
Mean Conc. 19.43mg/L



Sample

Sample Name: 680-55684-a-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

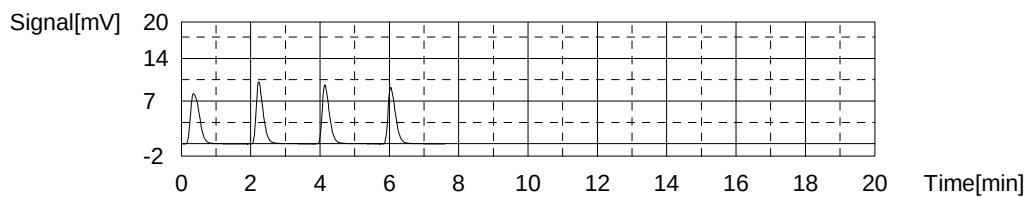
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.257mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.58	8.652mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 11:10:23 AM
2	14.20	8.416mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:12:27 AM
3	13.87	8.211mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:14:30 AM
4	13.76	8.143mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:16:33 AM

Mean Area 13.94
Mean Conc. 8.257mg/L



Sample

Sample Name: 680-55684-3
Sample ID: TC
Origin: TC415.1.met
Status: Completed
Chk. Result

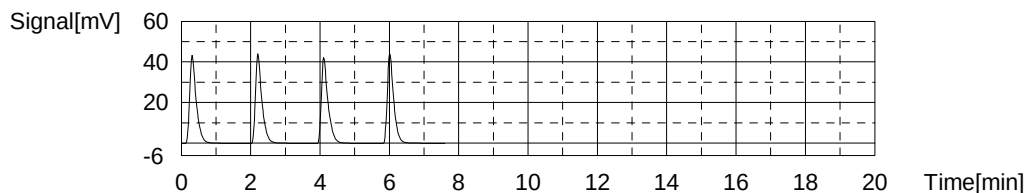
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:32.69mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.06	34.39mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 11:22:24 AM
2	56.33	32.97mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:24:27 AM
3	55.75	32.63mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:26:30 AM
4	55.44	32.45mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:28:33 AM

Mean Area 55.84
Mean Conc. 32.69mg/L



Sample

Sample Name: 680-55111-h-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

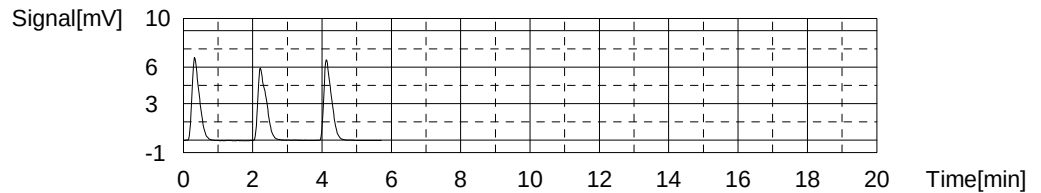
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.00	5.810mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:38:45 AM
2	9.909	5.753mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:40:48 AM
3	9.976	5.795mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:42:52 AM

Mean Area 9.962
Mean Conc. 5.786mg/L



Sample

Sample Name: 680-55111-h-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

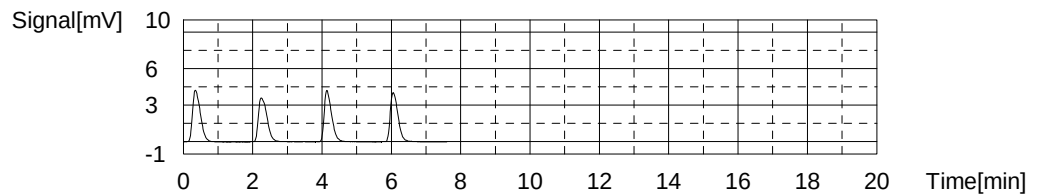
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.424mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.585	3.691mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 11:53:07 AM
2	6.164	3.429mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:55:10 AM
3	6.156	3.424mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:57:13 AM
4	6.145	3.417mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:59:16 AM

Mean Area 6.155
Mean Conc. 3.424mg/L



Sample

Sample Name: 680-55111-h-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

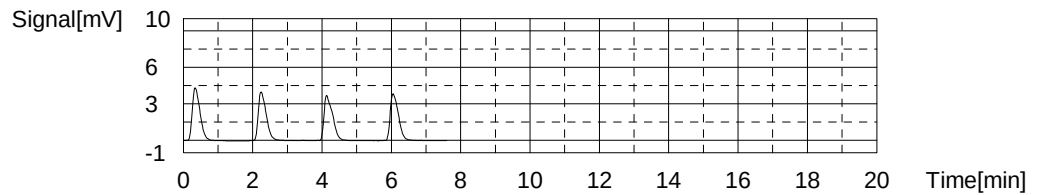
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.467mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.611	3.707mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 12:09:59 PM
2	6.315	3.523mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:12:02 PM
3	6.127	3.406mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:14:06 PM
4	6.234	3.473mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:16:09 PM

Mean Area 6.225
Mean Conc. 3.467mg/L



Sample

Sample Name: 680-55111-h-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

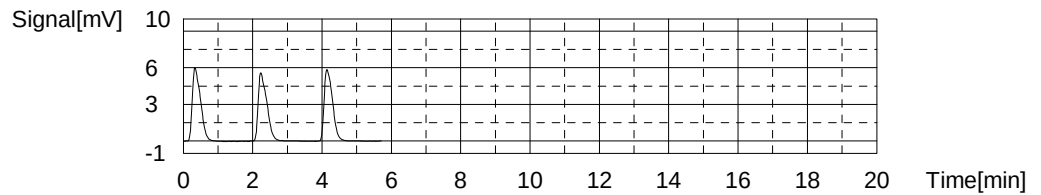
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.638mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.852	5.718mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:26:23 PM
2	9.561	5.537mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:28:26 PM
3	9.755	5.658mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:30:29 PM

Mean Area 9.723
Mean Conc. 5.638mg/L



Sample

Sample Name: 680-55143-h-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

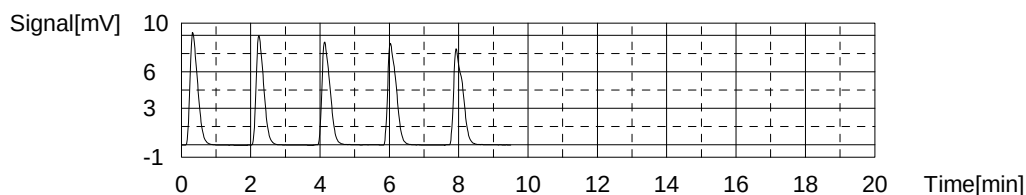
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.350mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.14	8.379mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:42:53 PM
2	13.61	8.050mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 12:44:56 PM
3	13.54	8.007mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 12:46:59 PM
4	14.06	8.329mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:49:03 PM
5	14.08	8.342mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 12:51:06 PM

Mean Area 14.09
Mean Conc. 8.350mg/L



Sample

Sample Name: 680-55143-h-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

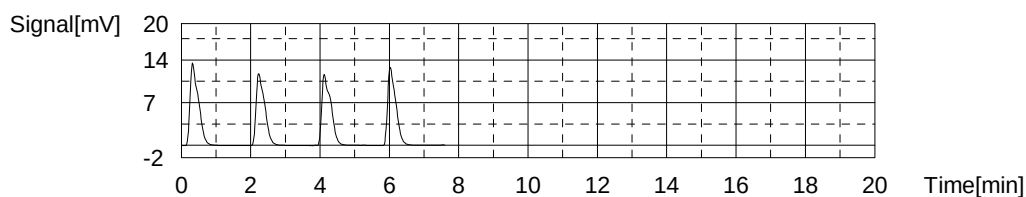
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.07mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	22.45	13.54mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 1:01:14 PM
2	20.25	11.86mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 1:03:17 PM
3	20.83	12.20mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 1:05:20 PM
4	20.72	12.14mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 1:07:23 PM

Mean Area 20.60
Mean Conc. 12.07mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-21
Origin: TOC415.1A.met
Status: Completed
Chk. Result

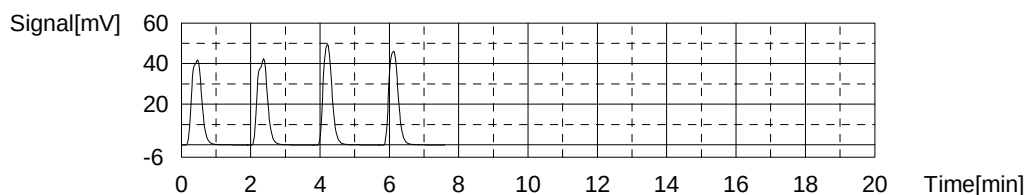
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.01	51.74mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 1:17:36 PM
2	85.40	49.98mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 1:19:39 PM
3	86.73	50.76mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 1:21:43 PM
4	85.49	50.03mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 1:23:46 PM

Mean Area 85.87
Mean Conc. 50.26mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

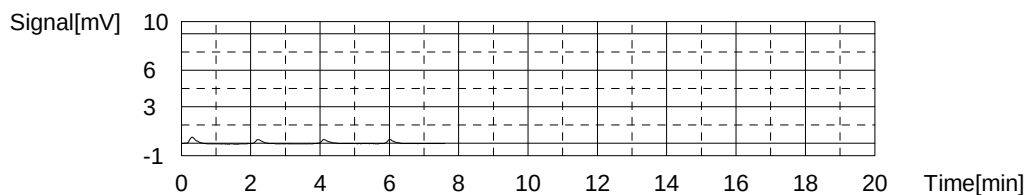
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1326mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6624	0.01519mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 1:34:00 PM
2	0.4196	-0.1355mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 1:36:03 PM
3	0.4281	-0.1302mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 1:38:06 PM
4	0.4250	-0.1321mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 1:40:09 PM

Mean Area 0.4242
Mean Conc. -0.1326mg/L



Sample

Sample Name: 680-55143-h-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

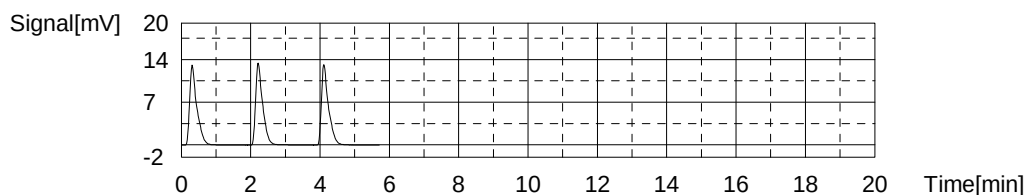
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.18mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.66	11.18mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 1:50:24 PM
2	18.77	11.25mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 1:52:28 PM
3	18.52	11.10mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 1:54:31 PM

Mean Area 18.65
Mean Conc. 11.18mg/L



Sample

Sample Name: 680-55185-h-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

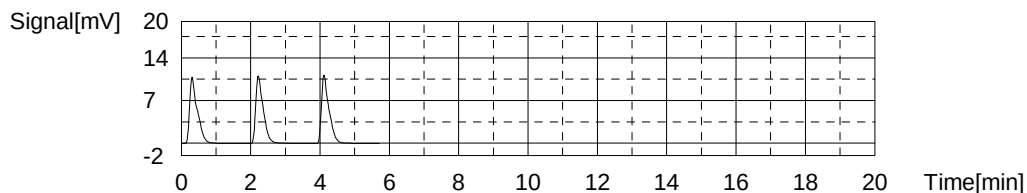
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.903mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.50	9.843mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 2:09:23 PM
2	16.54	9.868mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 2:11:27 PM
3	16.75	9.999mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 2:13:30 PM

Mean Area 16.60
Mean Conc. 9.903mg/L



Sample

Sample Name: 680-55518-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

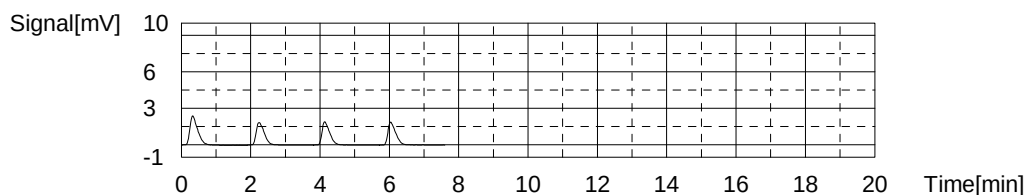
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.408mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.673	1.883mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 2:23:46 PM
2	2.953	1.437mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 2:25:49 PM
3	2.886	1.395mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 2:27:52 PM
4	2.881	1.392mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 2:29:55 PM

Mean Area 2.907
Mean Conc. 1.408mg/L



Sample

Sample Name: 680-55518-b-1 ms
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

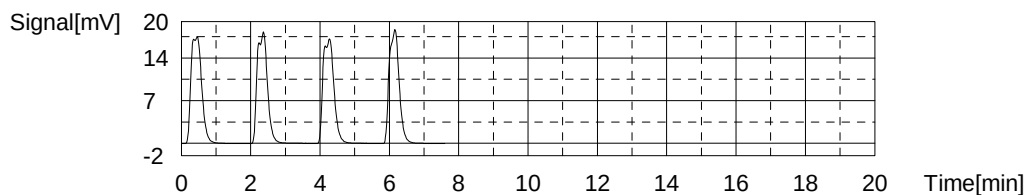
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.75mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.46	22.85mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 2:40:08 PM
2	37.28	21.83mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 2:42:11 PM
3	37.06	21.70mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 2:44:14 PM
4	37.12	21.73mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 2:46:17 PM

Mean Area 37.15
Mean Conc. 21.75mg/L



Sample

Sample Name: 680-55518-b-1 msd
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

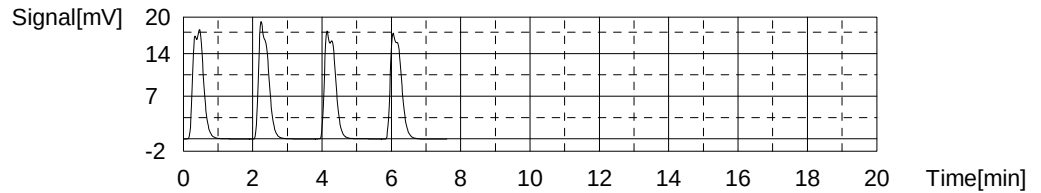
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.85mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.44	22.84mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 2:53:12 PM
2	37.31	21.84mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 2:56:07 PM
3	37.50	21.96mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 2:59:02 PM
4	37.15	21.75mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 3:01:32 PM

Mean Area 37.32
Mean Conc. 21.85mg/L



Sample

Sample Name: 680-55379-h-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

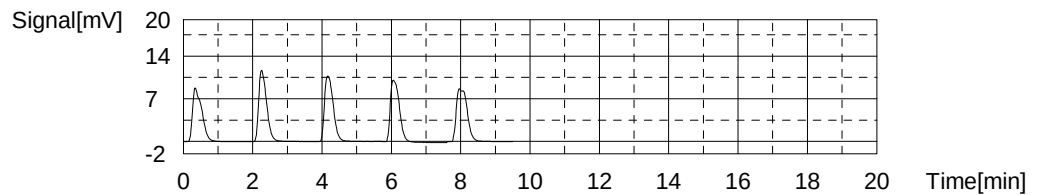
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.20mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.17	9.639mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 3:12:36 PM
2	18.52	11.10mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:14:42 PM
3	18.73	11.23mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:16:47 PM
4	17.99	10.77mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 3:18:51 PM
5	18.82	11.28mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:20:56 PM

Mean Area 18.69
Mean Conc. 11.20mg/L



Sample

Sample Name: 680-55403-a-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

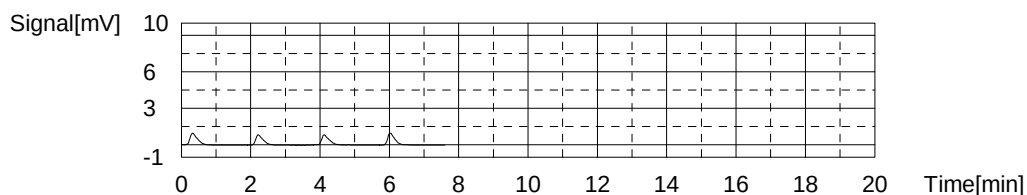
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3900mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.395	0.4698mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 3:31:07 PM
2	1.226	0.3649mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:33:11 PM
3	1.208	0.3538mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:35:15 PM
4	1.365	0.4512mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:37:18 PM

Mean Area 1.266
Mean Conc. 0.3900mg/L



Sample

Sample Name: 680-55403-a-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

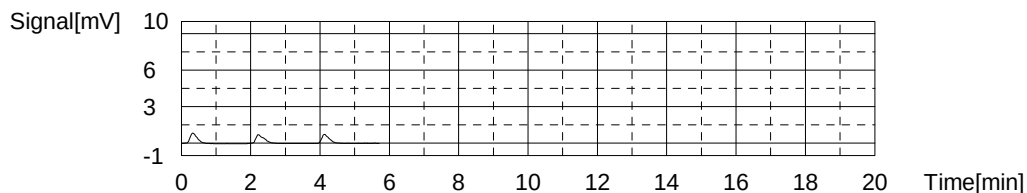
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3095mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.193	0.3445mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:47:33 PM
2	1.152	0.3190mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:49:37 PM
3	1.065	0.2650mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 3:51:41 PM

Mean Area 1.137
Mean Conc. 0.3095mg/L



Sample

Sample Name: 680-55403-a-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

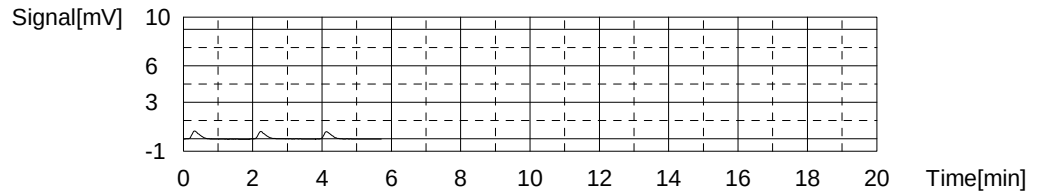
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1734mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9736	0.2083mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:07:18 PM
2	0.9009	0.1632mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:09:22 PM
3	0.8777	0.1488mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:11:26 PM

Mean Area 0.9174
Mean Conc. 0.1734mg/L



Sample

Sample Name: 680-55458-a-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

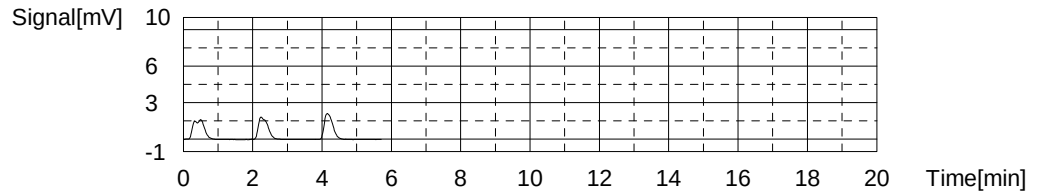
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.785mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.564	1.816mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:21:42 PM
2	3.401	1.715mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:23:46 PM
3	3.580	1.826mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:25:50 PM

Mean Area 3.515
Mean Conc. 1.785mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status: Completed
Chk. Result

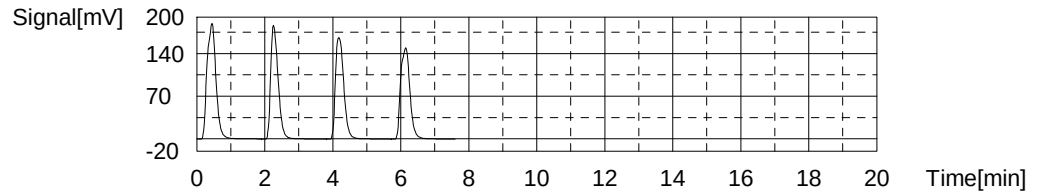
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:196.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	343.9	213.0mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 4:36:07 PM
2	281.6	196.9mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 4:38:11 PM
3	281.2	196.6mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 4:40:14 PM
4	281.5	196.8mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 4:42:18 PM

Mean Area 281.4
Mean Conc. 196.8mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

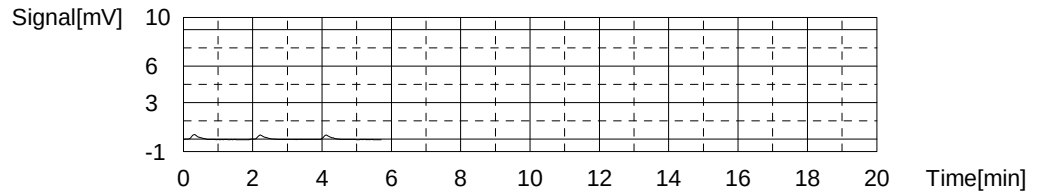
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.07905mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5361	-0.06319mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:52:34 PM
2	0.4917	-0.09074mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:54:38 PM
3	0.5038	-0.08323mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 4:56:41 PM

Mean Area 0.5105
Mean Conc. -0.07905mg/L



Sample

Sample Name: 680-55458-a-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

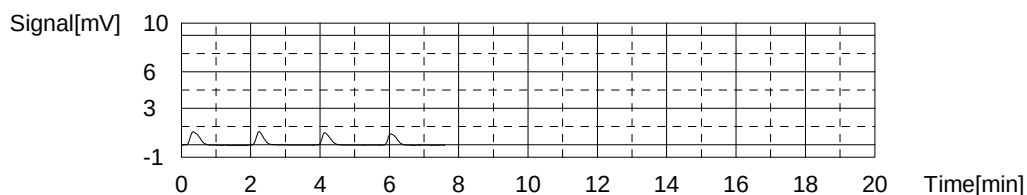
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5879mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.943	0.8099mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 5:07:00 PM
2	1.607	0.6014mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:09:03 PM
3	1.573	0.5803mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:11:07 PM
4	1.576	0.5821mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:12:59 PM

Mean Area 1.585
Mean Conc. 0.5879mg/L



Sample

Sample Name: 680-55458-a-2 du
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

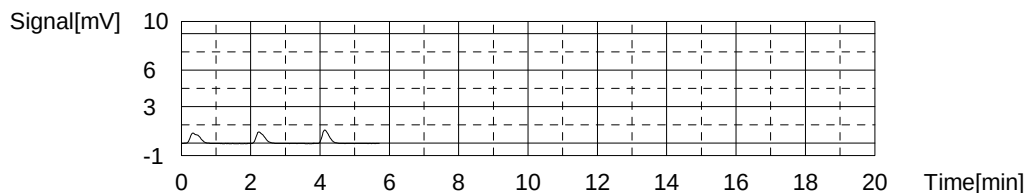
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5602mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.547	0.5641mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:17:10 PM
2	1.532	0.5548mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:18:53 PM
3	1.543	0.5617mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:20:43 PM

Mean Area 1.541
Mean Conc. 0.5602mg/L



Sample

Sample Name: 680-55459-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

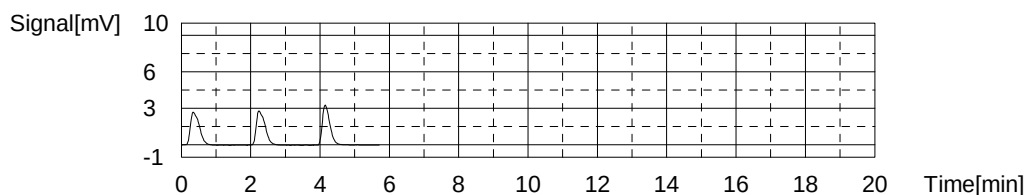
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.593mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.765	2.561mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:30:36 PM
2	4.889	2.638mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:32:38 PM
3	4.793	2.578mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:34:40 PM

Mean Area 4.816
Mean Conc. 2.593mg/L



Sample

Sample Name: 680-55459-c-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

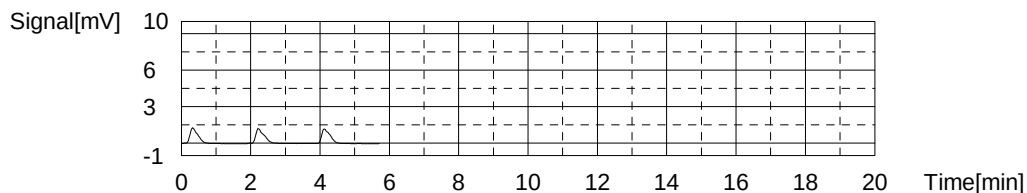
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8182mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.966	0.8242mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:44:52 PM
2	1.967	0.8248mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:46:55 PM
3	1.936	0.8055mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 5:48:58 PM

Mean Area 1.956
Mean Conc. 0.8182mg/L



Sample

Sample Name: MB DIS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

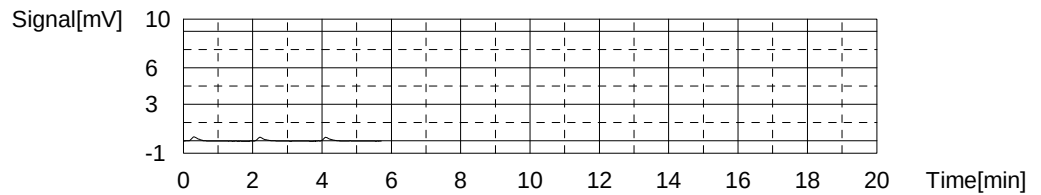
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!!Failed!! NPOC:-0.1522mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4225	-0.1337mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:05:00 PM
2	0.3497	-0.1789mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:07:04 PM
3	0.4059	-0.1440mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:09:07 PM

Mean Area 0.3927
Mean Conc. -0.1522mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status: Completed
Chk. Result

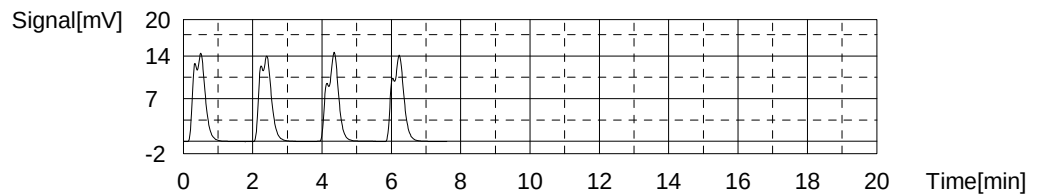
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.14	20.17mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 6:19:22 PM
2	32.71	19.15mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 6:21:35 PM
3	32.58	19.08mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 6:24:34 PM
4	32.32	18.92mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 6:27:32 PM

Mean Area 32.54
Mean Conc. 19.05mg/L



Sample

Sample Name: 680-55111-b-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

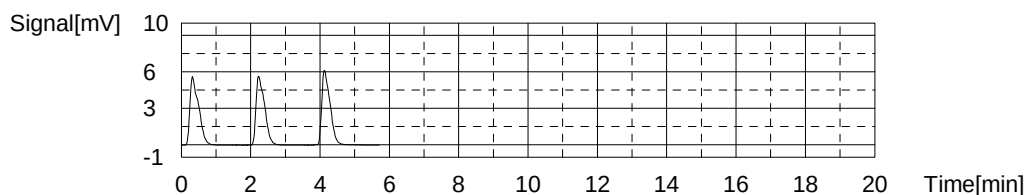
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.683mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.720	5.636mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:39:21 PM
2	9.665	5.602mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:41:27 PM
3	10.00	5.810mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:43:34 PM

Mean Area 9.795
Mean Conc. 5.683mg/L



Sample

Sample Name: 680-55111-b-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

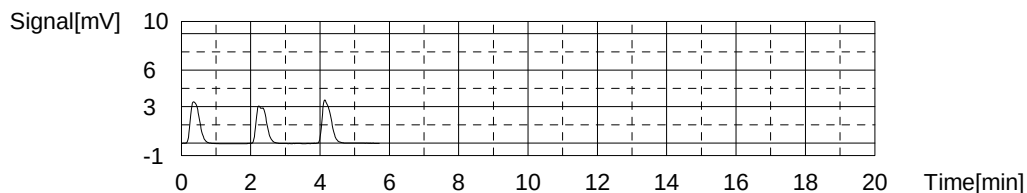
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.427mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.112	3.397mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:53:54 PM
2	6.195	3.449mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:55:58 PM
3	6.172	3.434mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 6:58:01 PM

Mean Area 6.160
Mean Conc. 3.427mg/L



Sample

Sample Name: 680-55111-b-6
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

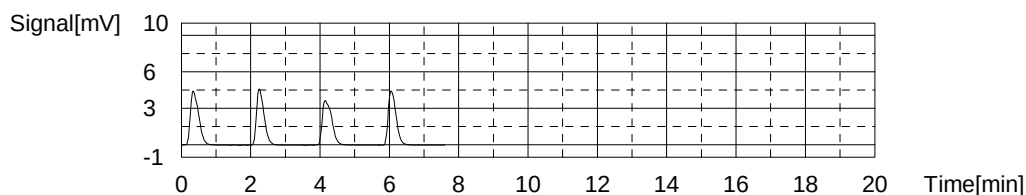
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.887mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.285	4.125mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 7:08:15 PM
2	6.921	3.899mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:10:19 PM
3	6.867	3.866mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:12:22 PM
4	6.915	3.895mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:14:25 PM

Mean Area 6.901
Mean Conc. 3.887mg/L



Sample

Sample Name: 680-55111-b-8
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

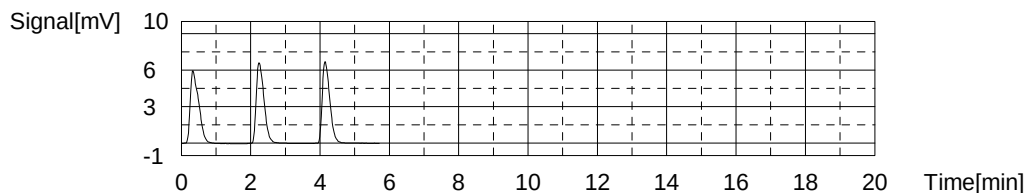
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.886mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.01	5.816mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:24:40 PM
2	10.27	5.977mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:26:43 PM
3	10.09	5.866mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:28:47 PM

Mean Area 10.12
Mean Conc. 5.886mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-21
Origin: TOC415.1A.met
Status: Completed
Chk. Result

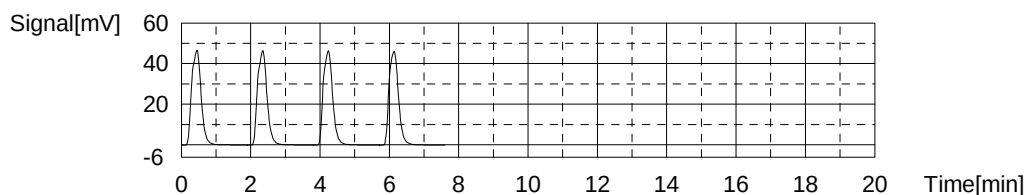
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.73	54.05mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 7:39:05 PM
2	87.35	51.12mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 7:41:08 PM
3	85.76	50.19mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 7:43:11 PM
4	86.02	50.34mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 7:45:14 PM

Mean Area 86.38
Mean Conc. 50.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

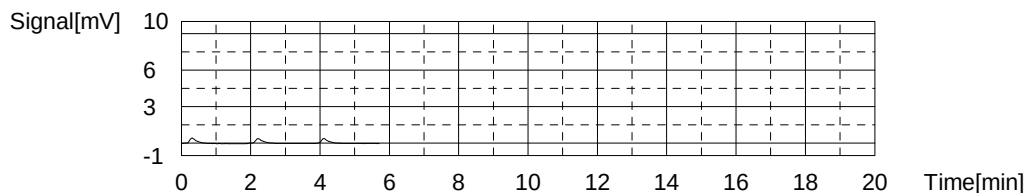
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.05616mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5948	-0.02676mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:55:29 PM
2	0.5321	-0.06567mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:57:32 PM
3	0.5154	-0.07603mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 7:59:36 PM

Mean Area 0.5474
Mean Conc. -0.05616mg/L



Sample

Sample Name: 680-55143-a-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

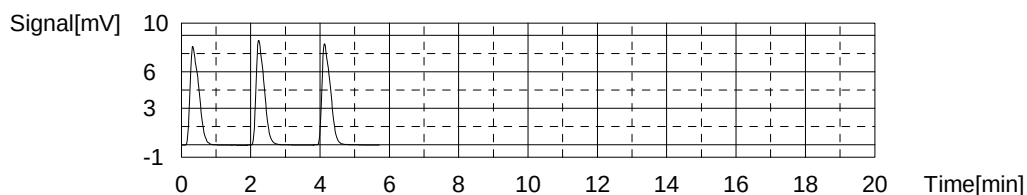
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.267mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.02	8.304mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:10:02 PM
2	13.96	8.267mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:12:05 PM
3	13.90	8.230mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:14:09 PM

Mean Area 13.96
Mean Conc. 8.267mg/L



Sample

Sample Name: 680-55143-a-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

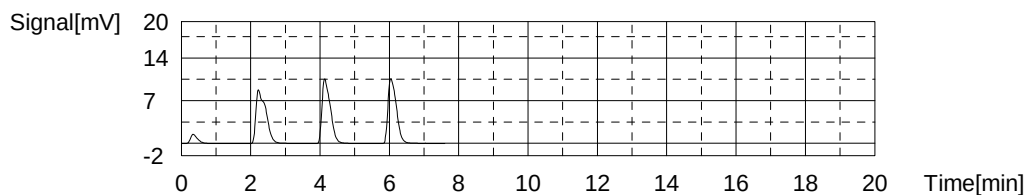
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.110	0.9135mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 8:24:24 PM
2	17.46	10.44mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:26:27 PM
3	17.63	10.54mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:28:30 PM
4	17.83	10.67mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:30:34 PM

Mean Area 17.64
Mean Conc. 10.55mg/L



Sample

Sample Name: 680-55143-a-6
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

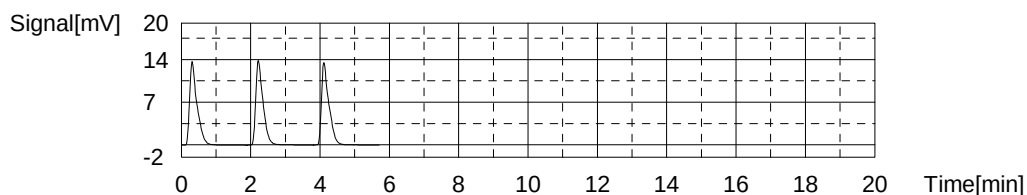
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.09	12.07mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:40:49 PM
2	19.97	12.00mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:42:52 PM
3	19.74	11.85mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:44:56 PM

Mean Area 19.93
Mean Conc. 11.97mg/L



Sample

Sample Name: 680-55185-b-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

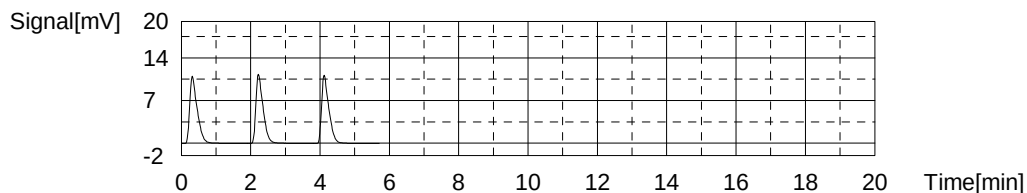
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.674mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.35	9.750mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:55:11 PM
2	16.22	9.670mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:57:15 PM
3	16.11	9.601mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 8:59:18 PM

Mean Area 16.23
Mean Conc. 9.674mg/L



Sample

Sample Name: 680-55532-b-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

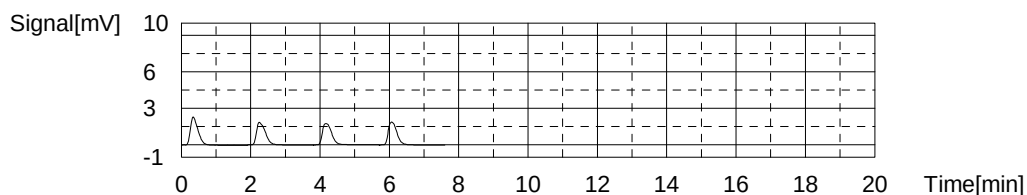
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.578mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.392	1.709mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 9:09:34 PM
2	3.218	1.601mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:11:37 PM
3	3.195	1.587mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:13:41 PM
4	3.127	1.545mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:15:44 PM

Mean Area 3.180
Mean Conc. 1.578mg/L



Sample

Sample Name: 680-55532-b-1 du
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

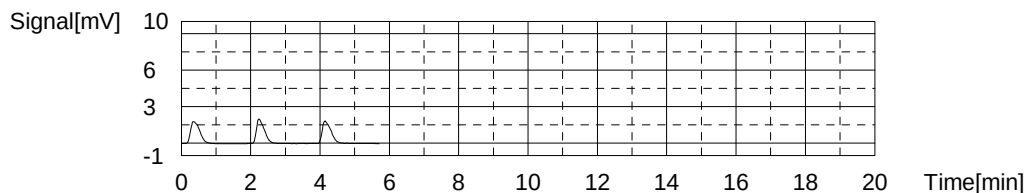
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.564mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.266	1.631mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:22:25 PM
2	3.100	1.528mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:24:28 PM
3	3.110	1.534mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:26:32 PM

Mean Area 3.159
Mean Conc. 1.564mg/L



Sample

Sample Name: 680-55532-b-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

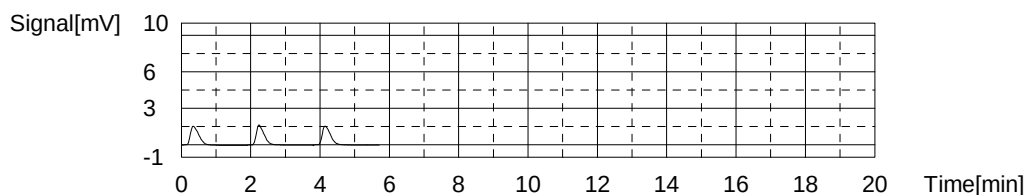
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.168mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.567	1.197mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:36:46 PM
2	2.509	1.161mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:38:50 PM
3	2.485	1.146mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:40:53 PM

Mean Area 2.520
Mean Conc. 1.168mg/L



Sample

Sample Name: 680-55549-b-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

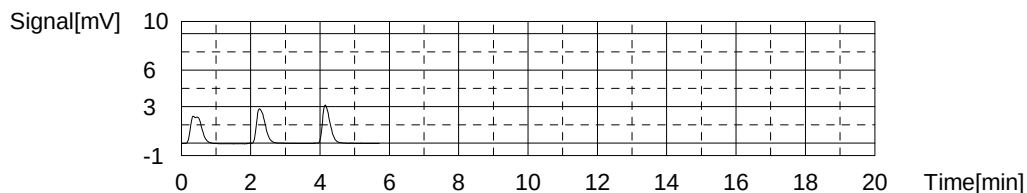
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.597mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.902	2.646mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:51:08 PM
2	4.837	2.606mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:53:11 PM
3	4.731	2.540mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 9:55:14 PM

Mean Area 4.823
Mean Conc. 2.597mg/L



Sample

Sample Name: 680-55549-b-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

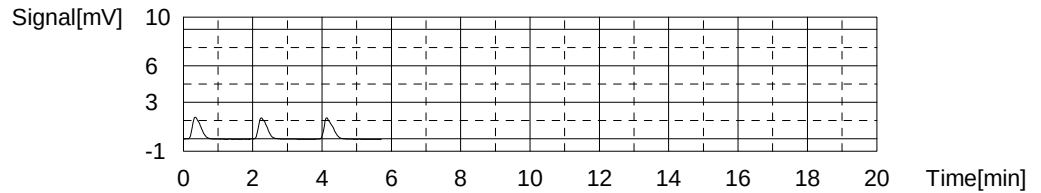
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.437mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.971	1.448mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:05:29 PM
2	2.908	1.409mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:07:32 PM
3	2.984	1.456mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:09:35 PM

Mean Area 2.954
Mean Conc. 1.437mg/L



Sample

Sample Name: 680-55654-a-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

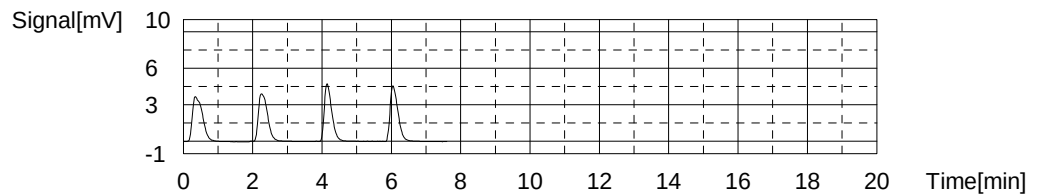
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.990mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.361	4.172mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/10/2010 10:19:52 PM
2	7.092	4.005mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:21:55 PM
3	7.002	3.949mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:23:58 PM
4	7.109	4.016mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:26:02 PM

Mean Area 7.068
Mean Conc. 3.990mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status: Completed
Chk. Result

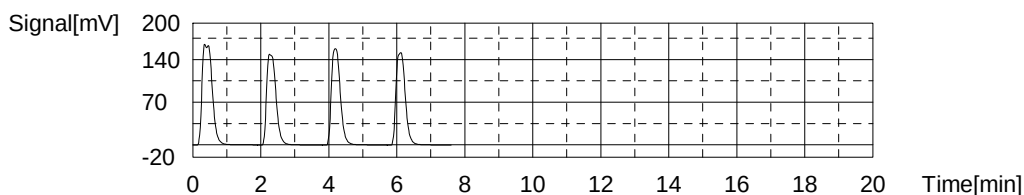
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:198.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	341.0	211.2mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 10:36:21 PM
2	281.1	196.6mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 10:38:24 PM
3	285.3	199.5mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 10:40:28 PM
4	284.2	198.7mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 10:42:31 PM

Mean Area 283.5
Mean Conc. 198.2mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

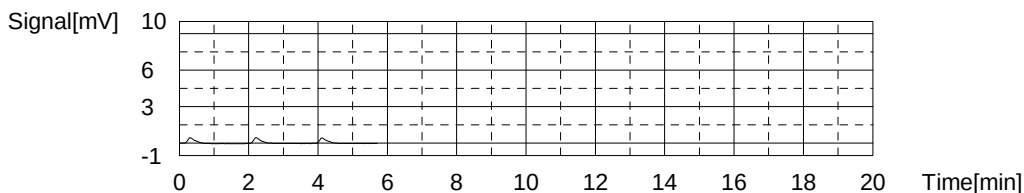
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00861mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6538	0.00985mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:52:44 PM
2	0.6693	0.01947mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:54:47 PM
3	0.6323	-0.00349mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 10:56:50 PM

Mean Area 0.6518
Mean Conc. 0.00861mg/L



Sample

Sample Name: 680-55654-a-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

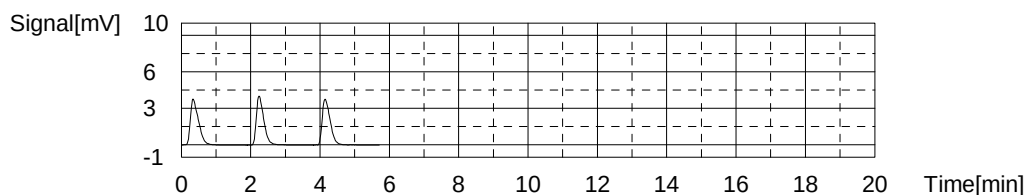
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.304mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.015	3.337mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:07:17 PM
2	5.941	3.291mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:09:21 PM
3	5.931	3.285mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/10/2010 11:11:24 PM

Mean Area 5.962
Mean Conc. 3.304mg/L



Sample

Sample Name: 680-55654-a-2 ms
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

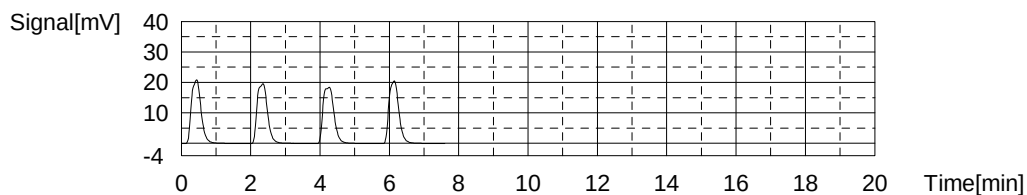
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.59mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.11	24.49mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 11:21:39 PM
2	40.39	23.65mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:23:42 PM
3	40.19	23.53mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:25:46 PM
4	40.30	23.59mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:27:49 PM

Mean Area 40.29
Mean Conc. 23.59mg/L



Sample

Sample Name: 680-55654-a-2 msd
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

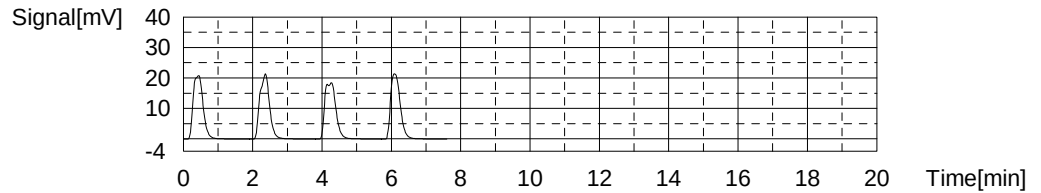
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.27	25.21mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 11:34:31 PM
2	41.33	24.20mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:36:34 PM
3	40.67	23.81mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:38:37 PM
4	40.82	23.90mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/10/2010 11:40:40 PM

Mean Area 40.94
Mean Conc. 23.97mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status: Completed
Chk. Result

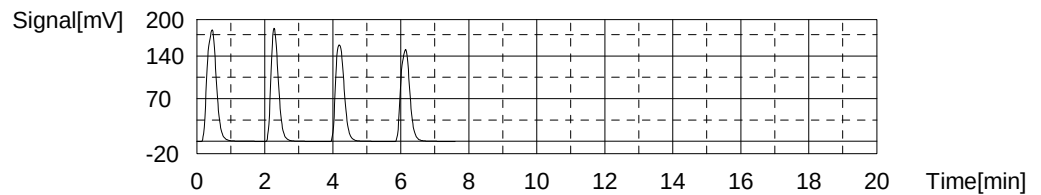
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:196.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	348.5	215.9mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/10/2010 11:50:58 PM
2	282.0	197.2mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 11:53:01 PM
3	280.5	196.2mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 11:55:04 PM
4	279.3	195.3mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/10/2010 11:57:07 PM

Mean Area 280.6
Mean Conc. 196.2mg/L



Sample

Sample Name: CCB
Sample ID: TOC415.1A.met
Origin: TOC415.1A.met
Status: Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.02035mg/L

1. Det

Anal.: NPOC

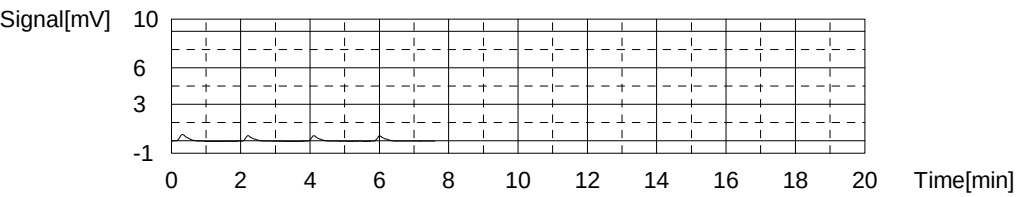
No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7939	0.09679mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/11/2010 12:07:21 AM
2	0.6200	-0.01112mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/11/2010 12:09:24 AM
3	0.5971	-0.02533mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/11/2010 12:11:27 AM
4	0.5983	-0.02459mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/11/2010 12:13:30 AM

Mean Area

0.6051

Mean Conc.

-0.02035mg/L



Data File: /chem/LC/LCGIC.i/1G030910A-NPW.b/0004.d
Report Date: 09-Mar-2010 14:47

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G030910A-NPW.b/0004.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 09-MAR-2010 08:56
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-1~1G030910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-Mar-2010 14:47 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 08:56 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
2.967	2.967	0.000	36015 0.20000	0.20

3 BROMIDE				CAS #: 24959-67-9
5.883	5.883	0.000	52665 1.00000	1.0

2 CHLORIDE				CAS #: 16887-00-6
3.875	3.875	0.000	150969 1.00000	1.0

4 SULFATE				CAS #: 14808-79-8
4.467	4.467	0.000	116764 1.00000	1.0

Data File: 0004.d

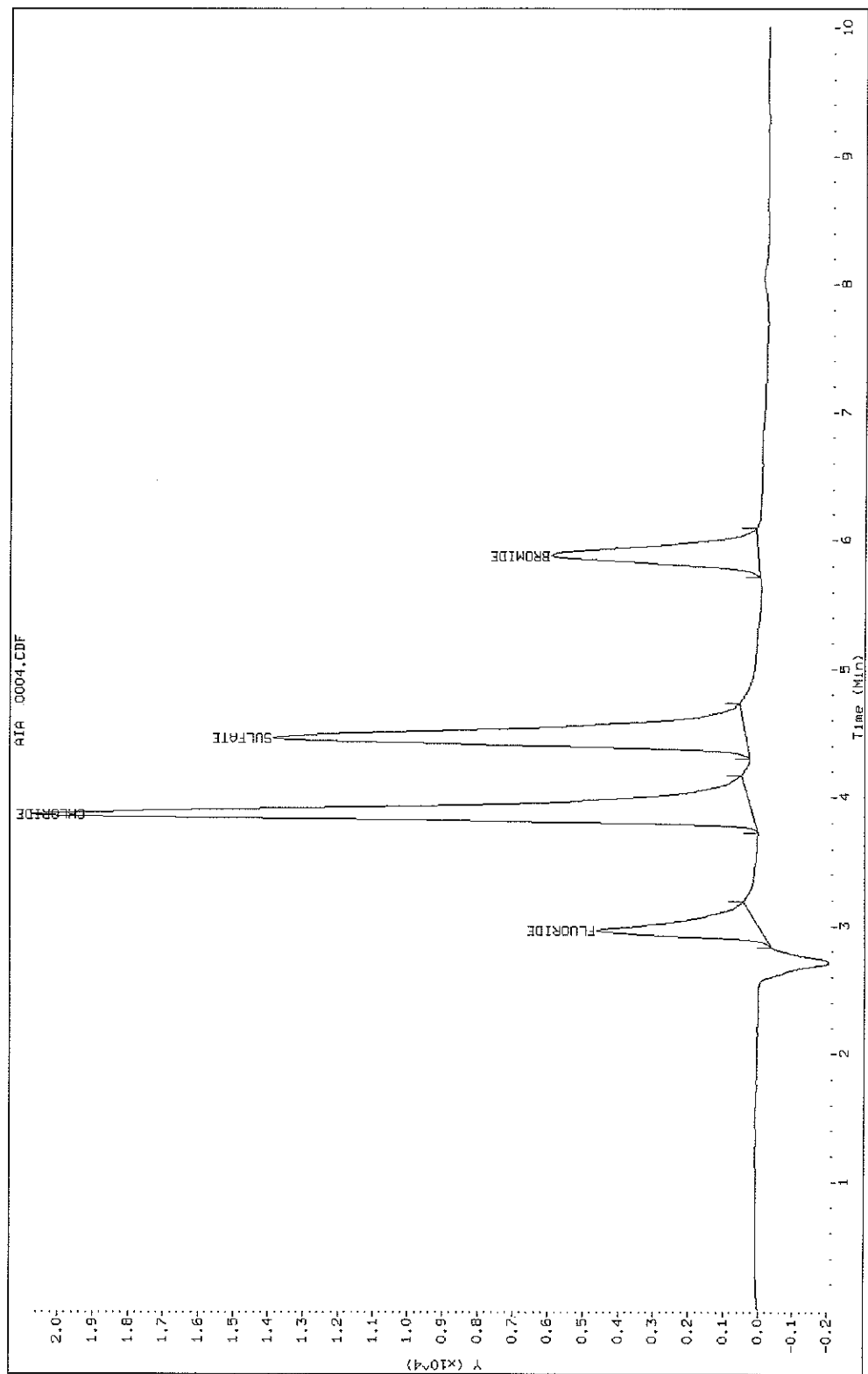
Date: 09-MAR-2010 08:56

Client ID: ANION-1

Sample Info: ANION-1~1G030910

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G030910A-NPW.b/0005.d
Report Date: 09-Mar-2010 14:47

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G030910A-NPW.b/0005.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 09-MAR-2010 09:08
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-2~1G030910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-Mar-2010 14:47 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:08 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		
2.967	2.967	0.000	74240	0.40000	0.40

3 BROMIDE			CAS #: 24959-67-9		
5.892	5.892	0.000	111281	2.00000	2.0

2 CHLORIDE			CAS #: 16887-00-6		
3.875	3.875	0.000	303206	2.00000	2.0

4 SULFATE			CAS #: 14808-79-8		
4.475	4.475	0.000	255936	2.00000	2.1

Data File: 0005.d

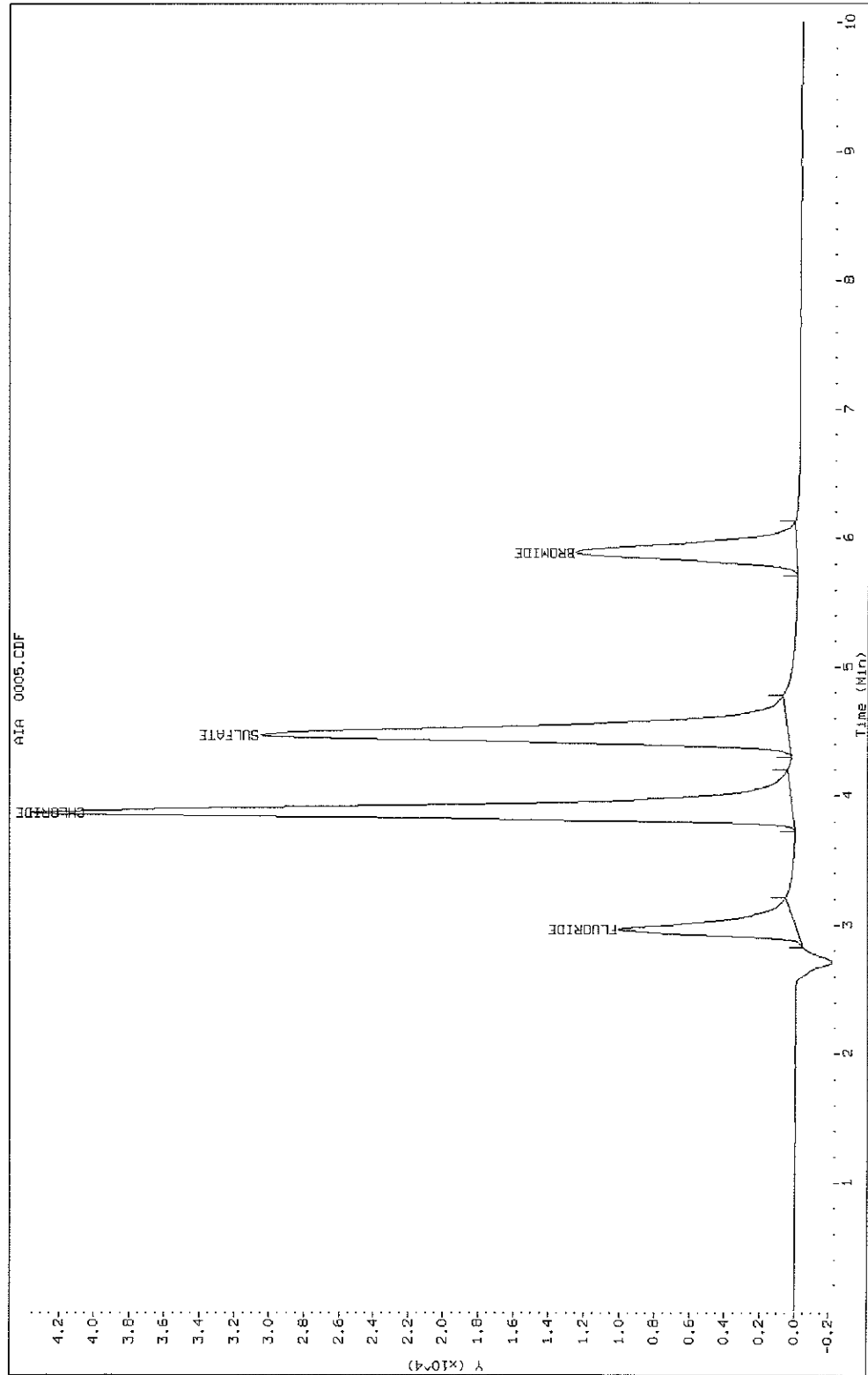
Date: 09-MAR-2010 09:08

Client ID: ANION-2

Sample Info: ANION-2~1G030910

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G030910A-NPW.b/0006.d
Report Date: 09-Mar-2010 14:47

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TESTAMERICA SAVANNAH

ANION 300.0/9056
Data file : /chem/LC/LCGIC.i/1G030910A-NPW.b/0006.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 09-MAR-2010 09:21
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-3~1G030910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-Mar-2010 14:47 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:21 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
2.967	2.967	0.000	187741	0.80000	0.84

3 BROMIDE					
					CAS #: 24959-67-9
5.892	5.892	0.000	271035	4.00000	4.0

2 CHLORIDE					
					CAS #: 16887-00-6
3.875	3.875	0.000	711860	4.00000	4.4

4 SULFATE					
					CAS #: 14808-79-8
4.475	4.475	0.000	533394	4.00000	4.2

Data File: 0006.d

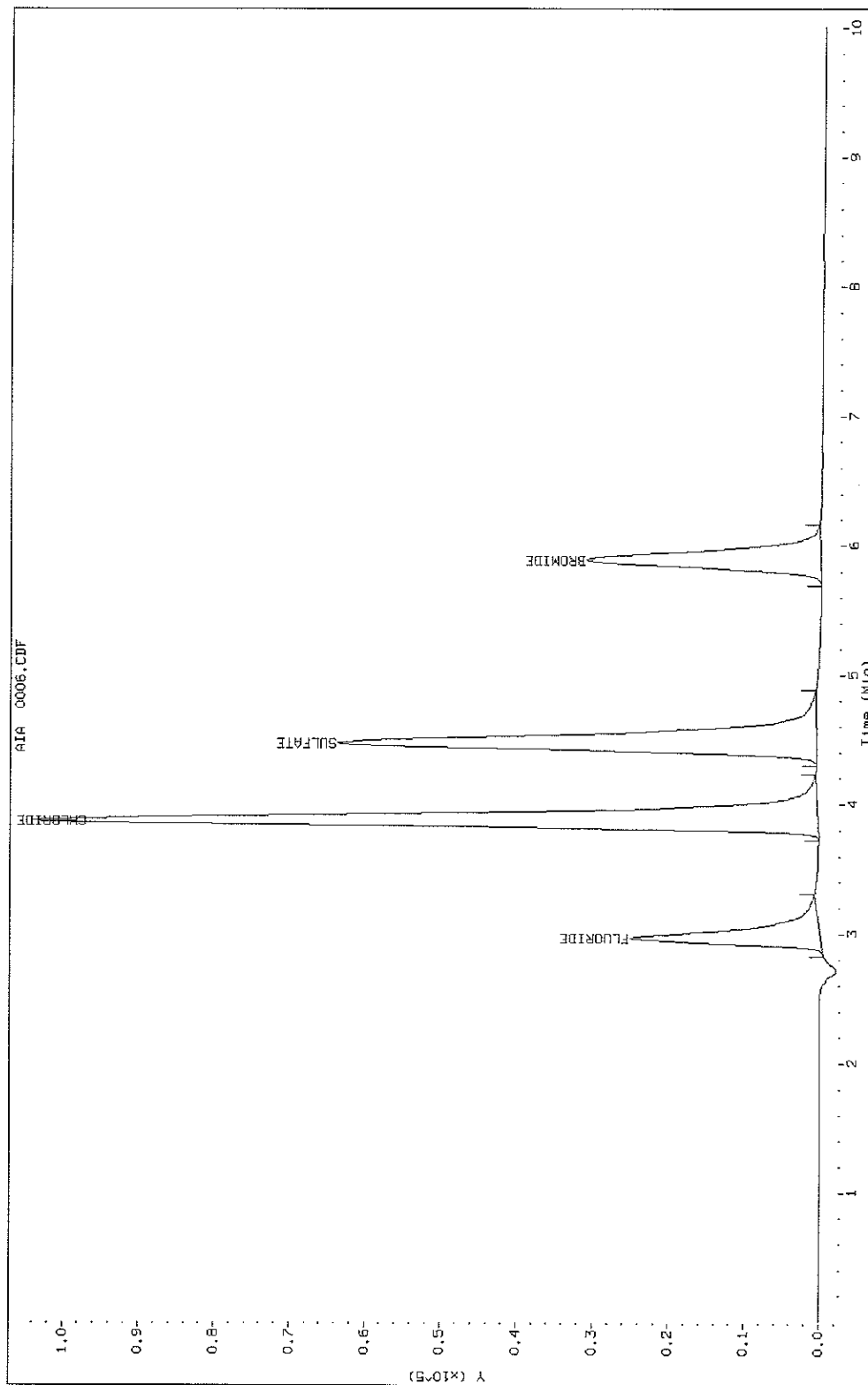
Date: 09-MAR-2010 09:21

Client ID: ANION-3

Sample Info: ANION-3~1G030910

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G030910A-NPW.b/0007.d
Report Date: 09-Mar-2010 14:47

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G030910A-NPW.b/0007.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 09-MAR-2010 09:33
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~1G030910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-Mar-2010 14:47 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:33 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
2.967	2.967	0.000	481465 2.00000	2.0

3 BROMIDE				CAS #: 24959-67-9
5.883	5.883	0.000	693782 10.0000	10

2 CHLORIDE				CAS #: 16887-00-6
3.875	3.875	0.000	1718882 10.0000	11

4 SULFATE				CAS #: 14808-79-8
4.475	4.475	0.000	1264727 10.0000	10

Data File: 0007.d

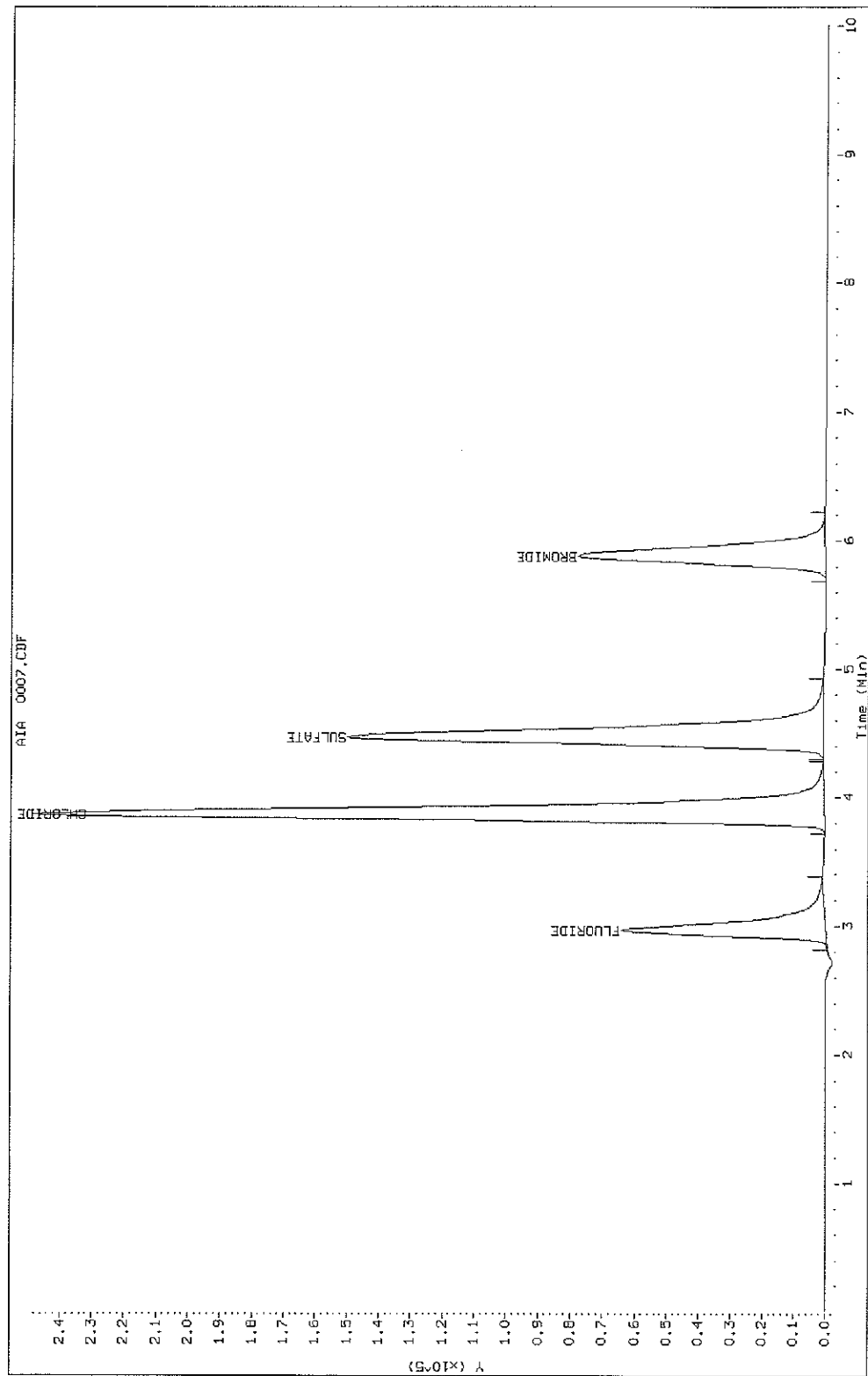
Date: 09-MAR-2010 09:33

Client ID: ANION-4

Sample Info: ANION-4~1G030910

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G030910A-NPW.b/0008.d
Report Date: 09-Mar-2010 14:47

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G030910A-NPW.b/0008.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 09-MAR-2010 09:45
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-5~1G030910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-Mar-2010 14:47 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:45 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

RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ng/L)	ON-COL (ng/L)
1 FLUORIDE				CAS #: 16984-48-8
2.967	2.967	0.000	1028801 4.00000	4.1
3 BROMIDE				CAS #: 24959-67-9
5.875	5.875	0.000	1468843 20.0000	20
2 CHLORIDE				CAS #: 16887-00-6
3.875	3.875	0.000	3493826 20.0000	21
4 SULFATE				CAS #: 14808-79-8
4.475	4.475	0.000	2585799 20.0000	20

Data File: 0008.d

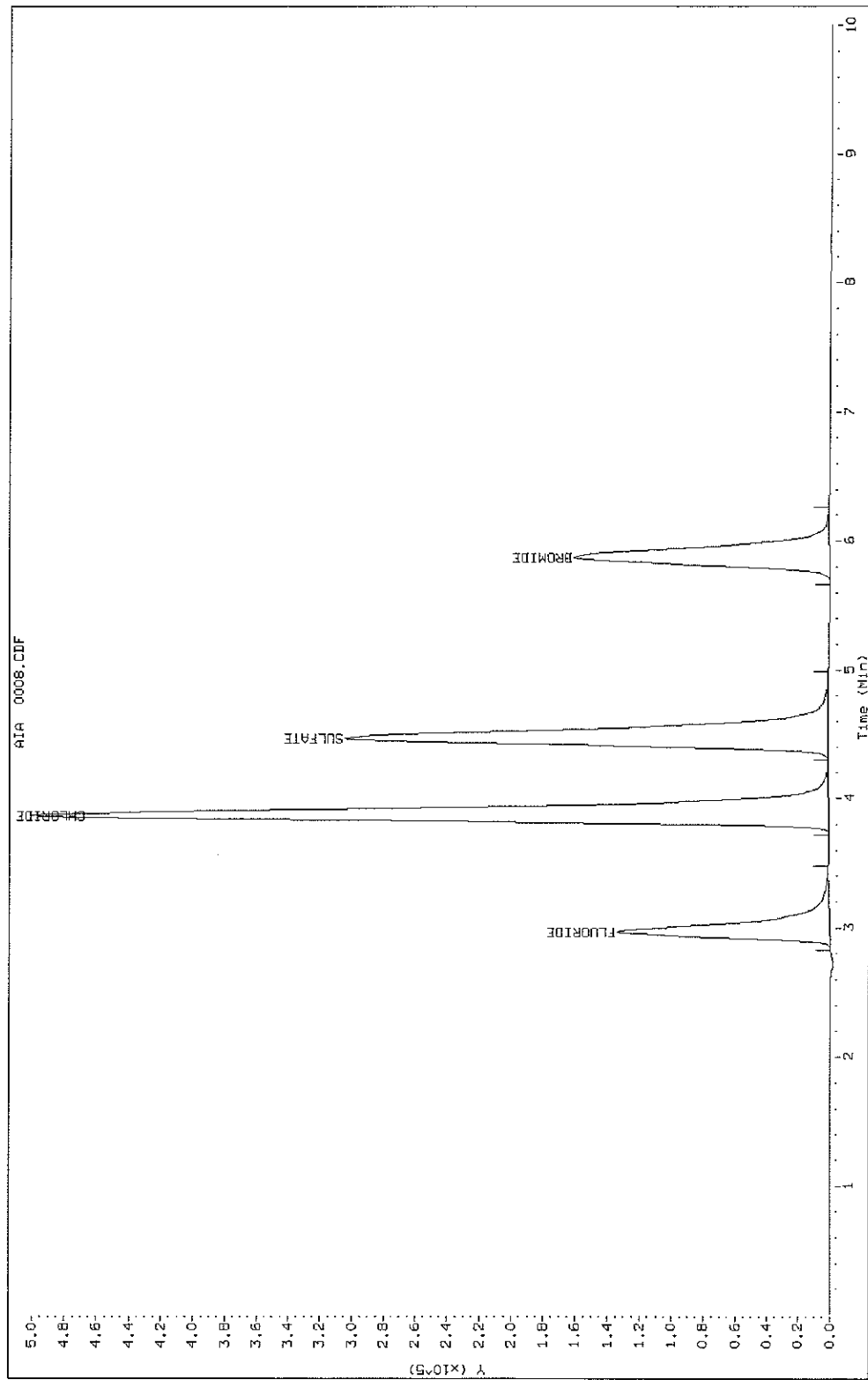
Date: 09-MAR-2010 09:45

Client ID: ANION-5

Sample Info: ANION-5~1G030910

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G030910A-NPW.b/0009.d
Report Date: 09-Mar-2010 14:47

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G030910A-NPW.b/0009.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 09-MAR-2010 09:58
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-6~1G030910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G030910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-Mar-2010 14:47 brazellc Quant Type: ESTD
Cal Date : 09-MAR-2010 09:58 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

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE					
			CAS #: 16984-48-8		
2.967	2.967	0.000	2668984 10.0000	10	(A)

3 BROMIDE					
			CAS #: 24959-67-9		
5.850	5.850	0.000	3894997 50.0000	50	

2 CHLORIDE					
			CAS #: 16887-00-6		
3.875	3.875	0.000	8963338 50.0000	53	(A)

4 SULFATE					
			CAS #: 14808-79-8		
4.458	4.458	0.000	6669775 50.0000	52	(A)

QC Flag Legend

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

Data File: 0009.d

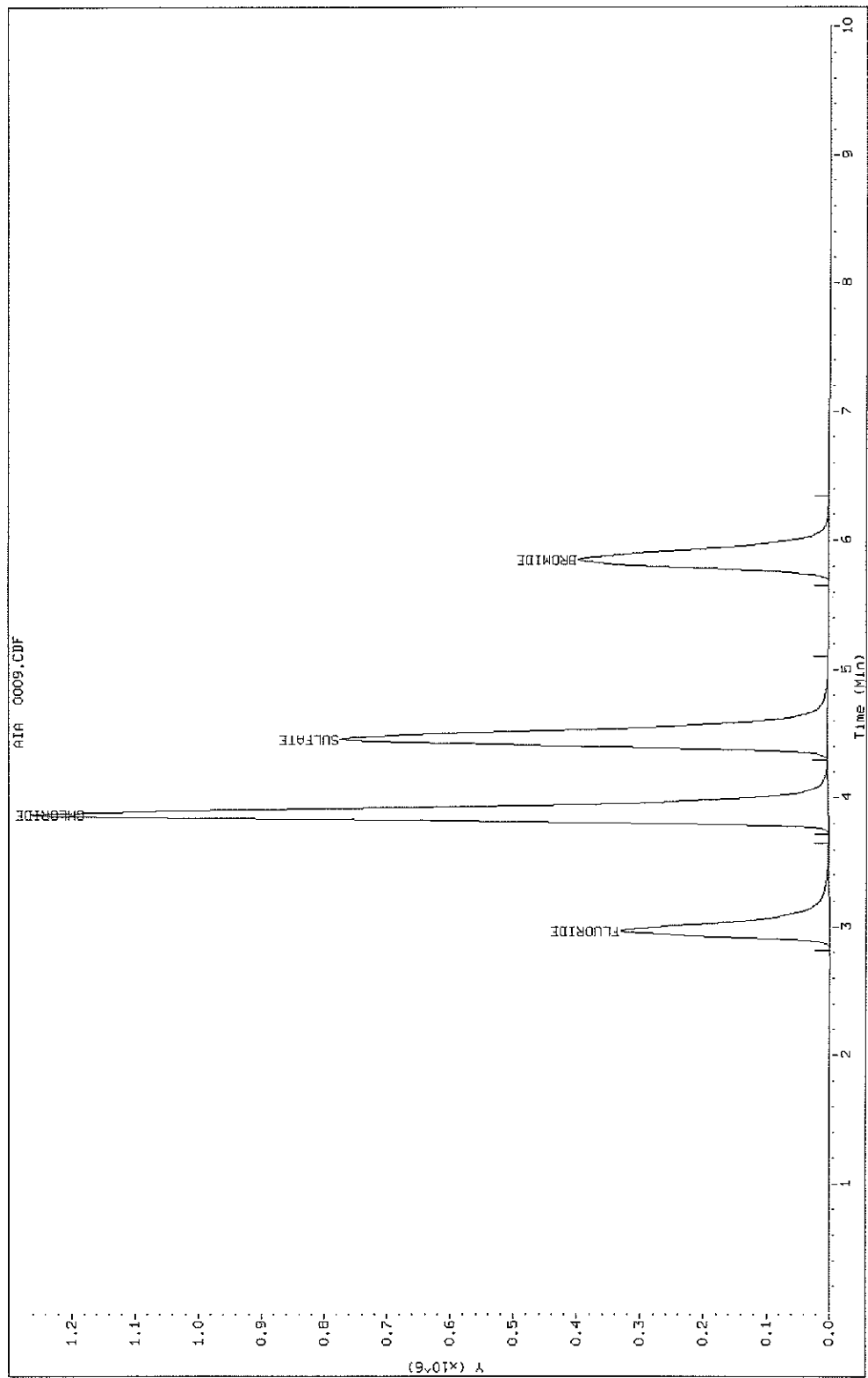
Date: 09-MAR-2010 09:58

Client ID: ANION-6

Sample Info: ANION-6~1G030910

Instrument: LCGIC.i

Operator: CB



General Chemistry Worksheet

Batch Number: 680-162634

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 09 2010 8:56AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	504.1 SURR_00001	All_Anions_00018	Anion-1_00038	Anion-2_00037	Anion-3_00035
IC~680-162634/1		300.0		5 mL			5000 uL		
IC~680-162634/2		300.0		5 mL				5000 uL	
IC~680-162634/3		300.0		5 mL					5000 uL
IC~680-162634/4		300.0		5 mL					
IC~680-162634/5		300.0		5 mL					
IC~680-162634/6		300.0		5 mL					
MB~680-162634/7				5 mL					
LCS~680-162634/8				5 mL					
680-55309-F-1			T	5 mL					
680-55309-F-1			T	5 mL					
680-55309-F-2			T	5 mL					
680-55309-F-2~MS			T	5 mL		50 uL			
680-55309-F-2			T	5 mL					
680-55309-F-2~MS			T	5 mL		50 uL			
CCV~680-162634/1				5 mL	# %				
5									
CCB~680-162634/1				5 mL					
6									
680-55346-A-2			T	5 mL					
680-55346-A-3			T	5 mL					
680-55346-A-3~MS			T	5 mL		50 uL			
680-55346-A-3~MS			T	5 mL		50 uL			
D									
680-55346-A-4			T	5 mL					
680-55346-A-5			T	5 mL					
680-55346-B-6			T	5 mL					
CCV~680-162634/2				5 mL	# %				
5									
CCB~680-162634/2				5 mL					
6									

General Chemistry Worksheet

Batch Number: 680-162634

Date Open: Mar 09 2010 8:56AM

Method: 300.0

Batch End:

Analyst: Brazell, Connie

Lab ID	Client ID	Method Chain	Basis	Anion-4_00045	Anion-5_00039	Anion-6_00034	Anion_ICV_00037
IC~680-162634/1		300.0					
IC~680-162634/2		300.0					
IC~680-162634/3		300.0					
IC~680-162634/4		300.0		5000 uL			
IC~680-162634/5		300.0			5000 mL		
IC~680-162634/6		300.0				5000 uL	
MB~680-162634/7							
LCS~680-162634/8							5 mL
680-55309-F-1			T				
680-55309-F-1			T				
680-55309-F-2			T				
680-55309-F-2~MS			T				
680-55309-F-2			T				
680-55309-F-2~MS			T				
CCV~680-162634/1				5000 uL			
5							
CCB~680-162634/1							
6							
680-55346-A-2			T				
680-55346-A-3			T				
680-55346-A-3~MS			T				
680-55346-A-3~MS			T				
D							
680-55346-A-4			T				
680-55346-A-5			T				
680-55346-B-6			T				
CCV~680-162634/2				5000 uL			
5							
CCB~680-162634/2							
6							

Filter Lot #:	P/N 038009
Eluent 1 Lot:	SN 100161539011
Regeneration Solution Lot:	N/A
Ethylenediamine Lot:	N/A

General Chemistry Worksheet

Batch Number: 680-162634

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 09 2010 8:56AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
IC~680-162634/1		300.0		
IC~680-162634/2		300.0		
IC~680-162634/3		300.0		
IC~680-162634/4		300.0		
IC~680-162634/5		300.0		
IC~680-162634/6		300.0		
MB~680-162634/7				
LCS~680-162634/8				
680-55309-F-1			T	
680-55309-F-1			T	
680-55309-F-2			T	
680-55309-F-2~MS			T	
680-55309-F-2			T	
680-55309-F-2~MS			T	
CCV~680-162634/1				
5				
CCB~680-162634/1				
6				
680-55346-A-2			T	
680-55346-A-3			T	
680-55346-A-3~MS			T	
680-55346-A-3~MS			T	
D				
680-55346-A-4			T	
680-55346-A-5			T	
680-55346-B-6			T	
CCV~680-162634/2				
5				
CCB~680-162634/2				
6				

Batch Comment:

NONE

General Chemistry Worksheet

Batch Number: 680-162657

Method: SM 2320B

Analyst: Vasquez, Juana

Date Open: Mar 09 2010 7:58AM

Batch End: Mar 09 2010 4:31PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	7.0 PH BUF_00077	Alk LCS_00051
Tap~water					InitialAmount is blank			
Di~water					InitialAmount is blank			
DI~WATER					InitialAmount is blank			
DI~WATER					InitialAmount is blank			
tap~h2o					InitialAmount is blank			
di					InitialAmount is blank			
ph~icv					InitialAmount is blank			
di					InitialAmount is blank			
MB~680-162657/9		SM 2320B		25 mL	BuretStart2 is blank	25 mL		
LCS~680-162657/10		SM 2320B		25 mL	BuretStart2 is blank	25 mL		25 mL
680-55644-D-1			T	25 mL	BuretStart2 is blank	25 mL		
680-55644-D-2			T	25 mL	BuretStart2 is blank	25 mL		
680-55644-D-3			T	25 mL	BuretStart2 is blank	25 mL		
680-55644-D-4			T	25 mL	BuretStart2 is blank	25 mL		
680-55644-D-5			T	25 mL	BuretStart2 is blank	25 mL		
680-55644-D-6			T	25 mL	BuretStart2 is blank	25 mL		
680-55644-D-7			T	25 mL	BuretStart2 is blank	25 mL		
680-55643-V-1				25 mL	BuretStart2 is blank	25 mL		
680-55655-A-2			T	25 mL	BuretStart2 is blank	25 mL		
680-55655-A-2~DU			T	25 mL	BuretStart2 is blank	25 mL		
CCVPH				25 mL	BuretStart2 is blank	25 mL	25 mL	
680-55671-A-1			T	25 mL	BuretStart2 is blank	25 mL		
680-55671-A-2			T	25 mL	BuretStart2 is blank	25 mL		
680-55671-A-3			T	25 mL	BuretStart2 is blank	25 mL		
680-55671-A-4			T	25 mL	BuretStart2 is blank	25 mL		

General Chemistry Worksheet

Batch Number: 680-162657

Method: SM 2320B

Analyst: Vasquez, Juana

Date Open: Mar 09 2010 7:58AM

Batch End: Mar 09 2010 4:31PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	7.0 PH BUF_00077	Alk LCS_00051
680-55671-A-5			T	25 mL	BuretStart2 is blank	25 mL		
680-55671-A-6			T	25 mL	BuretStart2 is blank	25 mL		
680-55671-A-7			T	25 mL	BuretStart2 is blank	25 mL		
680-55671-A-7~DU			T	25 mL	BuretStart2 is blank	25 mL		
680-55684-A-3	MW-04	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
CCVPH				25 mL	BuretStart2 is blank	25 mL	25 mL	

First Start time: 758
 First End time: 1631
 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: 680-162657

Method: SM 2320B

Analyst: Vasquez, Juana

Date Open: Mar 09 2010 7:58AM

Batch End: Mar 09 2010 4:31PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
Tap~water				
Di~water				
DI~WATER				
DI~WATER				
tap~h2o				
di				
ph~icv				
di				
MB~680-162657/9		SM 2320B		
LCS~680-162657/10		SM 2320B		
680-55644-D-1			T	
680-55644-D-2			T	
680-55644-D-3			T	
680-55644-D-4			T	
680-55644-D-5			T	
680-55644-D-6			T	
680-55644-D-7			T	
680-55643-V-1				
680-55655-A-2			T	
680-55655-A-2~DU			T	
CCVPH				
680-55671-A-1			T	
680-55671-A-2			T	
680-55671-A-3			T	
680-55671-A-4			T	

General Chemistry Worksheet

Batch Number: 680-162657

Method: SM 2320B

Analyst: Vasquez, Juana

Date Open: Mar 09 2010 7:58AM

Batch End: Mar 09 2010 4:31PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-55671-A-5	MW-04	SM 2320B	T	
680-55671-A-6			T	
680-55671-A-7			T	
680-55671-A-7~DU			T	
680-55684-A-3			T	
CCVPH				

Batch Comment:

n

General Chemistry Worksheet

Batch Number: 680-162663

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Mar 09 2010 5:59PM

Batch End: Mar 10 2010 5:25PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-162663/1		SM 2540D		P1191	0.1102 g	200 mL	0.1103 g	0.1102 g	0 g
LCS~680-162663/2		SM 2540D		P1192	0.1069 g	200 mL	0.1286 g	0.1282 g	0 g
680-55662-B-3			T	P1193	0.1088 g	200 mL	0.1097 g	0.1098 g	0 g
680-55662-B-3~DU			T	P1194	0.1067 g	200 mL	0.1077 g	0.1076 g	0 g
680-55603-A-3			T	P1195	0.1106 g	200 mL	0.1152 g	0.1152 g	0 g
680-55595-A-1			T	P1196	0.1086 g	200 mL	0.1126 g	0.1125 g	0 g
680-55491-G-1			T	P1197	0.1073 g	45 mL	0.1116 g	0.1116 g	0 g
680-55595-A-2			T	P1198	0.1072 g	200 mL	0.1099 g	0.1099 g	0 g
680-55662-B-2			T	P1199	0.1068 g	200 mL	0.1082 g	0.1082 g	0 g
680-55662-B-1			T	P1200	0.1078 g	200 mL	0.1086 g	0.1084 g	0 g
680-55684-A-2	MW-04	SM 2540D	T	P1201	0.1085 g	200 mL	0.1090 g	0.1089 g	0 g

General Chemistry Worksheet

Batch Number: 680-162663

Date Open: Mar 09 2010 5:59PM

Method: 160.2

Batch End: Mar 10 2010 5:25PM

Analyst: Jackson, Michelle S

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_00183
MB~680-162663/1		SM 2540D		PASS_D g	0.0001 g	0 g	NaN g	200 mL	
LCS~680-162663/2		SM 2540D		PASS_D g	0.0217 g	0.0213 g	NaN g	200 mL	200 mL
680-55662-B-3			T	PASS_D g	0.0009 g	0.001 g	NaN g	200 mL	
680-55662-B-3~DU			T	PASS_D g	0.0010 g	0.0009 g	NaN g	200 mL	
680-55603-A-3			T	PASS_D g	0.0046 g	0.0046 g	NaN g	200 mL	
680-55595-A-1			T	PASS_D g	0.0040 g	0.0039 g	NaN g	200 mL	
680-55491-G-1			T	PASS_D g	0.0043 g	0.0043 g	NaN g	200 mL	
680-55595-A-2			T	PASS_D g	0.0027 g	0.0027 g	NaN g	200 mL	
680-55662-B-2			T	PASS_D g	0.0014 g	0.0014 g	NaN g	200 mL	
680-55662-B-1			T	PASS_D g	0.0008 g	0.0006 g	NaN g	200 mL	
680-55684-A-2	MW-04	SM 2540D	T	PASS_D g	0.0005 g	0.0004 g	NaN g	200 mL	

Nominal Amount Used: 200 mL

Oven ID: B

Date samples were place in the oven: 03.09.10

Oven Temp when samples are put in oven: 105 Celsius

Date samples were removed from oven: 03.10.10

Oven Temp when samples removed from oven: 105 Celsius

Balance ID: 13

Filter Paper Lot Number: 9555339343

General Chemistry Worksheet

Batch Number: 680-162663

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Mar 09 2010 5:59PM

Batch End: Mar 10 2010 5:25PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-162663/1		SM 2540D		
LCS~680-162663/2		SM 2540D		
680-55662-B-3			T	
680-55662-B-3~DU			T	
680-55603-A-3			T	
680-55595-A-1			T	
680-55491-G-1			T	
680-55595-A-2			T	
680-55662-B-2			T	
680-55662-B-1			T	
680-55684-A-2	MW-04	SM 2540D	T	

Batch Comment:

N/A

General Chemistry Worksheet

Batch Number: 680-162750

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 10 2010 2:25PM

Batch End: Mar 11 2010 5:00PM

Lab ID	Client ID	Method Chain	Basis	Conductivity of sample	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing
MB~680-162750/1		SM 2540C			70	100 mL	81.8659 g	81.8658 g	81.8660 g
LCS~680-162750/2		SM 2540C			71	100 mL	76.1553 g	76.1961 g	76.1963 g
LCSD~680-162750/3		SM 2540C			72	100 mL	75.4847 g	75.5245 g	75.5247 g
680-55554-M-1			T	228.00 umhos/cm	73	100 mL	78.2875 g	78.3007 g	78.3009 g
680-55540-A-1			T	31200.00 umhos/cm	74	50 mL	75.6358 g	76.6493 g	76.6495 g
680-55540-A-2			T	48800.00 umhos/cm	75	25 mL	78.5900 g	79.4152 g	79.4154 g
680-55554-M-1~DU			T	228.00 umhos/cm	110	100 mL	74.2195 g	74.2312 g	74.2312 g
680-55548-C-1			T	184.60 umhos/cm	20	100 mL	76.8102 g	76.8257 g	76.8253 g
680-55548-A-2			T	3160.00 umhos/cm	76	50 mL	77.6966 g	77.7910 g	77.7909 g
680-55590-B-1			T	349.00 umhos/cm	77	100 mL	76.5954 g	76.6174 g	76.6175 g
680-55598-A-1			T	5790.00 umhos/cm	78	25 mL	79.2229 g	79.3078 g	79.3080 g
680-55684-A-4	MW-04	SM 2540C	T	338.00 umhos/cm	79	100 mL	79.3572 g	79.3834 g	79.3834 g
680-55643-T-1			T	1277.00 umhos/cm	61	100 mL	73.1627 g	73.2552 g	73.2553 g
680-55665-E-1			T	553.00 umhos/cm	80	100 mL	74.6919 g	74.7322 g	74.7323 g
680-55651-D-1			T	15.52 umhos/cm	81	100 mL	78.4487 g	78.4520 g	78.4524 g
680-55651-D-1~DU			T	15.52 umhos/cm	82	100 mL	72.3447 g	72.3490 g	72.3491 g
680-55645-A-1			T	2470.00 umhos/cm	83	50 mL	75.5512 g	75.6683 g	75.6684 g
680-55672-A-1			T	64.10 umhos/cm	103	100 mL	76.7057 g	76.7130 g	76.7130 g
680-55672-A-2			T	53.50 umhos/cm	84	100 mL	75.4244 g	75.4304 g	75.4305 g
680-55672-A-4			T	65.00 umhos/cm	85	100 mL	77.4397 g	77.4482 g	77.4483 g
680-55695-B-1			T	430.00 umhos/cm	12	100 mL	73.0952 g	73.1226 g	73.1227 g
680-55695-B-2			T	1545.00 umhos/cm	900	100 mL	72.2602 g	72.3537 g	72.3538 g
680-55672-A-3			T	69.9 umhos/cm	86	100 mL	77.8553 g	77.8643 g	77.8643 g

General Chemistry Worksheet

Batch Number: 680-162750

Date Open: Mar 10 2010 2:25PM

Method: 160.1

Batch End: Mar 11 2010 5:00PM

Analyst: Jackson, Michelle S

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_00080
MB~680-162750/1		SM 2540C		0 g	PASS_D	-0.0001 g	0.0001 g	100 mL	
LCS~680-162750/2		SM 2540C		0 g	PASS_D	0.0408 g	0.0410 g	100 mL	100 mL
LCSD~680-162750/ 3		SM 2540C		0 g	PASS_D	0.0398 g	0.0400 g	100 mL	100 mL
680-55554-M-1			T	0 g	PASS_D	0.0132 g	0.0134 g	100 mL	
680-55540-A-1			T	0 g	PASS_D	1.0135 g	1.0137 g	100 mL	
680-55540-A-2			T	0 g	PASS_D	0.8252 g	0.8254 g	100 mL	
680-55554-M-1~DU			T	0 g	PASS_D	0.0117 g	0.0117 g	100 mL	
680-55548-C-1			T	0 g	PASS_D	0.0155 g	0.0151 g	100 mL	
680-55548-A-2			T	0 g	PASS_D	0.0944 g	0.0943 g	100 mL	
680-55590-B-1			T	0 g	PASS_D	0.0220 g	0.0221 g	100 mL	
680-55598-A-1			T	0 g	PASS_D	0.0849 g	0.0851 g	100 mL	
680-55684-A-4	MW-04	SM 2540C	T	0 g	PASS_D	0.0262 g	0.0262 g	100 mL	
680-55643-T-1			T	0 g	PASS_D	0.0925 g	0.0926 g	100 mL	
680-55665-E-1			T	0 g	PASS_D	0.0403 g	0.0404 g	100 mL	
680-55651-D-1			T	0 g	PASS_D	0.0033 g	0.0037 g	100 mL	
680-55651-D-1~DU			T	0 g	PASS_D	0.0043 g	0.0044 g	100 mL	
680-55645-A-1			T	0 g	PASS_D	0.1171 g	0.1172 g	100 mL	
680-55672-A-1			T	0 g	PASS_D	0.0073 g	0.0073 g	100 mL	
680-55672-A-2			T	0 g	PASS_D	0.0060 g	0.0061 g	100 mL	
680-55672-A-4			T	0 g	PASS_D	0.0085 g	0.0086 g	100 mL	
680-55695-B-1			T	0 g	PASS_D	0.0274 g	0.0275 g	100 mL	
680-55695-B-2			T	0 g	PASS_D	0.0935 g	0.0936 g	100 mL	
680-55672-A-3			T	0 g	PASS_D	0.0090 g	0.0090 g	100 mL	

Oven ID:

C

Constant Weight (WT2) Temp Out:

180 Celsius

ID number of the thermometer:

GE02

Constant Weight (WT3) Date/time In:

N/A

Nominal Amount Used:

100 mL

Constant Weight (WT3) Temp In:

N/A Celsius

Date samples were place in the oven:

03.10.10

Constant Weight (WT3) Date/Time Out:

N/A

Oven Temp when samples are put in oven:

105/ 03.11.10@180 Celsius

Constant Weight (WT3) Temp Out:

N/A Celsius

Date samples were removed from oven:

03.11.10

Oven Temp when samples removed from oven:

180 Celsius

Balance ID:

13

Filter Paper Lot Number:

K11595903

Constant Weight (WT2) Date/Time in Oven:

03.11.10/12:30

Constant Weight (WT2) Temp In:

180 Celsius

Constant Weight (WT2) Date/Time Out:

03.11.10/ 13:45

General Chemistry Worksheet

Batch Number: 680-162750

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 10 2010 2:25PM

Batch End: Mar 11 2010 5:00PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-162750/1		SM 2540C		
LCS~680-162750/2		SM 2540C		
LCSD~680-162750/3		SM 2540C		
680-55554-M-1			T	
680-55540-A-1			T	
680-55540-A-2			T	
680-55554-M-1~DU			T	
680-55548-C-1			T	
680-55548-A-2			T	
680-55590-B-1			T	
680-55598-A-1			T	
680-55684-A-4	MW-04	SM 2540C	T	
680-55643-T-1			T	
680-55665-E-1			T	
680-55651-D-1			T	
680-55651-D-1~DU			T	
680-55645-A-1			T	
680-55672-A-1			T	
680-55672-A-2			T	
680-55672-A-4			T	
680-55695-B-1			T	
680-55695-B-2			T	
680-55672-A-3			T	

Batch Comment:

N/A

General Chemistry Worksheet

Batch Number: 680-162778

Date Open: Mar 10 2010 9:58AM

Method: 300.0

Batch End:

Analyst: Brazell, Connie

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	504.1 SURR_00001	All_Anions_00018	Anion-4_00045	Anion_ICV_00037
CCV~680-162778/1		300.0		1 mL	5 mL	# %		5000 uL	
MB~680-162778/2		300.0		1 mL	5 mL				
LCS~680-162778/3		300.0		1 mL	5 mL				5 mL
680-55684-A-3	MW-04	300.0	T	1 mL	5 mL				
680-55684-A-3~MS	MW-04	300.0	T	1 mL	5 mL		50 uL		
680-55378-F-1			T	1 mL	5 mL				
680-55383-E-1			T	1 mL	5 mL				
680-55383-E-1			T	1 mL	5 mL				
680-55383-E-2			T	1 mL	5 mL				
680-55383-E-2			T	1 mL	5 mL				
680-55383-E-3			T	1 mL	5 mL				
680-55383-E-3			T	1 mL	5 mL				
CCV~680-162778/1 3		300.0		1 mL	5 mL	# %		5000 uL	
CCB~680-162778/1 4		300.0		1 mL	5 mL				
680-55383-E-4			T	1 mL	5 mL				
680-55383-E-4			T	1 mL	5 mL				
680-55462-I-1			T	1 mL	5 mL				
680-55377-B-13			T	1 mL	5 mL				
680-55377-B-13			T	1 mL	5 mL				
680-55377-B-13			T	1 mL	5 mL				
680-55377-B-14			T	1 mL	5 mL				
680-55377-B-14~MS			T	1 mL	5 mL		50 uL		
680-55377-B-14~MS D			T	1 mL	5 mL		50 uL		
680-55377-B-15			T	1 mL	5 mL				
CCV~680-162778/2 5				1 mL	5 mL	# %		5000 uL	

General Chemistry Worksheet

Batch Number: 680-162778

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 10 2010 9:58AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	504.1 SURR_00001	All_Anions_00018	Anion-4_00045	Anion_ICV_00037
CCB~680-162778/26				1 mL	5 mL				

Filter Lot #:

P/N 038009

Eluent 1 Lot:

SN 100161539011

Regeneration Solution Lot:

N/A

Ethylenediamine Lot:

N/A

General Chemistry Worksheet

Batch Number: 680-162778

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 10 2010 9:58AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-162778/1		300.0		
MB~680-162778/2		300.0		
LCS~680-162778/3		300.0		
680-55684-A-3	MW-04	300.0	T	
680-55684-A-3~MS	MW-04	300.0	T	
680-55378-F-1			T	
680-55383-E-1			T	
680-55383-E-1			T	
680-55383-E-2			T	
680-55383-E-2			T	
680-55383-E-3			T	
680-55383-E-3			T	
CCV~680-162778/1		300.0		
3				
CCB~680-162778/1		300.0		
4				
680-55383-E-4			T	
680-55383-E-4			T	
680-55462-I-1			T	
680-55377-B-13			T	
680-55377-B-13			T	
680-55377-B-13			T	
680-55377-B-14			T	
680-55377-B-14~MS			T	
680-55377-B-14~MS			T	
D				
680-55377-B-15			T	
CCV~680-162778/2				
5				

General Chemistry Worksheet

Batch Number: 680-162778

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 10 2010 9:58AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCB~680-162778/2 6				

Batch Comment:

NONE

General Chemistry Worksheet

Batch Number: 680-162886

Method: SM 5310B

Analyst: Blackshear, Kim

Date Open: Mar 10 2010 10:12AM

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~680-162886/1		SM 5310B		25 mL	25 mL		
LCS~680-162886/2		SM 5310B		25 mL	25 mL		25 mL
680-55684-A-1	MW-04	SM 5310B	T	25 mL	25 mL		
680-55518-C-1			T	25 mL	25 mL		
680-55518-B-1~MS			T	25 mL	25 mL	0.25 mL	
680-55518-B-1~MS D			T	25 mL	25 mL	0.25 mL	

HCl Vendor:

Mallinckrodt

Lot # of hydrochloric acid:

50% HCl-00006

General Chemistry Worksheet

Batch Number: 680-162886

Method: SM 5310B

Analyst: Blackshear, Kim

Date Open: Mar 10 2010 10:12AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-162886/1		SM 5310B		
LCS~680-162886/2		SM 5310B		
680-55684-A-1	MW-04	SM 5310B	T	
680-55518-C-1			T	
680-55518-B-1~MS			T	
680-55518-B-1~MS D			T	

Batch Comment:

N/A

10 STLCAS

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Joseph Caraballo Company: Test America Burlington Address: 30 Community Drive City: S Burlington State, Zip: VT 05403 Phone: 802-923-1038 Email: Project Name: Lawrence Aviation Superfund Site Site:		Sampler: J. Caraballo Lab PM: J. Caraballo E-Mail:	COC No: 200-4.1 Page: Page 1 of 1 Job #:	Carter Tracking No(s):
Analysis Requested Due Date Requested: 3 days Data Due Friday 3/12 TAT Requested (days): PO #: WO #: Project #: SDG: 136246 SSOW#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		
Sample Identification MWV-04		Matrix (W=water, S=solid, O=other) Sample Type (C=Comp, G=grab) Sample Time Sample Date Preservation Code	TOC via SM5310C TSS via SM2540D Cl/Sulfate via 300.0 Alkalinity via SM2320B TDS via SM2540C	Total Number of Containers Special Instructions/Note:
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Method of Shipment:		
Relinquished by: <i>Lucas L. Patton</i> Relinquished by:		Received by: <i>Butch A. Doughty</i> Received by:		
Relinquished by:		Received by:		
Relinquished by:		Received by:		
Custody Seals Intact: ☒ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks: 0.4 68.0 55.0 84		

TestAmerica
South Burlington, VT
Extended Data Package

136424

TestAmerica Laboratories, Inc.

March 26, 2010

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

Re: Laboratory Project No. 29000
Case: LASS; SDG: 136424

Dear Mr. Dyson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on March 19th, 2010. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 03/19/10 ETR No: 136424			
823189	D=0 1.5% MEDIUM	03/17/10	WATER
823190	D=0 1.5% HIGH	03/17/10	WATER
823191	D=0 1.75% MEDIUM	03/17/10	WATER
823192	D=0 1.75% HIGH	03/17/10	WATER
823193	D=0 2.0% MEDIUM	03/17/10	WATER
823194	D=0 2.0% HIGH	03/17/10	WATER
823195	D=0 CONTROL	03/17/10	WATER
823196	D=3 1.5% MEDIUM	03/17/10	WATER
823197	D=3 1.5% HIGH	03/17/10	WATER
823198	D=3 1.75% MEDIUM	03/17/10	WATER
823199	D=3 1.75% HIGH	03/17/10	WATER
823200	D=3 2.0% MEDIUM	03/17/10	WATER
823201	D=3 2.0% HIGH	03/17/10	WATER
823202	D=3 CONTROL	03/17/10	WATER
823203	TRIP BLANK	03/17/10	WATER
823204	VHBLK01	03/19/10	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.

Volatile Organics by SOM01.2 VOA TRACE

Due to inherent software limitations, the sample identifications for most samples have been truncated.

The recoveries of one or more surrogates were outside the established control criteria however the recoveries were within the specifications of the method and the laboratory's Standard Operating Procedure (SOP). Please refer to Form 2 of the report for details.

Instrument blanks did not meet method determined quality control criteria. The instrument blanks were reported with high recovery outside QC limit for DMC 1,2-Dichloroethane-d4. See attached form 4 for the analytical sequence of the samples associated with the failing instrument blanks. Due to instrument failure there were several analytes associated with the CCV runs which did not meet method determined quality control criteria. Please refer to report for details.

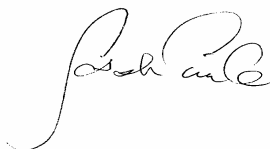
The majority of samples within this set were diluted to get the response of the analyte with the highest concentration within the initial calibration range. Please refer to the report for details.

Manual integration of quantitation peaks was performed where necessary. Documentation of each manual integration was provided in the supportive documentation. Secondary review was performed by the laboratory on all of the manual integrations within this submittal.

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,



Joseph Carabillo
Project Manager

cc:

Continuation...

Chain of Custody	2
QC Summary SOM01.2 Volatiles Trace.....	5
Supportive Documentation SOM01.2 Volatiles Trace	21
Standards SOM01.2 Volatiles Trace	351
Raw QC Data SOM01.2 Volatiles Trace.....	441
Sample Preparation SOM01.2 Volatiles Trace.....	575
Sample Handling	622

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

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Report to: Company: <u>RAMMER TECHNOLOGIES</u> Address: <u>220 ROUTE 70 EAST</u> <u>SUITE B. MERRIFIELD NH 03055</u> Contact: <u>KEVIN D. DRYDEN</u> Phone: <u>603-714-2420</u> Fax: <u>603-714-2495</u> Contract/Quote: _____				Invoice to: Company: <u>SAME</u> Address: _____ Contact: _____ Phone: _____ Fax: _____				ANALYSIS REQUESTED TPL VOA 5000.1.2				Lab Use Only Due Date: _____ Temp. of coolers when received (°F): <u>1.3</u> 1 2 3 4 5 Custody Seal <u>N/A</u> Intact <u>N/A</u> Screened For Radioactivity ☐			
Sampler's Name: <u>KEVIN D. DRYDEN</u> Sampler's Signature:												No./Type of Containers ² <u>42 VOAs</u>			
Proj. No.		Project Name		Identifying Marks of Sample(s)		VOA		A/G 1 Lt.		250 ml		P/O			
303001		LAWRENCE AVIATION SPCO SITE				3		3							
Matrix ¹	Date	Time	C	G	I	a	b								
✓	3/17	1100	✓	D=0, 1.5% MEDIUM				3							
		1110	✓	D=0, 1.5% HIGH				3							
		1145	✓	D=0, 1.75% MEDIUM				3							
		1155	✓	D=0, 1.75% HIGH				3							
		1215	✓	D=0, 2.0% MEDIUM				3							
		1225	✓	D=0, 2.0% HIGH				3							
		1245	✓	D=0, CONTROL				3							
		1510	✓	D=3, 1.5% MEDIUM				3							
		1520	✓	D=3, 1.5% HIGH				3							
		1530	✓	D=3, 1.75% MEDIUM				3							
Relinquished by: Date: <u>3/17</u> Time: <u>1500</u>												Received by: (Signature) <u>W. W. W.</u> Date: <u>3/11/0</u>		Remarks: <u>RESIDUAL ASCENTIC ALU AS</u> <u>QUENCH AGENT IN BOTTLES</u>	
Relinquished by: (Signature) _____ Date: _____ Time: _____												Received by: (Signature) _____ Date: _____ Time: _____		Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.	
Relinquished by: (Signature) _____ Date: _____ Time: _____												Received by: (Signature) _____ Date: _____ Time: _____		SL - Sludge O - Oil C - Charcoal Tube P/O - Plastic or other	
Matrix WW - Wastewater A/G - Amber / Or Glass 1 Liter Container VOA - 40 ml vial												L - Liquid 250 ml - Glass wide mouth		A - Air bag	



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.: 136424

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKMO	109	110	91	106	108	118	101
02	D01.5MEDDL	109	108	90	107	108	115	104
03	D01.5HIGHDL	109	105	88	109	107	118	106
04	D01.75MEDDL	108	106	88	111	106	117	106
05	D01.75HIGHDL	106	104	87	111	107	117	105
06	D02.0MEDDL	107	107	88	114	108	116	105
07	D02.0HIGHDL	107	104	88	113	108	118	107
08	D0CONTROLDL	109	107	89	117	110	120	107
09	D3CONTROLDL	107	108	90	118	111	122	106
10	D31.5HIGH	107	106	88	117	109	120	108
11	D31.75MEDDL	109	108	90	116	110	121	109
12	D31.5MED	103	103	87	115	109	117	102
13	TRIP BLANK	106	106	89	120	111	122	103
14	D32.0MED	106	105	89	118	110	120	105
15	VBLKMP	103	101	85	122	106	117	94
16	D32.0HIGH	108	107	89	114	106	113	99
17	D31.5MEDDL	105	105	89	128	112	122	102
18	D01.5MED	113	111	93	149	121	135*	101
19	VIBLKMV	102	101	86	135	110	122	98
20	D01.5HIGH	103	103	85	134	111	124	99
21	VIBLKMW	102	102	86	139	112	126	98
22	D01.75MED	105	105	88	144	116	134*	100
23	VIBLKMX	109	108	92	151	120	135*	101
24	D01.75HIGH	108	109	92	152	120	136*	100
25	VIBLKMY	104	103	87	142	114	130*	96
26	D02.0MED	109	109	91	150	120	136*	99
27	VIBLKMZ	109	109	93	150	120	138*	98
28	D02.0HIGH	108	106	91	148	119	134*	98
29	VBLKJR	91	95	76	104	93	94	98
30	D31.75MED	96	98	78	122	93	102	99

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

Page 1 of 4

SOM01.2

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.: 136424

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
31	VIBLKJA	94	94	75	108	92	96	93
32	D31.75HIGH	92	94	73	111	92	97	93
33	D0CONTROL	87	92	74	103	90	91	95
34	VIBLKJC	83	89	72	103	90	92	93
35	D3CONTROL	83	87	73	102	90	91	93
36	VIBLKJD	86	90	75	106	90	94	94
37	VHBLK01	85	92	72	102	84	90	94
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
55								
56								
57								
58								
59								
60								

VDMC1 (VCL) = Vinyl chloride-d3
VDMC2 (CLA) = Chloroethane-d5
VDMC3 (DCE) = 1,1-Dichloroethene-d2
VDMC4 (BUT) = 2-Butanone-d5
VDMC5 (CLF) = Chloroform-d
VDMC6 (DCA) = 1,2-Dichloroethane-d4
VDMC7 (BEN) = Benzene-d6

QC LIMITS
(65-131)
(71-131)
(55-104)
(49-155)
(78-121)
(78-129)
(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits
Page 2 of 4

SOM01.2

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.: 136424

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (TCA) #	VDMC13 (DCZ) #	VDMC14 () #	TOT OUT
01	VBLKMO	94	102	96	98	93	94		0
02	D01.5MEDDL	96	105	101	97	95	93		0
03	D01.5HIGHDL	95	103	98	98	96	93		0
04	D01.75MEDDL	95	101	97	99	95	91		0
05	D01.75HIGHDL	94	101	96	97	94	91		0
06	D02.0MEDDL	95	102	97	99	95	92		0
07	D02.0HIGHDL	96	102	99	102	97	93		0
08	D0CONTROLDL	97	104	98	101	98	94		0
09	D3CONTROLDL	95	102	97	99	97	93		0
10	D31.5HIGH	97	103	99	103	98	93		0
11	D31.75MEDDL	99	105	100	103	98	95		0
12	D31.5MED	96	102	98	101	98	92		0
13	TRIP BLANK	97	104	97	102	98	94		0
14	D32.0MED	97	103	97	103	99	93		0
15	VBLKMP	89	94	95	100	94	85		0
16	D32.0HIGH	90	101	92	96	91	87		0
17	D31.5MEDDL	96	101	103	111	101	90		0
18	D01.5MED	100	102	108	117	108	96		1
19	VIBLKMV	96	99	105	113	104	91		0
20	D01.5HIGH	97	101	106	114	105	92		0
21	VIBLKMW	96	99	102	117	106	91		0
22	D01.75MED	96	100	107	118	109	91		1
23	VIBLKMX	98	101	106	118	108	95		1
24	D01.75HIGH	96	100	107	118	108	92		1
25	VIBLKMY	93	96	101	113	102	87		1
26	D02.0MED	92	100	105	118	107	92		1
27	VIBLKMZ	93	101	103	115	108	93		1
28	D02.0HIGH	95	98	106	117	107	89		1
29	VBLKJR	90	98	93	98	90	98		0
30	D31.75MED	94	97	96	110	95	97		0

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

Page 3 of 4

SOM01.2

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.: 136424

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (TCA) #	VDMC13 (DCZ) #	VDMC14 () #	TOT OUT
31	VIBLKJA	88	92	93	99	94	100		0
32	D31.75HIGH	91	94	89	103	93	95		0
33	D0CONTROL	90	96	89	97	84	92		0
34	VIBLKJC	86	94	92	99	92	93		0
35	D3CONTROL	91	96	89	103	91	95		0
36	VIBLKJD	87	96	93	98	96	92		0
37	VHBLK01	89	95	92	98	88	93		0
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									

VDMC8 (DPA) = 1,2-Dichloropropane-d6
VDMC9 (TOL) = Toluene-d8
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4
VDMC11 (HEX) = 2-Hexanone-d5
VDMC12 (TCA) = 1,1,2,2-Tetrachloroethane-d2
VDMC13 (DCZ) = 1,2-Dichlorobenzene-d4

QC LIMITS
(79-124)
(77-121)
(73-121)
(28-135)
(73-125)
(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
Page 4 of 4

SOM01.2

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBKMO

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: MBEB03E

Lab Sample ID: VBKMO

Instrument ID: M.i

Matrix: (SOIL/SED/WATER) Water

Date Analyzed: 03/21/2010

Level: (TRACE or LOW/MED) TRACE

Time Analyzed: 1247

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	D01.5MEDDL	823189D1	823189D	1330
02	D01.5HIGHDL	823190D1	823190D	1402
03	D01.75MEDDL	823191D1	823191D	1433
04	D01.75HIGHDL	823192D1	823192D	1505
05	D02.0MEDDL	823193D1	823193D	1536
06	D02.0HIGHDL	823194D1	823194D	1608
07	D0CONTROLDL	823195D1	823195D	1639
08	D3CONTROLDL	823202D1	823202D	1711
09	D31.5HIGH	823197	823197D	1743
10	D31.75MEDDL	823198D1	823198D	1814
11	D31.5MED	823196	823196	1917
12	TRIP BLANK	823203	823203	1949
13	D32.0MED	823200	823200	2020
14				
15				
16				
17				
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19				
20				
21				
22				
23				
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25				
26				
27				
28				
29				
30				

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKMP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: MBEB04F

Lab Sample ID: VBLKMP

Instrument ID: M.i

Matrix: (SOIL/SED/WATER) Water

Date Analyzed: 03/22/2010

Level: (TRACE or LOW/MED) TRACE

Time Analyzed: 1111

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	D32.0HIGH	823201	823201D	1159
02	D31.5MEDDL	823196D1	823196D	1234
03	D01.5MED	823189	823189D2	1305
04	VIBLKMV	VIBLKMV	MBEB05F	1337
05	D01.5HIGH	823190	823190D2	1408
06	VIBLKMW	VIBLKMW	MBEB06F	1440
07	D01.75MED	823191	823191D2	1511
08	VIBLKMX	VIBLKMX	MBEB07F	1543
09	D01.75HIGH	823192	823192D2	1614
10	VIBLKMY	VIBLKMY	MBEB08F	1646
11	D02.0MED	823193	823193D2	1718
12	VIBLKMZ	VIBLKMZ	MBEB09F	1749
13	D02.0HIGH	823194	823194D2	1822
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKJR

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: JAMB04B

Lab Sample ID: VBLKJR

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water

Date Analyzed: 03/24/2010

Level: (TRACE or LOW/MED) TRACE

Time Analyzed: 1200

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	D31.75MED	823198	823198	1317
02	VIBLKJA	VIBLKJA	JAMB05B	1346
03	D31.75HIGH	823199	823199	1416
04	D0CONTROL	823195	823195D2	1514
05	VIBLKJC	VIBLKJC	JAMB07B	1544
06	D3CONTROL	823202	823202D2	1613
07	VIBLKJD	VIBLKJD	JAMB08B	1642
08	VHBLK01	823204	823204	1711
09				
10				
11				
12				
13				
14				
15				
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27				
28				
29				
30				

COMMENTS:

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBMI

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: MBE02PV

BFB Injection Date: 03/17/2010

Instrument ID: M.i

BFB Injection Time: 1231

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 80.0% of mass 95	44.0
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	0.1 (0.2)1
174	50.0 - 120.0% of mass 95	68.1
175	5.0 - 9.0% of mass 174	4.8 (7.0)1
176	95.0 - 101.0% of mass 174	67.5 (99.1)1
177	5.0 - 9.0% of mass 176	4.6 (6.7)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	VSTD0.5MI	VSTD0.5MI	MBE005V	03/17/2010	1332
02	VSTD001MI	VSTD001MI	MBE01V	03/17/2010	1404
03	VSTD005MI	VSTD005MI	MBE05V	03/17/2010	1435
04	VSTD010MI	VSTD010MI	MBE10V	03/17/2010	1507
05	VSTD020MI	VSTD020MI	MBE20V	03/17/2010	1539
06					
07					
08					
09					
10					
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.
BFBMO

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: MBE07PV

BFB Injection Date: 03/21/2010

Instrument ID: M.i

BFB Injection Time: 0956

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 80.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	50.0 - 120.0% of mass 95	60.3
175	5.0 - 9.0% of mass 174	4.1 (6.7)1
176	95.0 - 101.0% of mass 174	59.2 (98.1)1
177	5.0 - 9.0% of mass 176	3.8 (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	VSTD005MO	VSTD005MO	MBE05EV	03/21/2010	1215
02	VBLKMO	VBLKMO	MBEB03E	03/21/2010	1247
03	D01.5MEDDL	823189D1	823189D	03/21/2010	1330
04	D01.5HIGHDL	823190D1	823190D	03/21/2010	1402
05	D01.75MEDDL	823191D1	823191D	03/21/2010	1433
06	D01.75HIGHDL	823192D1	823192D	03/21/2010	1505
07	D02.0MEDDL	823193D1	823193D	03/21/2010	1536
08	D02.0HIGHDL	823194D1	823194D	03/21/2010	1608
09	D0CONTROLDL	823195D1	823195D	03/21/2010	1639
10	D3CONTROLDL	823202D1	823202D	03/21/2010	1711
11	D31.5HIGH	823197	823197D	03/21/2010	1743
12	D31.75MEDDL	823198D1	823198D	03/21/2010	1814
13	D31.5MED	823196	823196	03/21/2010	1917
14	TRIP BLANK	823203	823203	03/21/2010	1949
15	D32.0MED	823200	823200	03/21/2010	2020
16	VSTD005OM	VSTD005OM	MBE05EC1	03/21/2010	2052
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBMP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: MBE08PV

BFB Injection Date: 03/22/2010

Instrument ID: M.i

BFB Injection Time: 0812

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 80.0% of mass 95	44.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.3 (0.6)1
174	50.0 - 120.0% of mass 95	61.2
175	5.0 - 9.0% of mass 174	4.3 (7.0)1
176	95.0 - 101.0% of mass 174	59.7 (97.5)1
177	5.0 - 9.0% of mass 176	3.7 (6.1)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	VSTD005MP	VSTD005MP	MBE05FV	03/22/2010	0912
02	VBLKMP	VBLKMP	MBEB04F	03/22/2010	1111
03	D32.0HIGH	823201	823201D	03/22/2010	1159
04	D31.5MEDDL	823196D1	823196D	03/22/2010	1234
05	D01.5MED	823189	823189D2	03/22/2010	1305
06	VIBLKMV	VIBLKMV	MBEB05F	03/22/2010	1337
07	D01.5HIGH	823190	823190D2	03/22/2010	1408
08	VIBLKMW	VIBLKMW	MBEB06F	03/22/2010	1440
09	D01.75MED	823191	823191D2	03/22/2010	1511
10	VIBLKMZ	VIBLKMZ	MBEB07F	03/22/2010	1543
11	D01.75HIGH	823192	823192D2	03/22/2010	1614
12	VIBLKMY	VIBLKMY	MBEB08F	03/22/2010	1646
13	D02.0MED	823193	823193D2	03/22/2010	1718
14	VIBLKMZ	VIBLKMZ	MBEB09F	03/22/2010	1749
15	D02.0HIGH	823194	823194D2	03/22/2010	1822
16	VSTD005PM	VSTD005PM	MBE05FC1	03/22/2010	1925
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBJQ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: JAM02PV

BFB Injection Date: 03/23/2010

Instrument ID: J.i

BFB Injection Time: 1405

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 80.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	50.0 - 120.0% of mass 95	75.0
175	5.0 - 9.0% of mass 174	6.1 (8.1)1
176	95.0 - 101.0% of mass 174	72.7 (96.9)1
177	5.0 - 9.0% of mass 176	4.3 (6.0)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	VSTD0.5JQ	VSTD0.5JQ	JAM0005V	03/23/2010	1413
02	VSTD001JQ	VSTD001JQ	JAM001V	03/23/2010	1443
03	VSTD005JQ	VSTD005JQ	JAM005V	03/23/2010	1742
04	VSTD010JQ	VSTD010JQ	JAM010V	03/23/2010	1812
05	VSTD020JQ	VSTD020JQ	JAM020V	03/23/2010	1841
06					
07					
08					
09					
10					
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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.

BFBJR

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Lab File ID: JAM04PV

BFB Injection Date: 03/24/2010

Instrument ID: J.i

BFB Injection Time: 0858

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 80.0% of mass 95	45.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.1 (0.1)1
174	50.0 - 120.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.7 (7.1)1
176	95.0 - 101.0% of mass 174	64.4 (96.5)1
177	5.0 - 9.0% of mass 176	4.4 (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	VSTD005JR	VSTD005JR	JAM005BV	03/24/2010	1006
02	VBLKJR	VBLKJR	JAMB04B	03/24/2010	1200
03	D31.75MED	823198	823198	03/24/2010	1317
04	VIBLKJA	VIBLKJA	JAMB05B	03/24/2010	1346
05	D31.75HIGH	823199	823199	03/24/2010	1416
06	DOCONTROL	823195	823195D2	03/24/2010	1514
07	VIBLKJC	VIBLKJC	JAMB07B	03/24/2010	1544
08	D3CONTROL	823202	823202D2	03/24/2010	1613
09	VIBLKJD	VIBLKJD	JAMB08B	03/24/2010	1642
10	VHBLK01	823204	823204	03/24/2010	1711
11	VSTD005RJ	VSTD005RJ	JAM05BC1	03/24/2010	1740
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLVB Case No.: LASS Mod. Ref No.: SDG No.: 136424
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD#####): VSTD005MO Date Analyzed: 03/21/2010
Lab File ID (Standard): MBE05EV Time Analyzed: 1215
Instrument ID: M.i Heated Purge: (Y/N) N

	IS1 (CBZ)	RT #	IS2 (DFB)	RT #	IS3 (DCB)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	2862264	12.54	3707257	8.90	1417011	15.33
UPPER LIMIT	4007170	12.87	5190160	9.24	1983815	15.66
LOWER LIMIT	1717358	12.21	2224354	8.57	850207	15.00
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKMO	2769383	12.54	3504447	8.90	1337595	15.33
02 D01.5MEDDL	2949097	12.54	3809874	8.90	1456350	15.33
03 D01.5HIGHDL	2629103	12.54	3361535	8.91	1290094	15.33
04 D01.75MEDDL	2601224	12.55	3294588	8.91	1276051	15.33
05 D01.75HIGHDL	2565447	12.54	3251715	8.90	1266137	15.33
06 D02.0MEDDL	2538737	12.54	3208707	8.91	1250702	15.33
07 D02.0HIGHDL	2463111	12.54	3149352	8.91	1223041	15.33
08 D0CONTROLDL	2458809	12.55	3136685	8.91	1221346	15.33
09 D3CONTROLDL	2501986	12.54	3110187	8.90	1236160	15.33
10 D31.5HIGH	2508018	12.54	3176041	8.90	1244209	15.33
11 D31.75MEDDL	2492706	12.54	3164858	8.90	1231517	15.33
12 D31.5MED	2519551	12.55	3178926	8.91	1243324	15.33
13 TRIP BLANK	2511159	12.54	3132538	8.90	1246477	15.33
14 D32.0MED	2477222	12.55	3124146	8.91	1229925	15.33
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
Page 1 of 1

SOM01.2

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.: 136424
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD#####): VSTD005MP Date Analyzed: 03/22/2010
Lab File ID (Standard): MBE05FV Time Analyzed: 0912
Instrument ID: M.i Heated Purge: (Y/N) N

	IS1 (CBZ)		IS2 (DFB)		IS3 (DCB)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	2580482	12.55	3137557	8.90	1348778	15.33
UPPER LIMIT	3612675	12.89	4392580	9.24	1888289	15.67
LOWER LIMIT	1548289	12.22	1882534	8.57	809267	15.00
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKMP	2595027	12.55	3141257	8.91	1323905	15.34
02 D32.0HIGH	2549304	12.55	3189751	8.91	1280376	15.34
03 D31.5MEDDL	2640588	12.55	3239886	8.91	1356780	15.33
04 D01.5MED	2640257	12.54	3046347	8.91	1356388	15.33
05 VIBLKMP	2642305	12.55	3220928	8.91	1395396	15.34
06 D01.5HIGH	2641272	12.55	3223378	8.91	1371196	15.33
07 VIBLKMP	2949788	12.55	3527998	8.91	1528154	15.34
08 D01.75MED	2635781	12.55	3102444	8.91	1397153	15.34
09 VIBLKMP	2645519	12.55	3042056	8.89	1365810	15.34
10 D01.75HIGH	2599965	12.54	2974400	8.89	1354742	15.33
11 VIBLKMP	2638536	12.54	3038419	8.89	1386708	15.33
12 D02.0MED	2589442	12.54	2952676	8.90	1355559	15.33
13 VIBLKMP	2628354	12.54	2982070	8.91	1370951	15.33
14 D02.0HIGH	2603941	12.55	2985626	8.90	1384426	15.33
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

Page 1 of 1

SOM01.2

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.: 136424
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 03/23/2010 03/23/2010
EPA Sample No.(VSTD#####): VSTD005JR Date Analyzed: 03/24/2010
Lab File ID (Standard): JAM005BV Time Analyzed: 1006
Instrument ID: J.i Heated Purge: (Y/N) N

	IS1 (CBZ)		IS2 (DFB)		IS3 (DCB)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	821244	9.06	1189586	5.68	300504	11.90
UPPER LIMIT	1149742	9.40	1665420	6.01	420706	12.23
LOWER LIMIT	492746	8.73	713752	5.35	180302	11.57
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKJR	871743	9.06	1225861	5.68	317734	11.90
02 D31.75MED	785678	9.06	1095072	5.68	299196	11.90
03 VIBLKJA	807956	9.06	1102423	5.68	292860	11.90
04 D31.75HIGH	845326	9.06	1171687	5.68	312815	11.90
05 D0CONTROL	805080	9.06	1121205	5.68	302843	11.90
06 VIBLKJC	820760	9.06	1143650	5.68	307271	11.90
07 D3CONTROL	809836	9.06	1141134	5.68	309363	11.90
08 VIBLKJD	825046	9.06	1140607	5.68	302473	11.90
09 VHBLK01	823204	9.06	1182516	5.68	317660	11.90
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



Supportive Documentation – SOM01.2 Volatiles – Trace

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 3.9

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	2.0	U
74-87-3	Chloromethane	2.0	U
75-01-4	Vinyl chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U
67-64-1	Acetone	18	J
75-15-0	Carbon disulfide	2.0	U
79-20-9	Methyl acetate	2.0	U
75-09-2	Methylene chloride	2.6	U
156-60-5	trans-1,2-Dichloroethene	2.0	U
1634-04-4	Methyl tert-butyl ether	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U
78-93-3	2-Butanone	20	U
74-97-5	Bromochloromethane	2.0	U
67-66-3	Chloroform	2.0	U
71-55-6	1,1,1-Trichloroethane	2.0	U
110-82-7	Cyclohexane	2.0	U
56-23-5	Carbon tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	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.

D01.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 3.9

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	380	E
108-87-2	Methylcyclohexane	2.0	U
78-87-5	1,2-Dichloropropane	2.0	U
75-27-4	Bromodichloromethane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-10-1	4-Methyl-2-pentanone	20	U
108-88-3	Toluene	2.0	U
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene	4.8	
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
95-47-6	o-Xylene	2.0	U
179601-23-1	m,p-Xylene	2.0	U
100-42-5	Styrene	2.0	U
75-25-2	Bromoform	2.0	U
98-82-8	Isopropylbenzene	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D01.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 3.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

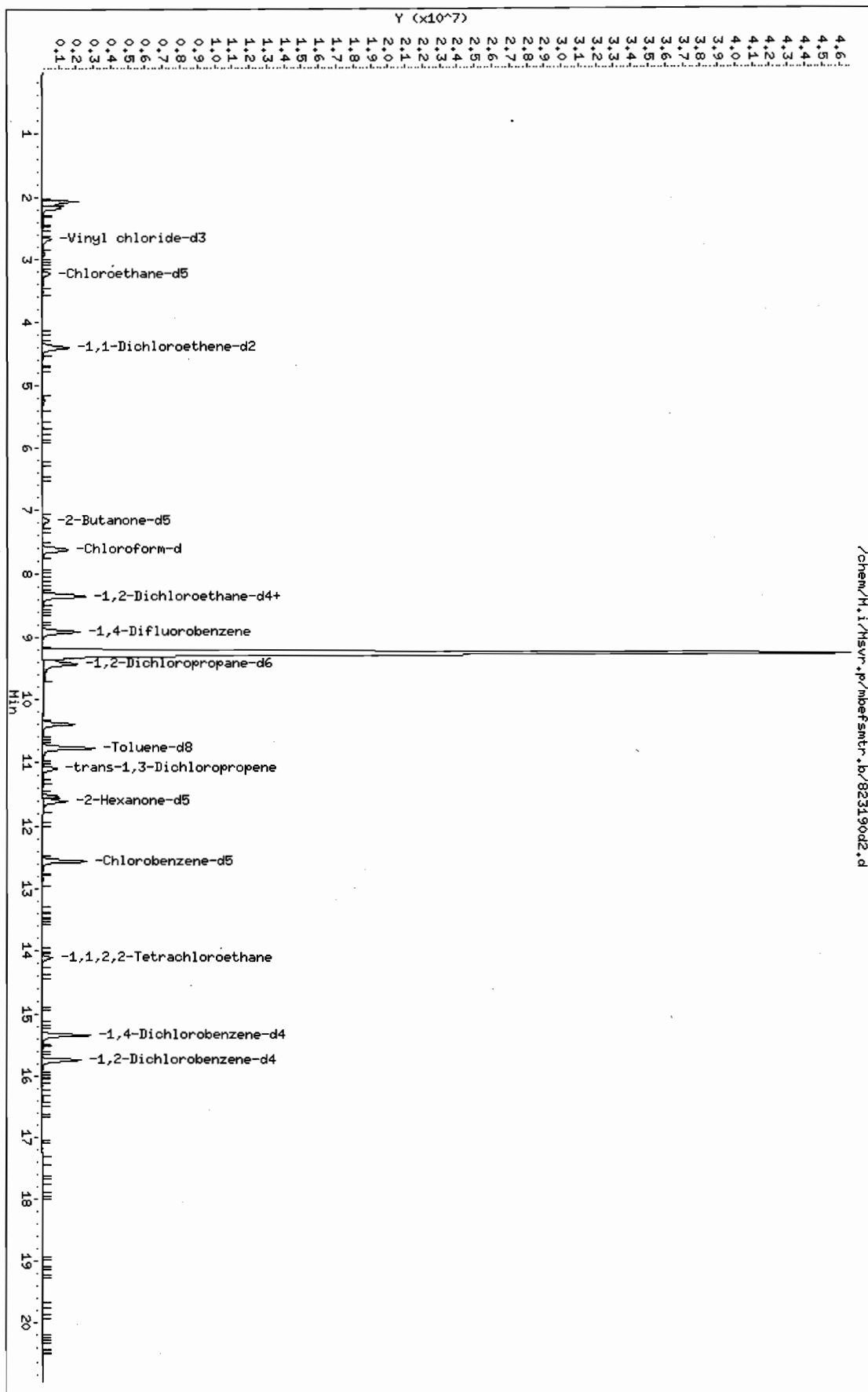
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	15	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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20					
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22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeFsmt.r.b/823190d2.d
Date: 22-MAR-2010 14:08
Client ID: D01.SHIGH
Sample Info: D=0 1.5% HIGH : L 103/17/10 81110(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HKV
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823190d2.d
Report Date: 25-Mar-2010 10:40

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823190d2.d
Lab Smp Id: 823190 Client Smp ID: D01.5HIGH
Inj Date : 22-MAR-2010 14:08
Operator : MRV Inst ID: M.i
Smp Info : D=0 1.5% HIGH :[]03/17/10 @1110(WATER)
Misc Info : 823190,032210MP,3.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 13
Dil Factor: 3.90000
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	3.90000	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	2.668	2.665	(0.300)	1302814	5.15881	5.2
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.232	3.219	(0.363)	1093219	5.17171	5.2
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.398	4.396	(0.494)	2557339	4.22843	4.2
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43	4.557	4.544	(0.512)	38327	4.49733	18 (a)
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	5.229	5.226	(0.587)	101829	0.65994	2.6
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	7.157	7.164	(0.804)	1090519	66.9389	67
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	7.622	7.619	(0.856)	2416408	5.55899	5.6 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.334	8.331	(0.936)	708572	6.20098	6.2 (Q)
\$ 29 Benzene-d6	84	8.344	8.341	(0.665)	3352723	4.95423	5.0
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.907	8.905	(1.000)	3223378	5.00000	
33 Trichloroethene	95	9.244	9.241	(0.737)	32285218	97.0846	380 (A)
\$ 34 1,2-Dichloropropane-d6	67	9.422	9.419	(0.751)	1592625	4.84476	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	10.776	10.774	(0.859)	3725536	5.05475	5.1
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	11.093	11.090	(0.884)	911902	5.29150	5.3
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	11.528	11.525	(0.919)	396195	1.22325	4.8
\$ 46 2-Hexanone-d5	63	11.597	11.594	(0.924)	1159152	57.0184	57
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	12.546	12.553	(1.000)	2641272	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.109	14.116	(1.125)	657565	5.27241	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	15.335	15.332	(1.000)	1371196	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.740	15.737	(1.026)	1036477	4.58548	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823190d2.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823190d2.d
Lab Smp Id: 823190 Client Smp ID: D01.5HIGH
Inj Date : 22-MAR-2010 14:08
Operator : MRV Inst ID: M.i
Smp Info : D=0 1.5% HIGH :[]03/17/10 @1110(WATER)
Misc Info : 823190,032210MP,3.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 13
Dil Factor: 3.90000
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	3.90000	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	8.907	8166389	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
10.401	6312767	3.86509058	15	0		0	32

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823190d2.d

Page 6

Date : 22-MAR-2010 14:08

Client ID: D01,5HIGH

Instrument: M.i

Sample Info: D=0 1.5% HIGH ;I 103/17/10 @1110(WATER)

Purge Volume: 25.0

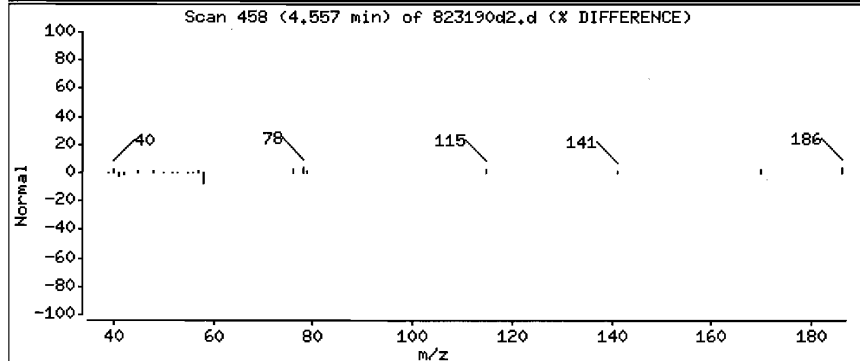
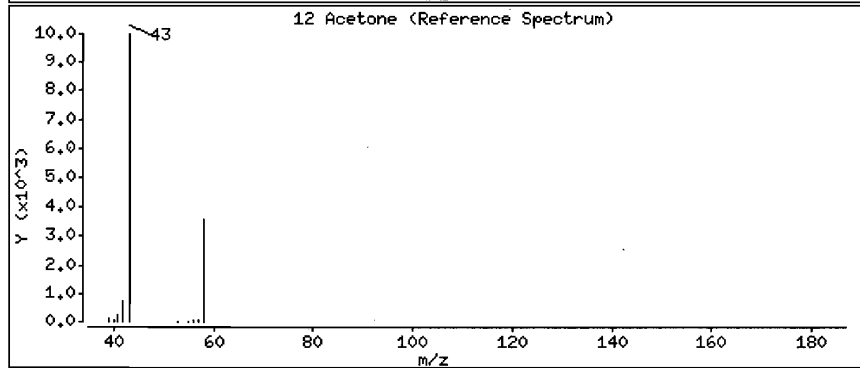
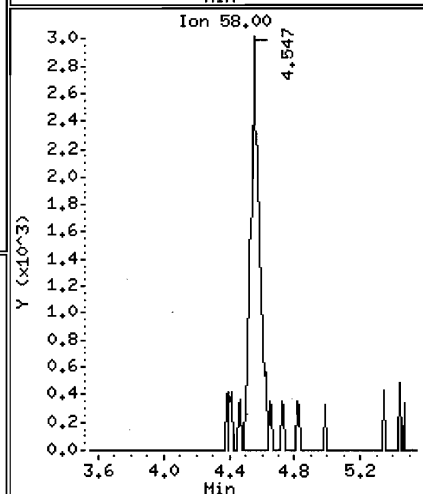
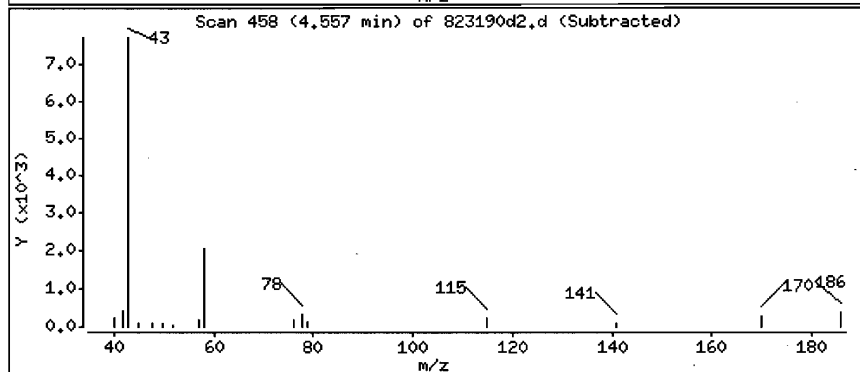
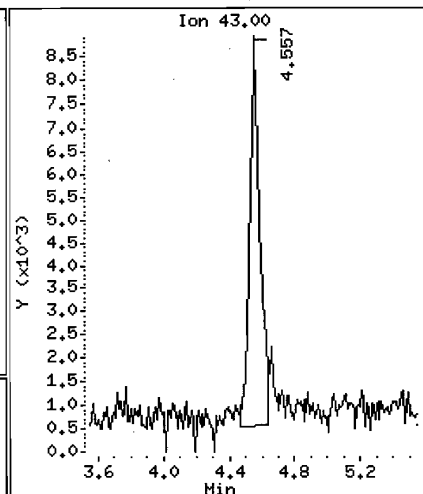
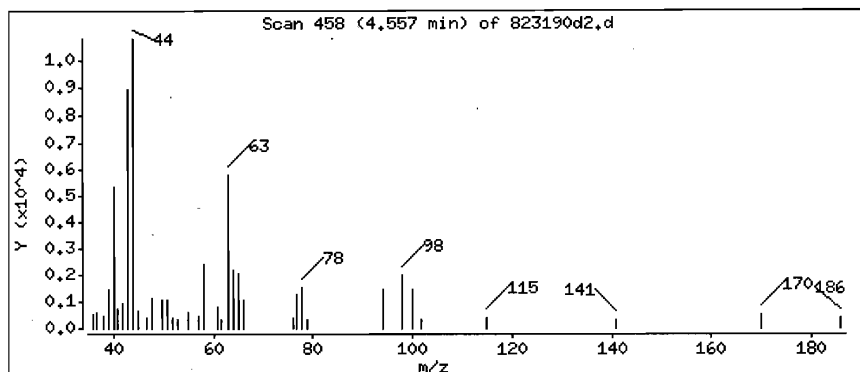
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 18 ug/L



Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/823190d2.d

Page 7

Date : 22-MAR-2010 14:08

Client ID: D01.5HIGH

Instrument: M.i

Sample Info: D=0 1.5% HIGH ;I 103/17/10 @1110(WATER)

Purge Volume: 25.0

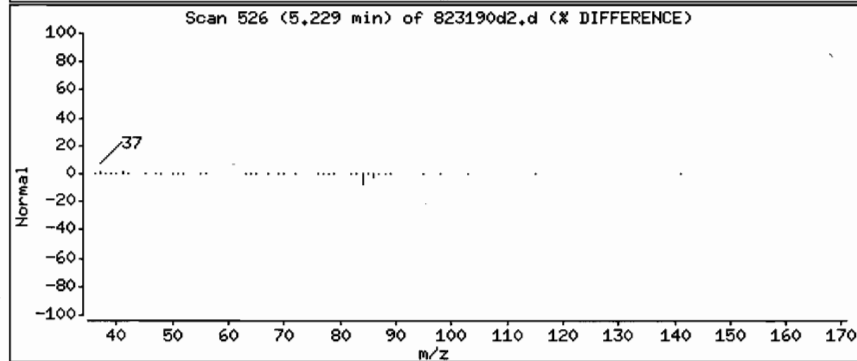
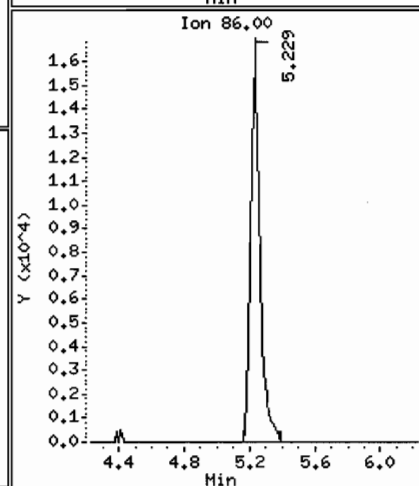
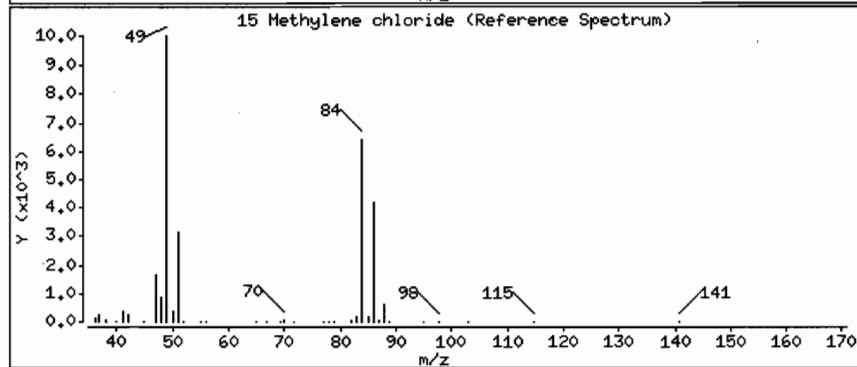
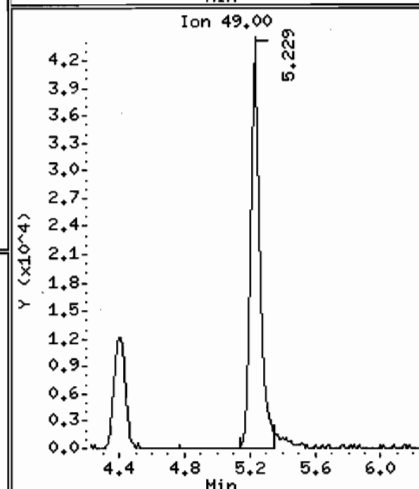
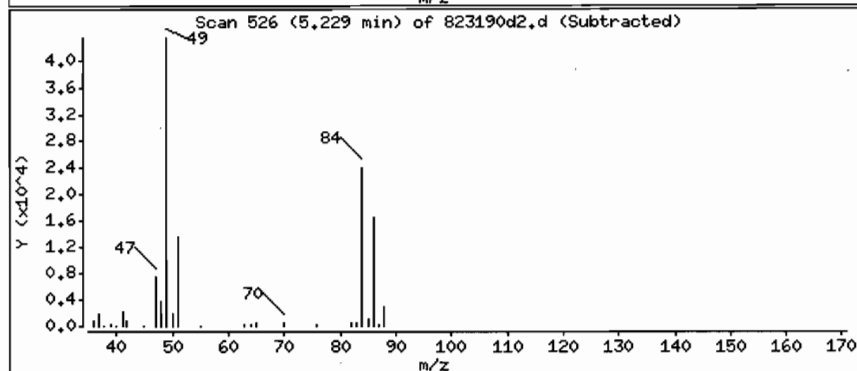
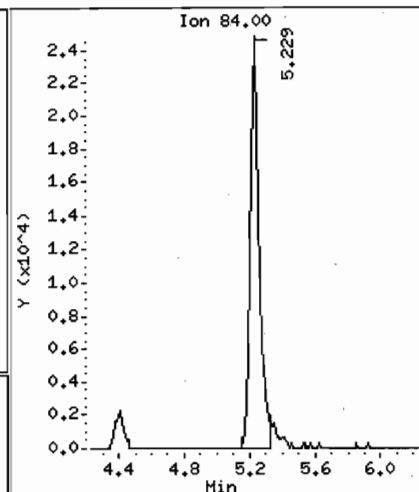
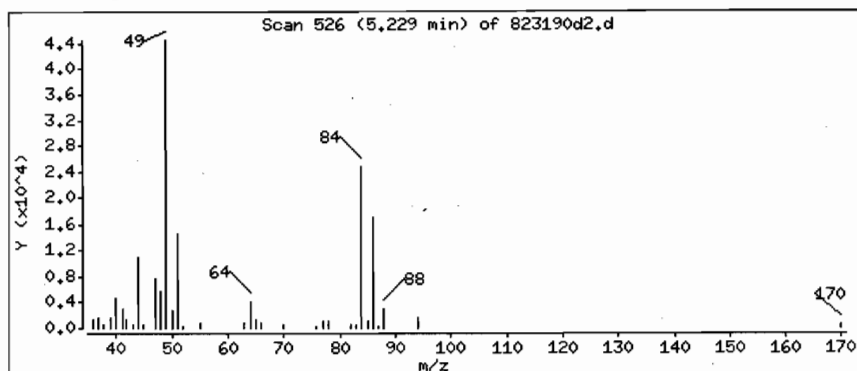
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 2.6 ug/L



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823190d2.d

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Date : 22-MAR-2010 14:08

Client ID: D01.5HIGH

Instrument: M.i

Sample Info: D=0 1.5% HIGH :I 103/17/10 @1110(WATER)

Purge Volume: 25.0

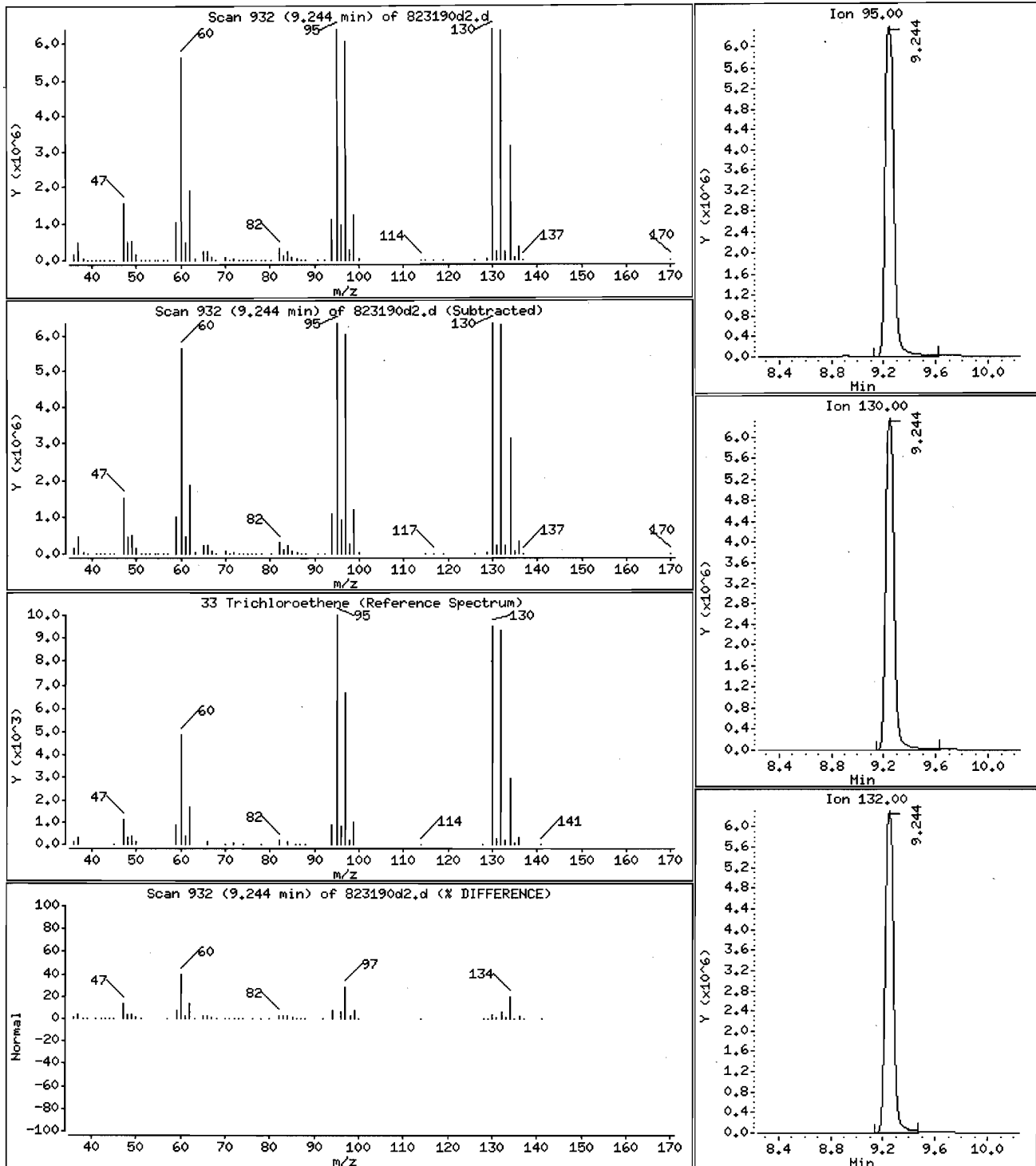
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 380 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823190d2.d

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Date : 22-MAR-2010 14:08

Client ID: D01.5HIGH

Instrument: M.i

Sample Info: D=0 1.5% HIGH ;[J03/17/10 @1110(WATER)

Purge Volume: 25.0

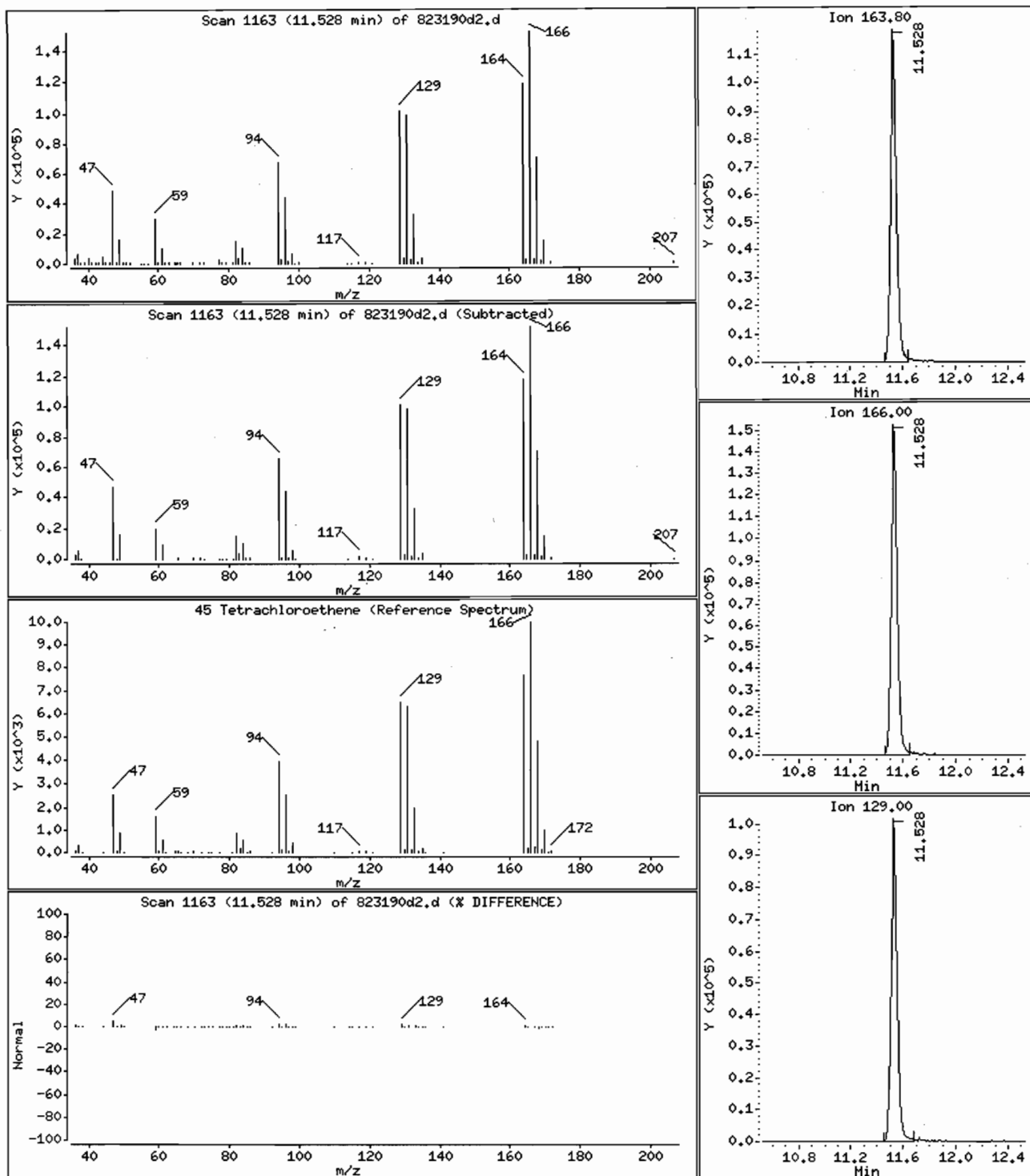
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 4.8 ug/L



Date: 22-MAR-2010 14:08

Client ID: D01.5HIGH

Instrument: M.i

Sample Info: D=0 1.5% HIGH :[103/17/10 @1110(WATER)

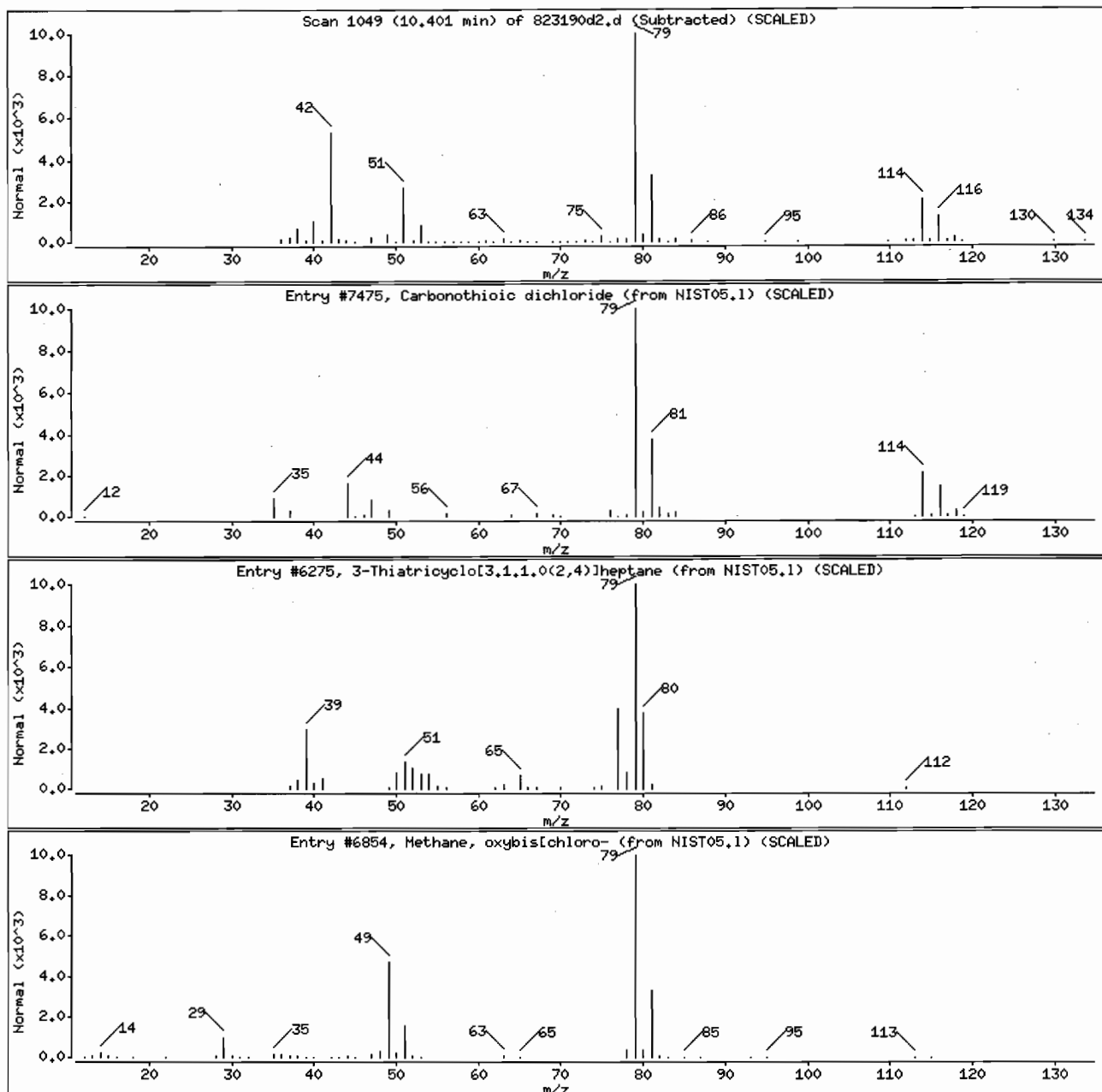
Purge Volume: 25.0

Operator: MRV

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 44.0

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	22	U
74-87-3	Chloromethane	22	U
75-01-4	Vinyl chloride	22	U
74-83-9	Bromomethane	22	U
75-00-3	Chloroethane	22	U
75-69-4	Trichlorofluoromethane	22	U
75-35-4	1,1-Dichloroethene	22	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U
67-64-1	Acetone	220	U
75-15-0	Carbon disulfide	22	U
79-20-9	Methyl acetate	22	U
75-09-2	Methylene chloride	22	U
156-60-5	trans-1,2-Dichloroethene	22	U
1634-04-4	Methyl tert-butyl ether	22	U
75-34-3	1,1-Dichloroethane	22	U
156-59-2	cis-1,2-Dichloroethene	22	U
78-93-3	2-Butanone	220	U
74-97-5	Bromochloromethane	22	U
67-66-3	Chloroform	22	U
71-55-6	1,1,1-Trichloroethane	22	U
110-82-7	Cyclohexane	22	U
56-23-5	Carbon tetrachloride	22	U
71-43-2	Benzene	22	U
107-06-2	1,2-Dichloroethane	22	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.

D01.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823190D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823190D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 44.0

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	480	D
108-87-2	Methylcyclohexane	22	U
78-87-5	1,2-Dichloropropane	22	U
75-27-4	Bromodichloromethane	22	U
10061-01-5	cis-1,3-Dichloropropene	22	U
108-10-1	4-Methyl-2-pentanone	220	U
108-88-3	Toluene	22	U
10061-02-6	trans-1,3-Dichloropropene	22	U
79-00-5	1,1,2-Trichloroethane	22	U
127-18-4	Tetrachloroethene	22	U
591-78-6	2-Hexanone	220	U
124-48-1	Dibromochloromethane	22	U
106-93-4	1,2-Dibromoethane	22	U
108-90-7	Chlorobenzene	22	U
100-41-4	Ethylbenzene	22	U
95-47-6	o-Xylene	22	U
179601-23-1	m,p-Xylene	22	U
100-42-5	Styrene	22	U
75-25-2	Bromoform	22	U
98-82-8	Isopropylbenzene	22	U
79-34-5	1,1,2,2-Tetrachloroethane	22	U
541-73-1	1,3-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
95-50-1	1,2-Dichlorobenzene	22	U
96-12-8	1,2-Dibromo-3-chloropropane	22	U
120-82-1	1,2,4-Trichlorobenzene	22	U
87-61-6	1,2,3-Trichlorobenzene	22	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D01.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823190D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823190D
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 44.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

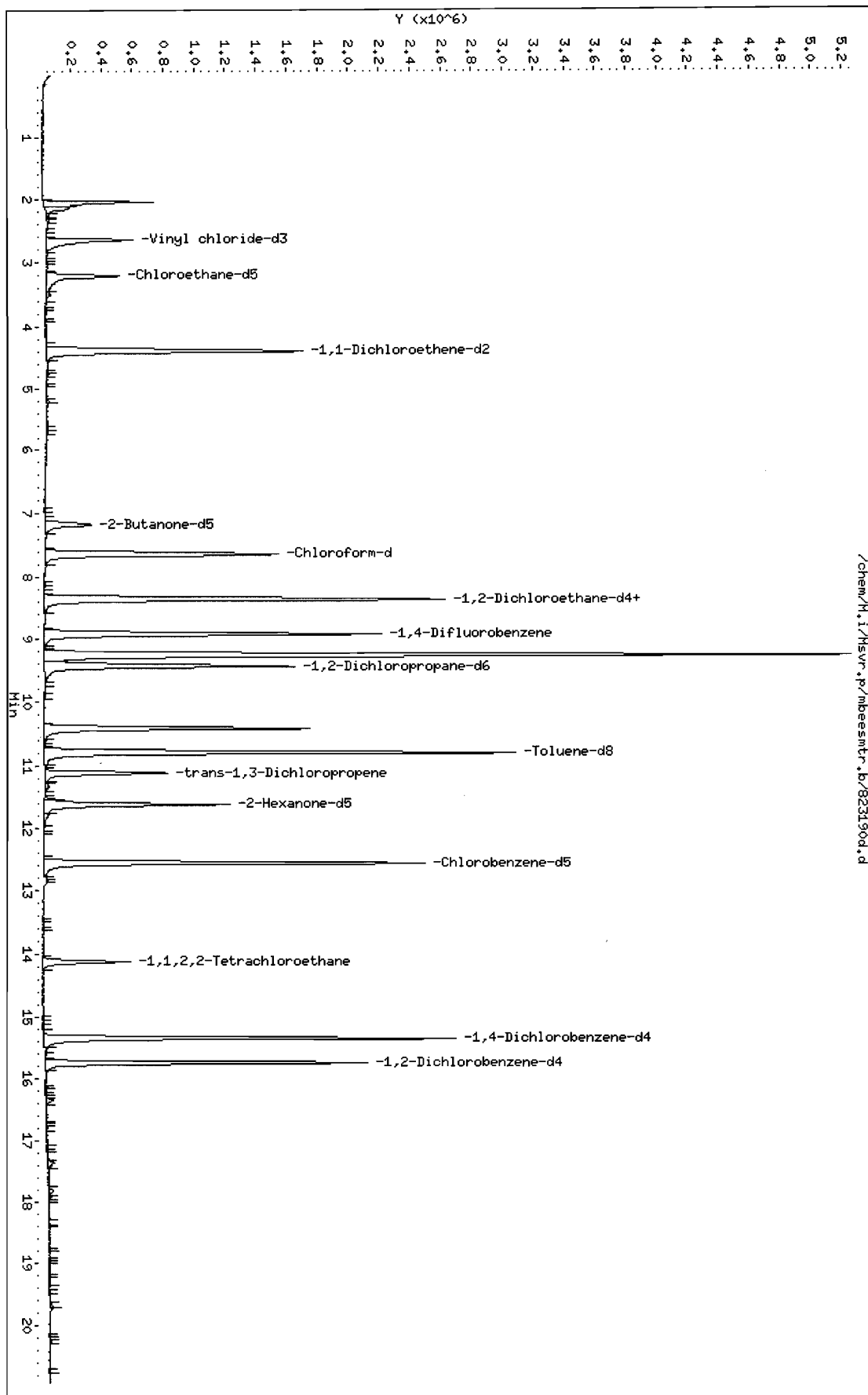
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.39	160	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr,p/mbeesmr,b/823190d.d
Date : 21-MAR-2010 14:02
Client ID: D01.BMICHDL
Sample Info: D=0 1.5% HIGH : (103/17/10 0110(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823190d.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823190d.d
Lab Smp Id: 823190D1 Client Smp ID: D01.5HIGHDL
Inj Date : 21-MAR-2010 14:02
Operator : JPl Inst ID: M.i
Smp Info : D=0 1.5% HIGH :[]03/17/10 @1110(WATER)
Misc Info : 823190,032110MO,44,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 2
Dil Factor: 44.00000
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	44.00000	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			RESPONSE	CONCENTRATIONS	
					ON-COLUMN	FINAL
	MASS	RT	EXP RT REL RT		(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====
1 Dichlorodifluoromethane	85			Compound Not Detected.		
2 Chloromethane	50			Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.662	2.663 (0.299)	1434010	5.44494	5.4 (a)
4 Vinyl chloride	62			Compound Not Detected.		
5 Bromomethane	94			Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.215	3.216 (0.361)	1162622	5.27399	5.3 (a)
7 Chloroethane	64			Compound Not Detected.		
8 Trichlorofluoromethane	101			Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.392	4.393 (0.493)	2785028	4.41565	4.4 (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	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	7.161	7.152	(0.804)	924426	54.4115	54 (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	7.616	7.617	(0.855)	2428539	5.35728	5.4 (aQ)
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	8.328	8.329	(0.935)	703407	5.90278	5.9 (aQ)
\$ 29 Benzene-d6	84	8.337	8.339	(0.665)	3562998	5.28931	5.3 (a)
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.911	8.902	(1.000)	3361535	5.00000	
33 Trichloroethene	95	9.237	9.238	(0.737)	3574924	10.7999	480
\$ 34 1,2-Dichloropropane-d6	67	9.425	9.416	(0.752)	1558567	4.76310	4.8 (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	10.770	10.771	(0.859)	3774959	5.14551	5.1 (a)
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.096	11.088	(0.885)	843913	4.91964	4.9 (a)
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.601	11.592	(0.925)	988806	48.8643	49 (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	12.540	12.541	(1.000)	2629103	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.102	14.103	(1.125)	598669	4.82239	4.8 (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	15.328	15.330	(1.000)	1290094	5.00000	(Q)
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.734	15.725	(1.026)	984761	4.63056	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).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823190d.d
Lab Smp Id: 823190D1 Client Smp ID: D01.5HIGHDL
Inj Date : 21-MAR-2010 14:02
Operator : JP1 Inst ID: M.i
Smp Info : D=0 1.5% HIGH : []03/17/10 @1110(WATER)
Misc Info : 823190,032110MO,44,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 2
Dil Factor: 44.00000
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	44.00000	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	8.911	8374955	5.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
10.394	6060672	3.61833069	160	0		0	32

Data File: /chem/M.i/Msvr.p/mbeesmr.b/823190d.d

Page 6

Date : 21-MAR-2010 14:02

Client ID: D01.5HIGHDL

Instrument: M.i

Sample Info: D=0 1.5% HIGH :[103/17/10 @1110(WATER)

Purge Volume: 25.0

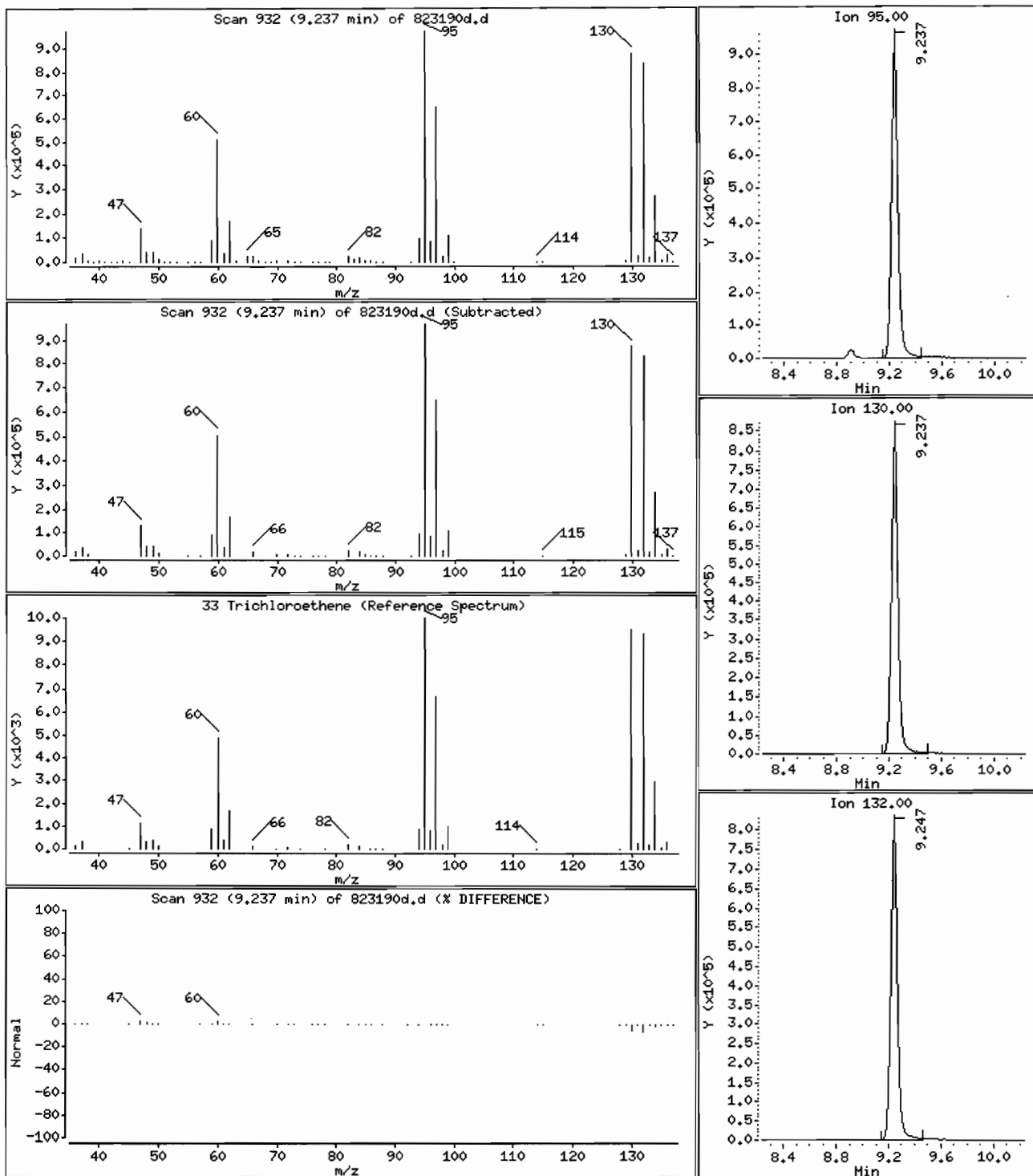
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 480 ug/L



Date : 21-MAR-2010 14:02

Client ID: D01.5HIGHDL

Instrument: M.i

Sample Info: D=0 1.5% HIGH :[103/17/10 @1110(WATER >

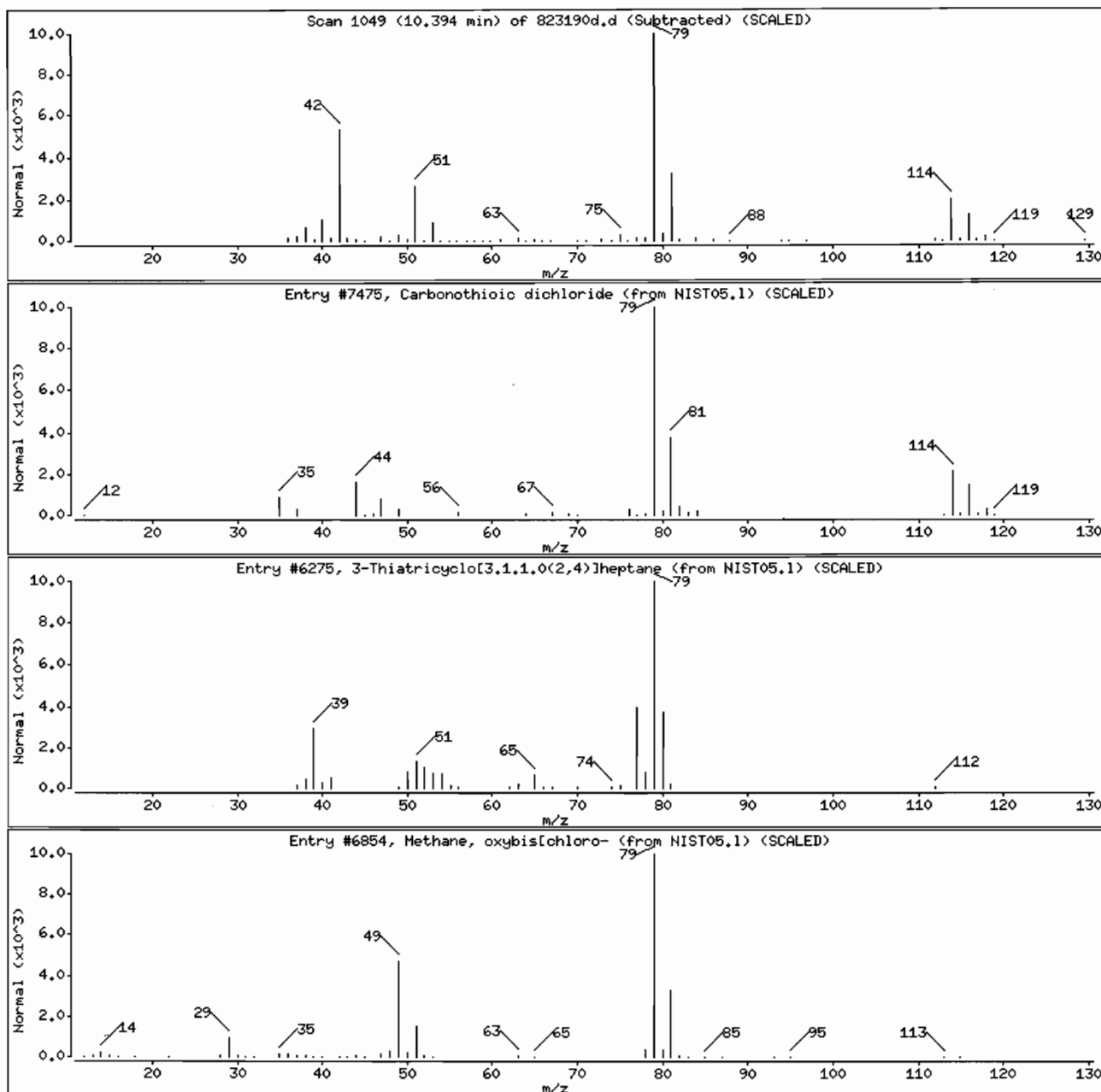
Purge Volume: 25.0

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	50	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.9

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	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	17	J
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	2.8	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	1.1	J
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	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.

D01.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.9

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	490	E
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	5.1	
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D01.5MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823189
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823189D2
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/22/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 4.9
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

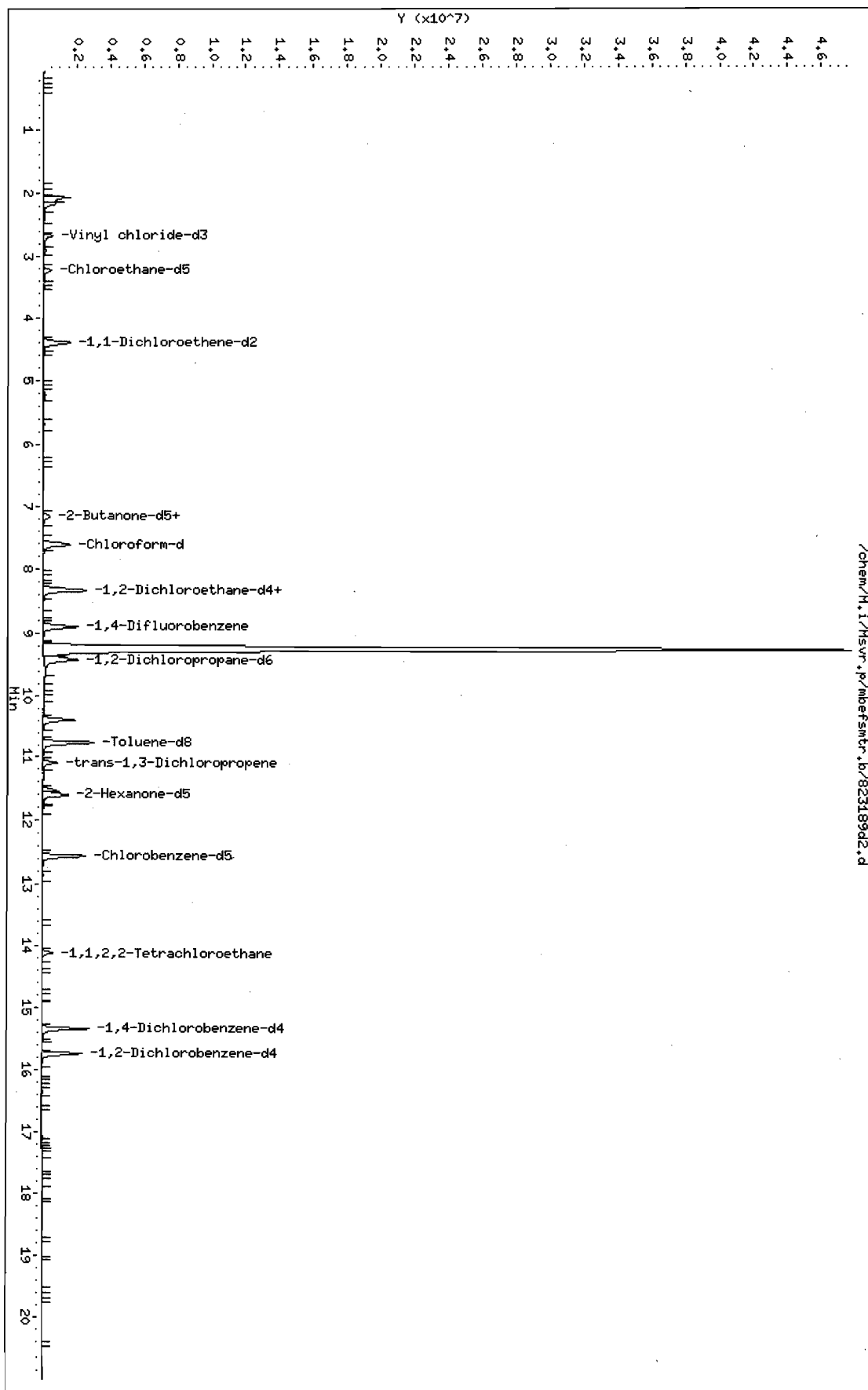
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	21	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsivr.p/mbe/smr.b/823189d2.d
Date: 22-MAR-2010 13:05
Client ID: D01.SMED
Sample Info: D=0 1.5% MEDIUM : [103/17/10 01100(WATER)]
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HRV
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823189d2.d
Report Date: 25-Mar-2010 10:39

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823189d2.d
Lab Smp Id: 823189 Client Smp ID: D01.5MED
Inj Date : 22-MAR-2010 13:05
Operator : MRV Inst ID: M.i
Smp Info : D=0 1.5% MEDIUM : [] 03/17/10 @1100(WATER)
Misc Info : 823189,032210MP,4.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 11
Dil Factor: 4.90000
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	4.90000	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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.667	2.665	(0.299)	1349116	5.65260	5.7
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.230	3.219	(0.363)	1106134	5.53690	5.5
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.397	4.396	(0.494)	2662171	4.65757	4.7
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43	4.555	4.544	(0.511)	27475	3.41130	17(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	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
15 Methylene chloride		84	5.228	5.226	(0.587)	84215	0.57750	2.8
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	7.166	7.164	(0.805)	1146701	74.4778	74
20 cis-1,2-Dichloroethene		96	7.186	7.184	(0.807)	46293	0.22550	1.1(a)
21 2-Butanone		43	Compound Not Detected.					
22 Bromochloromethane		128	Compound Not Detected.					
\$ 23 Chloroform-d		84	7.621	7.619	(0.856)	2490530	6.06247	6.1(QR)
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	8.333	8.331	(0.936)	731248	6.77131	6.8(QR)
\$ 29 Benzene-d6		84	8.342	8.341	(0.665)	3432188	5.07360	5.1
30 Benzene		78	Compound Not Detected.					
31 1,2-Dichloroethane		62	Compound Not Detected.					
* 32 1,4-Difluorobenzene		114	8.906	8.905	(1.000)	3046347	5.00000	
33 Trichloroethene		95	9.242	9.241	(0.737)	33130830	99.6657	490(A)
\$ 34 1,2-Dichloropropane-d6		67	9.420	9.419	(0.751)	1644579	5.00472	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	10.775	10.774	(0.859)	3771770	5.11945	5.1
41 Toluene		91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4		79	11.091	11.090	(0.884)	926302	5.37712	5.4
43 trans-1,3-Dichloropropene		75	Compound Not Detected.					
44 1,1,2-Trichloroethane		97	Compound Not Detected.					
45 Tetrachloroethene		164	11.526	11.525	(0.919)	336582	1.03960	5.1
\$ 46 2-Hexanone-d5		63	11.606	11.594	(0.925)	1191785	58.6462	59
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	12.545	12.553	(1.000)	2640257	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		172	Compound Not Detected.					
57 Isopropylbenzene		105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.117	14.116	(1.125)	672900	5.39744	5.4
59 1,1,2,2-Tetrachloroethane		83	Compound Not Detected.					
60 1,3-Dichlorobenzene		146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4		152	15.333	15.332	(1.000)	1356388	5.00000	
62 1,4-Dichlorobenzene		146	Compound Not Detected.					

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.739	15.737	(1.026)		1077747	4.82011	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	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/M.i/Msvr.p/mbefsmtr.b/823189d2.d
Lab Smp Id: 823189 Client Smp ID: D01.5MED
Inj Date : 22-MAR-2010 13:05
Operator : MRV Inst ID: M.i
Smp Info : D=0 1.5% MEDIUM : [] 03/17/10 @1100(WATER)
Misc Info : 823189,032210MP,4.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 11
Dil Factor: 4.90000
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	4.90000	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	8.906	7808298	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown							
10.399	6552949	4.19614382	21	0		0	32

CAS #:

Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823189d2.d

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Date : 22-MAR-2010 13:05

Client ID: D01.5HED

Instrument: M.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

Purge Volume: 25.0

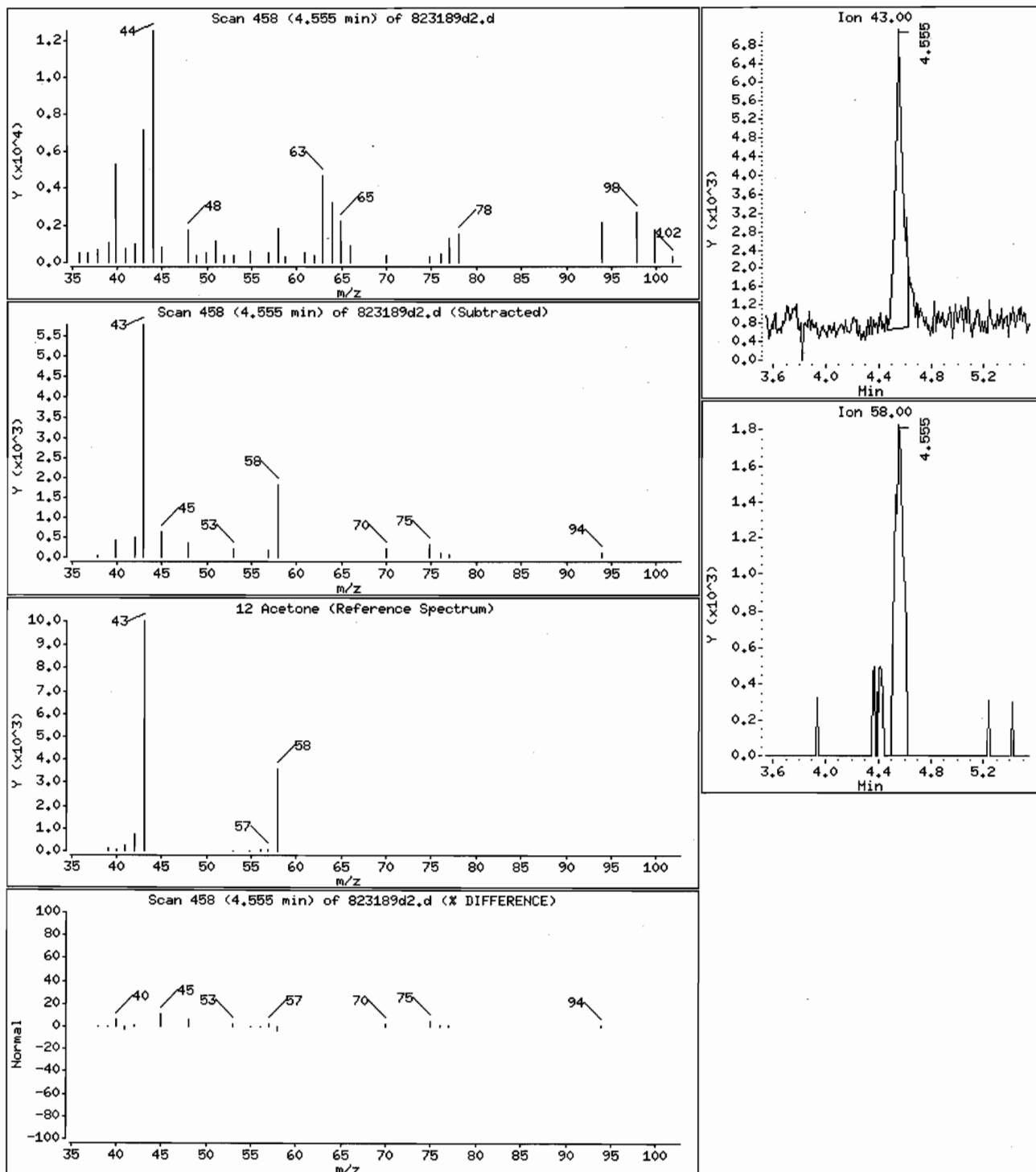
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 17 ug/L



Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/823189d2.d

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Date : 22-MAR-2010 13:05

Client ID: D01,5HED

Instrument: M.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

Purge Volume: 25.0

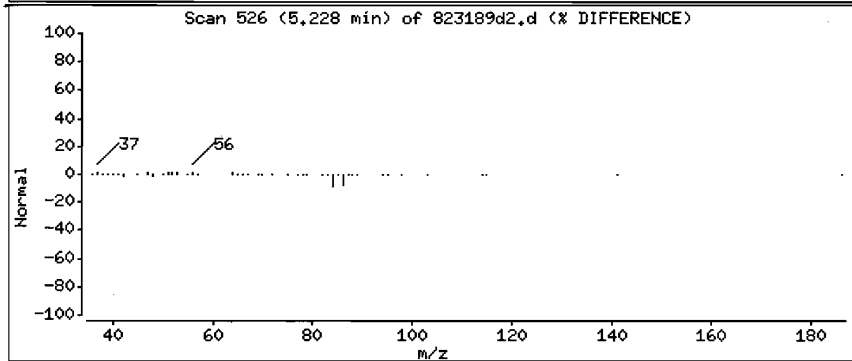
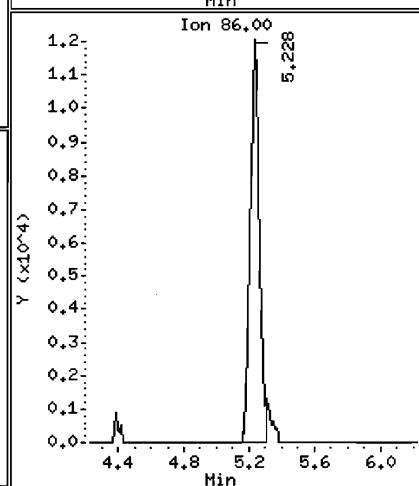
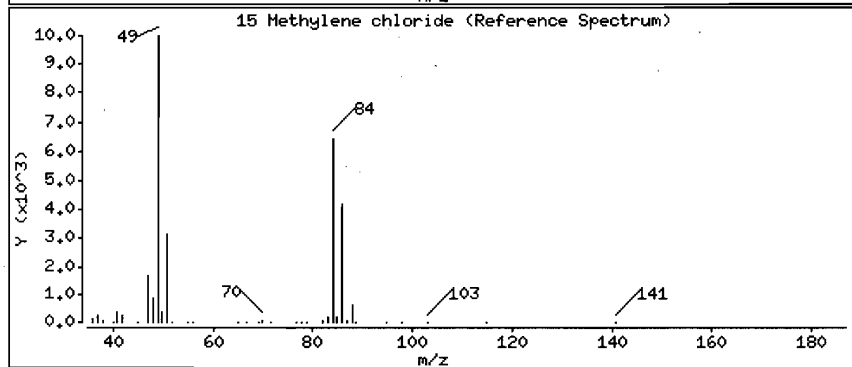
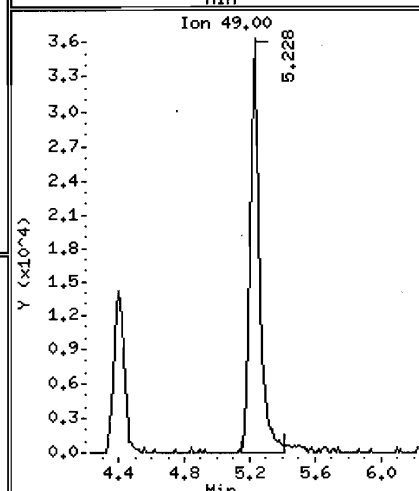
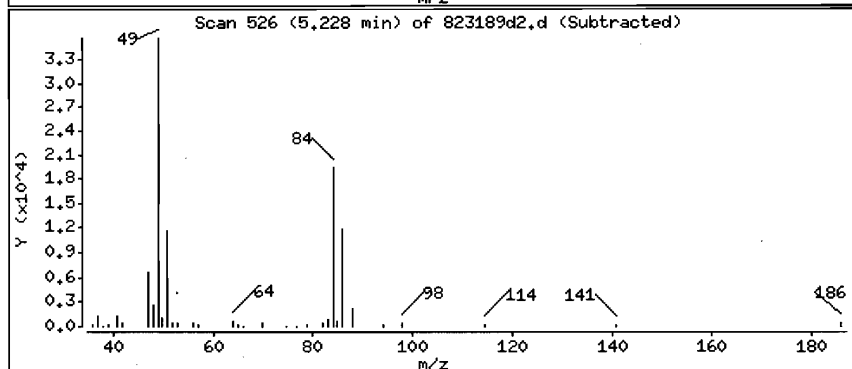
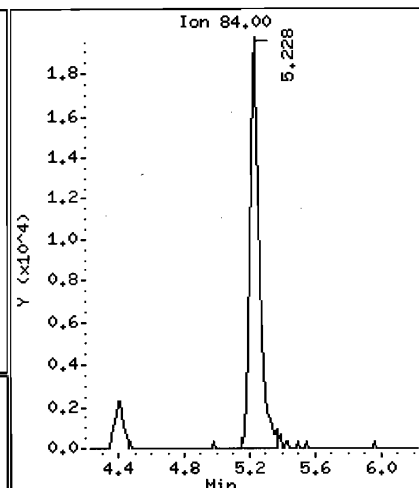
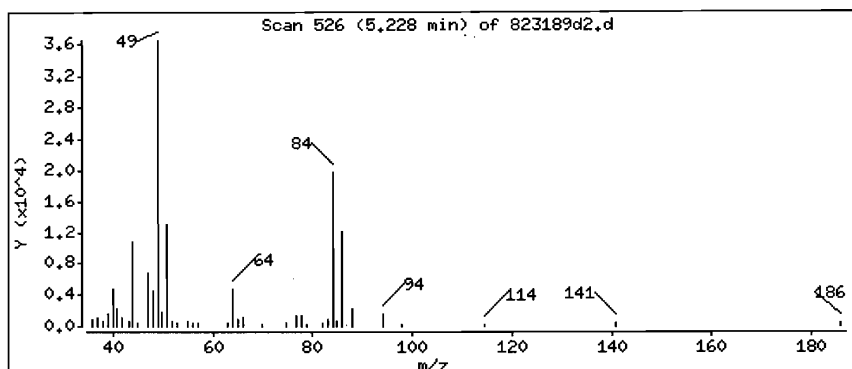
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 2.8 ug/L



Data File: /chem/H.i/Hsvr.p/mbefsmtr,b/823189d2.d

Page 8

Date : 22-MAR-2010 13:05

Client ID: D01.5MED

Instrument: M.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

Purge Volume: 25.0

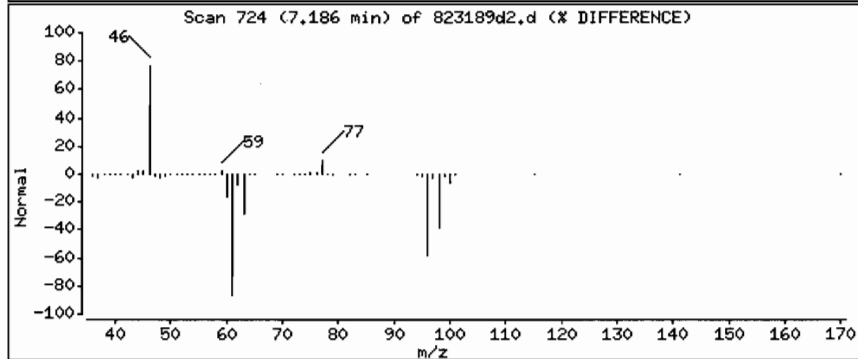
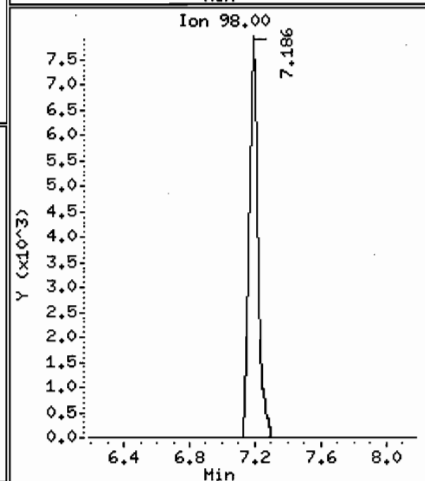
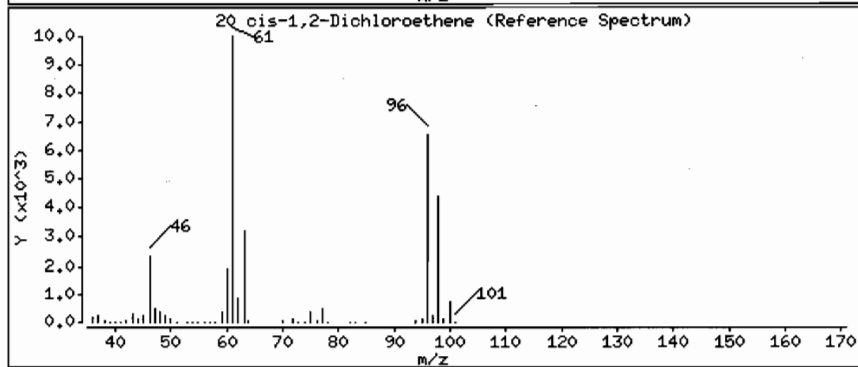
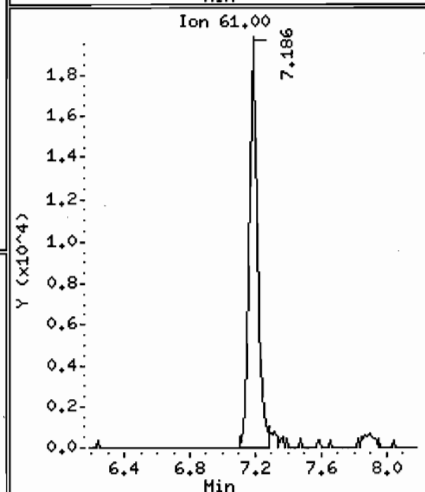
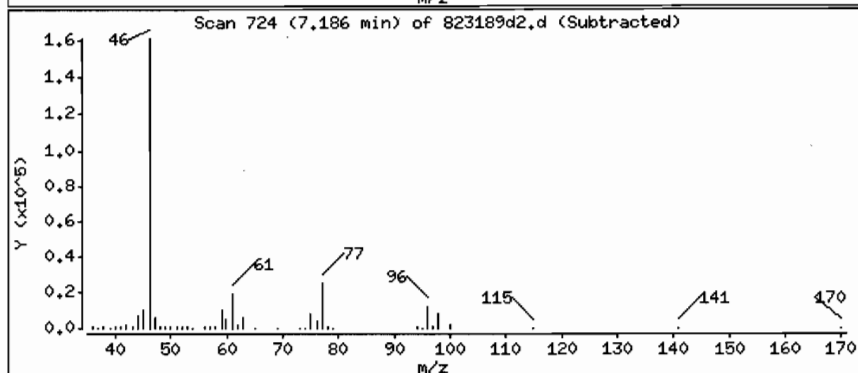
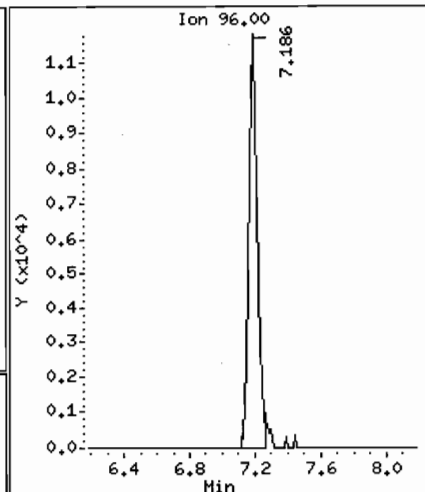
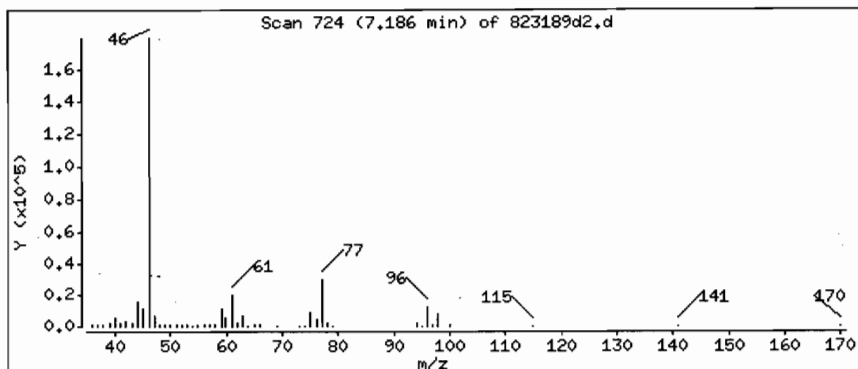
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

20 cis-1,2-Dichloroethene

Concentration: 1.1 ug/L



Data File: /chem/M.i/Hsvr.p/mbeftsmtr.b/823189d2.d

Page 9

Date : 22-MAR-2010 13:05

Client ID: D01.5MED

Instrument: M.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

Purge Volume: 25.0

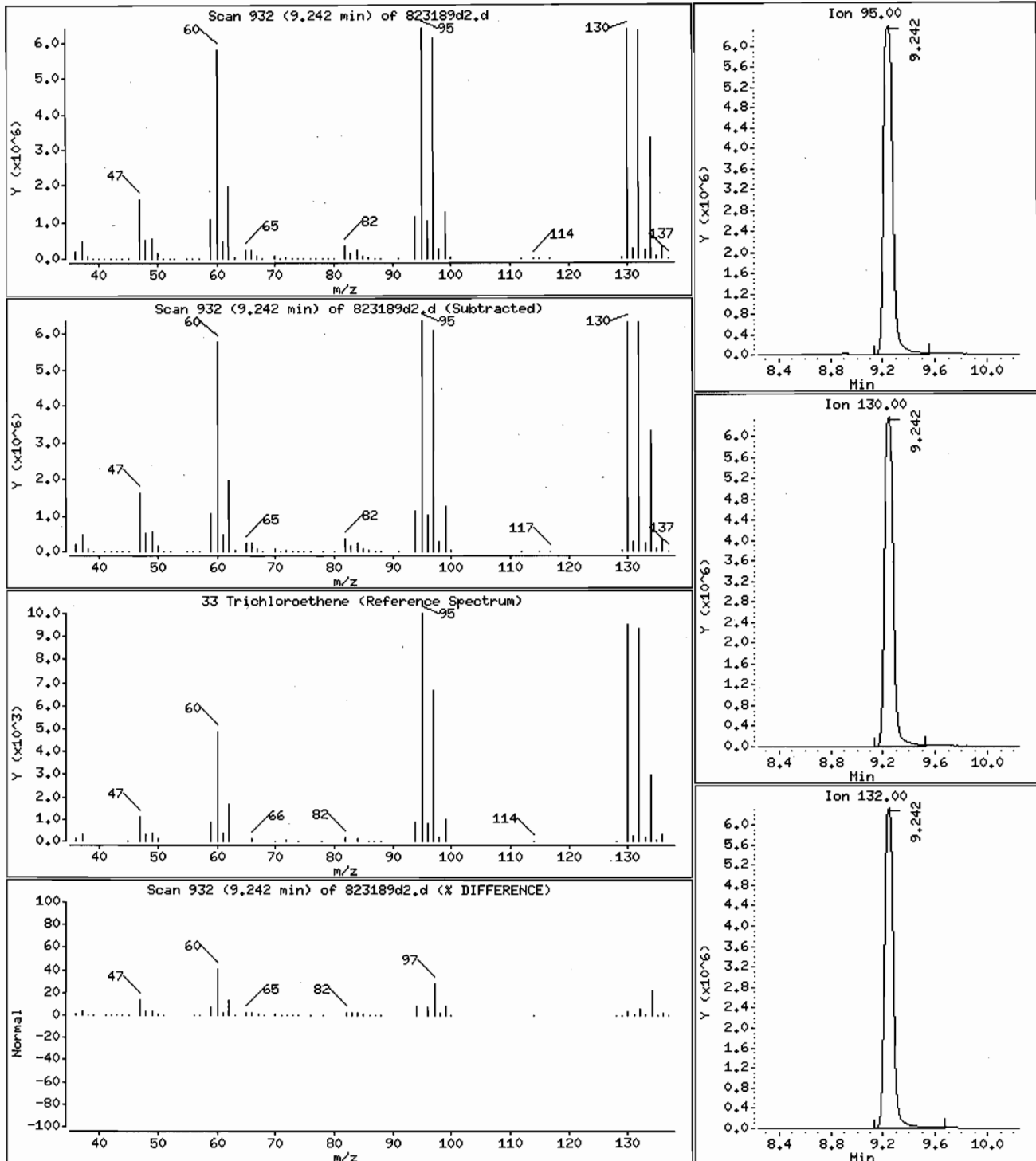
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 490 ug/L



Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/823189d2.d

Page 10

Date : 22-MAR-2010 13:05

Client ID: D015MED

Instrument: M.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

Purge Volume: 25.0

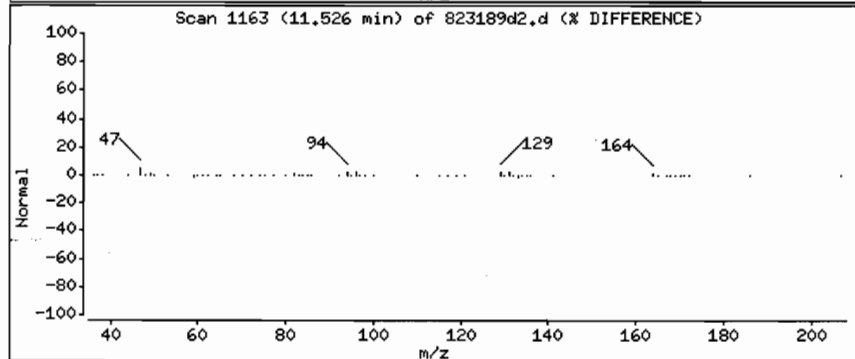
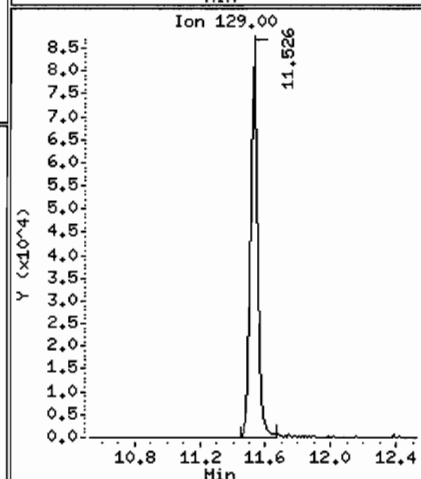
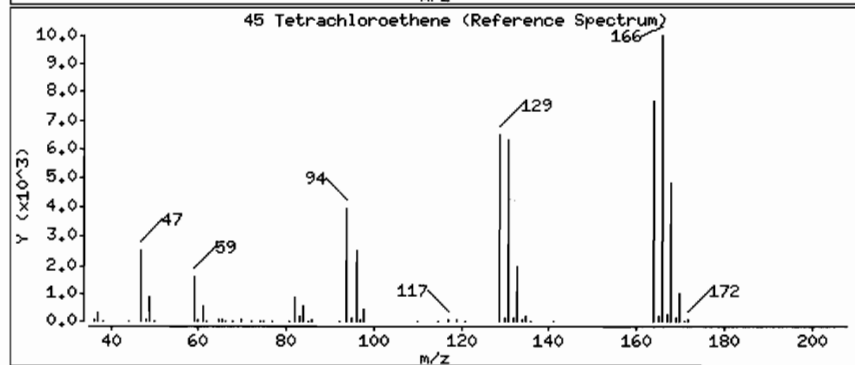
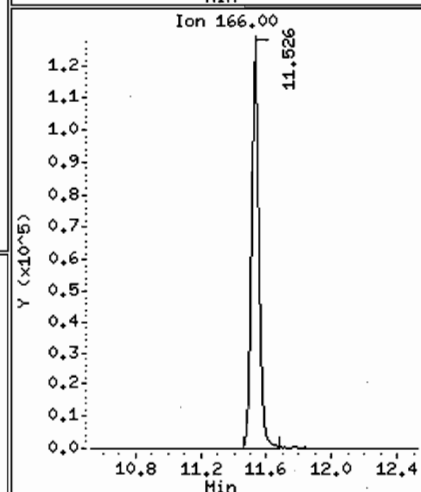
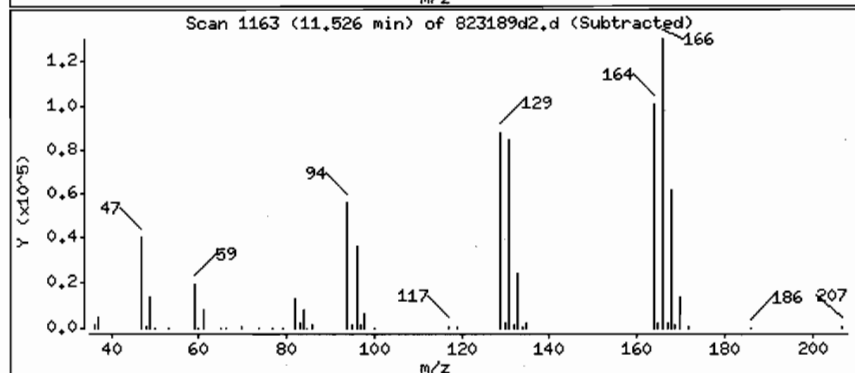
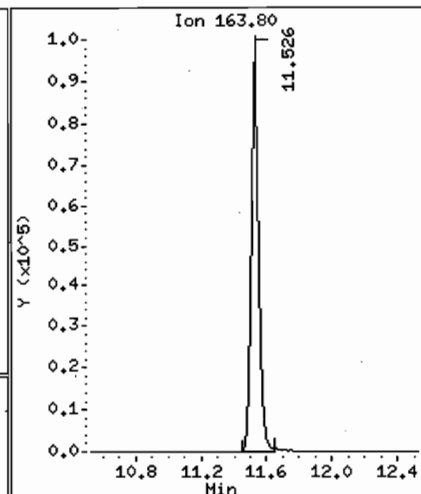
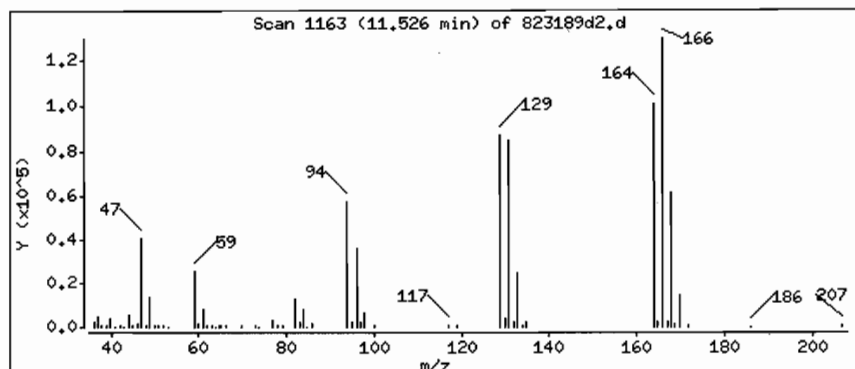
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 5.1 ug/L



Date : 22-MAR-2010 13:05

Client ID: D01.5MED

Instrument: H.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

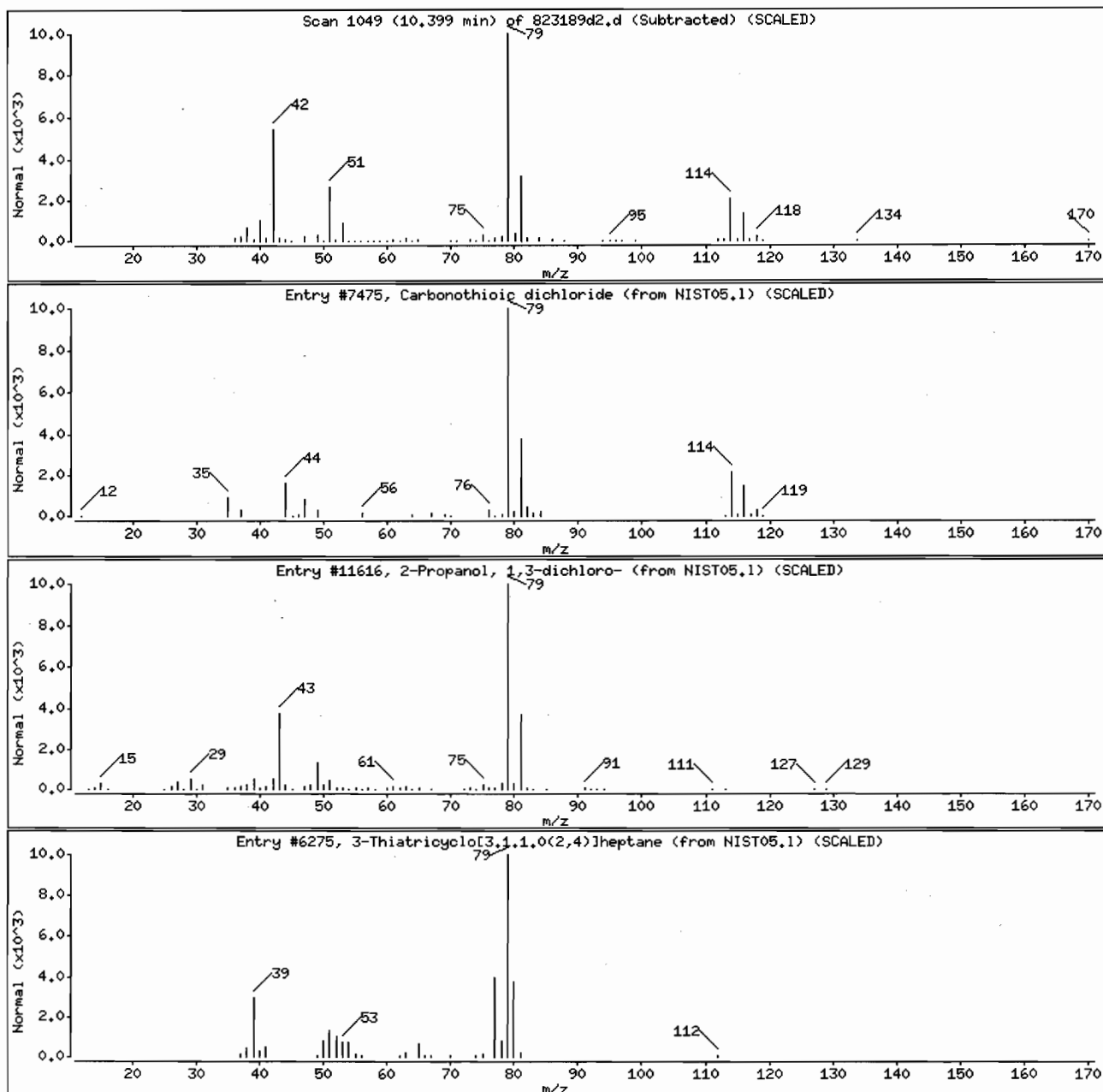
Purge Volume: 25.0

Operator: HRV

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	50	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 56.4

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	28	U
74-87-3	Chloromethane	28	U
75-01-4	Vinyl chloride	28	U
74-83-9	Bromomethane	28	U
75-00-3	Chloroethane	28	U
75-69-4	Trichlorofluoromethane	28	U
75-35-4	1,1-Dichloroethene	28	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28	U
67-64-1	Acetone	280	U
75-15-0	Carbon disulfide	28	U
79-20-9	Methyl acetate	28	U
75-09-2	Methylene chloride	28	U
156-60-5	trans-1,2-Dichloroethene	28	U
1634-04-4	Methyl tert-butyl ether	28	U
75-34-3	1,1-Dichloroethane	28	U
156-59-2	cis-1,2-Dichloroethene	28	U
78-93-3	2-Butanone	280	U
74-97-5	Bromochloromethane	28	U
67-66-3	Chloroform	28	U
71-55-6	1,1,1-Trichloroethane	28	U
110-82-7	Cyclohexane	28	U
56-23-5	Carbon tetrachloride	28	U
71-43-2	Benzene	28	U
107-06-2	1,2-Dichloroethane	28	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.

D01.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 56.4

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	600	D
108-87-2	Methylcyclohexane	28	U
78-87-5	1,2-Dichloropropane	28	U
75-27-4	Bromodichloromethane	28	U
10061-01-5	cis-1,3-Dichloropropene	28	U
108-10-1	4-Methyl-2-pentanone	280	U
108-88-3	Toluene	28	U
10061-02-6	trans-1,3-Dichloropropene	28	U
79-00-5	1,1,2-Trichloroethane	28	U
127-18-4	Tetrachloroethene	28	U
591-78-6	2-Hexanone	280	U
124-48-1	Dibromochloromethane	28	U
106-93-4	1,2-Dibromoethane	28	U
108-90-7	Chlorobenzene	28	U
100-41-4	Ethylbenzene	28	U
95-47-6	o-Xylene	28	U
179601-23-1	m,p-Xylene	28	U
100-42-5	Styrene	28	U
75-25-2	Bromoform	28	U
98-82-8	Isopropylbenzene	28	U
79-34-5	1,1,2,2-Tetrachloroethane	28	U
541-73-1	1,3-Dichlorobenzene	28	U
106-46-7	1,4-Dichlorobenzene	28	U
95-50-1	1,2-Dichlorobenzene	28	U
96-12-8	1,2-Dibromo-3-chloropropane	28	U
120-82-1	1,2,4-Trichlorobenzene	28	U
87-61-6	1,2,3-Trichlorobenzene	28	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D01.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823189D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823189D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 56.4

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

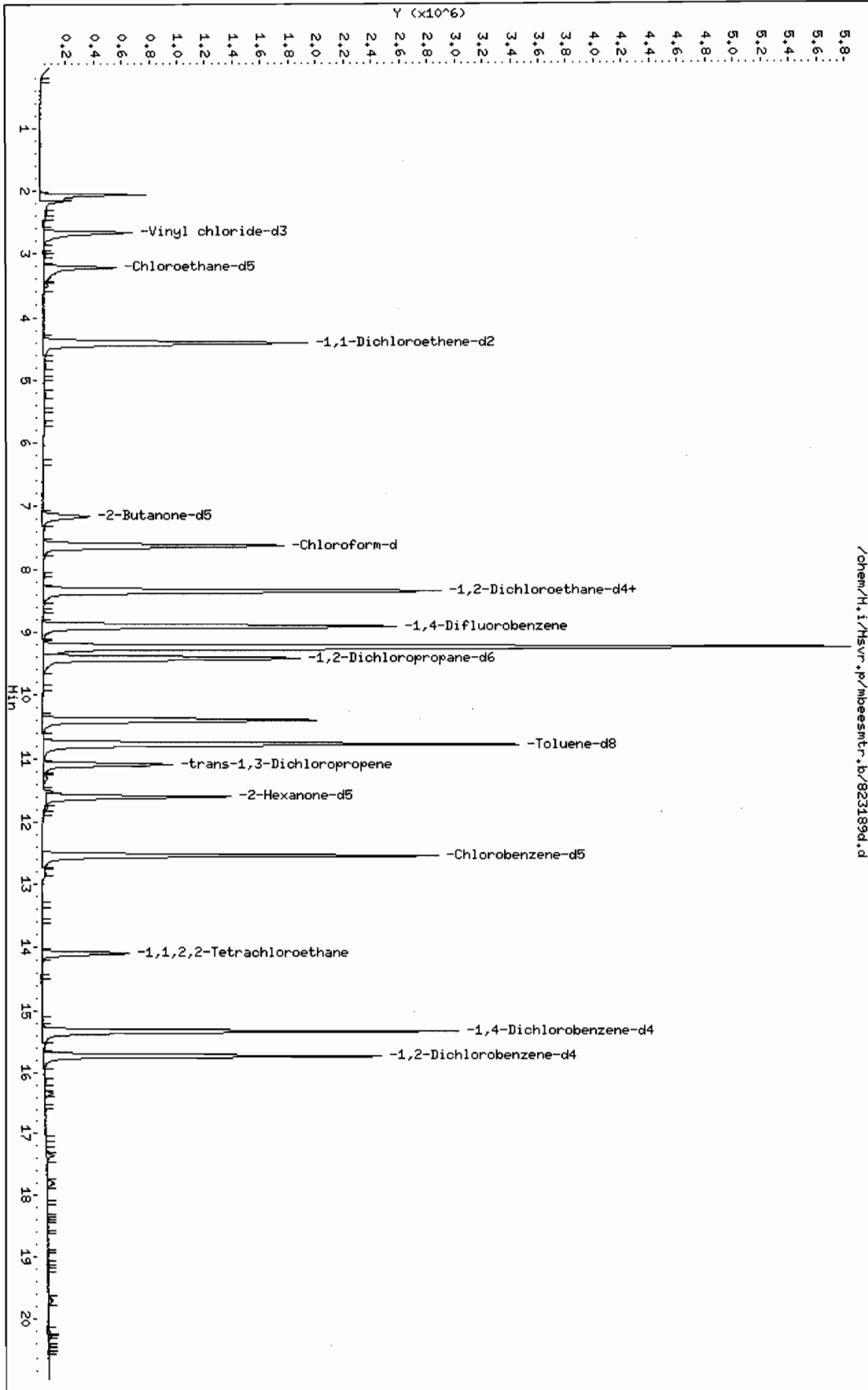
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	210	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesmr.b/823189d.d
Date : 21-MAR-2010 13:30
Client ID: D01.5MEDL
Sample Info: D=0 1.5X MEDIUM : L 103/17/10 04100(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JP1
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823189d.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823189d.d
Lab Smp Id: 823189D1 Client Smp ID: D01.5MEDDL
Inj Date : 21-MAR-2010 13:30
Operator : JPl Inst ID: M.i
Smp Info : D=0 1.5% MEDIUM : [] 03/17/10 @1100(WATER)
Misc Info : 823189,032110MO,56.4,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jd1 Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 1
Dil Factor: 56.40000
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	56.40000	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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.664	2.663	(0.299)	1634067	5.47442	5.5 (a)
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.218	3.216	(0.361)	1353593	5.41771	5.4 (a)
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.395	4.393	(0.494)	3219104	4.50326	4.5 (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	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	7.153	7.152	(0.803)	1032732	53.6331	54 (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	7.618	7.617	(0.856)	2779823	5.41058	5.4 (aQ)
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	8.330	8.329	(0.936)	775896	5.74487	5.7 (aQ)
\$ 29 Benzene-d6	84	8.340	8.339	(0.665)	3940944	5.21558	5.2 (a)
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.904	8.902	(1.000)	3809874	5.00000	
33 Trichloroethene	95	9.240	9.238	(0.737)	3944465	10.6233	600
\$ 34 1,2-Dichloropropane-d6	67	9.418	9.416	(0.751)	1766451	4.81265	4.8 (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	10.773	10.771	(0.859)	4302659	5.22844	5.2 (a)
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.089	11.088	(0.884)	975738	5.07093	5.1 (a)
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.593	11.592	(0.924)	1102927	48.5898	49 (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	12.543	12.541	(1.000)	2949097	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.105	14.103	(1.125)	663997	4.76827	4.8 (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	15.331	15.330	(1.000)	1456350	5.00000	(Q)
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.727	15.725	(1.026)	1115538	4.64668	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823189d.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823189d.d
Lab Smp Id: 823189D1 Client Smp ID: D01.5MEDDL
Inj Date : 21-MAR-2010 13:30
Operator : JPl Inst ID: M.i
Smp Info : D=0 1.5% MEDIUM : [] 03/17/10 @1100(WATER)
Misc Info : 823189,032110MO,56.4,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 1
Dil Factor: 56.40000
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	56.40000	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	8.904	9530622	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
10.397	6944819	3.64342336	210	0		0	32

Data File: /chem/M.i/Msvr.p/mbeesmr.b/823189d.d

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Date : 21-MAR-2010 13:30

Client ID: D01.5MEDDL

Instrument: M.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

Purge Volume: 25.0

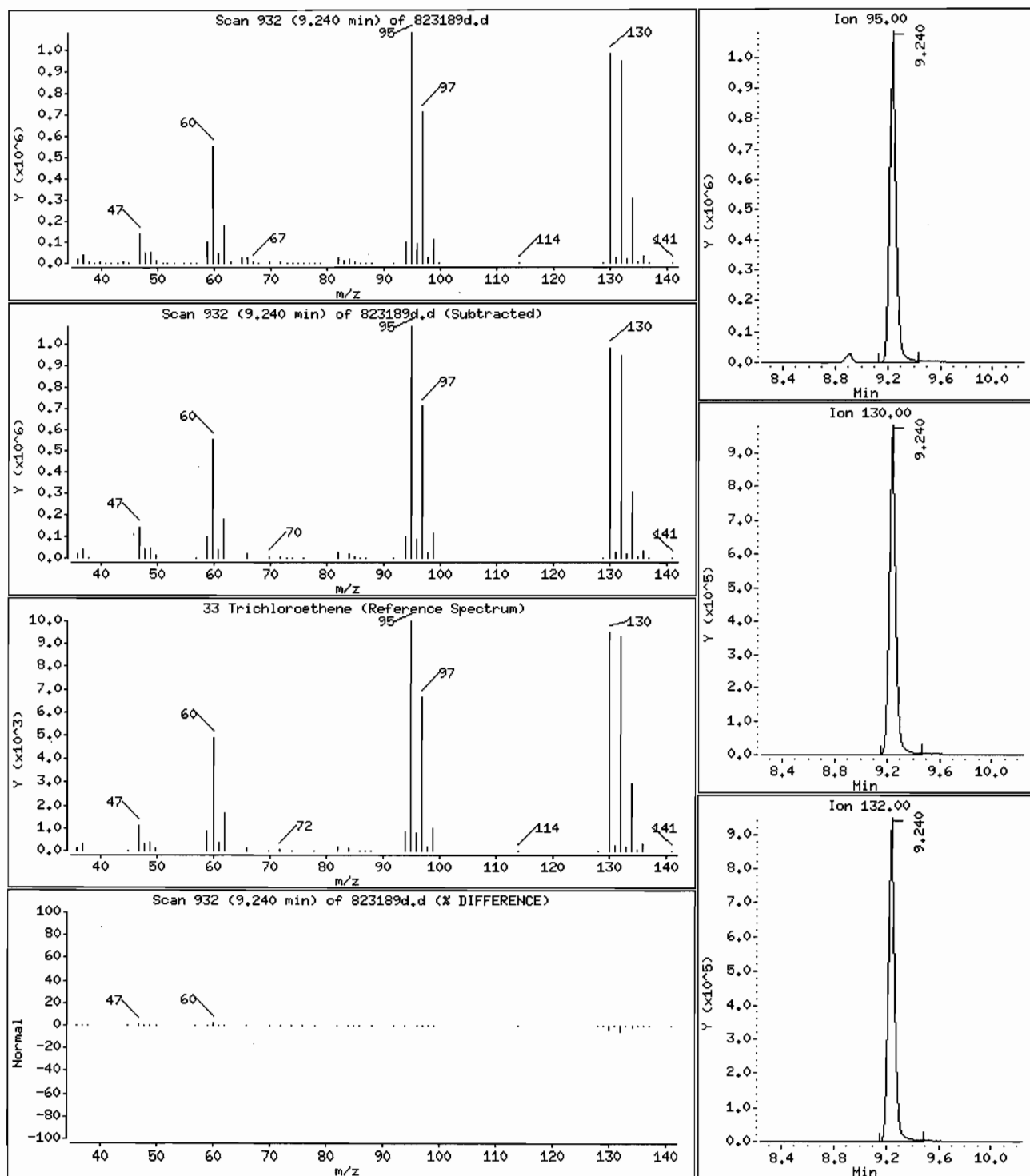
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 600 ug/L



Date : 21-MAR-2010 13:30

Client ID: D01.5MEDDL

Instrument: M.i

Sample Info: D=0 1.5% MEDIUM :[103/17/10 @1100(WATER)

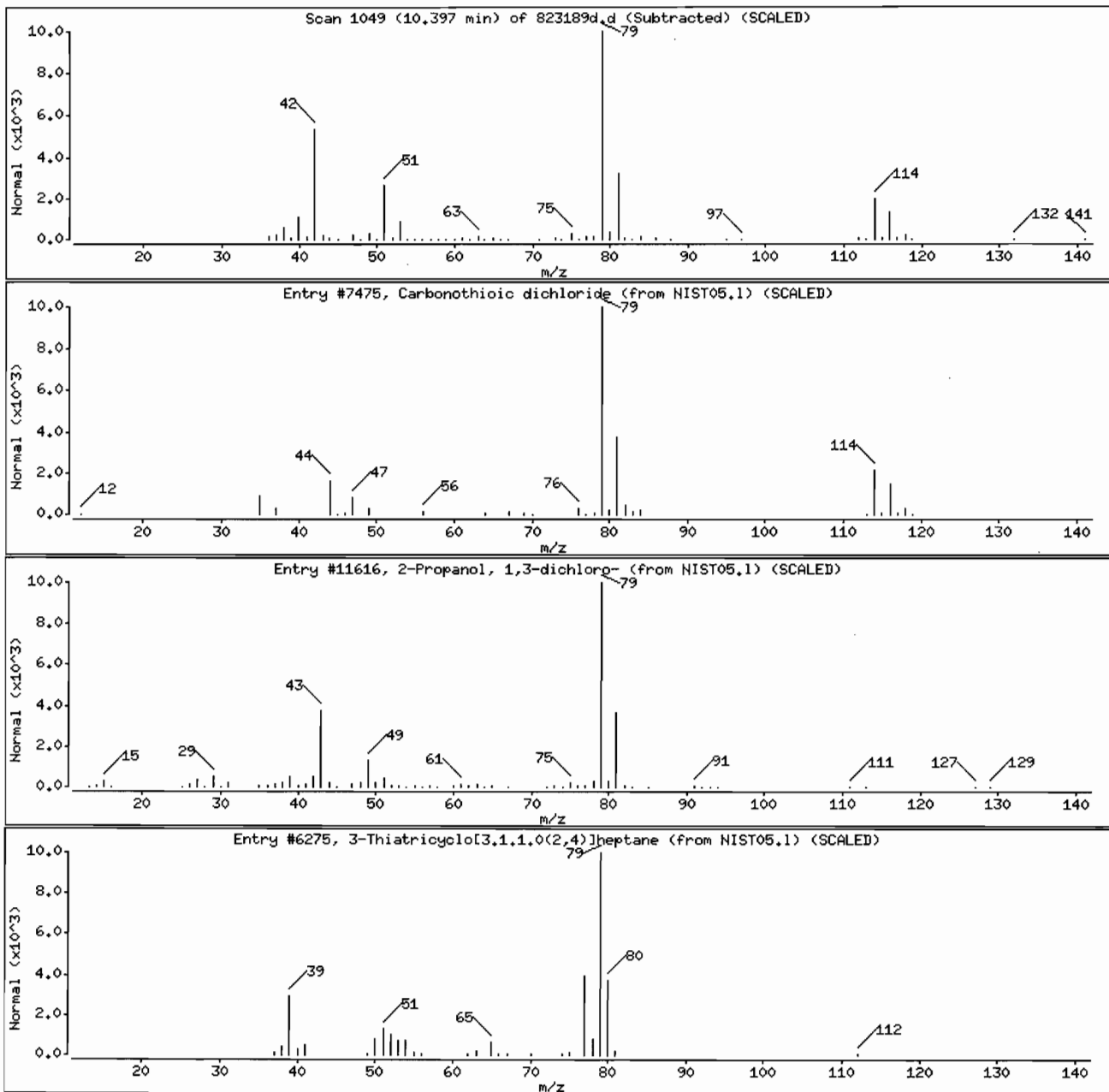
Purge Volume: 25.0

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	49	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatriacyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.1

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	2.1	U
74-87-3	Chloromethane	2.1	U
75-01-4	Vinyl chloride	2.1	U
74-83-9	Bromomethane	2.1	U
75-00-3	Chloroethane	2.1	U
75-69-4	Trichlorofluoromethane	2.1	U
75-35-4	1,1-Dichloroethene	2.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.1	U
67-64-1	Acetone	30	
75-15-0	Carbon disulfide	2.1	U
79-20-9	Methyl acetate	2.1	U
75-09-2	Methylene chloride	2.5	
156-60-5	trans-1,2-Dichloroethene	2.1	U
1634-04-4	Methyl tert-butyl ether	2.1	U
75-34-3	1,1-Dichloroethane	2.1	U
156-59-2	cis-1,2-Dichloroethene	0.85	J
78-93-3	2-Butanone	21	U
74-97-5	Bromochloromethane	2.1	U
67-66-3	Chloroform	2.1	U
71-55-6	1,1,1-Trichloroethane	2.1	U
110-82-7	Cyclohexane	2.1	U
56-23-5	Carbon tetrachloride	2.1	U
71-43-2	Benzene	2.1	U
107-06-2	1,2-Dichloroethane	2.1	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.

D01.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.1

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	410	E
108-87-2	Methylcyclohexane	2.1	U
78-87-5	1,2-Dichloropropane	2.1	U
75-27-4	Bromodichloromethane	2.1	U
10061-01-5	cis-1,3-Dichloropropene	2.1	U
108-10-1	4-Methyl-2-pentanone	21	U
108-88-3	Toluene	2.1	U
10061-02-6	trans-1,3-Dichloropropene	2.1	U
79-00-5	1,1,2-Trichloroethane	2.1	U
127-18-4	Tetrachloroethene	4.7	
591-78-6	2-Hexanone	21	U
124-48-1	Dibromochloromethane	2.1	U
106-93-4	1,2-Dibromoethane	2.1	U
108-90-7	Chlorobenzene	2.1	U
100-41-4	Ethylbenzene	2.1	U
95-47-6	o-Xylene	2.1	U
179601-23-1	m,p-Xylene	2.1	U
100-42-5	Styrene	2.1	U
75-25-2	Bromoform	2.1	U
98-82-8	Isopropylbenzene	2.1	U
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U
541-73-1	1,3-Dichlorobenzene	2.1	U
106-46-7	1,4-Dichlorobenzene	2.1	U
95-50-1	1,2-Dichlorobenzene	2.1	U
96-12-8	1,2-Dibromo-3-chloropropane	2.1	U
120-82-1	1,2,4-Trichlorobenzene	2.1	U
87-61-6	1,2,3-Trichlorobenzene	2.1	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D01.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.1

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	=====	=====	=====	=====	=====
02		Unknown	10.40	17	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		

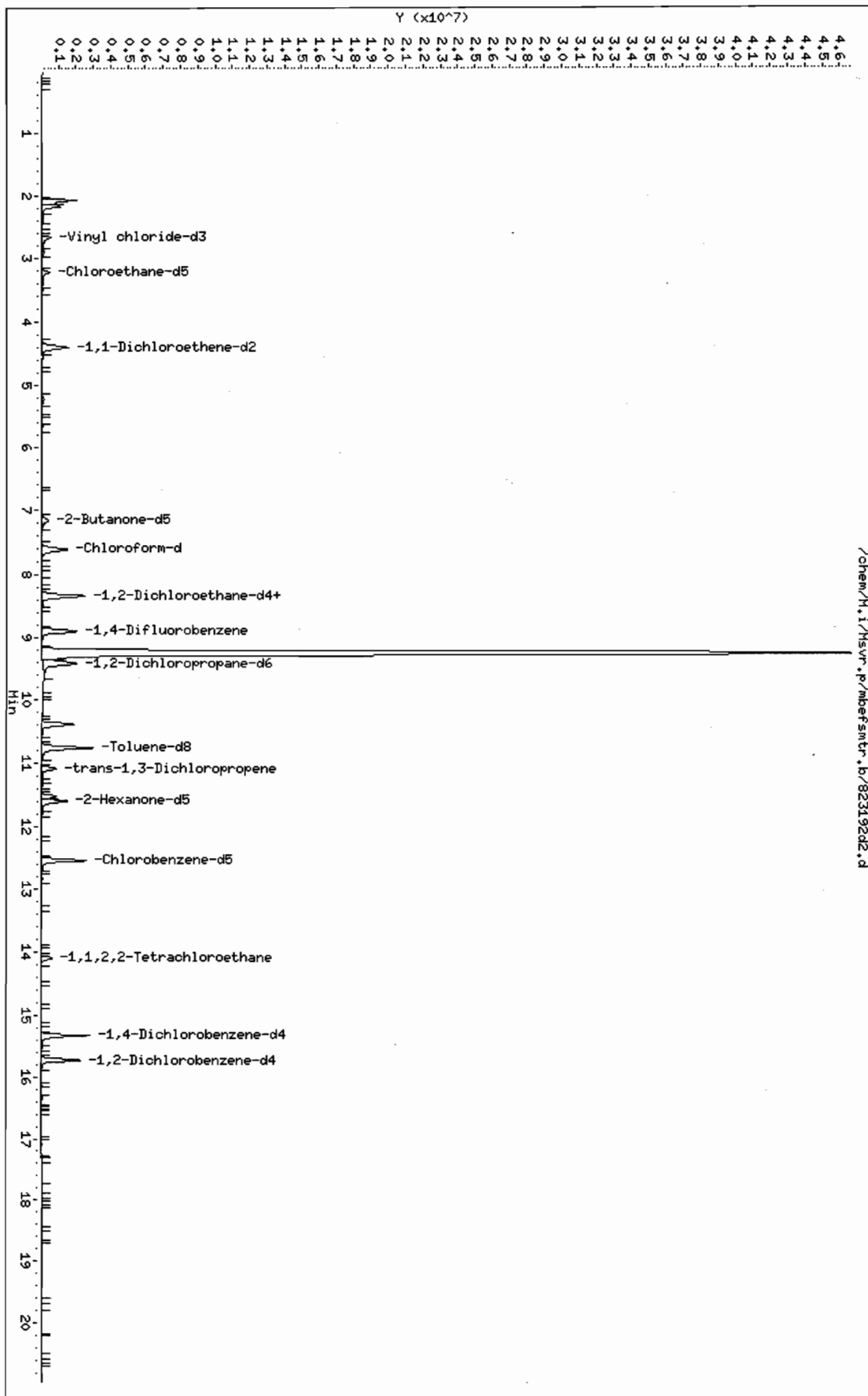
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/823192d2.d
Date: 22-MAR-2010 16:14
Client ID: D01.75HIGH
Sample Info: D=0 1.75X HIGH : L 103/17/10 04155(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: HRV
Column diameter: 0.53

Page 5



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823192d2.d
Lab Smp Id: 823192 Client Smp ID: D01.75HIGH
Inj Date : 22-MAR-2010 16:14
Operator : MRV Inst ID: M.i
Smp Info : D=0 1.75% HIGH : [] 03/17/10 @1155 (WATER)
Misc Info : 823192,032210MP,4.1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 17
Dil Factor: 4.10000
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	4.10000	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					CONCENTRATIONS		
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		2.664	2.665	(0.300)	1260257	5.40802	5.4
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		3.217	3.219	(0.362)	1059187	5.43015	5.4
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		4.394	4.396	(0.494)	2565409	4.59684	4.6
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		4.542	4.544	(0.511)	57193	7.27285	30
13 Carbon disulfide	76							
14 Methyl acetate	43							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	5.215	5.226	(0.586)	88496	0.62154	2.5
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	7.153	7.164	(0.804)	1138893	75.7600	76
20 cis-1,2-Dichloroethene	96	7.183	7.184	(0.808)	41797	0.20852	0.85 (a)
21 2-Butanone	43	Compound Not Detected.					
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	7.608	7.619	(0.855)	2399208	5.98144	6.0 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.320	8.331	(0.936)	719229	6.82112	6.8 (QR)
\$ 29 Benzene-d6	84	8.330	8.341	(0.664)	3326628	4.99376	5.0
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.893	8.905	(1.000)	2974400	5.00000	
33 Trichloroethene	95	9.229	9.241	(0.736)	32705800	99.9118	410 (A)
\$ 34 1,2-Dichloropropane-d6	67	9.417	9.419	(0.751)	1560758	4.82325	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	10.762	10.774	(0.858)	3637462	5.01366	5.0
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	11.088	11.090	(0.884)	910508	5.36735	5.4
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	11.524	11.525	(0.919)	367700	1.15331	4.7
\$ 46 2-Hexanone-d5	63	11.593	11.594	(0.924)	1175874	58.7599	59
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	12.542	12.553	(1.000)	2599965	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.104	14.116	(1.125)	661654	5.38948	5.4
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	15.331	15.332	(1.000)	1354742	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.736	15.737	(1.026)	1028556	4.60570	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823192d2.d
Report Date: 25-Mar-2010 10:40

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823192d2.d
Lab Smp Id: 823192 Client Smp ID: D01.75HIGH
Inj Date : 22-MAR-2010 16:14
Operator : MRV Inst ID: M.i
Smp Info : D=0 1.75% HIGH :[]03/17/10 @1155(WATER)
Misc Info : 823192,032210MP,4.1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 17
Dil Factor: 4.10000
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	4.10000	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	8.893	7621250	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
10.396	6262026	4.10826652	17	0		0	32

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823192d2.d

Page 6

Date : 22-MAR-2010 16:14

Client ID: D01.75HIGH

Instrument: M.i

Sample Info: D=0 1.75% HIGH :[103/17/10 @1155(WATER)

Purge Volume: 25.0

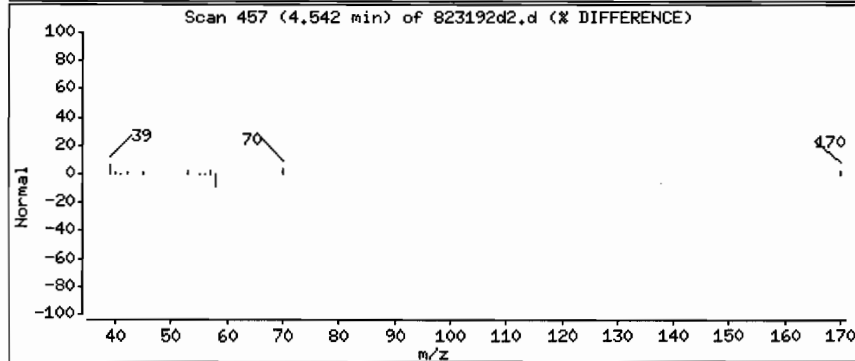
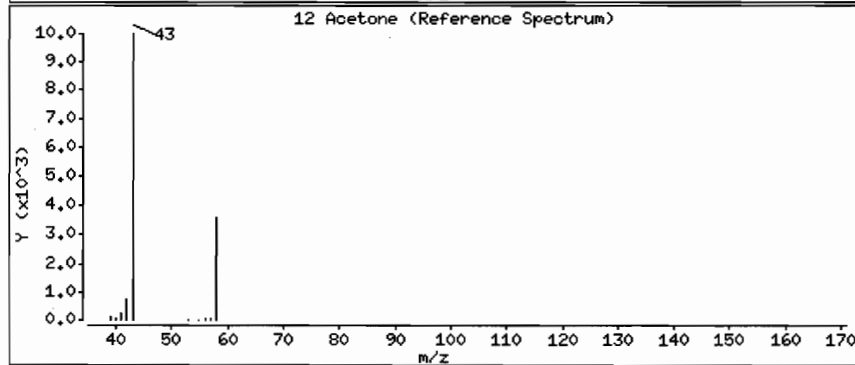
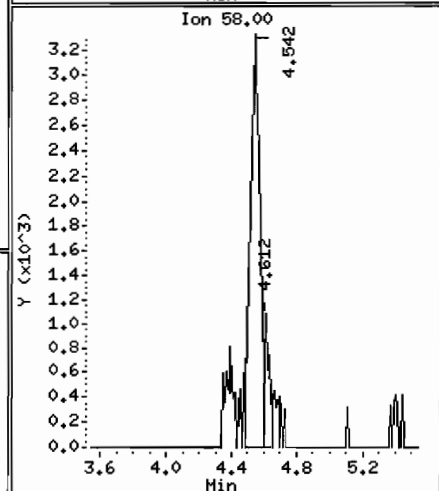
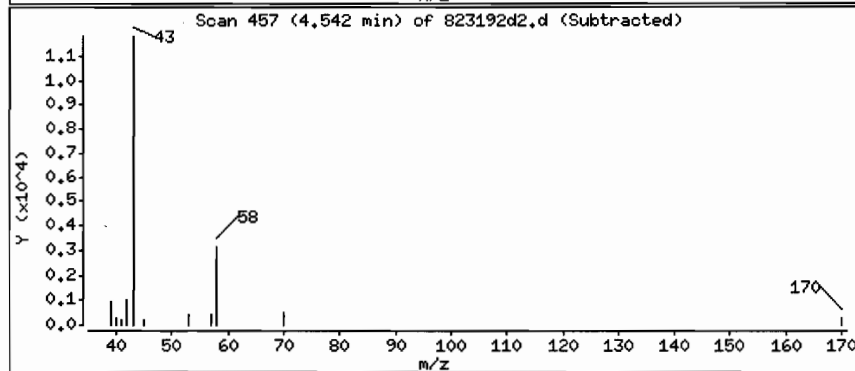
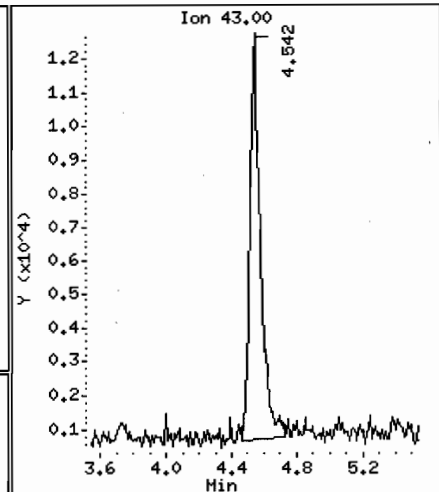
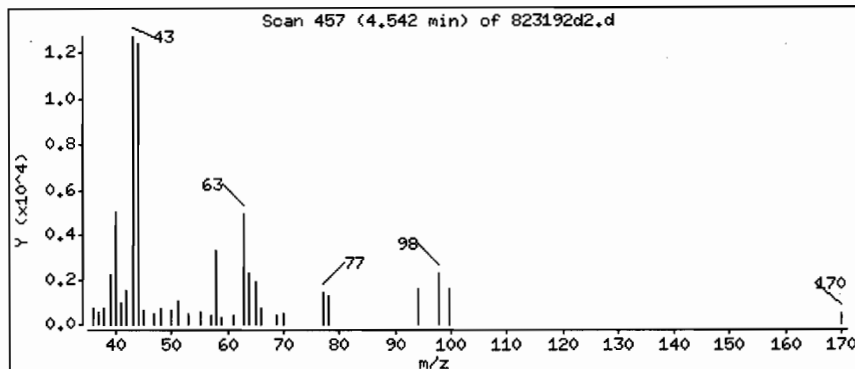
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 30 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823192d2.d

Page 7

Date : 22-MAR-2010 16:14

Client ID: D01.75HIGH

Instrument: M.i

Sample Info: D=0 1.75% HIGH :I 103/17/10 @1155(WATER)

Purge Volume: 25.0

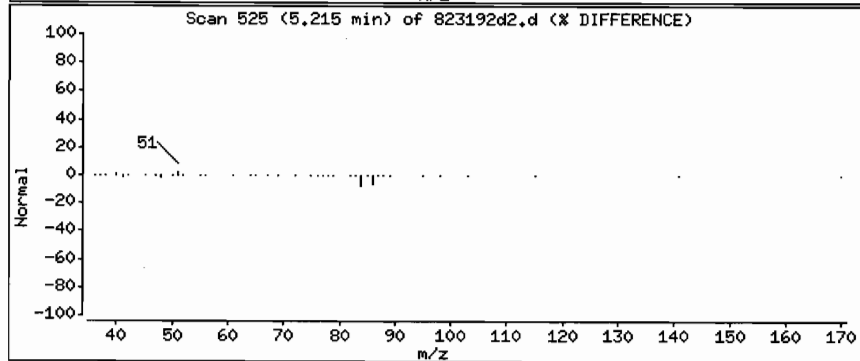
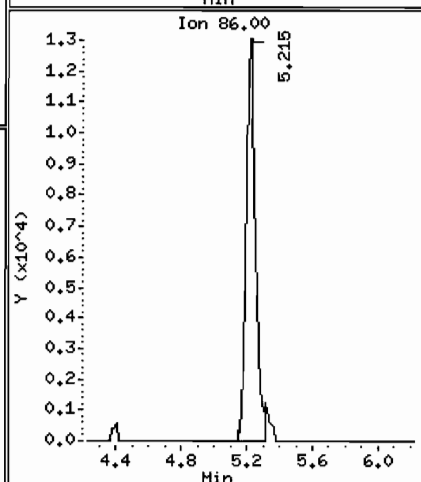
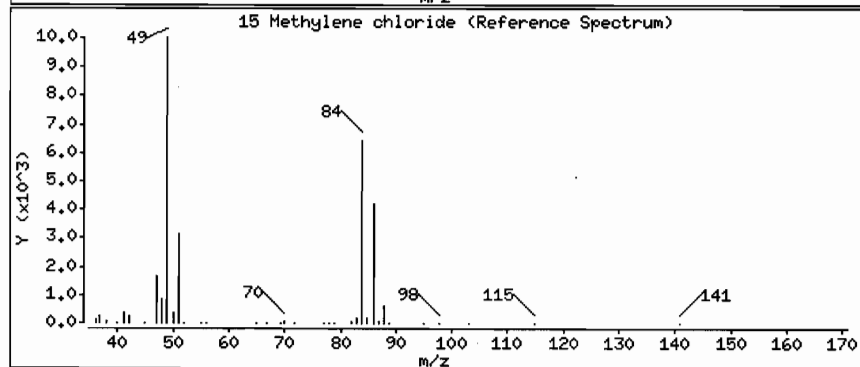
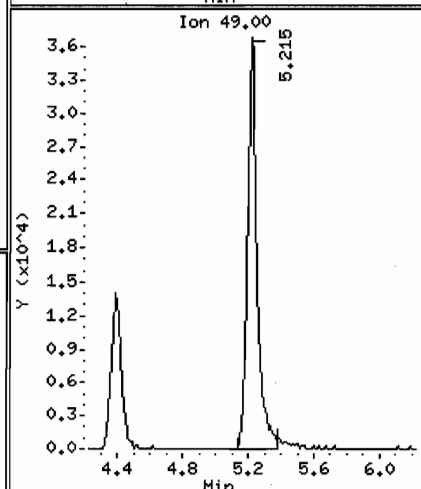
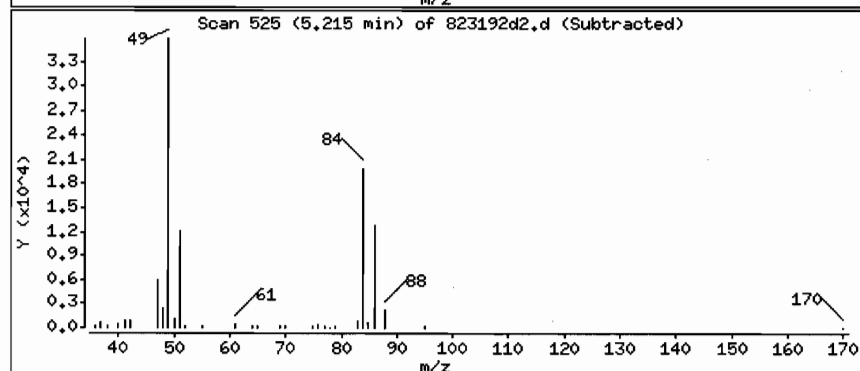
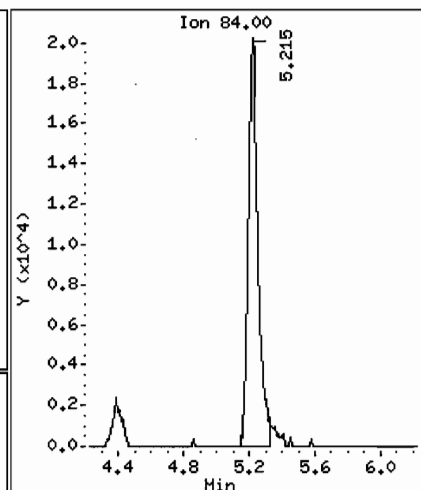
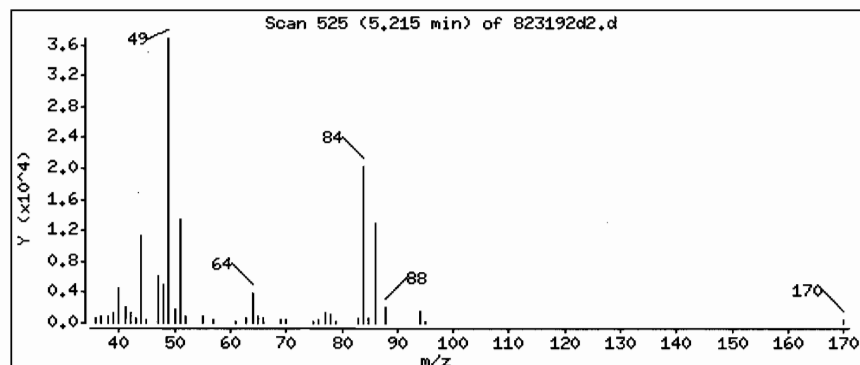
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 2.5 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823192d2.d

Page 8

Date : 22-MAR-2010 16:14

Client ID: D01.75HIGH

Instrument: M.i

Sample Info: D=0 1.75% HIGH :[103/17/10 @1155(WATER)

Purge Volume: 25.0

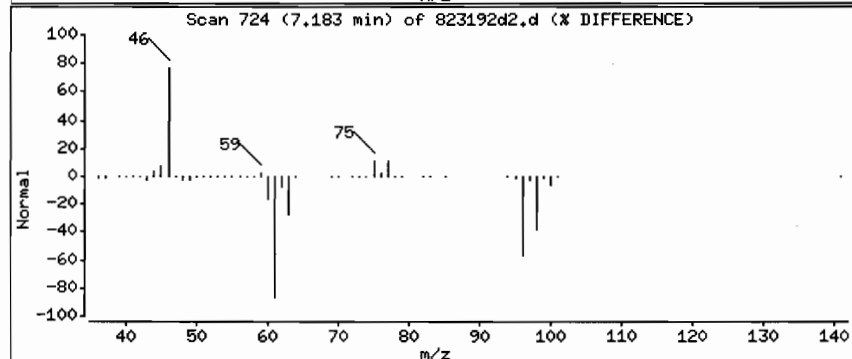
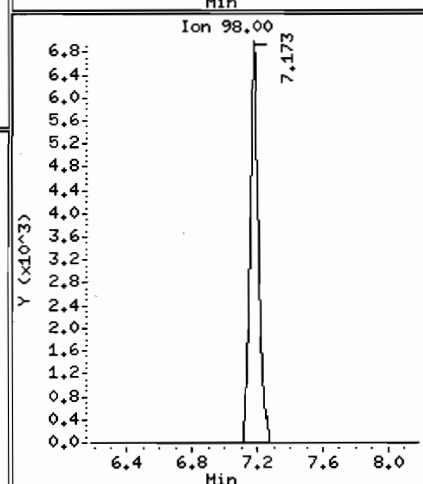
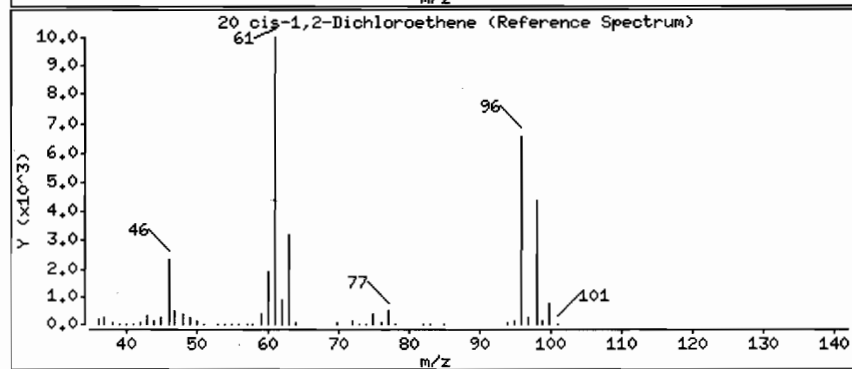
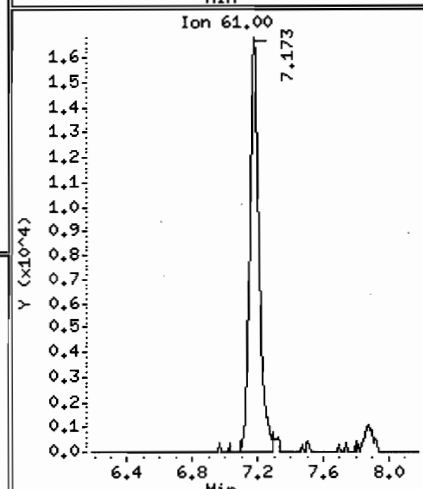
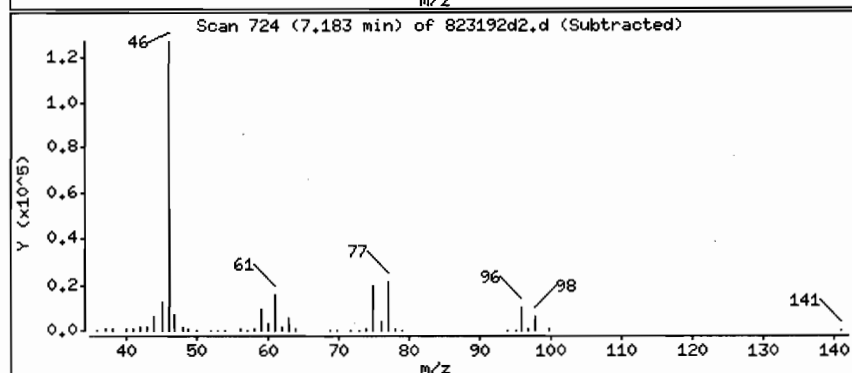
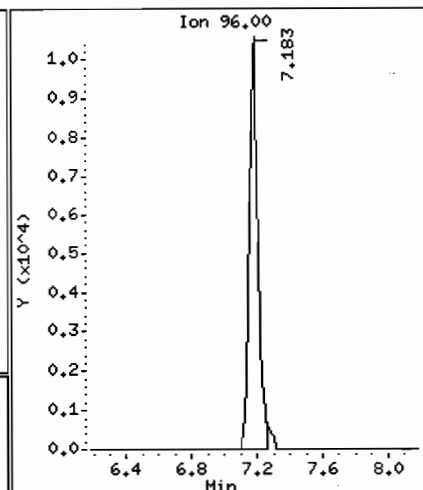
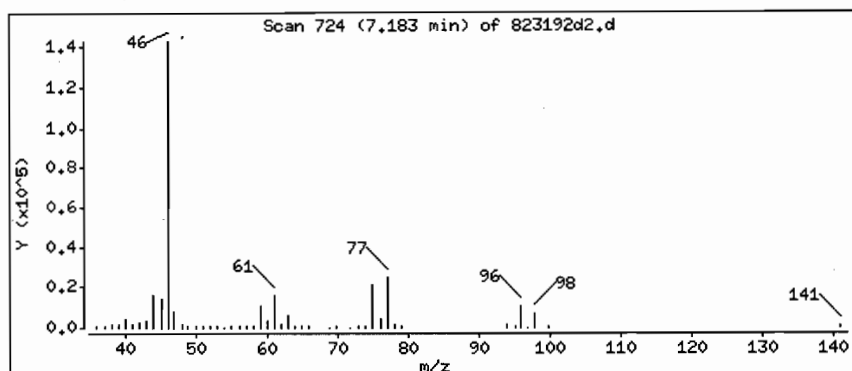
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

20 cis-1,2-Dichloroethene

Concentration: 0.85 ug/L



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823192d2.d

Page 9

Date : 22-MAR-2010 16:14

Client ID: D01.75HIGH

Instrument: M.i

Sample Info: D=0 1.75% HIGH :[103/17/10 @1155(WATER)

Purge Volume: 25.0

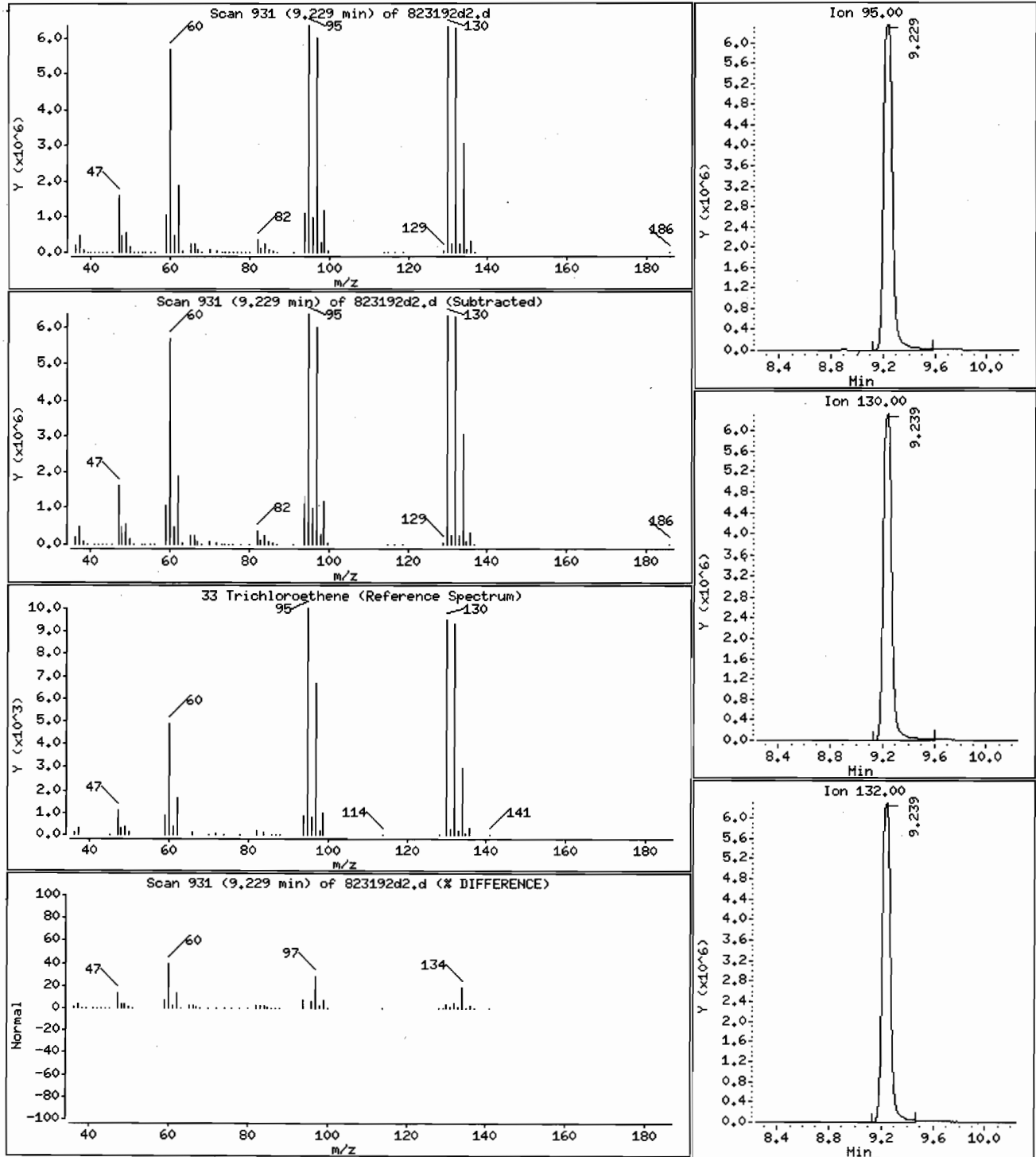
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 410 ug/L



Data File: /chem/M.i/Hsvr.p/mbeftmtr.b/823192d2.d

Page 10

Date : 22-MAR-2010 16:14

Client ID: D01.75HIGH

Instrument: M.i

Sample Info: D=0 1.75% HIGH ;I 103/17/10 @1155(WATER)

Purge Volume: 25.0

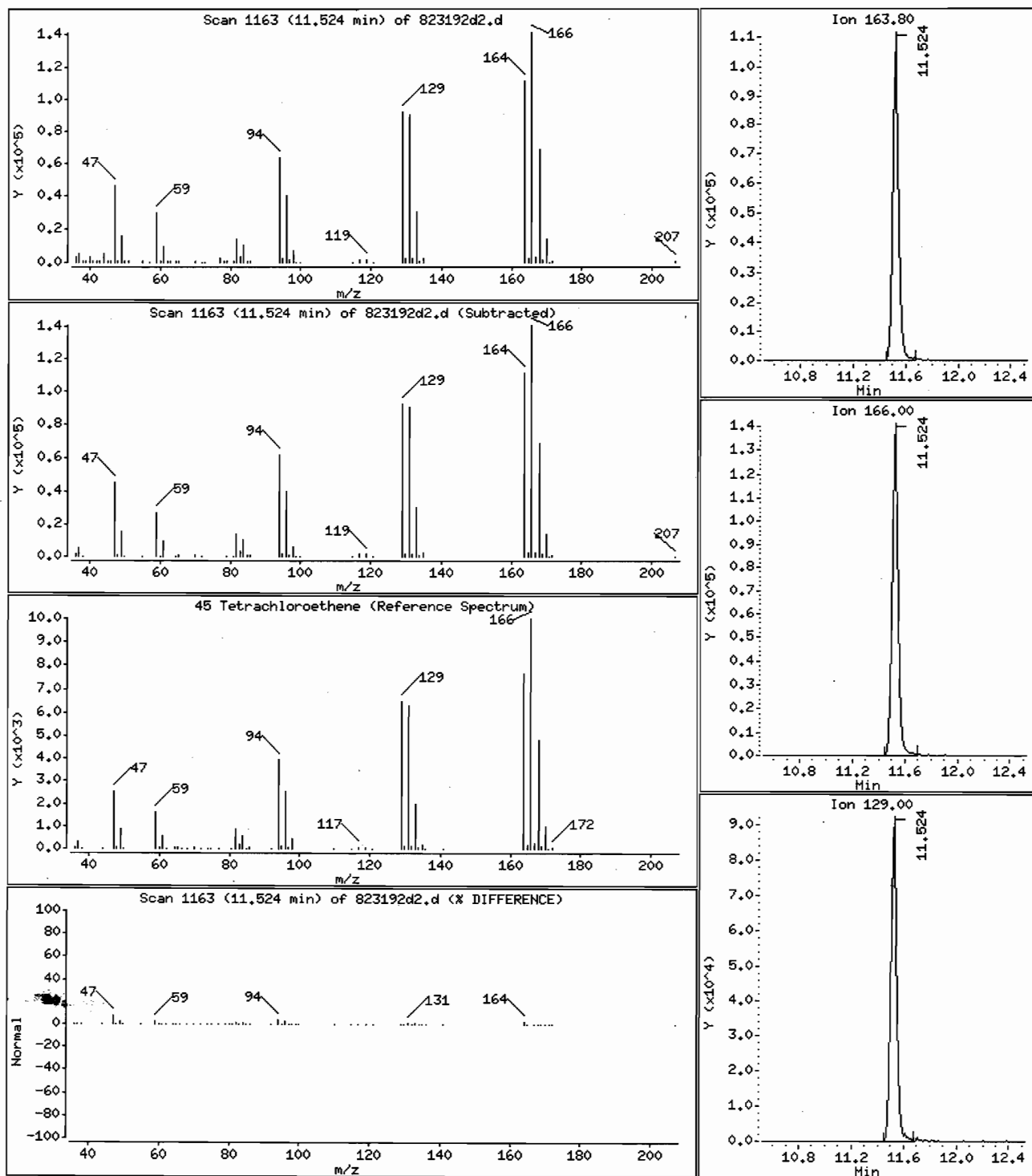
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 4.7 ug/L



Date : 22-MAR-2010 16:14

Client ID: D01.75HIGH

Instrument: M.i

Sample Info: D=0 1.75% HIGH :[103/17/10 @1155(WATER)

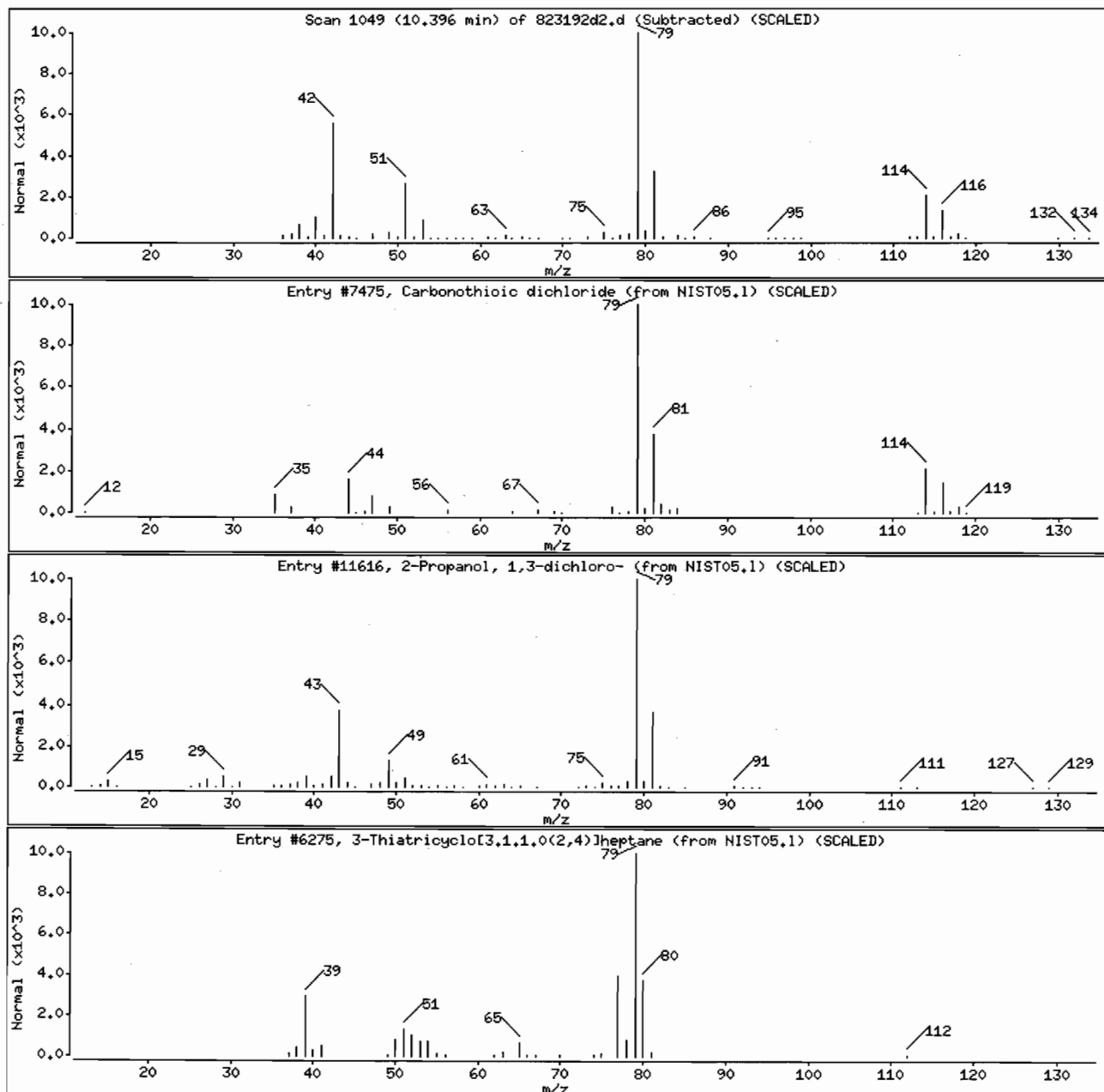
Purge Volume: 25.0

Operator: HRV

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	50	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 47.6

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	24	U
74-87-3	Chloromethane	24	U
75-01-4	Vinyl chloride	24	U
74-83-9	Bromomethane	24	U
75-00-3	Chloroethane	24	U
75-69-4	Trichlorofluoromethane	24	U
75-35-4	1,1-Dichloroethene	24	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24	U
67-64-1	Acetone	240	U
75-15-0	Carbon disulfide	24	U
79-20-9	Methyl acetate	24	U
75-09-2	Methylene chloride	24	U
156-60-5	trans-1,2-Dichloroethene	24	U
1634-04-4	Methyl tert-butyl ether	24	U
75-34-3	1,1-Dichloroethane	24	U
156-59-2	cis-1,2-Dichloroethene	24	U
78-93-3	2-Butanone	240	U
74-97-5	Bromochloromethane	24	U
67-66-3	Chloroform	24	U
71-55-6	1,1,1-Trichloroethane	24	U
110-82-7	Cyclohexane	24	U
56-23-5	Carbon tetrachloride	24	U
71-43-2	Benzene	24	U
107-06-2	1,2-Dichloroethane	24	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.

D01.75HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 47.6

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	570	D
108-87-2	Methylcyclohexane	24	U
78-87-5	1,2-Dichloropropane	24	U
75-27-4	Bromodichloromethane	24	U
10061-01-5	cis-1,3-Dichloropropene	24	U
108-10-1	4-Methyl-2-pentanone	240	U
108-88-3	Toluene	24	U
10061-02-6	trans-1,3-Dichloropropene	24	U
79-00-5	1,1,2-Trichloroethane	24	U
127-18-4	Tetrachloroethene	24	U
591-78-6	2-Hexanone	240	U
124-48-1	Dibromochloromethane	24	U
106-93-4	1,2-Dibromoethane	24	U
108-90-7	Chlorobenzene	24	U
100-41-4	Ethylbenzene	24	U
95-47-6	o-Xylene	24	U
179601-23-1	m,p-Xylene	24	U
100-42-5	Styrene	24	U
75-25-2	Bromoform	24	U
98-82-8	Isopropylbenzene	24	U
79-34-5	1,1,2,2-Tetrachloroethane	24	U
541-73-1	1,3-Dichlorobenzene	24	U
106-46-7	1,4-Dichlorobenzene	24	U
95-50-1	1,2-Dichlorobenzene	24	U
96-12-8	1,2-Dibromo-3-chloropropane	24	U
120-82-1	1,2,4-Trichlorobenzene	24	U
87-61-6	1,2,3-Trichlorobenzene	24	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D01.75HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLVS Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823192D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823192D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 47.6

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

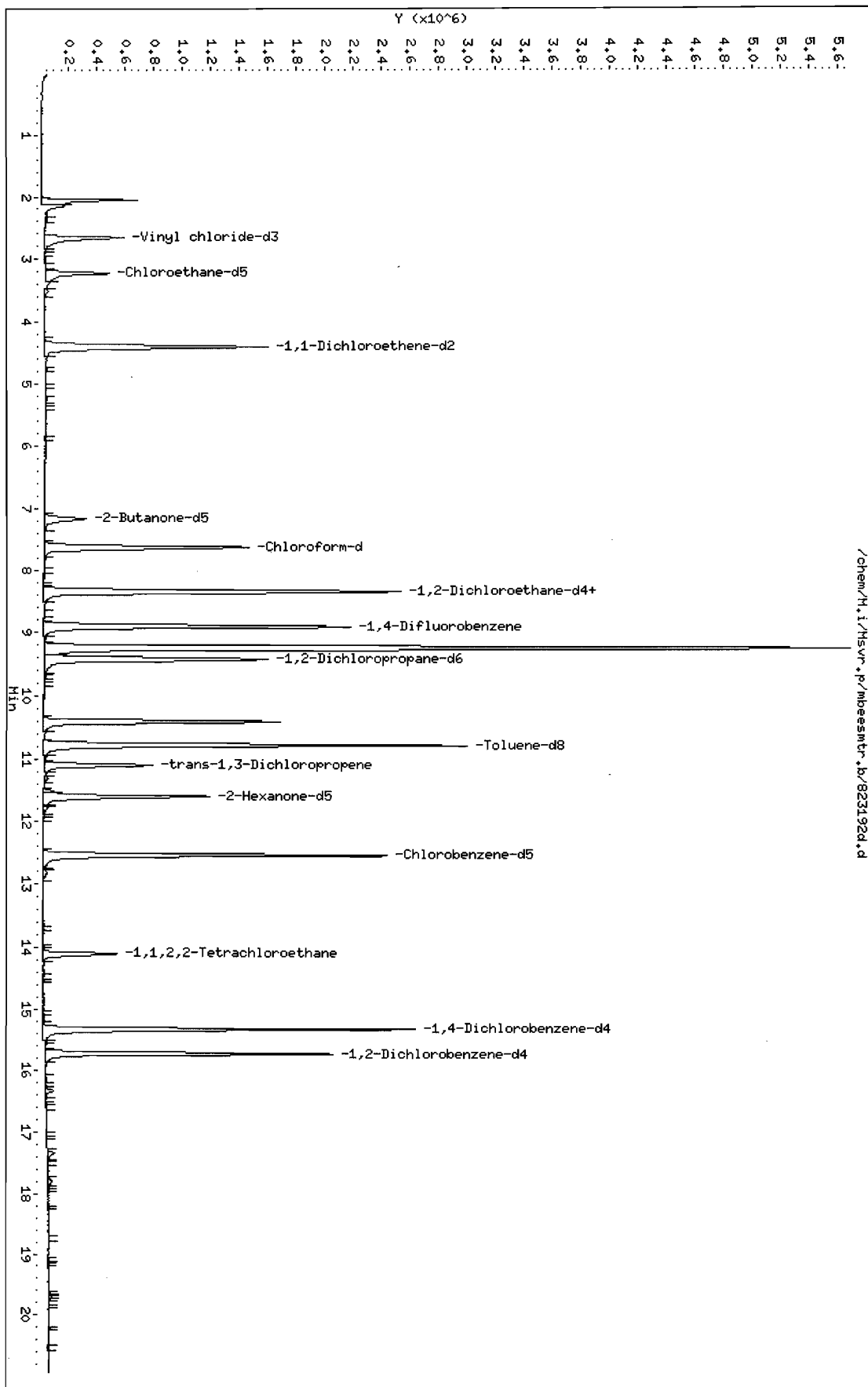
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.39	170	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesmr.b/823192d.d
Date : 21-MAR-2010 15:05
Client ID: D01.75HIGHDL
Sample Info: D=0 1.75X HIGH : I 103.17/10 04156(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JF1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823192d.d
Lab Smp Id: 823192D1 Client Smp ID: D01.75HIGHDL
Inj Date : 21-MAR-2010 15:05
Operator : JPl Inst ID: M.i
Smp Info : D=0 1.75% HIGH : [] 03/17/10 @1155(WATER)
Misc Info : 823192,032110MO,47.6,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jd1 Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 4
Dil Factor: 47.60000
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	47.60000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.651	2.663	(0.298)	1349648	5.29769	5.3(a)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.215	3.216	(0.361)	1111840	5.21397	5.2(a)
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.391	4.393	(0.493)	2655507	4.35249	4.4(a)
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.160	7.152	(0.804)	916203	55.7488	56 (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	7.615	7.617	(0.856)	2340595	5.33766	5.3 (aQ)
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	8.327	8.329	(0.936)	674101	5.84790	5.8 (aQ)
\$ 29 Benzene-d6	84	8.337	8.339	(0.665)	3466333	5.27349	5.3 (a)
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.900	8.902	(1.000)	3251715	5.00000	
33 Trichloroethene	95	9.237	9.238	(0.737)	3892773	12.0519	570
\$ 34 1,2-Dichloropropane-d6	67	9.425	9.416	(0.752)	1500888	4.70064	4.7 (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	10.769	10.771	(0.859)	3630871	5.07191	5.1 (a)
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.086	11.088	(0.884)	801224	4.78668	4.8 (a)
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.600	11.592	(0.925)	960417	48.6390	49 (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	12.539	12.541	(1.000)	2565447	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.102	14.103	(1.125)	566701	4.67815	4.7 (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	15.328	15.330	(1.000)	1266137	5.00000	(Q)
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.733	15.725	(1.026)	949592	4.54968	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823192d.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823192d.d
Lab Smp Id: 823192D1 Client Smp ID: D01.75HIGHDL
Inj Date : 21-MAR-2010 15:05
Operator : JP1 Inst ID: M.i
Smp Info : D=0 1.75% HIGH : [] 03/17/10 @1155(WATER)
Misc Info : 823192,032110MO,47.6,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 4
Dil Factor: 47.60000
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	47.60000	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	8.900	8109755	5.000

CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY CPND #
====	====	=====	=====	====	=====	=====
Unknown				CAS #:		
10.394	5847236	3.60506303	170	0		0 32

Data File: /chem/M.i/Hsvr.p/mbeesmr.b/823192d.d

Page 6

Date : 21-MAR-2010 15:05

Client ID: D01.75HIGHDL

Instrument: M.i

Sample Info: D=0 1.75% HIGH :[103/17/10 @1155(WATER)

Purge Volume: 25.0

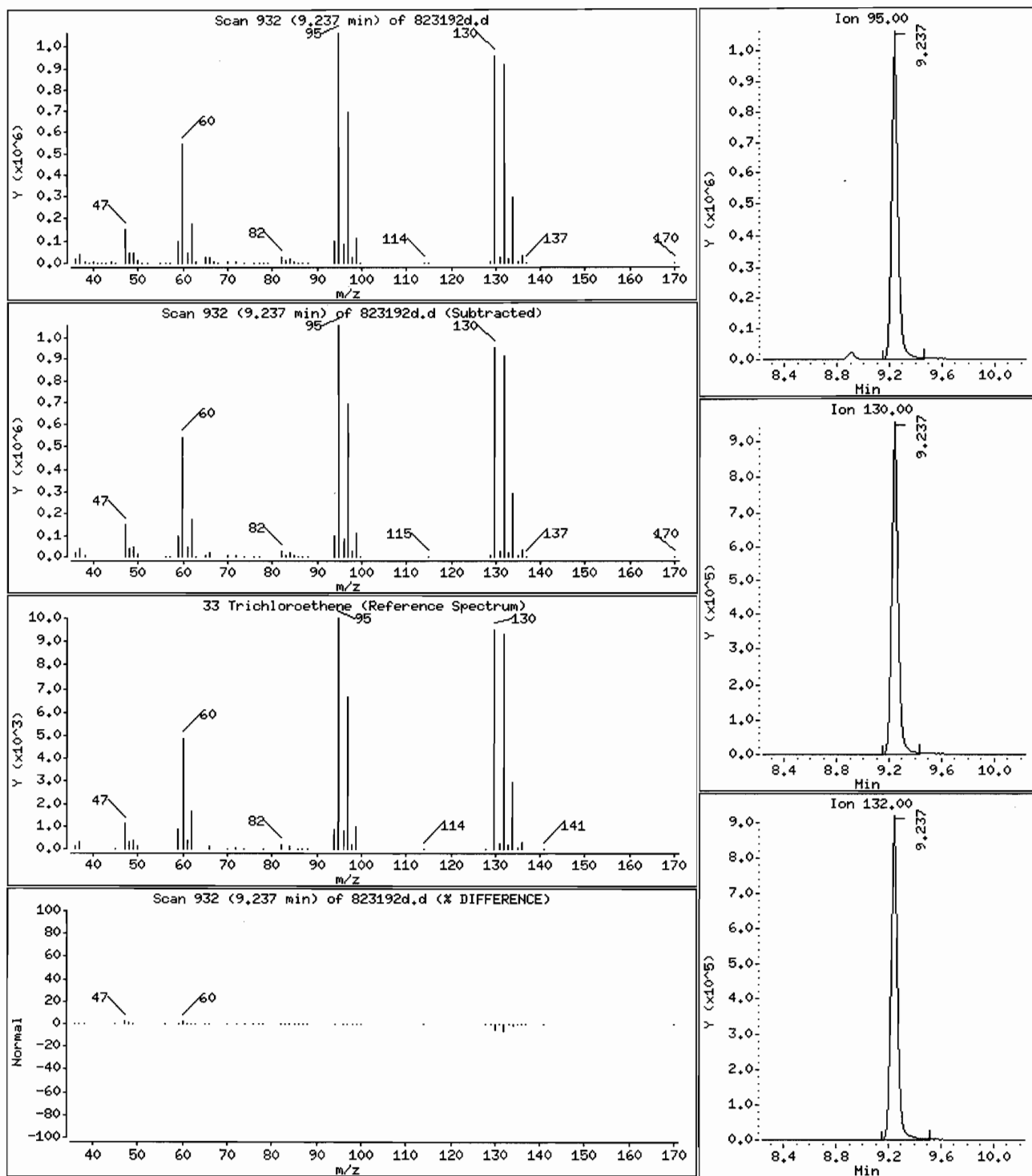
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 570 ug/L



Date : 21-MAR-2010 15:05

Client ID: D01.75HIGHDL

Instrument: M.i

Sample Info: D=0 1.75% HIGH :[103/17/10 @1155(WATER)

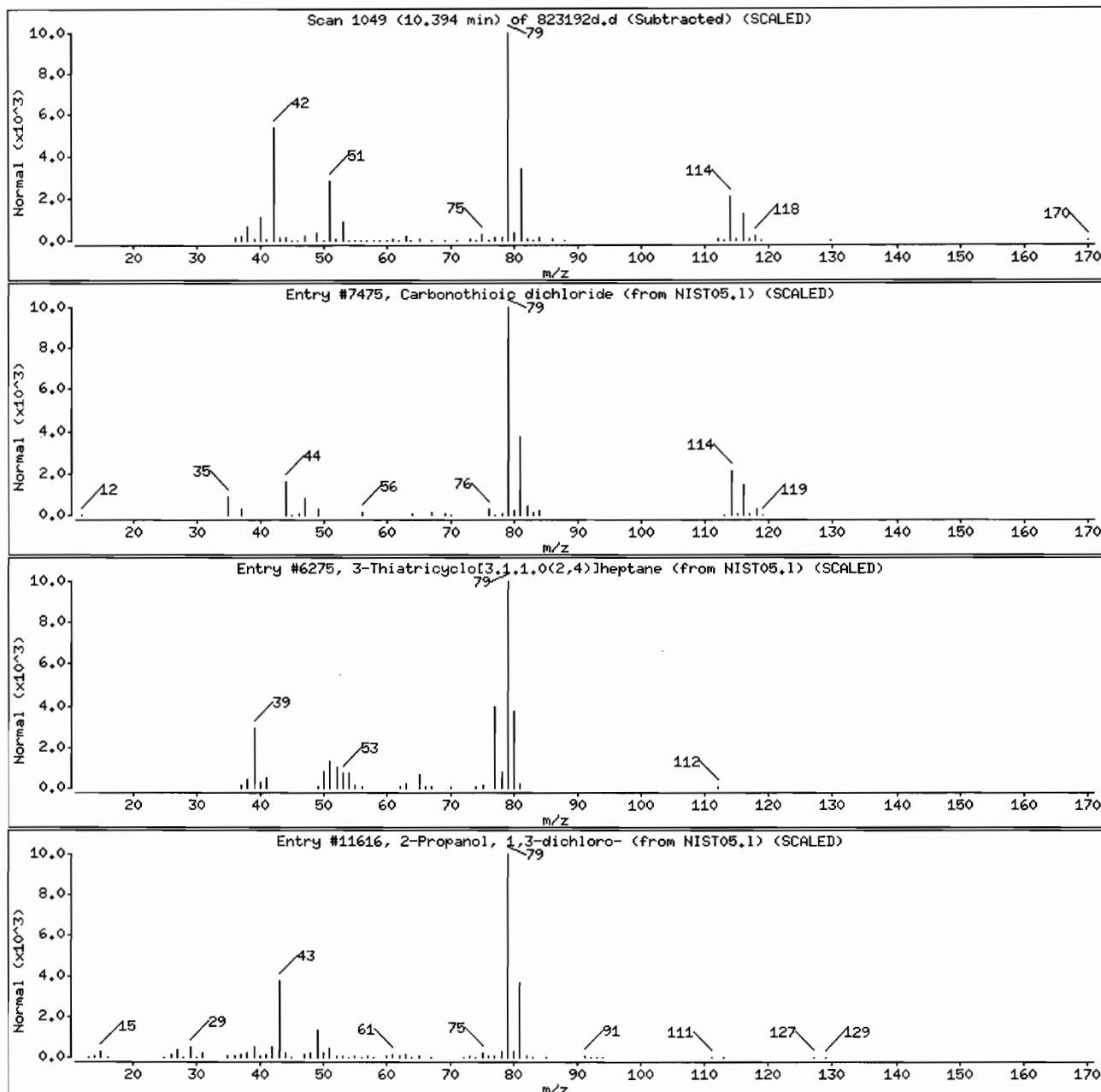
Purge Volume: 25.0

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	28	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.9

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	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	22	J
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	2.4	J
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	1.0	J
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	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.

D01.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.9

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	470	E
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	4.7	
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D01.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 4.9

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

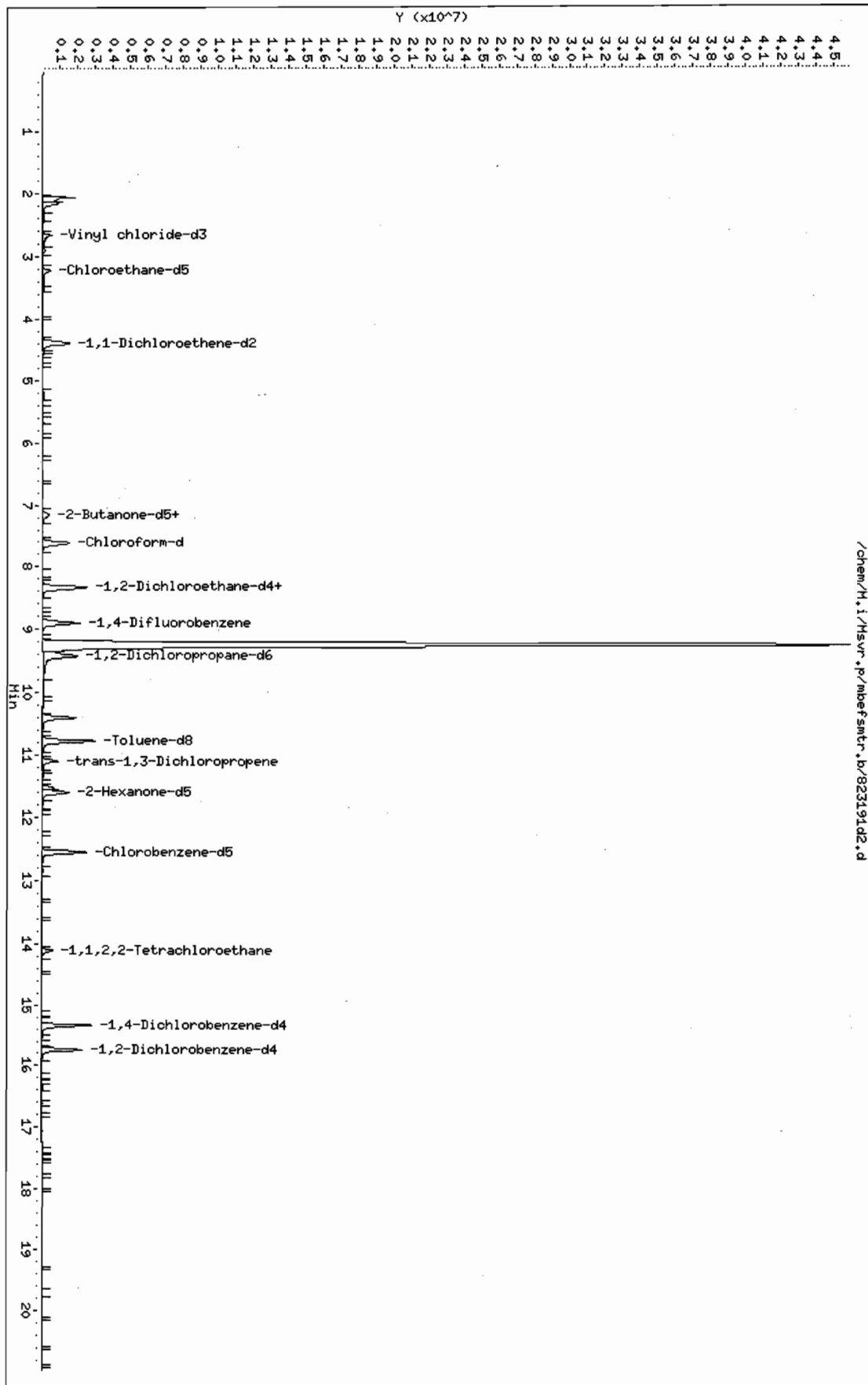
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	20	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbe/smr.b/823191d2.d
 Date : 22-MAR-2010 15:11
 Client ID: D01.75MED
 Sample Info: D=0 1.75X MEDIUM : L 103/17/10 01145(WATER)
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: H.i
 Operator: HRV
 Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823191d2.d
Report Date: 25-Mar-2010 10:40

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823191d2.d
Lab Smp Id: 823191 Client Smp ID: D01.75MED
Inj Date : 22-MAR-2010 15:11
Operator : MRV Inst ID: M.i
Smp Info : D=0.1.75% MEDIUM : [] 03/17/10 @1145(WATER)
Misc Info : 823191,032210MP,4.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 15
Dil Factor: 4.90000
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	4.90000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.666	2.665	(0.299)	1275963	5.24944	5.2
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.219	3.219	(0.362)	1065748	5.23828	5.2
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.396	4.396	(0.494)	2569439	4.41405	4.4
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	4.554	4.544	(0.511)	37220	4.53767	22(a)
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.227	5.226	(0.587)	71992	0.48476		2.4 (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	7.155	7.164	(0.803)	1131844	72.1837		72
20 cis-1,2-Dichloroethene	96	7.184	7.184	(0.807)	42913	0.20525		1.0 (a)
21 2-Butanone	43	Compound Not Detected.						
22 Bromochloromethane	128	Compound Not Detected.						
\$ 23 Chloroform-d	84	7.620	7.619	(0.856)	2424422	5.79484		5.8 (Q)
24 Chloroform	83	Compound Not Detected.						
25 1,1,1-Trichloroethane	97	Compound Not Detected.						
26 Cyclohexane	56	Compound Not Detected.						
27 Carbon tetrachloride	117	Compound Not Detected.						
\$ 28 1,2-Dichloroethane-d4	65	8.322	8.331	(0.934)	737416	6.70496		6.7 (QR)
\$ 29 Benzene-d6	84	8.341	8.341	(0.664)	3361237	4.97715		5.0
30 Benzene	78	Compound Not Detected.						
31 1,2-Dichloroethane	62	Compound Not Detected.						
* 32 1,4-Difluorobenzene	114	8.905	8.905	(1.000)	3102444	5.00000		
33 Trichloroethene	95	9.241	9.241	(0.736)	31655516	95.3893		470 (A)
\$ 34 1,2-Dichloropropane-d6	67	9.419	9.419	(0.750)	1580554	4.81805		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	10.774	10.774	(0.858)	3676271	4.99830		5.0
41 Toluene	91	Compound Not Detected.						
\$ 42 trans-1,3-Dichloropropene-d4	79	11.100	11.090	(0.884)	921491	5.35828		5.4
43 trans-1,3-Dichloropropene	75	Compound Not Detected.						
44 1,1,2-Trichloroethane	97	Compound Not Detected.						
45 Tetrachloroethene	164	11.525	11.525	(0.918)	308370	0.95408		4.7
\$ 46 2-Hexanone-d5	63	11.605	11.594	(0.924)	1198022	59.0532		59
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	12.554	12.553	(1.000)	2635781	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	172	Compound Not Detected.						
57 Isopropylbenzene	105	Compound Not Detected.						
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.116	14.116	(1.124)	679909	5.46292		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	15.342	15.332	(1.000)	1397153	5.00000		
62 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
-----	----	==	=====	=====	-----	-----	-----
\$ 63 1,2-Dichlorobenzene-d4	152	15.738	15.737	(1.026)	1053325	4.57344	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823191d2.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823191d2.d
Lab Smp Id: 823191 Client Smp ID: D01.75MED
Inj Date : 22-MAR-2010 15:11
Operator : MRV Inst ID: M.i
Smp Info : D=0 1.75% MEDIUM :[]03/17/10 @1145(WATER)
Misc Info : 823191,032210MP,4.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 15
Dil Factor: 4.90000
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	4.90000	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	8.905	7876102	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.398	6380304	4.05041975	20	0		0	32

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823191d2.d

Page 6

Date : 22-MAR-2010 15:11

Client ID: D01.75MED

Instrument: M.i

Sample Info: D=0 1.75% MEDIUM : I 103/17/10 @1145(WATER)

Purge Volume: 25.0

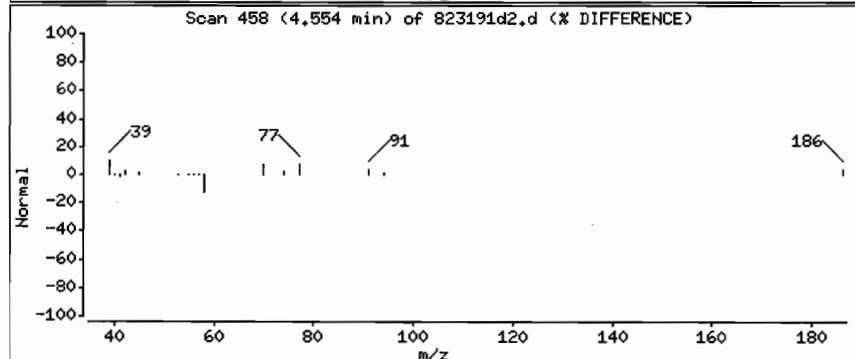
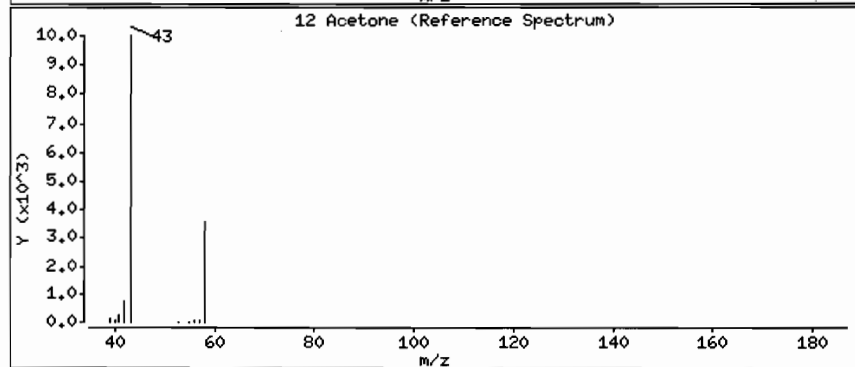
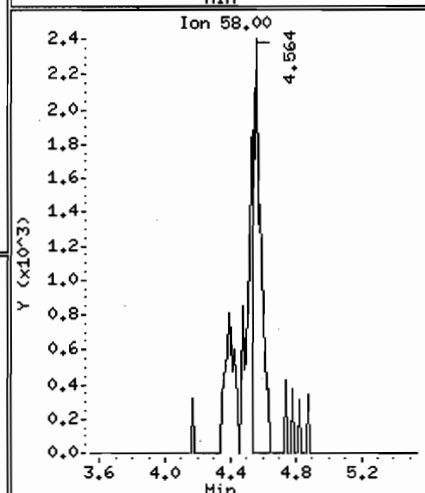
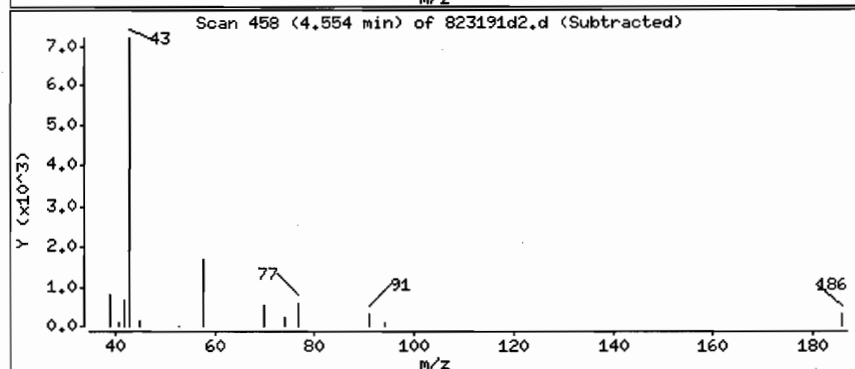
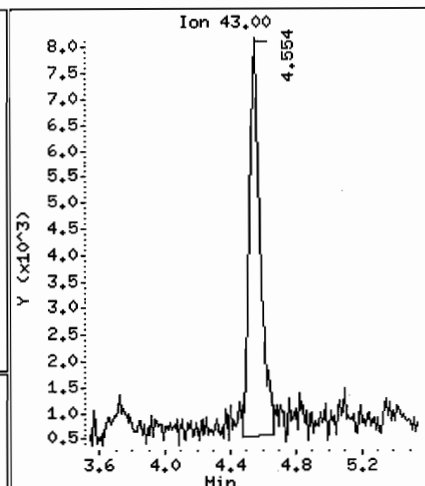
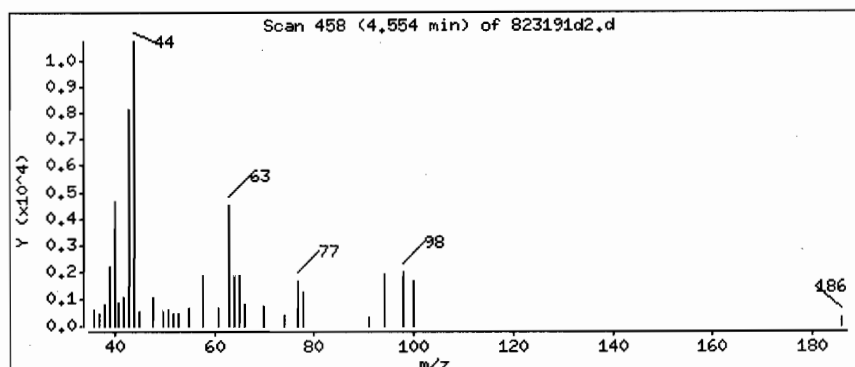
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 22 ug/L



Data File: /chem/H.i/Msivr.p/mbe fsmtr.b/823191d2.d

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Date : 22-MAR-2010 15:11

Client ID: D01.75MED

Instrument: M.i

Sample Info: D=0 1.75% MEDIUM :[103/17/10 @1145(WATER)

Purge Volume: 25.0

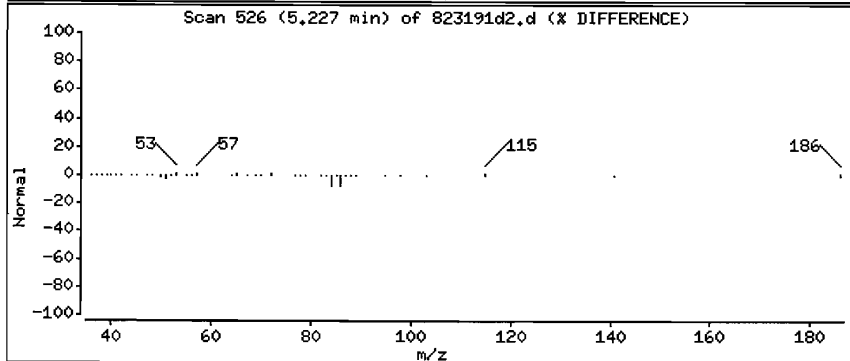
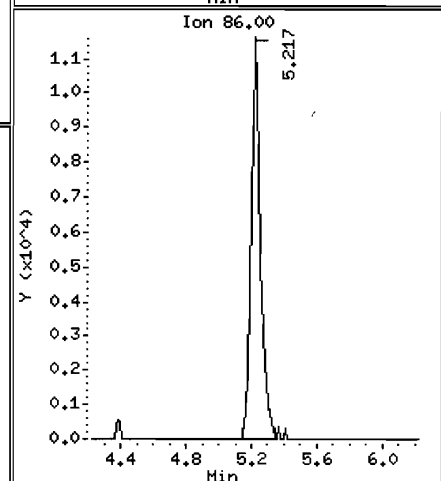
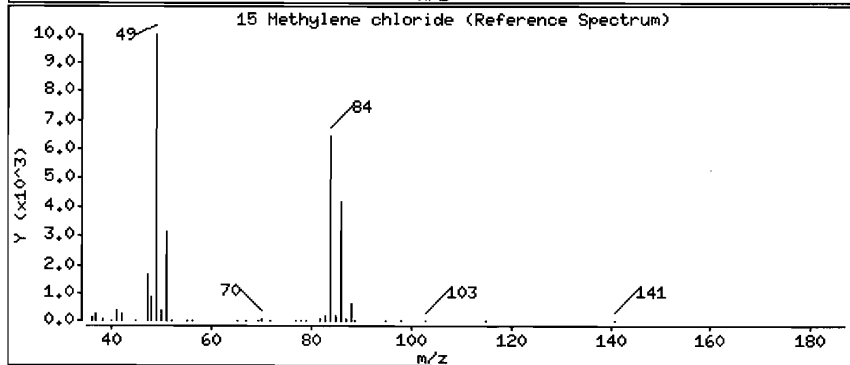
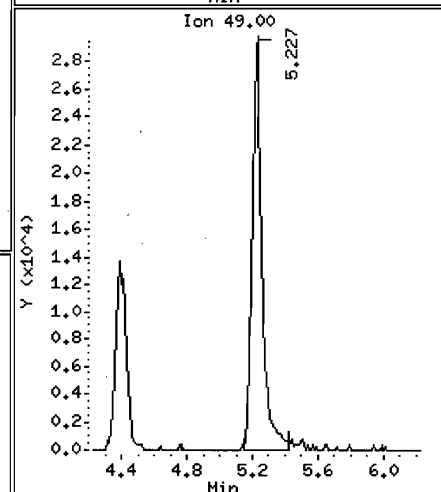
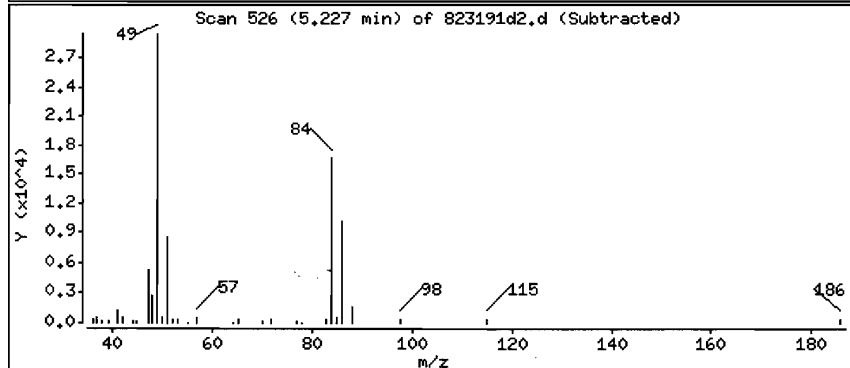
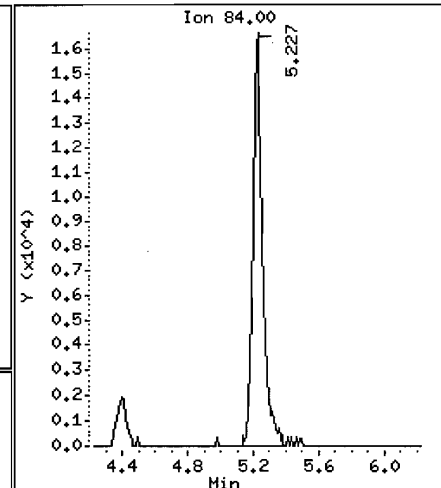
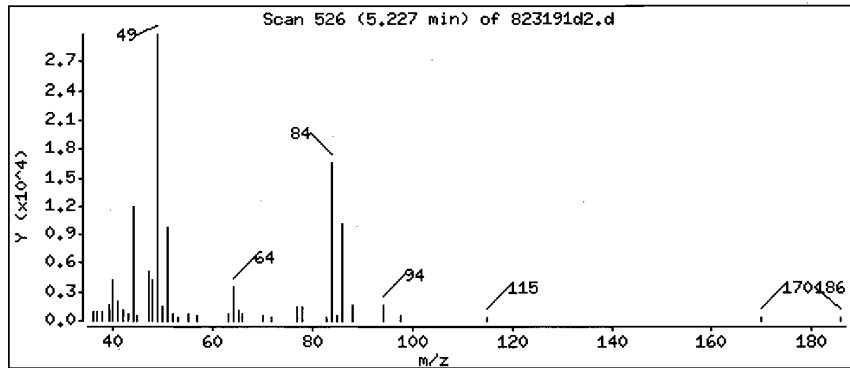
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 2.4 ug/L



Data File: /chem/M.i/Msvr.p/mbeftmtr.b/823191d2.d

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Date : 22-MAR-2010 15:11

Client ID: D01.75MED

Instrument: M.i

Sample Info: D=0 1.75% MEDIUM :[103/17/10 @1145(WATER)

Purge Volume: 25.0

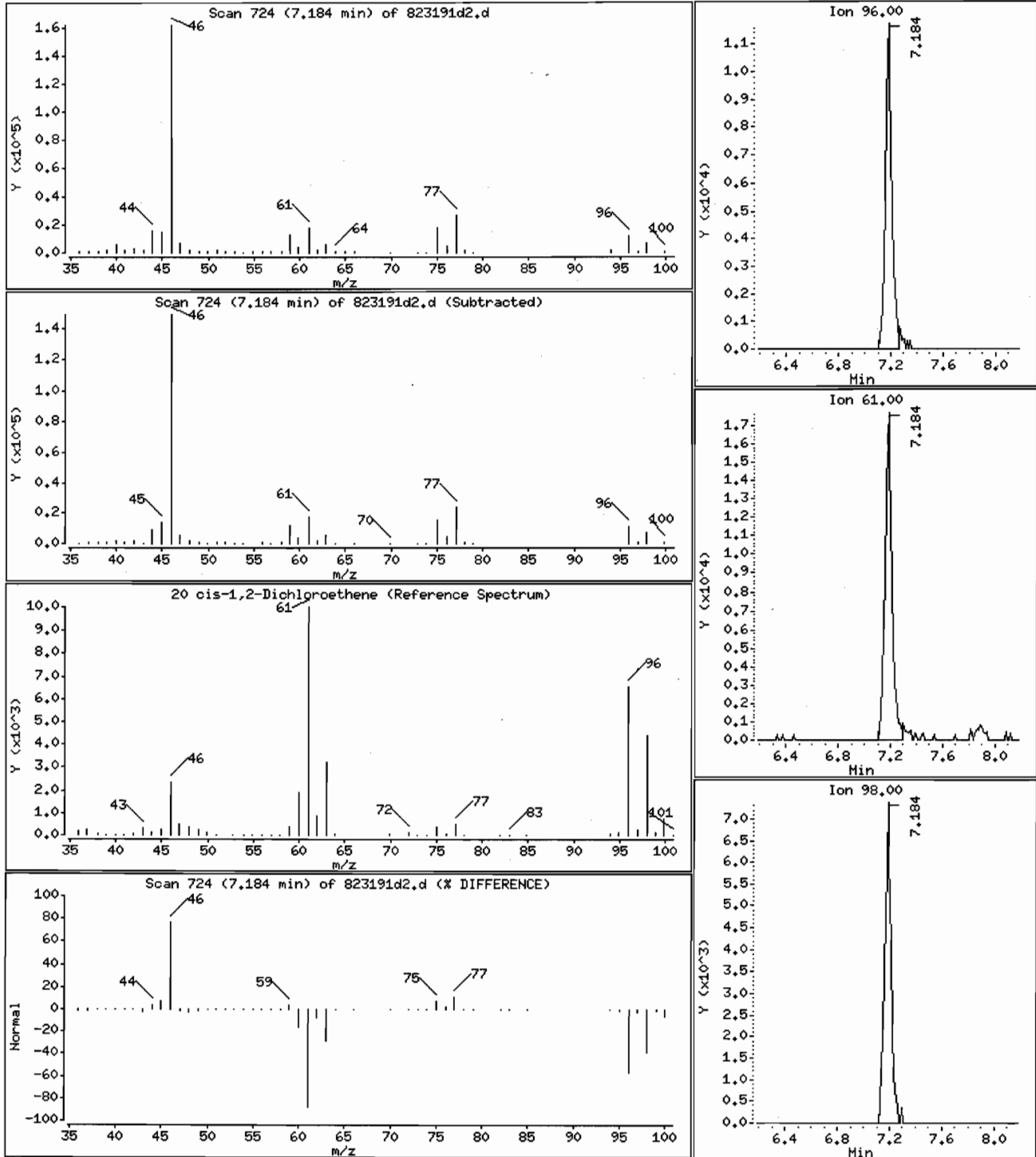
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

20 cis-1,2-Dichloroethene

Concentration: 1.0 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823191d2.d

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Date : 22-MAR-2010 15:11

Client ID: D01.75MED

Instrument: M.i

Sample Info: D=0 1.75% MEDIUM ;I 103/17/10 @1145(WATER)

Purge Volume: 25.0

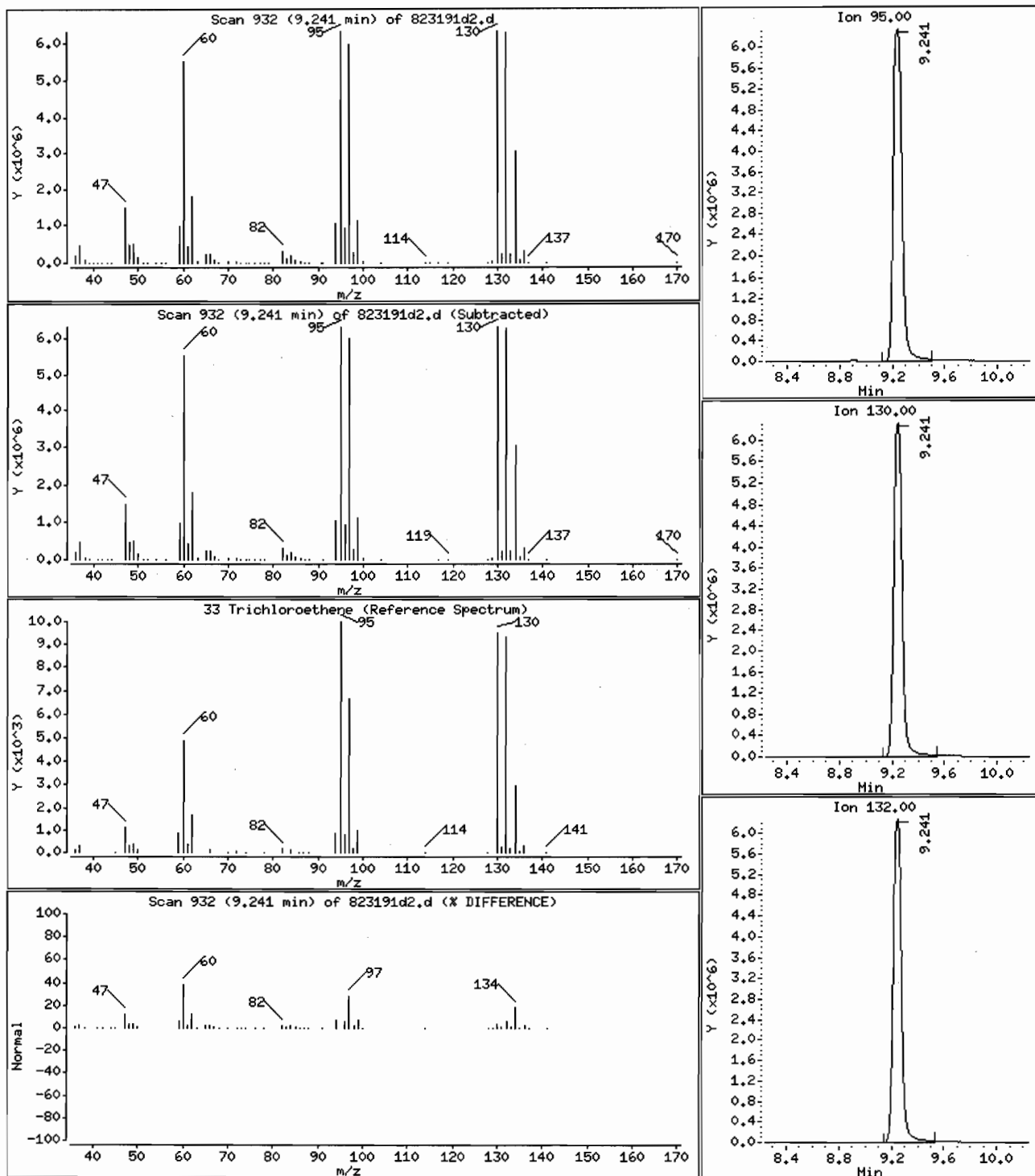
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 470 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823191d2.d

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Date : 22-MAR-2010 15:11

Client ID: D01.75MED

Instrument: M.i

Sample Info: D=0 1.75% MEDIUM ;I 103/17/10 @1145(WATER)

Purge Volume: 25.0

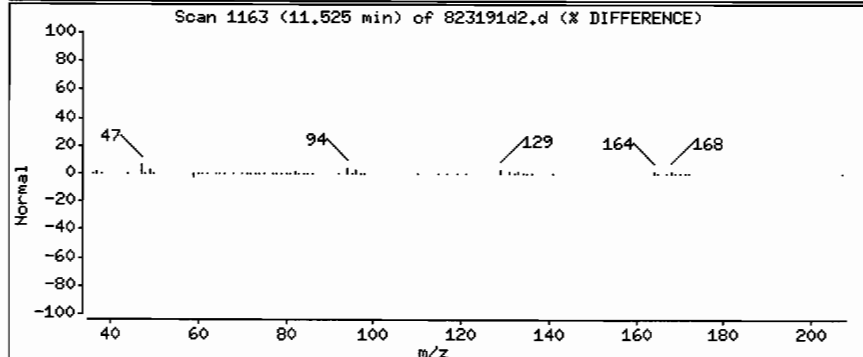
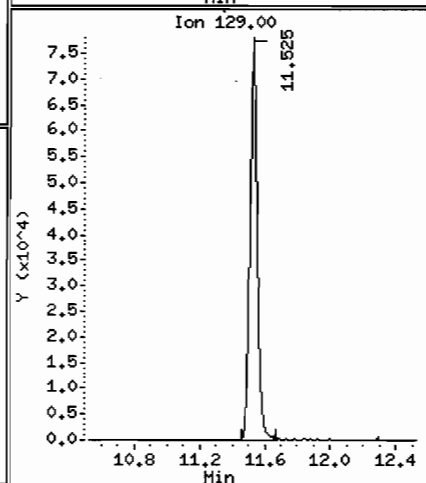
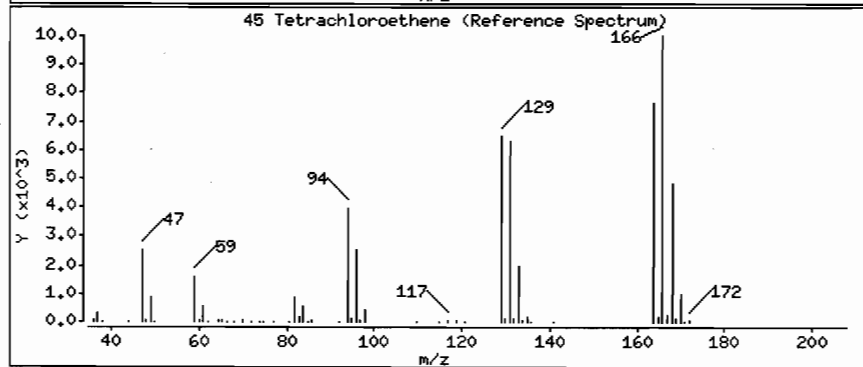
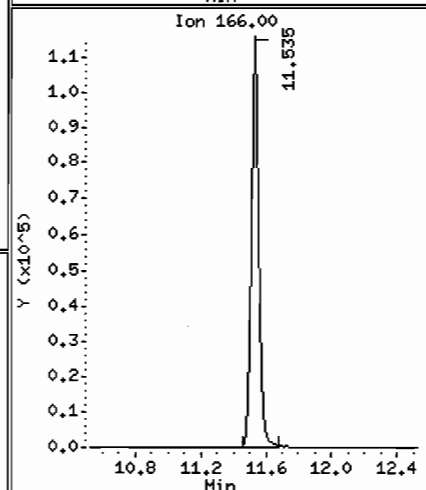
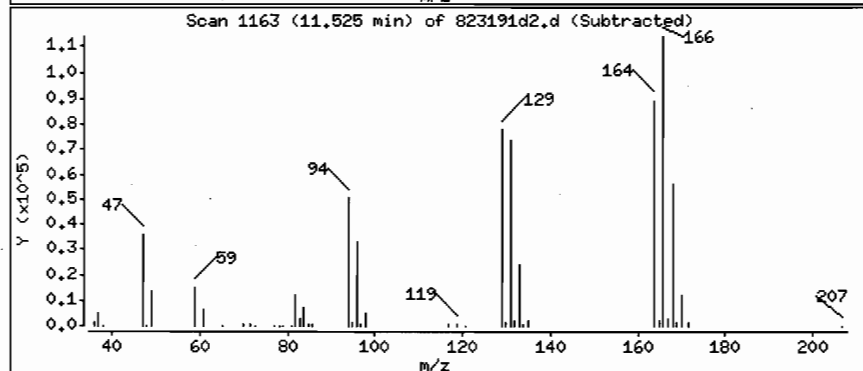
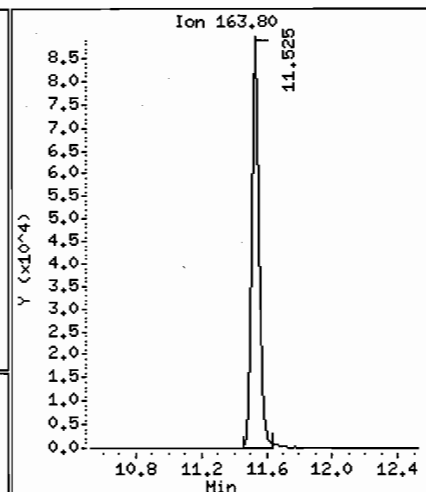
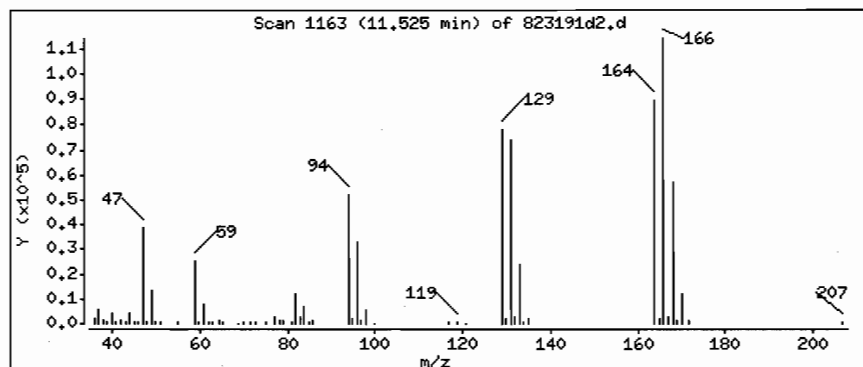
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 4.7 ug/L



Date : 22-MAR-2010 15:11

Client ID: D01.75MED

Instrument: H.i

Sample Info: D=0 1.75% MEDIUM :[103/17/10 @1145(WATER)

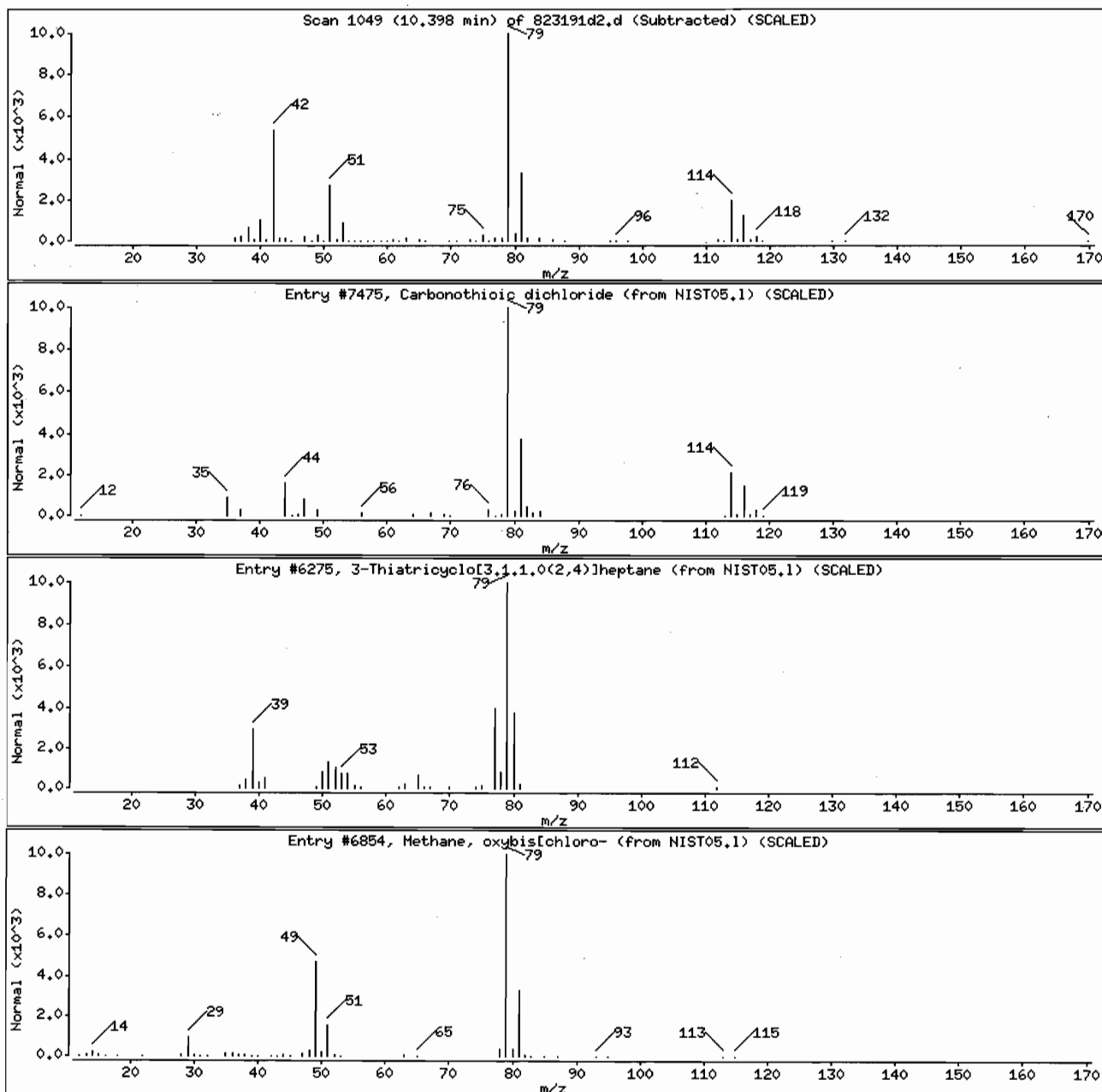
Purge Volume: 25.0

Operator: MRV

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	50	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D01.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823191D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823191D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 57.1

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	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
75-35-4	1,1-Dichloroethene	29	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29	U
67-64-1	Acetone	290	U
75-15-0	Carbon disulfide	29	U
79-20-9	Methyl acetate	29	U
75-09-2	Methylene chloride	29	U
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
156-59-2	cis-1,2-Dichloroethene	29	U
78-93-3	2-Butanone	290	U
74-97-5	Bromochloromethane	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
110-82-7	Cyclohexane	29	U
56-23-5	Carbon tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	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.
D01.75MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823191D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823191D
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 57.1
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	630	D
108-87-2	Methylcyclohexane	29	U
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	29	U
10061-02-6	trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
127-18-4	Tetrachloroethene	29	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	29	U
106-93-4	1,2-Dibromoethane	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethylbenzene	29	U
95-47-6	o-Xylene	29	U
179601-23-1	m,p-Xylene	29	U
100-42-5	Styrene	29	U
75-25-2	Bromoform	29	U
98-82-8	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-chloropropane	29	U
120-82-1	1,2,4-Trichlorobenzene	29	U
87-61-6	1,2,3-Trichlorobenzene	29	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. D01.75MEDDL

Lab Name: TESTAMERICA BURLINGTON	Contract: 29000
Lab Code: STLV Case No.: LASS	Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water	Lab Sample ID: 823191D1
Sample wt/vol: 25.0 (g/mL) mL	Lab File ID: 823191D
Level: (TRACE or LOW/MED) TRACE	Date Received: 03/19/2010
% Moisture: not dec.	Date Analyzed: 03/21/2010
GC Column: DB-624 ID: 0.53 (mm)	Dilution Factor: 57.1
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Purge Volume: 25.0 (mL)

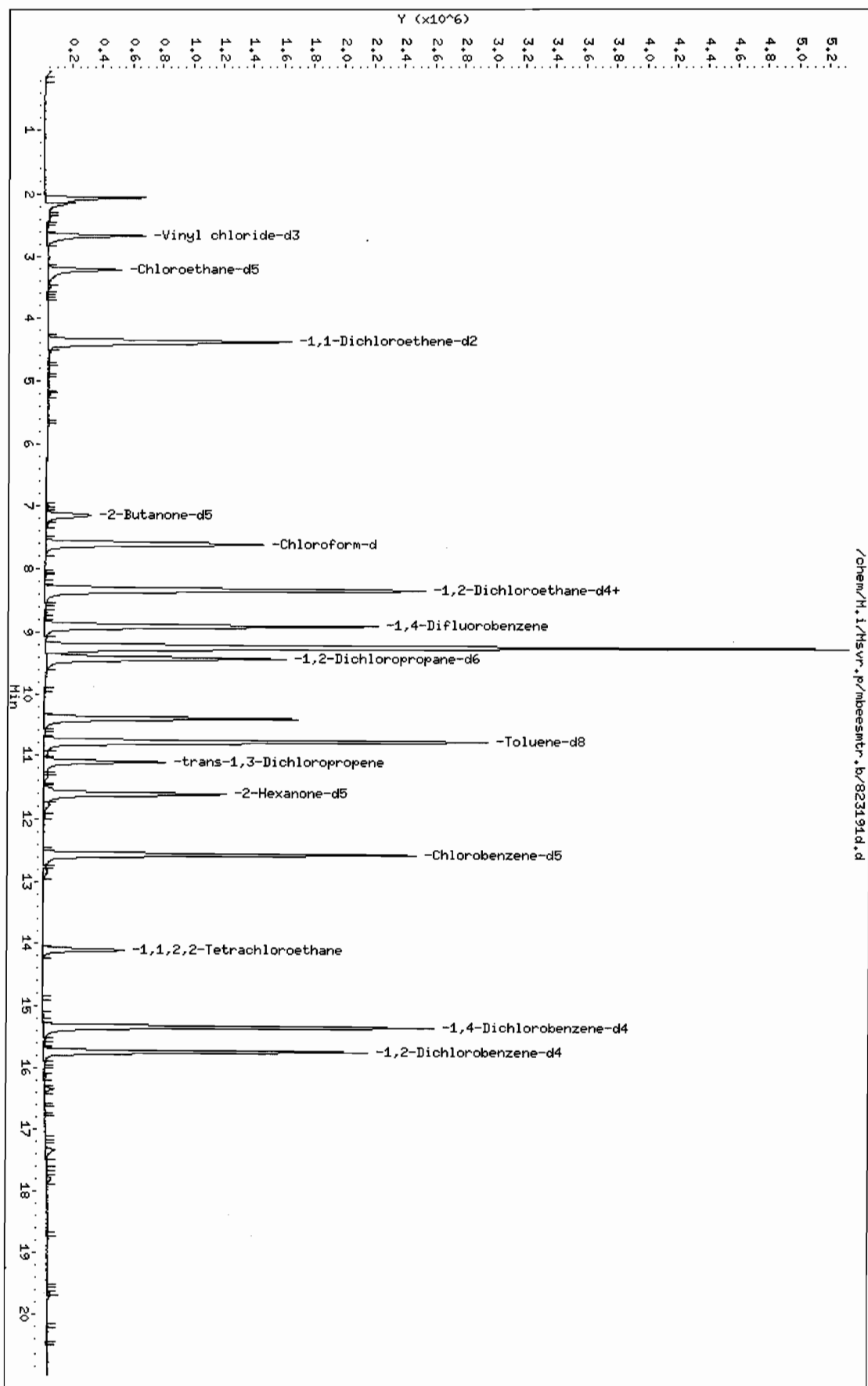
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	210	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsyr.p/mbeesmtr.b/823191d.d
Date: 21-MAR-2010 14:33
Client ID: D01.75MEDDL
Sample Info: D=0 1.75% MEDIUM : (103/17/10 @1145(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: JPl
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823191d.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823191d.d
Lab Smp Id: 823191D1 Client Smp ID: D01.75MEDDL
Inj Date : 21-MAR-2010 14:33
Operator : JPl Inst ID: M.i
Smp Info : D=0 1.75% MEDIUM :[]03/17/10 @1145(WATER)
Misc Info : 823191,032110MO,57.1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 3
Dil Factor: 57.10000
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	57.10000	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	FINAL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane		85				Compound Not Detected.		
2 Chloromethane		50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3		65	2.658	2.663	(0.298)	1396144	5.40888	5.4(a)
4 Vinyl chloride		62				Compound Not Detected.		
5 Bromomethane		94				Compound Not Detected.		
\$ 6 Chloroethane-d5		69	3.211	3.216	(0.361)	1148972	5.31798	5.3(a)
7 Chloroethane		64				Compound Not Detected.		
8 Trichlorofluoromethane		101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2		63	4.388	4.393	(0.493)	2724804	4.40795	4.4(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	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	7.157	7.152	(0.803)	924073	55.4960	55 (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	7.612	7.617	(0.855)	2361720	5.31575	5.3 (aQ)
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	8.333	8.329	(0.936)	680450	5.82616	5.8 (aQ)
\$ 29 Benzene-d6	84	8.343	8.339	(0.665)	3517069	5.27709	5.3 (a)
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.907	8.902	(1.000)	3294588	5.00000	
33 Trichloroethene	95	9.243	9.238	(0.737)	3613906	11.0347	630
\$ 34 1,2-Dichloropropane-d6	67	9.431	9.416	(0.752)	1529993	4.72589	4.7 (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	10.776	10.771	(0.859)	3654602	5.03485	5.0 (a)
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.092	11.088	(0.884)	823545	4.85236	4.9 (a)
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.597	11.592	(0.924)	994919	49.6933	50 (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	12.546	12.541	(1.000)	2601224	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.098	14.103	(1.124)	586091	4.77167	4.8 (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	15.334	15.330	(1.000)	1276051	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823191d.d
Report Date: 25-Mar-2010 10:23

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.730	15.725	(1.026)	960723	4.56725	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823191d.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823191d.d
Lab Smp Id: 823191D1 Client Smp ID: D01.75MEDDL
Inj Date : 21-MAR-2010 14:33
Operator : JPl Inst ID: M.i
Smp Info : D=0 1.75% MEDIUM : [] 03/17/10 @1145(WATER)
Misc Info : 823191,032110MO,57.1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 3
Dil Factor: 57.10000
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	57.10000	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	8.907	8207106	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown							
10.400	5902674	3.59607496	210	0		0	32

CAS #:

Data File: /chem/M.i/Msvr.p/mbeesmr.b/823191d.d

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Date : 21-MAR-2010 14:33

Client ID: D01.75MEDDL

Instrument: M.i

Sample Info: D=0 1.75% MEDIUM ;I 103/17/10 @1145(WATER)

Purge Volume: 25.0

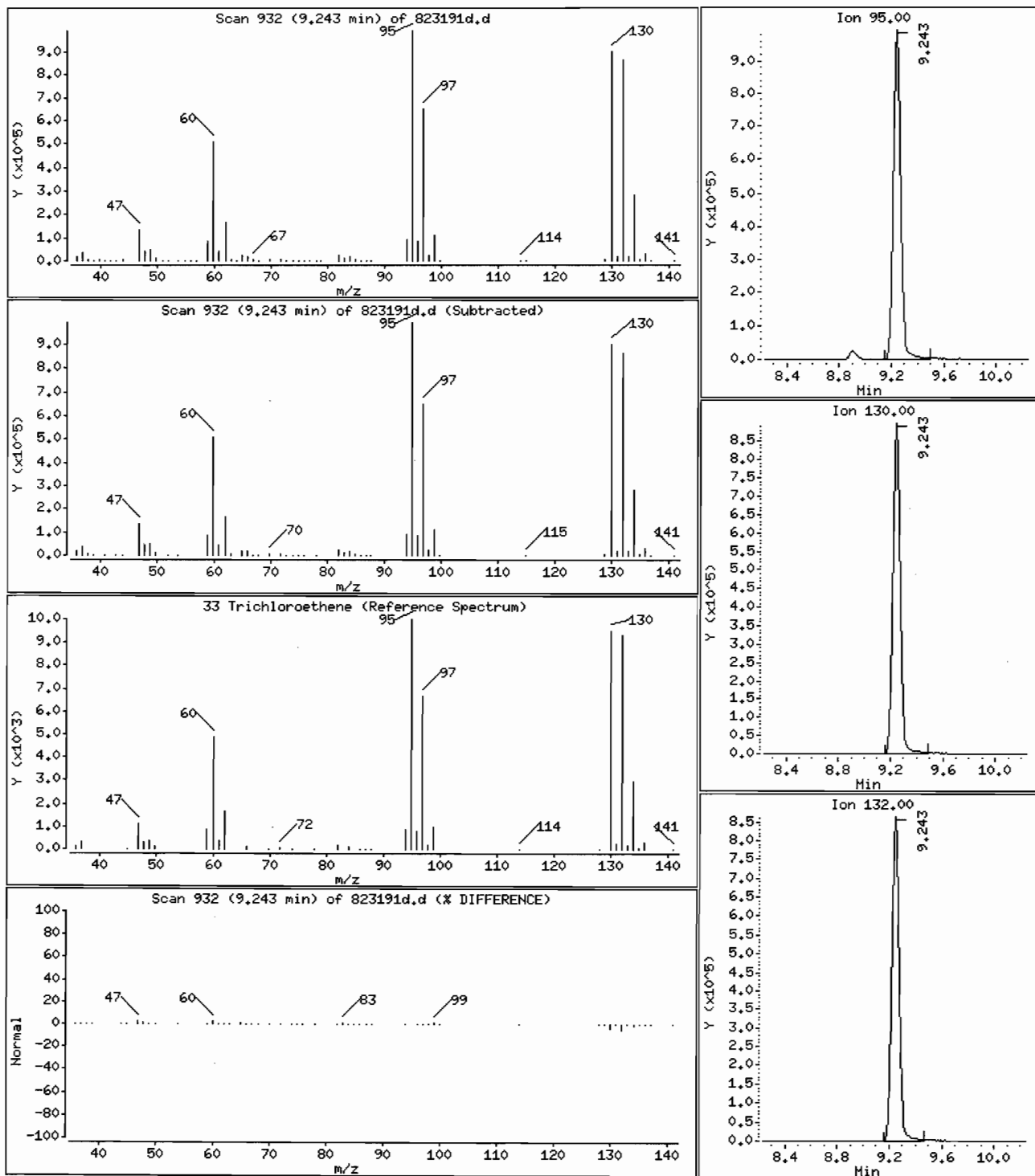
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 630 ug/L



Date : 21-MAR-2010 14:33

Client ID: D01.75MEDDL

Instrument: M.i

Sample Info: D=0 1.75% MEDIUM ;I 103/17/10 @1145(WATER)

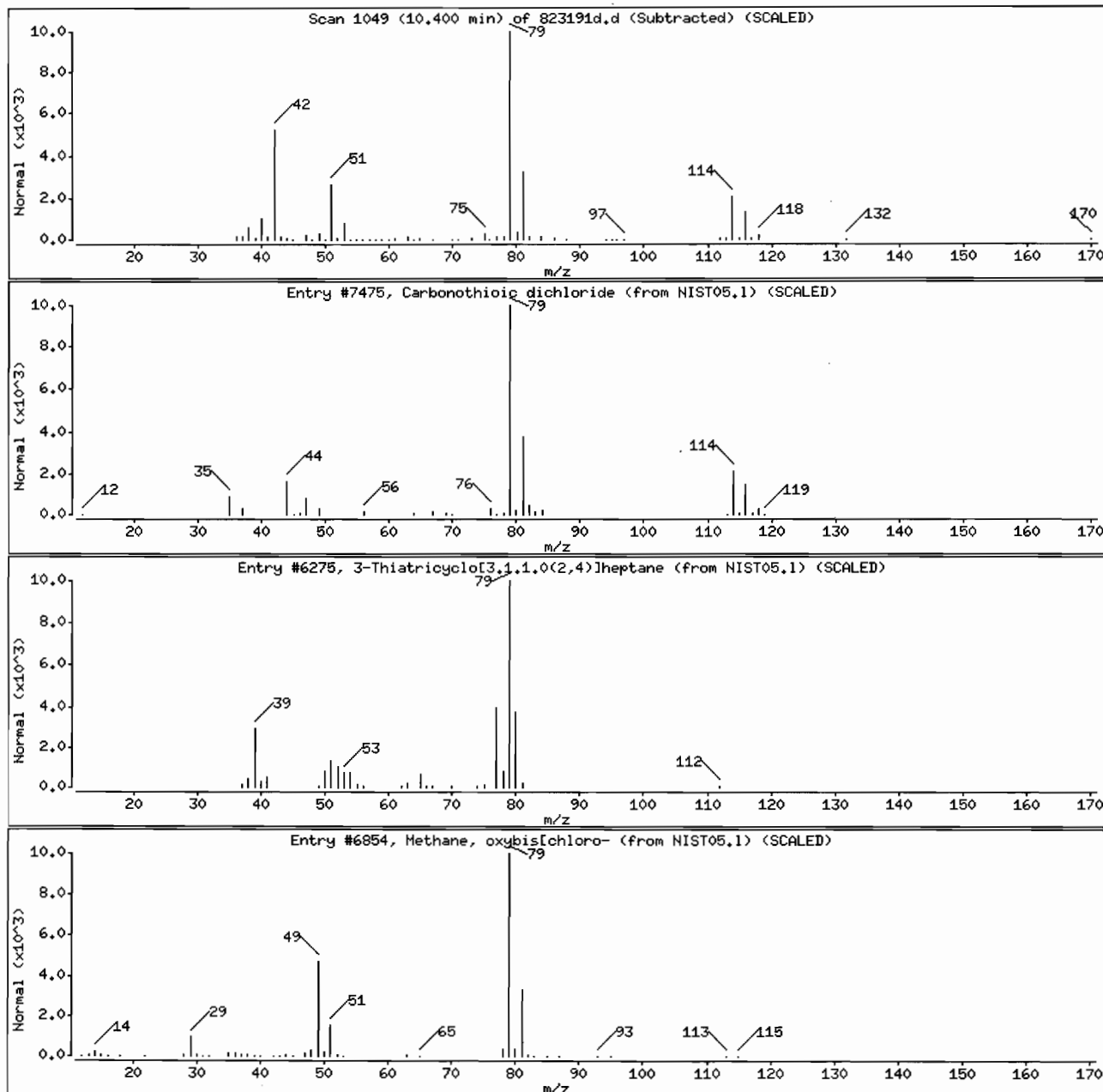
Purge Volume: 25.0

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	38	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.

D02.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.7

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	2.4	U
74-87-3	Chloromethane	2.4	U
75-01-4	Vinyl chloride	2.4	U
74-83-9	Bromomethane	2.4	U
75-00-3	Chloroethane	2.4	U
75-69-4	Trichlorofluoromethane	2.4	U
75-35-4	1,1-Dichloroethene	2.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.4	U
67-64-1	Acetone	26	
75-15-0	Carbon disulfide	2.4	U
79-20-9	Methyl acetate	2.4	U
75-09-2	Methylene chloride	3.3	
156-60-5	trans-1,2-Dichloroethene	2.4	U
1634-04-4	Methyl tert-butyl ether	2.4	U
75-34-3	1,1-Dichloroethane	2.4	U
156-59-2	cis-1,2-Dichloroethene	2.4	U
78-93-3	2-Butanone	24	U
74-97-5	Bromochloromethane	2.4	U
67-66-3	Chloroform	2.4	U
71-55-6	1,1,1-Trichloroethane	2.4	U
110-82-7	Cyclohexane	2.4	U
56-23-5	Carbon tetrachloride	2.4	U
71-43-2	Benzene	2.4	U
107-06-2	1,2-Dichloroethane	2.4	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.

D02.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.7

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	430	E
108-87-2	Methylcyclohexane	2.4	U
78-87-5	1,2-Dichloropropane	2.4	U
75-27-4	Bromodichloromethane	2.4	U
10061-01-5	cis-1,3-Dichloropropene	2.4	U
108-10-1	4-Methyl-2-pentanone	24	U
108-88-3	Toluene	2.4	U
10061-02-6	trans-1,3-Dichloropropene	2.4	U
79-00-5	1,1,2-Trichloroethane	2.4	U
127-18-4	Tetrachloroethene	4.9	
591-78-6	2-Hexanone	24	U
124-48-1	Dibromochloromethane	2.4	U
106-93-4	1,2-Dibromoethane	2.4	U
108-90-7	Chlorobenzene	2.4	U
100-41-4	Ethylbenzene	2.4	U
95-47-6	o-Xylene	2.4	U
179601-23-1	m,p-Xylene	2.4	U
100-42-5	Styrene	2.4	U
75-25-2	Bromoform	2.4	U
98-82-8	Isopropylbenzene	2.4	U
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U
541-73-1	1,3-Dichlorobenzene	2.4	U
106-46-7	1,4-Dichlorobenzene	2.4	U
95-50-1	1,2-Dichlorobenzene	2.4	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	U
120-82-1	1,2,4-Trichlorobenzene	2.4	U
87-61-6	1,2,3-Trichlorobenzene	2.4	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D02.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 4.7

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	10.39	19	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		

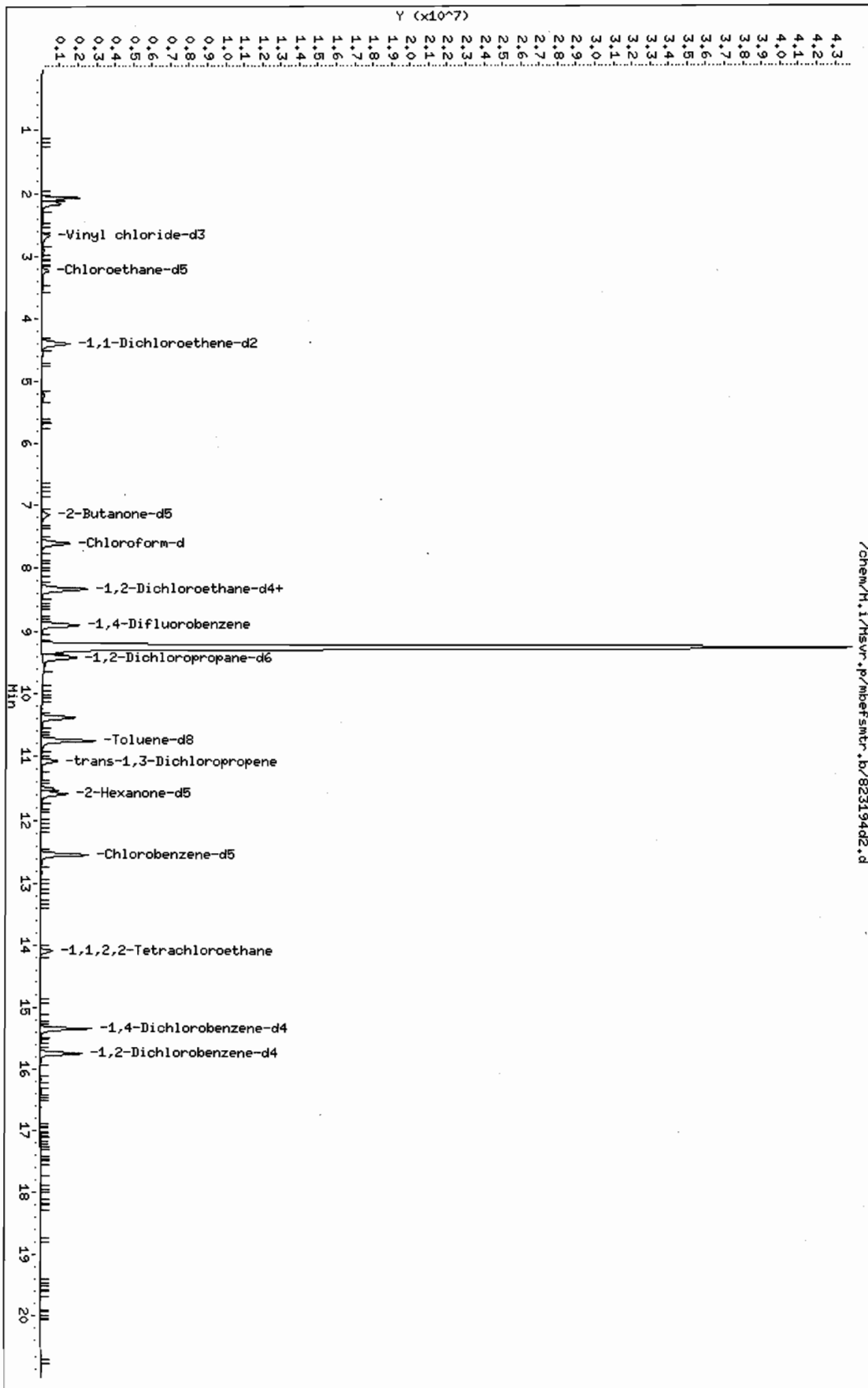
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.I./Hsvr.p/mbe/smr.b/823194d2.d
Date: 22-MAR-2010 18:22
Client ID: D02.0HIGH
Sample Info: D=0 2.0% HIGH :t 103/17/10 @1225(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.I
Operator: HKV
Column diameter: 0.53

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Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823194d2.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823194d2.d
Lab Smp Id: 823194 Client Smp ID: D02.0HIGH
Inj Date : 22-MAR-2010 18:22
Operator : MRV Inst ID: M.i
Smp Info : D=0 2.0% HIGH : [] 03/17/10 @1225 (WATER)
Misc Info : 823194,032210MP,4.7,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 21
Dil Factor: 4.70000
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	4.70000	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	FINAL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		2.657	2.665	(0.299)	1266482	5.41430	5.4
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		3.221	3.219	(0.362)	1035607	5.28930	5.3
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		4.397	4.396	(0.494)	2560667	4.57110	4.6
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		4.546	4.544	(0.511)	43142	5.46545	26
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	5.228	5.226	(0.588)	101137	0.70765	3.3
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	7.156	7.164	(0.804)	1119420	74.1846	74
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	7.621	7.619	(0.857)	2389562	5.93499	5.9 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.323	8.331	(0.936)	706795	6.67799	6.7 (QR)
\$ 29 Benzene-d6	84	8.333	8.341	(0.664)	3276795	4.91145	4.9
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.897	8.905	(1.000)	2985626	5.00000	
33 Trichloroethene	95	9.233	9.241	(0.736)	30338187	92.5376	430 (A)
\$ 34 1,2-Dichloropropane-d6	67	9.421	9.419	(0.751)	1544376	4.76534	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	10.765	10.774	(0.858)	3561588	4.90158	4.9
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	11.092	11.090	(0.884)	901766	5.30770	5.3
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	11.517	11.525	(0.918)	330139	1.03392	4.9
\$ 46 2-Hexanone-d5	63	11.596	11.594	(0.924)	1170135	58.3838	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	12.545	12.553	(1.000)	2603941	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.108	14.116	(1.125)	657819	5.35006	5.4
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	15.334	15.332	(1.000)	1384426	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	----	--	-----	-----	-----	-----	-----
\$ 63 1,2-Dichlorobenzene-d4	152	15.729	15.737	(1.026)	1011480	4.43212	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 exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823194d2.d
Report Date: 25-Mar-2010 10:40

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823194d2.d
Lab Smp Id: 823194 Client Smp ID: D02.0HIGH
Inj Date : 22-MAR-2010 18:22
Operator : MRV Inst ID: M.i
Smp Info : D=0 2.0% HIGH :[]03/17/10 @1225(WATER)
Misc Info : 823194,032210MP,4.7,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 21
Dil Factor: 4.70000
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	4.70000	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	8.897	7802348	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.390	6221444	3.98690447	19	0		0	32

Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823194d2.d

Page 6

Date : 22-MAR-2010 18:22

Client ID: D02.0HIGH

Instrument: M.i

Sample Info: D=0 2.0% HIGH :I 103/17/10 @1225(WATER)

Purge Volume: 25.0

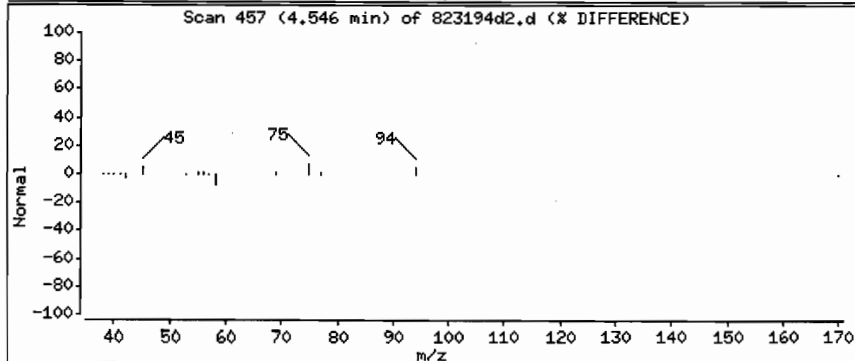
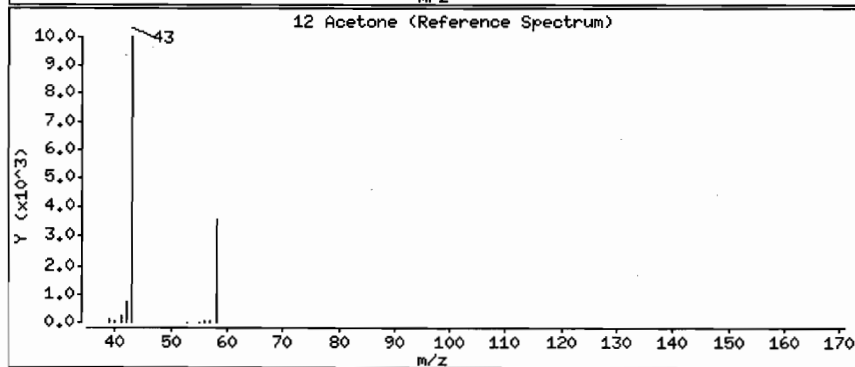
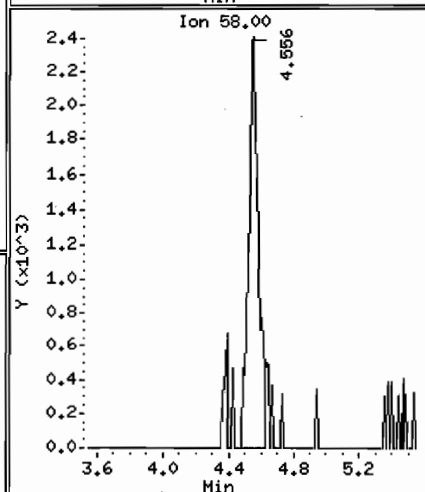
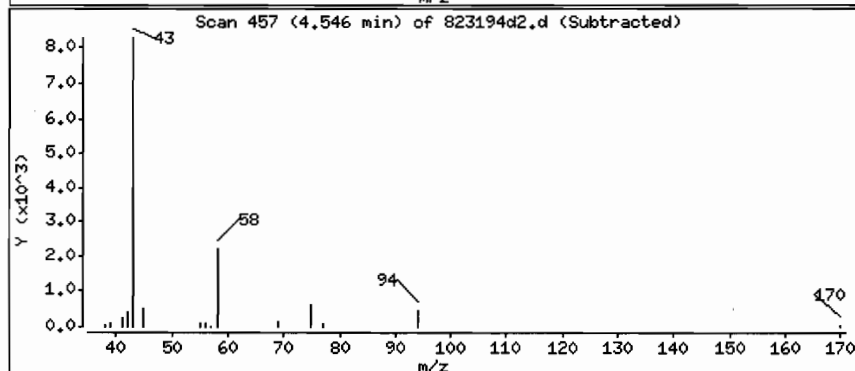
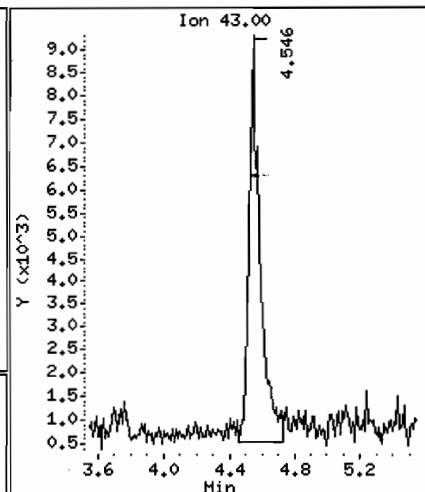
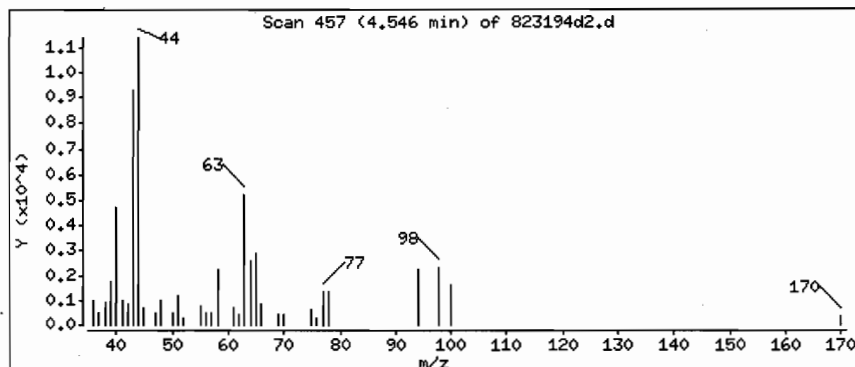
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 26 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823194d2.d

Page 7

Date : 22-MAR-2010 18:22

Client ID: D02.0HIGH

Instrument: M.i

Sample Info: D=0 2.0% HIGH ;[103/17/10 @1225(WATER)

Purge Volume: 25.0

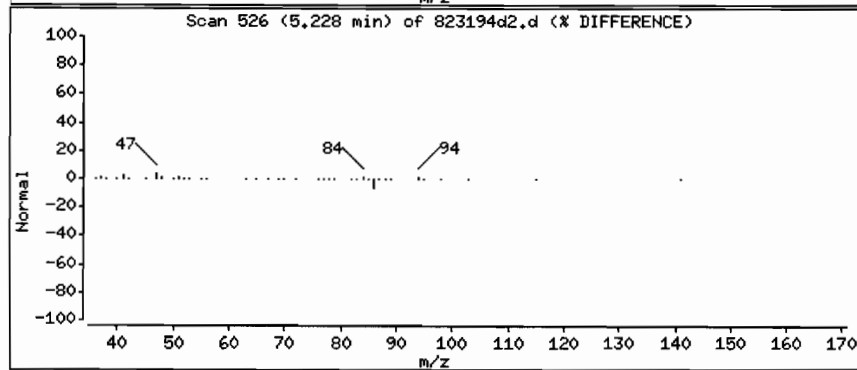
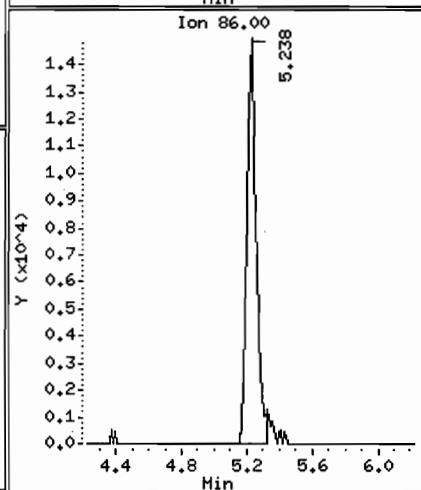
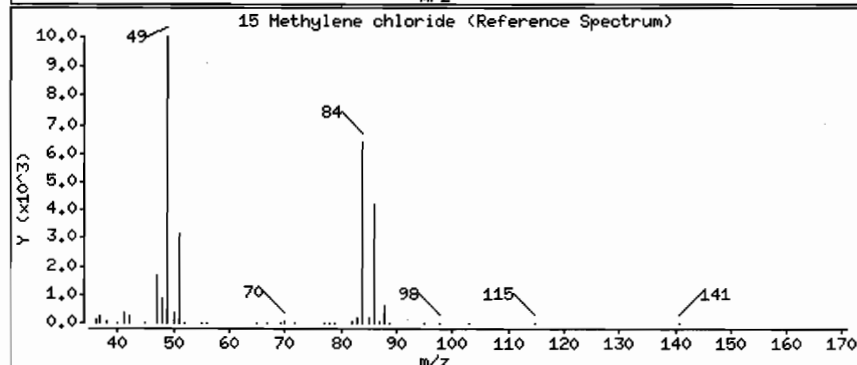
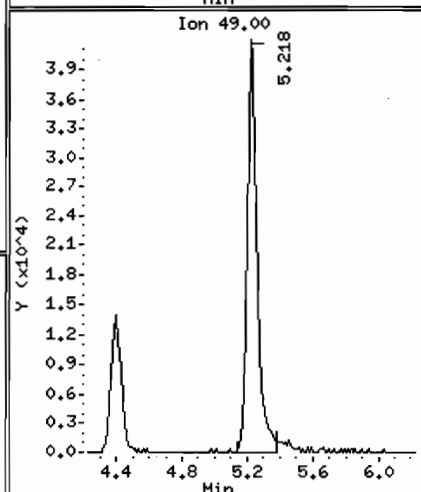
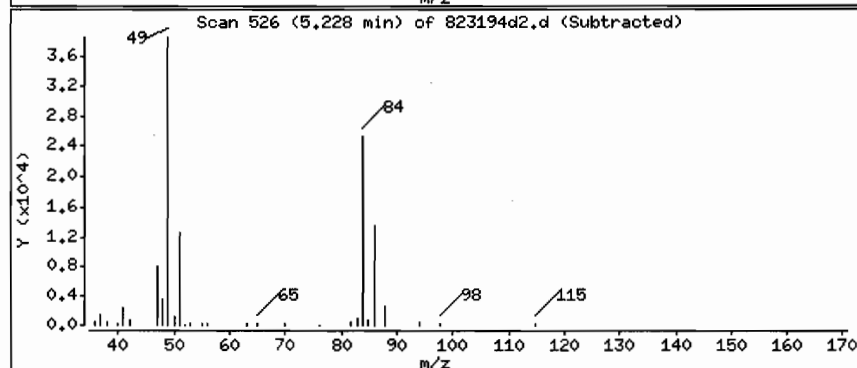
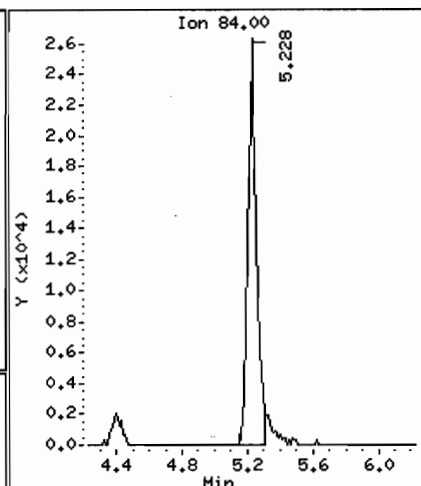
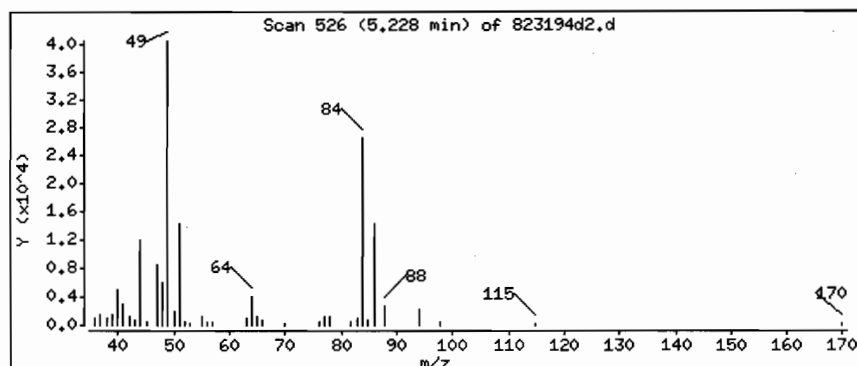
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 3.3 ug/L



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823194d2.d

Page 8

Date : 22-MAR-2010 18:22

Client ID: D02.0HIGH

Instrument: H.i

Sample Info: D=0 2.0% HIGH ;I 103/17/10 @1225(WATER)

Purge Volume: 25.0

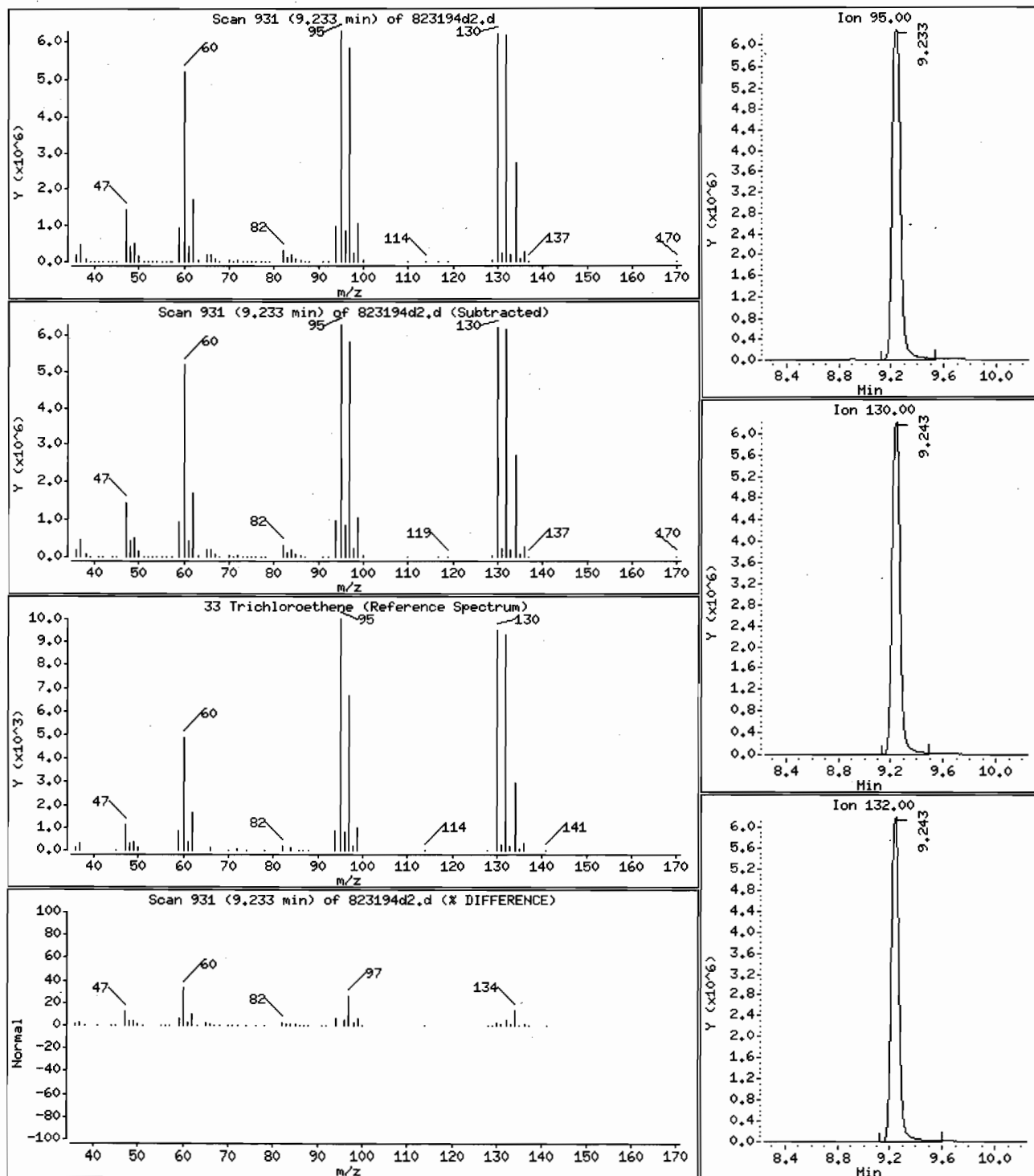
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 430 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823194d2.d

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Date : 22-MAR-2010 18:22

Client ID: D02.0HIGH

Instrument: M.i

Sample Info: D=0 2.0% HIGH :[103/17/10 @1225(WATER)

Purge Volume: 25.0

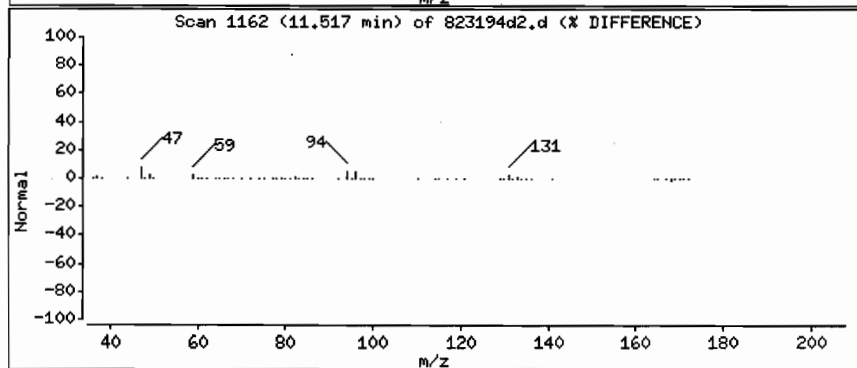
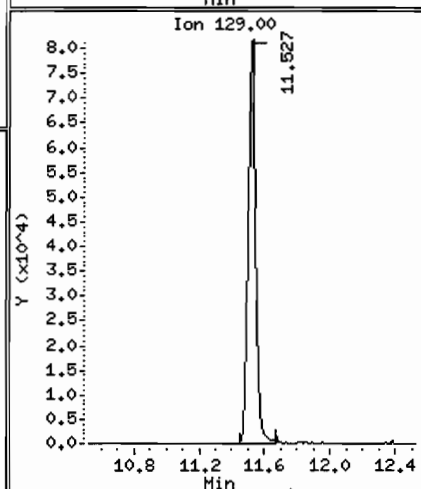
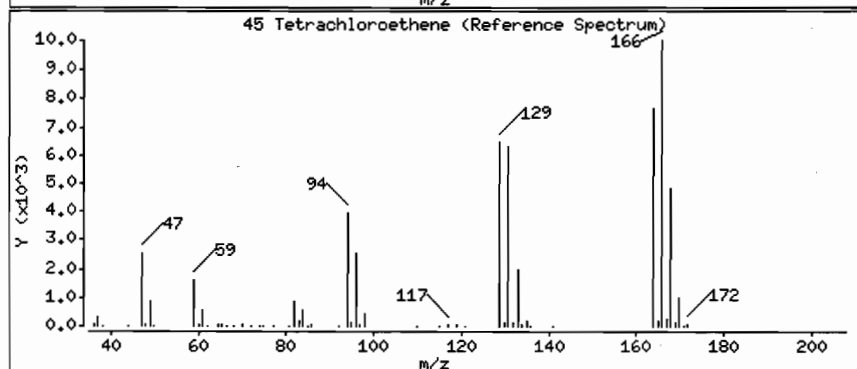
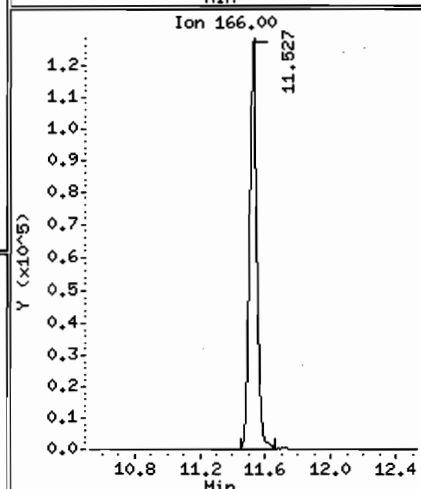
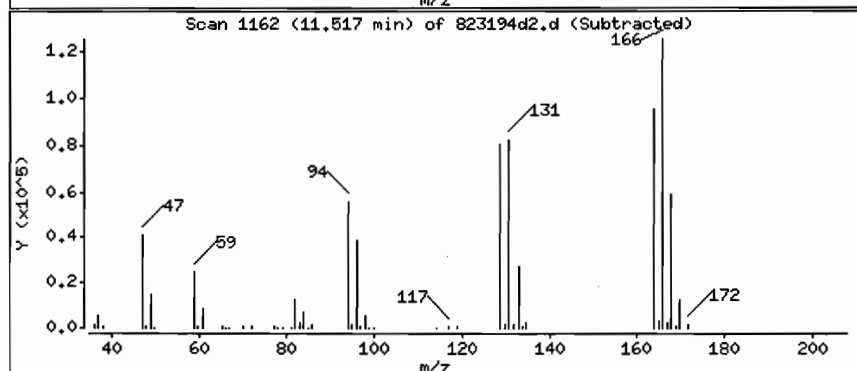
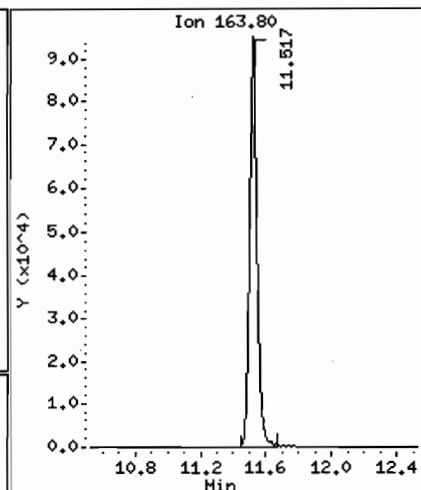
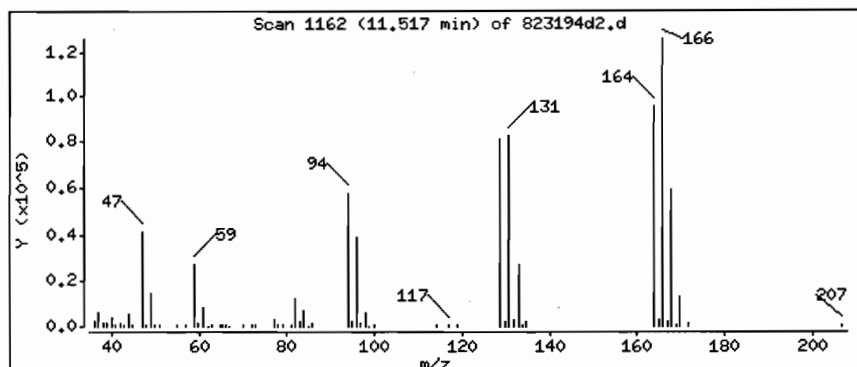
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 4.9 ug/L



Date : 22-MAR-2010 18:22

Client ID: D02.0HIGH

Instrument: H.i

Sample Info: D=0 2.0% HIGH :[103/17/10 @1225(WATER)

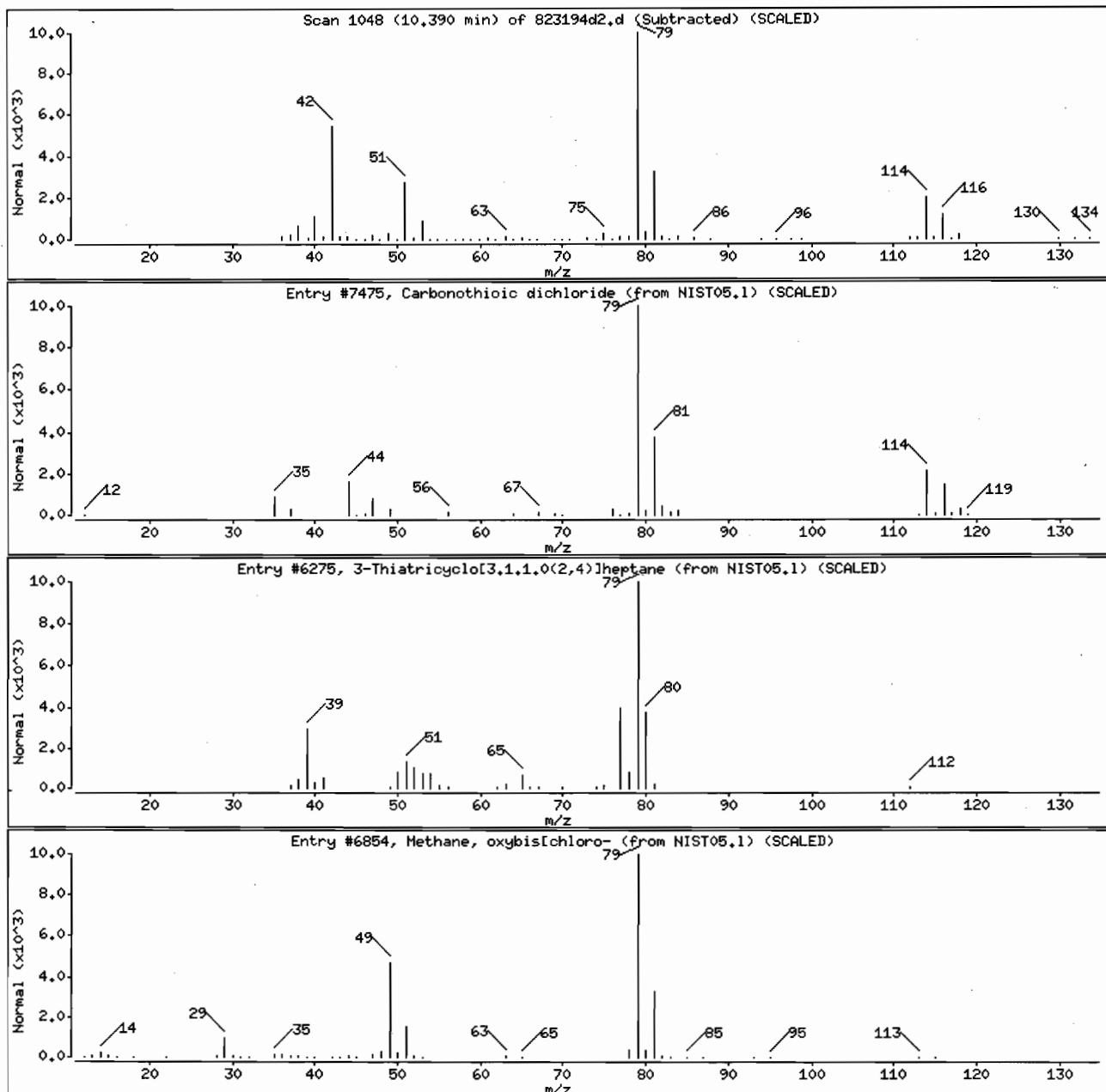
Purge Volume: 25.0

Operator: MRV

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	38	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823194D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823194D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 53.7

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	27	U
74-87-3	Chloromethane	27	U
75-01-4	Vinyl chloride	27	U
74-83-9	Bromomethane	27	U
75-00-3	Chloroethane	27	U
75-69-4	Trichlorofluoromethane	27	U
75-35-4	1,1-Dichloroethene	27	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27	U
67-64-1	Acetone	270	U
75-15-0	Carbon disulfide	27	U
79-20-9	Methyl acetate	27	U
75-09-2	Methylene chloride	27	U
156-60-5	trans-1,2-Dichloroethene	27	U
1634-04-4	Methyl tert-butyl ether	27	U
75-34-3	1,1-Dichloroethane	27	U
156-59-2	cis-1,2-Dichloroethene	27	U
78-93-3	2-Butanone	270	U
74-97-5	Bromochloromethane	27	U
67-66-3	Chloroform	27	U
71-55-6	1,1,1-Trichloroethane	27	U
110-82-7	Cyclohexane	27	U
56-23-5	Carbon tetrachloride	27	U
71-43-2	Benzene	27	U
107-06-2	1,2-Dichloroethane	27	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.
D02.0HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823194D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823194D
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 53.7
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	570	D
108-87-2	Methylcyclohexane	27	U
78-87-5	1,2-Dichloropropane	27	U
75-27-4	Bromodichloromethane	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
108-10-1	4-Methyl-2-pentanone	270	U
108-88-3	Toluene	27	U
10061-02-6	trans-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
127-18-4	Tetrachloroethene	27	U
591-78-6	2-Hexanone	270	U
124-48-1	Dibromochloromethane	27	U
106-93-4	1,2-Dibromoethane	27	U
108-90-7	Chlorobenzene	27	U
100-41-4	Ethylbenzene	27	U
95-47-6	o-Xylene	27	U
179601-23-1	m,p-Xylene	27	U
100-42-5	Styrene	27	U
75-25-2	Bromoform	27	U
98-82-8	Isopropylbenzene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
541-73-1	1,3-Dichlorobenzene	27	U
106-46-7	1,4-Dichlorobenzene	27	U
95-50-1	1,2-Dichlorobenzene	27	U
96-12-8	1,2-Dibromo-3-chloropropane	27	U
120-82-1	1,2,4-Trichlorobenzene	27	U
87-61-6	1,2,3-Trichlorobenzene	27	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D02.0HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823194D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823194D
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 53.7
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	=====	=====	=====	=====	=====
02		Unknown	10.40	190	JXBD
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		

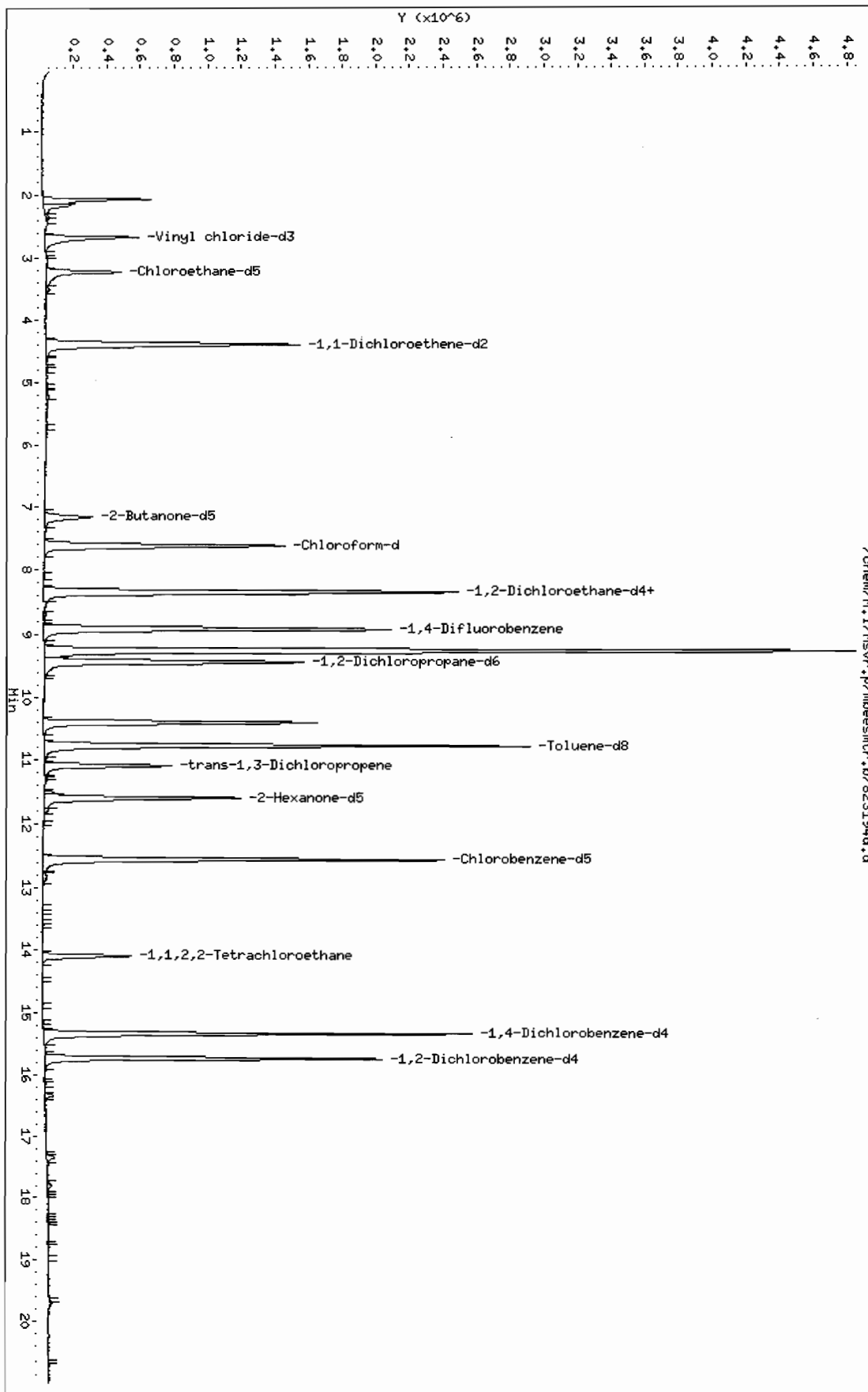
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesmr.b/823194d.d
Date: 21-Mar-2010 16:08
Client ID: D02.OHCHDL
Sample Info: D=0 2.0X HIGH: t 103/17/10 @1225(WATER)
Purge Volume: 25.0
Column Phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53

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Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823194d.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823194d.d
Lab Smp Id: 823194D1 Client Smp ID: D02.0HIGHDL
Inj Date : 21-MAR-2010 16:08
Operator : JP1 Inst ID: M.i
Smp Info : D=0 2.0% HIGH : [] 03/17/10 @1225(WATER)
Misc Info : 823194,032110MO,53.7,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 6
Dil Factor: 53.70000
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	53.70000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.653	2.663	(0.298)	1314802	5.32866	5.3 (a)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.216	3.216	(0.361)	1075404	5.20702	5.2 (a)
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.383	4.393	(0.492)	2589498	4.38225	4.4 (a)
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.162	7.152	(0.804)	902762	56.7164	57 (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	7.617	7.617	(0.855)	2285203	5.38072	5.4 (aQ)
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	8.328	8.329	(0.935)	657961	5.89341	5.9 (aQ)
\$ 29 Benzene-d6	84	8.338	8.339	(0.665)	3385154	5.36396	5.4 (a)
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	8.912	8.902	(1.000)	3149352	5.00000	
33 Trichloroethene	95	9.238	9.238	(0.737)	3314512	10.6880	570
\$ 34 1,2-Dichloropropane-d6	67	9.426	9.416	(0.752)	1467184	4.78599	4.8 (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	10.771	10.771	(0.859)	3515914	5.11538	5.1 (a)
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	11.097	11.088	(0.885)	795745	4.95146	5.0 (a)
43 trans-1,3-Dichloropropene	75		Compound Not Detected.				
44 1,1,2-Trichloroethane	97		Compound Not Detected.				
45 Tetrachloroethene	163		Compound Not Detected.				
\$ 46 2-Hexanone-d5	63	11.602	11.592	(0.925)	967219	51.0186	51 (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	12.541	12.541	(1.000)	2463111	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	172		Compound Not Detected.				
57 Isopropylbenzene	105		Compound Not Detected.				
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.103	14.103	(1.125)	562587	4.83714	4.8 (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	15.329	15.330	(1.000)	1223041	5.00000	(Q)
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.735	15.725	(1.026)	941169	4.66822	4.7 (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).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823194d.d
Lab Smp Id: 823194D1 Client Smp ID: D02.0HIGHDL
Inj Date : 21-MAR-2010 16:08
Operator : JP1 Inst ID: M.i
Smp Info : D=0 2.0% HIGH : [] 03/17/10 @1225 (WATER)
Misc Info : 823194,032110MO,53.7,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 6
Dil Factor: 53.70000
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	53.70000	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	8.912	7942207	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.395	5712615	3.59636441	190	0		0	32

Data File: /chem/M.i/Msvr.p/mbeesmr.b/823194d.d

Page 6

Date : 21-MAR-2010 16:08

Client ID: D02.0HIGHDL

Instrument: M.i

Sample Info: D=0 2.0% HIGH :I 103/17/10 @1225(WATER)

Purge Volume: 25.0

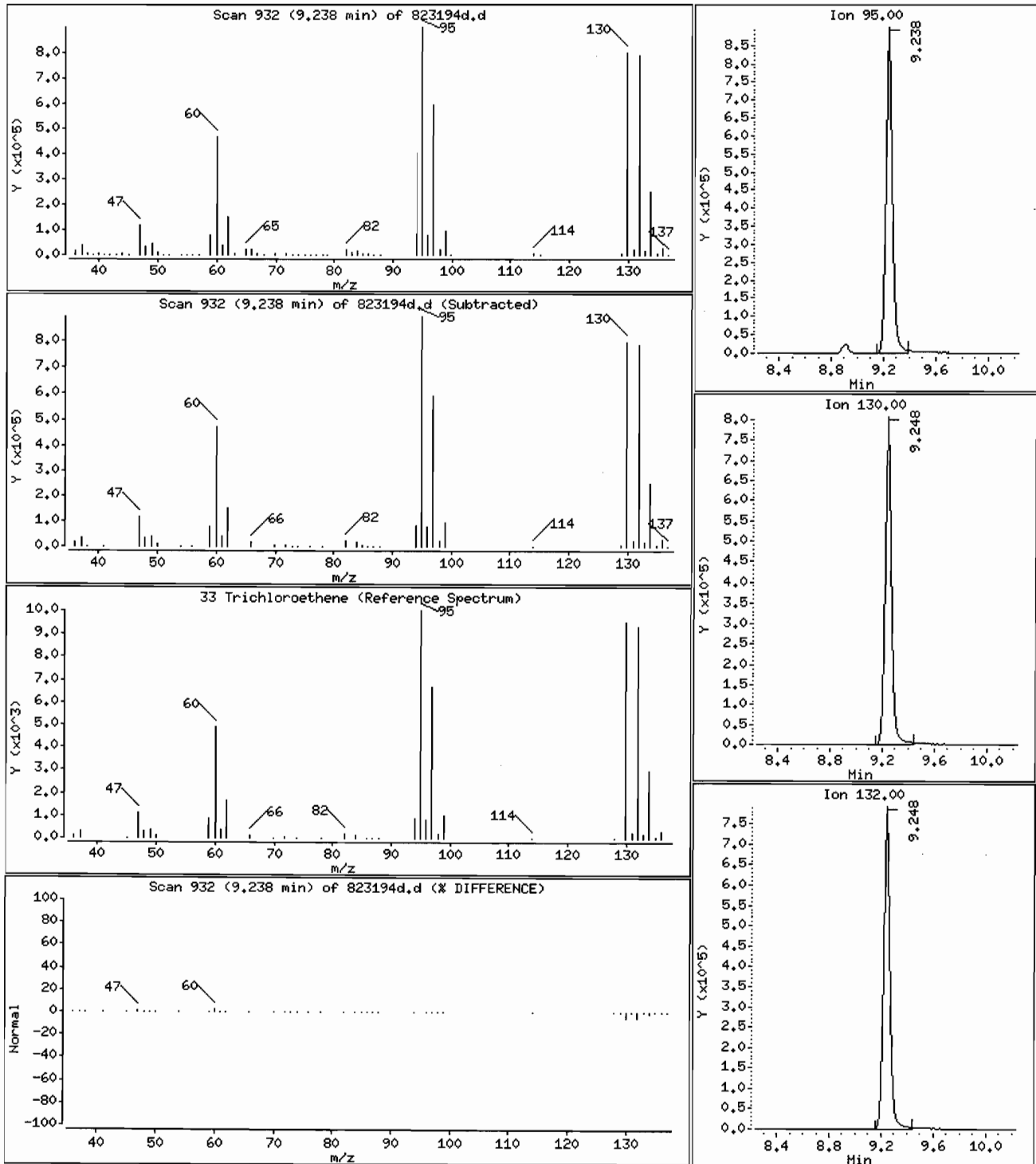
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 570 ug/L



Date : 21-MAR-2010 16:08

Client ID: D02.0HIGHDL

Instrument: M.i

Sample Info: D=0 2.0% HIGH :[103/17/10 @1225(WATER)

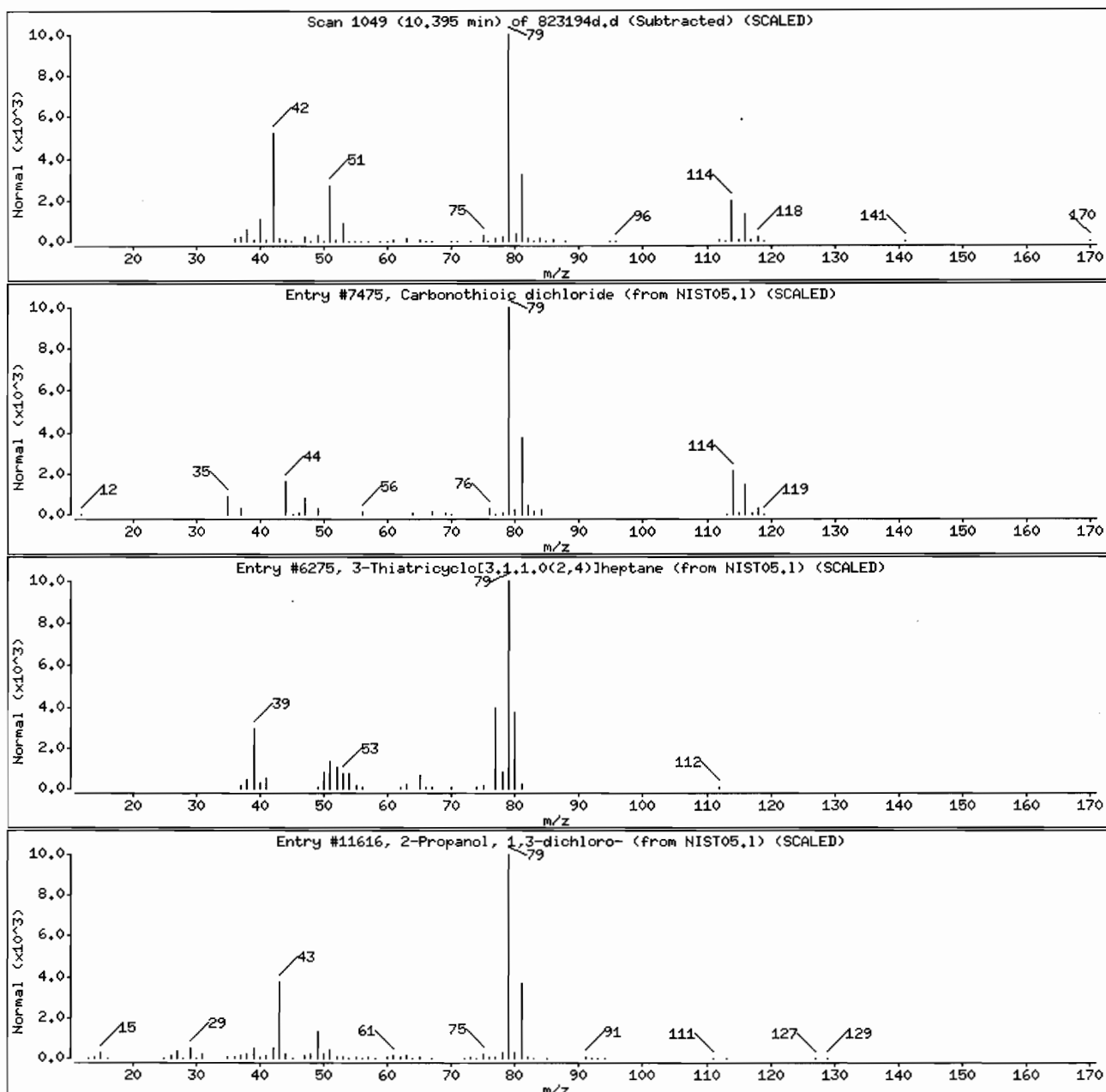
Purge Volume: 25.0

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
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	25	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 5.0

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	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	20	J
75-15-0	Carbon disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	3.3	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	1.1	J
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	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.

D02.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 5.0

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	480	E
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	4.9	
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D02.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 5.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

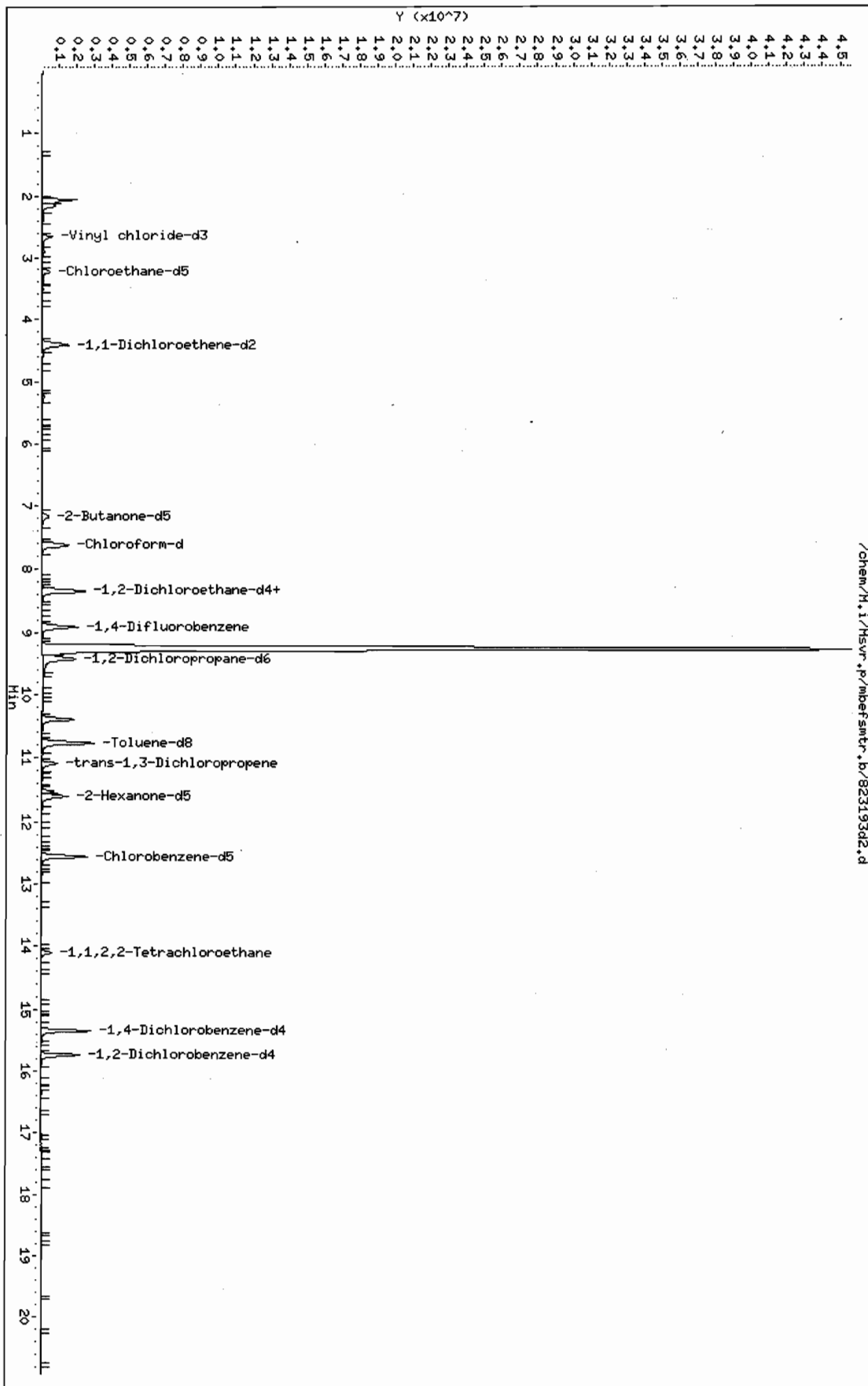
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.39	20	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/823193d2.d
Date : 22-MAR-2010 17:18
Client ID: D02.0HED
Sample Info: D=0 2.0% MEDIUM : (103/17/10 @1215(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MKV
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823193d2.d
Report Date: 25-Mar-2010 10:40

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823193d2.d
Lab Smp Id: 823193 Client Smp ID: D02.0MED
Inj Date : 22-MAR-2010 17:18
Operator : MRV Inst ID: M.i
Smp Info : D=0 2.0% MEDIUM : [] 03/17/10 @1215(WATER)
Misc Info : 823193,032210MP,5,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 19
Dil Factor: 5.00000
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	5.00000	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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.663	2.665	(0.299)	1261955	5.45515	5.5
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.226	3.219	(0.362)	1051737	5.43163	5.4
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.403	4.396	(0.495)	2527565	4.56236	4.6
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	4.551	4.544	(0.511)	31079	3.98118	20(a)
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
-----	----	---	==	=====	=====	-----	-----	-----
15 Methylene chloride		84	5.224	5.226	(0.587)	94147	0.66609	3.3
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	7.162	7.164	(0.804)	1121798	75.1718	75
20 cis-1,2-Dichloroethene		96	7.191	7.184	(0.808)	44816	0.22523	1.1(a)
21 2-Butanone		43	Compound Not Detected.					
22 Bromochloromethane		128	Compound Not Detected.					
\$ 23 Chloroform-d		84	7.617	7.619	(0.856)	2394981	6.01483	6.0(Q)
24 Chloroform		83	Compound Not Detected.					
25 1,1,1-Trichloroethane		97	Compound Not Detected.					
26 Cyclohexane		56	Compound Not Detected.					
27 Carbon tetrachloride		117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4		65	8.328	8.331	(0.936)	713415	6.81576	6.8 (QR)
\$ 29 Benzene-d6		84	8.338	8.341	(0.665)	3295717	4.96747	5.0
30 Benzene		78	Compound Not Detected.					
31 1,2-Dichloroethane		62	Compound Not Detected.					
* 32 1,4-Difluorobenzene		114	8.902	8.905	(1.000)	2952676	5.00000	
33 Trichloroethene		95	9.238	9.241	(0.737)	31567991	96.8279	480 (A)
\$ 34 1,2-Dichloropropane-d6		67	9.416	9.419	(0.751)	1489859	4.62286	4.6
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	10.761	10.774	(0.858)	3611999	4.99880	5.0
41 Toluene		91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4		79	11.087	11.090	(0.884)	887087	5.25054	5.3
43 trans-1,3-Dichloropropene		75	Compound Not Detected.					
44 1,1,2-Trichloroethane		97	Compound Not Detected.					
45 Tetrachloroethene		164	11.522	11.525	(0.919)	308588	0.97184	4.9
\$ 46 2-Hexanone-d5		63	11.592	11.594	(0.924)	1174204	58.9149	59
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	12.541	12.553	(1.000)	2589442	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		172	Compound Not Detected.					
57 Isopropylbenzene		105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.103	14.116	(1.125)	655129	5.35802	5.4
59 1,1,2,2-Tetrachloroethane		83	Compound Not Detected.					
60 1,3-Dichlorobenzene		146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4		152	15.329	15.332	(1.000)	1355559	5.00000	
62 1,4-Dichlorobenzene		146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	----	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.735	15.737	(1.026)	1022406	4.57540	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823193d2.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823193d2.d
Lab Smp Id: 823193 Client Smp ID: D02.OMED
Inj Date : 22-MAR-2010 17:18
Operator : MRV Inst ID: M.i
Smp Info : D=0 2.0% MEDIUM : [] 03/17/10 @1215 (WATER)
Misc Info : 823193,032210MP,5,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jd1 Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 19
Dil Factor: 5.00000
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	5.00000	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	8.902	7640255	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.385	6208005	4.06269422	20	0		0	32

Data File: /chem/M.i/Msvr.p/mbebsmtr,b/823193d2.d

Page 6

Date : 22-MAR-2010 17:18

Client ID: D02.0MED

Instrument: M.i

Sample Info: D=0 2.0% MEDIUM ;[103/17/10 @1215(WATER)

Purge Volume: 25.0

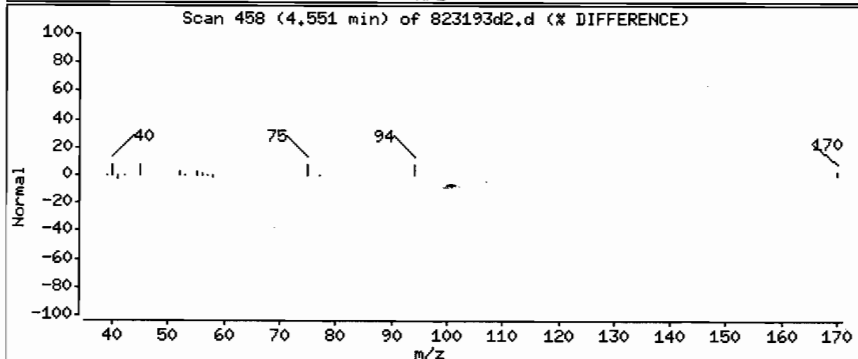
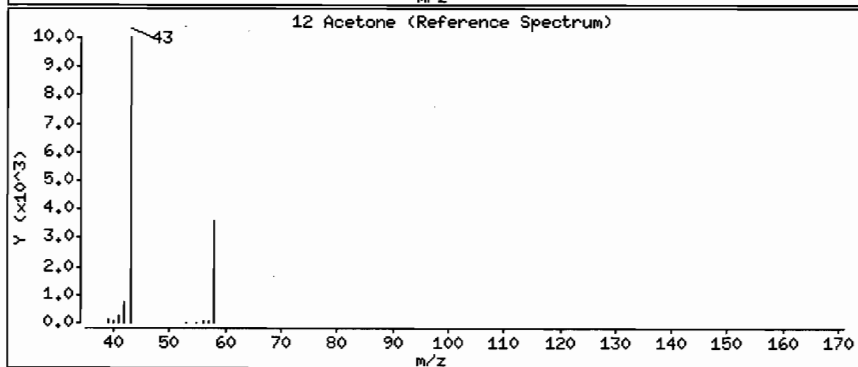
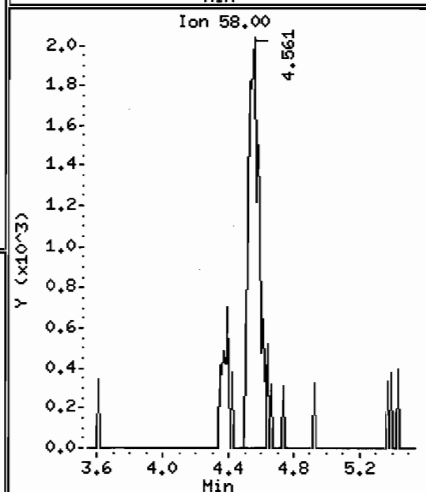
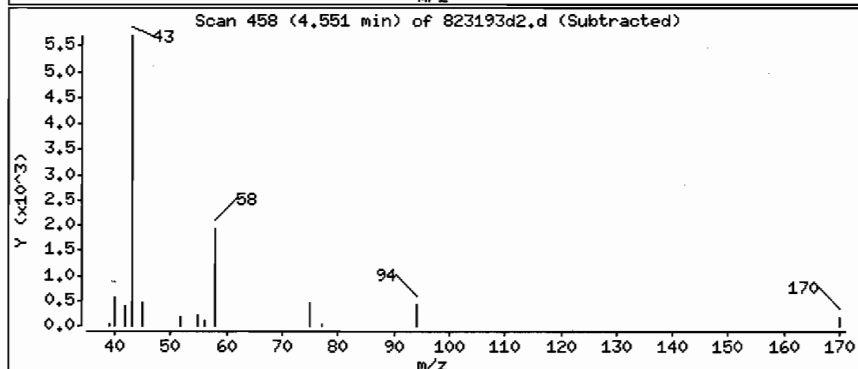
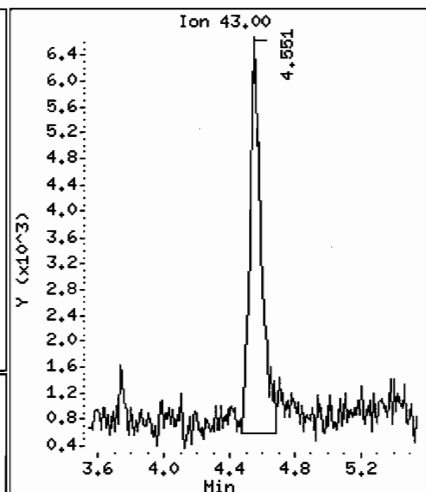
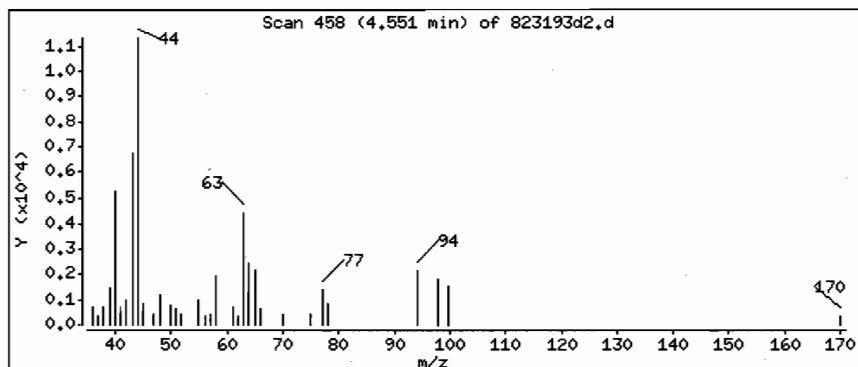
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 20 ug/L



Data File: /chem/M.1/Msivr.p/mbe fsmtr,b/823193d2.d

Page 7

Date : 22-MAR-2010 17:18

Client ID: D02.0MED

Instrument: M.i

Sample Info: D=0 2.0% MEDIUM :[103/17/10 @1215(WATER)

Purge Volume: 25.0

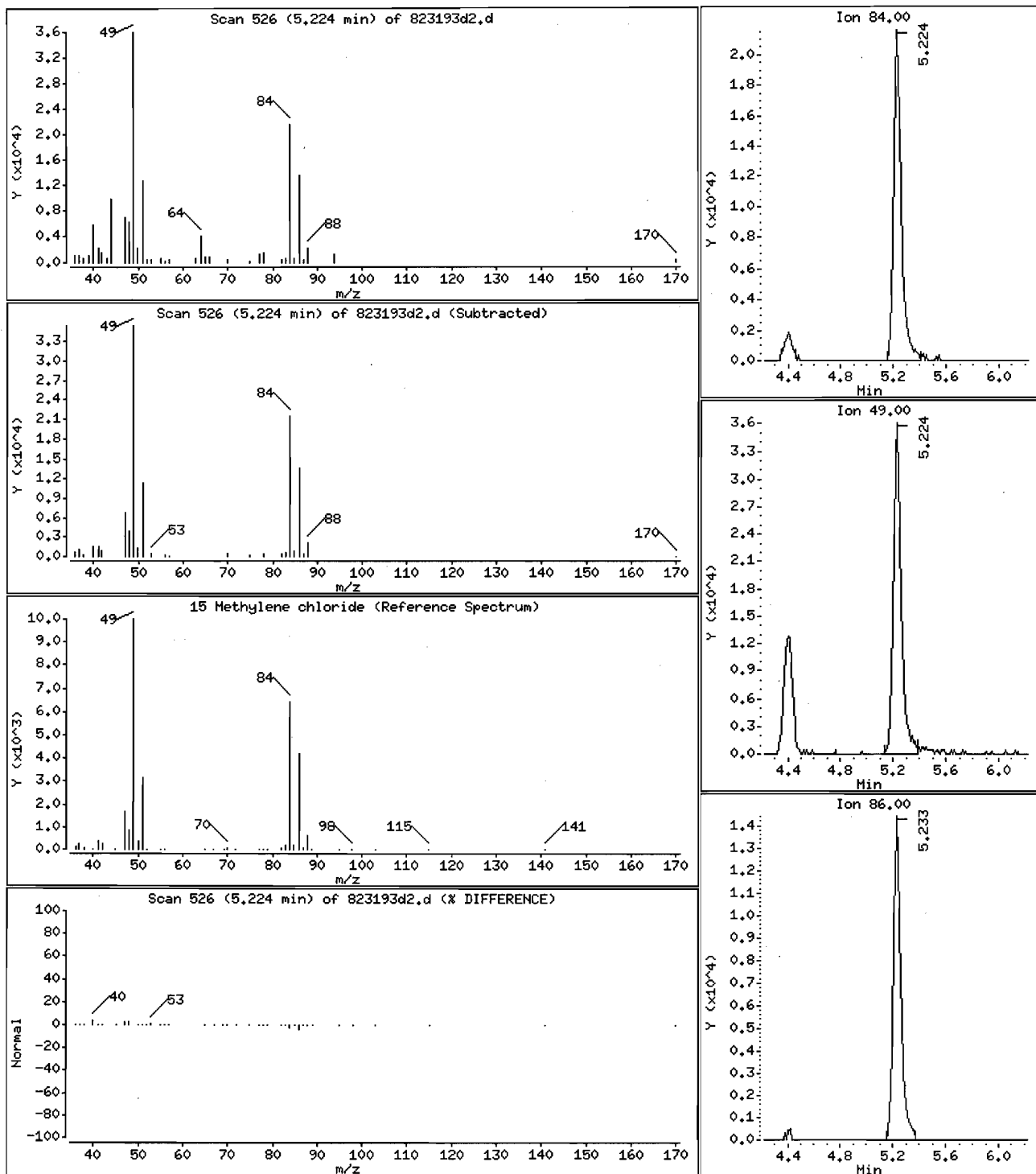
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 3.3 ug/L



Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/823193d2.d

Page 8

Date : 22-MAR-2010 17:18

Client ID: D02.0MED

Instrument: H.i

Sample Info: D=0 2.0% MEDIUM :[103/17/10 @1215(WATER)

Purge Volume: 25.0

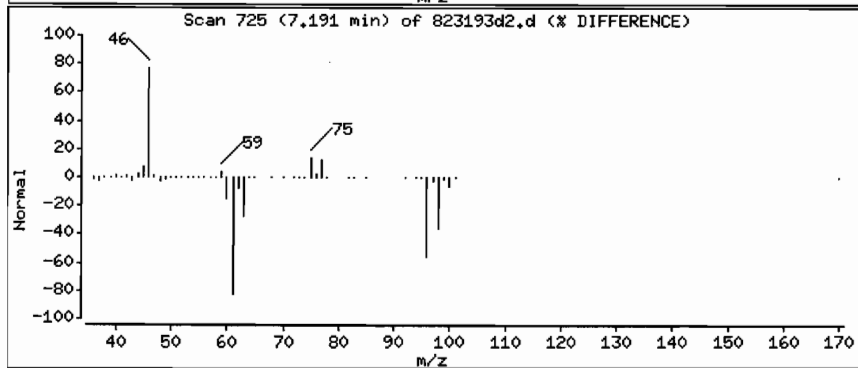
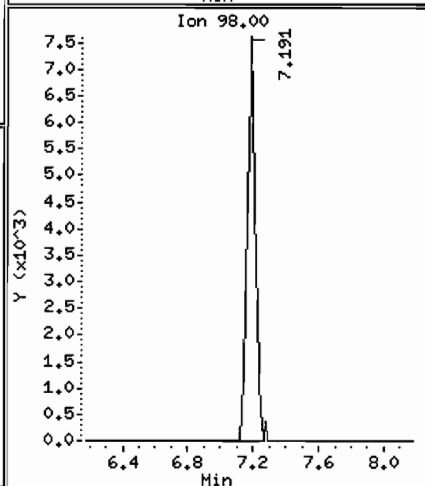
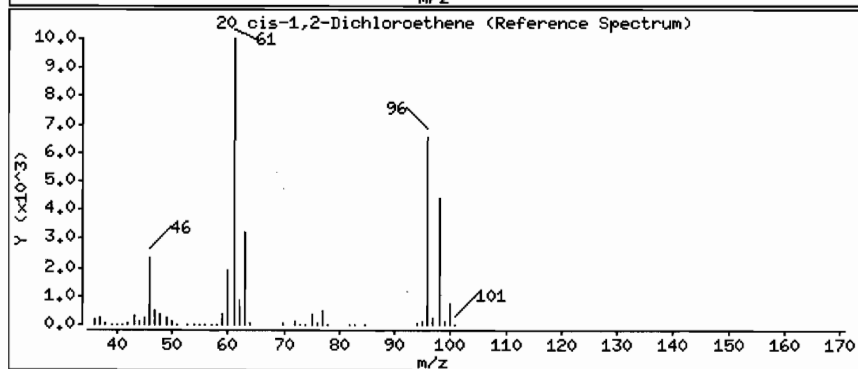
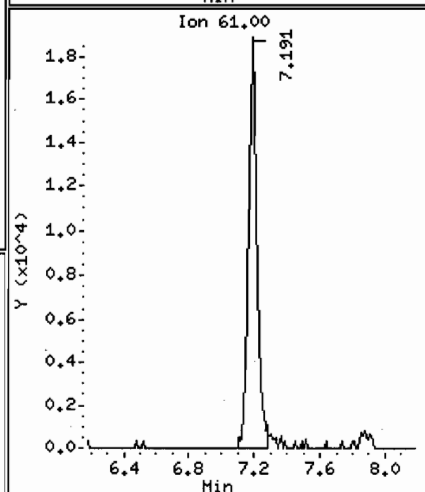
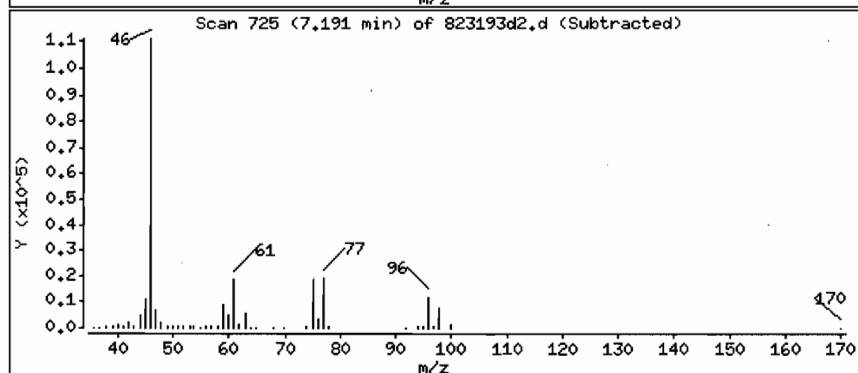
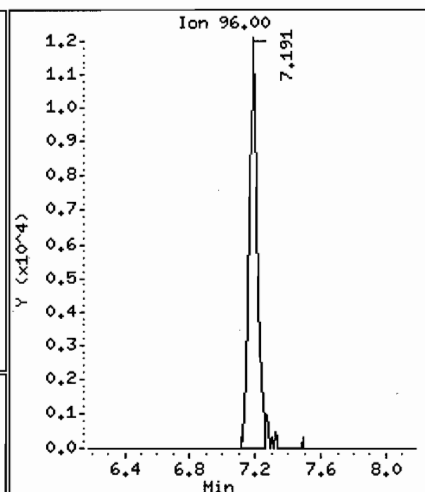
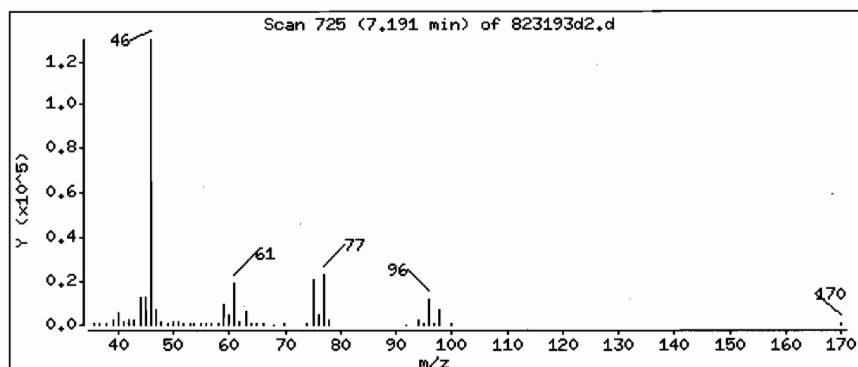
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

20 cis-1,2-Dichloroethene

Concentration: 1.1 ug/L



Data File: /chem/M.i/Msvr.p/mbebsmtr.b/823193d2.d

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Date : 22-MAR-2010 17:18

Client ID: D02.OMED

Instrument: M.i

Sample Info: D=0 2.0% MEDIUM :[103/17/10 @1215(WATER)

Purge Volume: 25.0

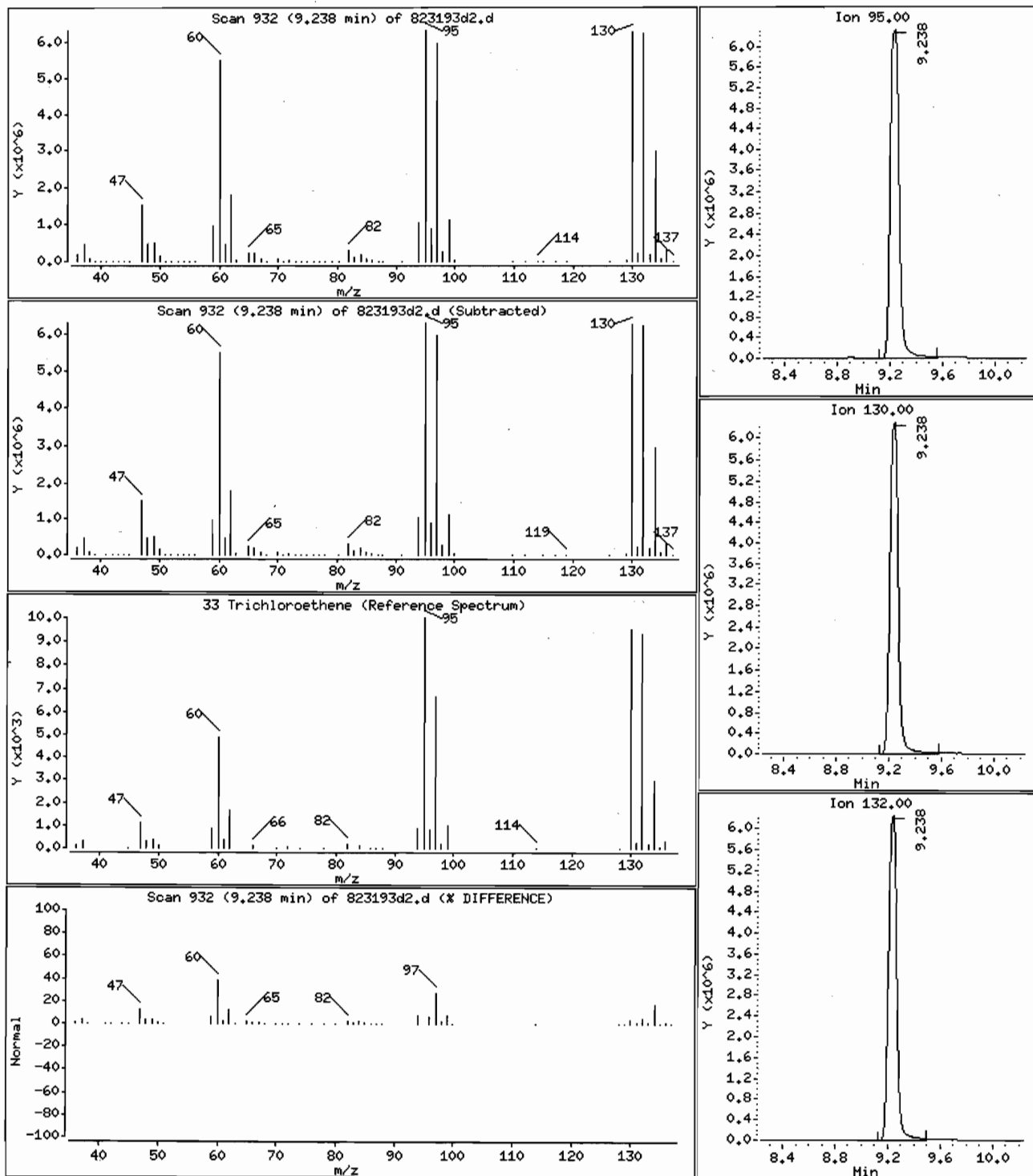
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 480 ug/L



Data File: /chem/H.i/Hsvr.p/mbe fsmtr.b/823193d2.d

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Date : 22-MAR-2010 17:18

Client ID: D02.0MED

Instrument: H.i

Sample Info: D=0 2.0% MEDIUM :[J03/17/10 @1215(WATER)

Purge Volume: 25.0

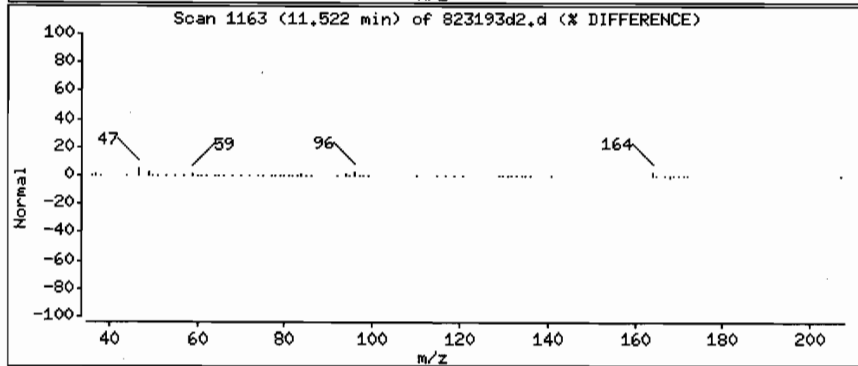
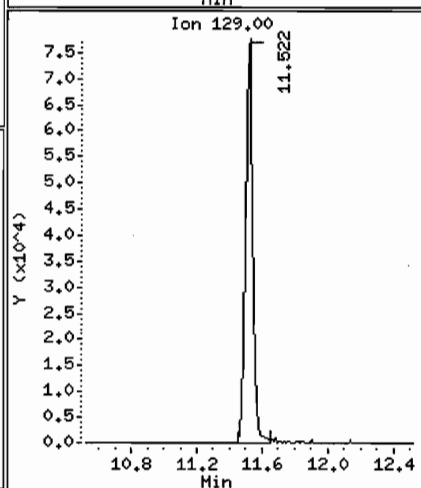
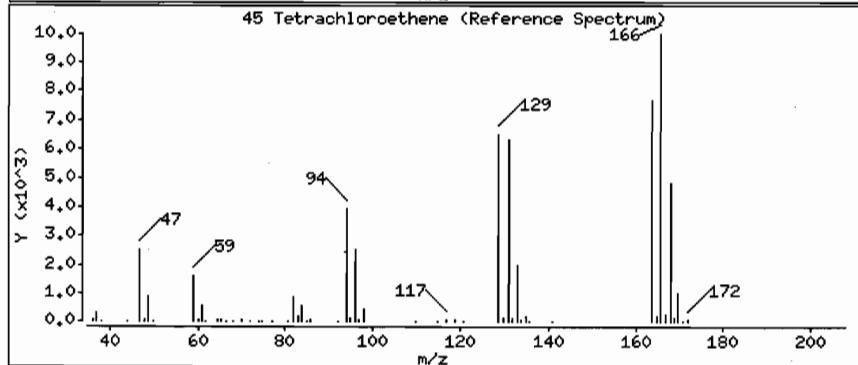
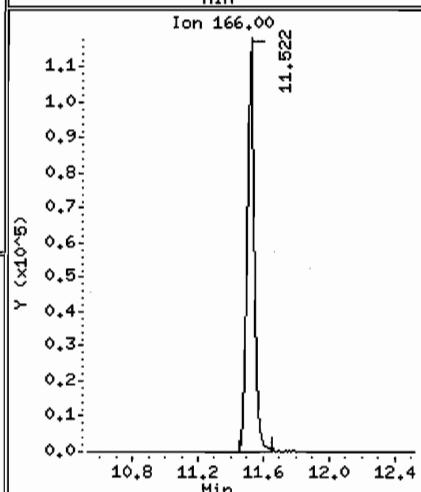
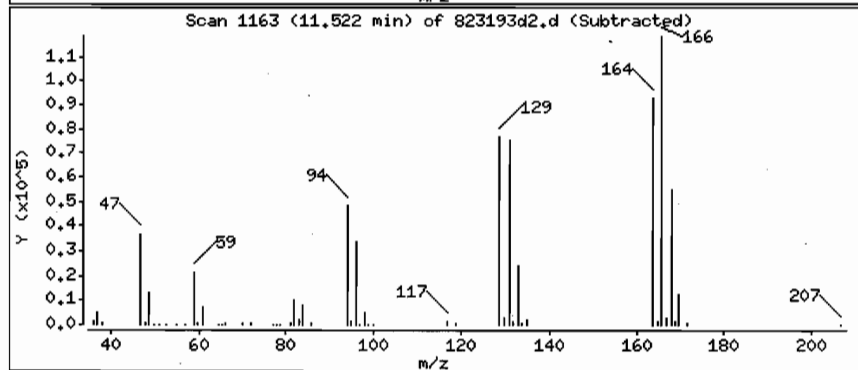
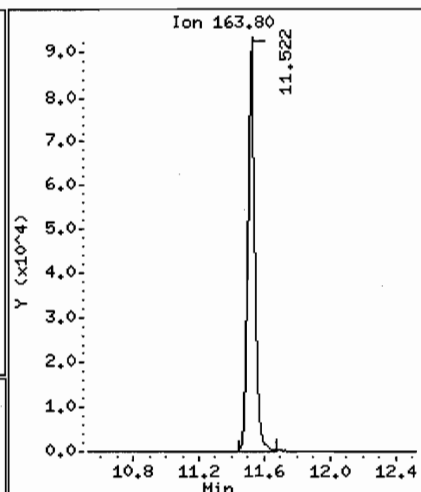
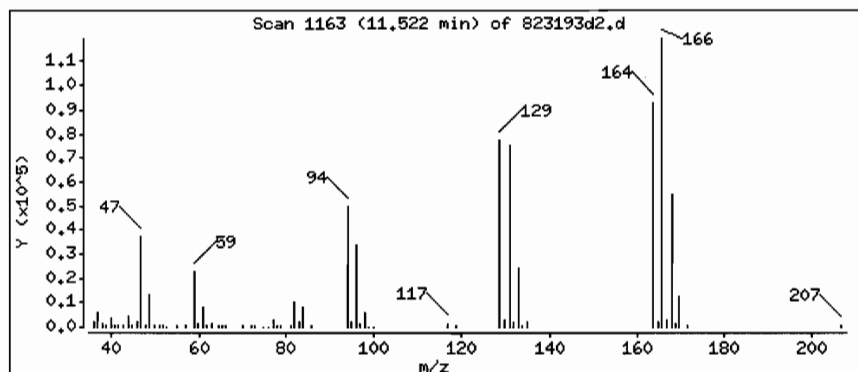
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 4.9 ug/L



Date : 22-MAR-2010 17:18

Client ID: D02.0MED

Instrument: M.i

Sample Info: D=0 2.0% MEDIUM :[103/17/10 @1215(WATER)

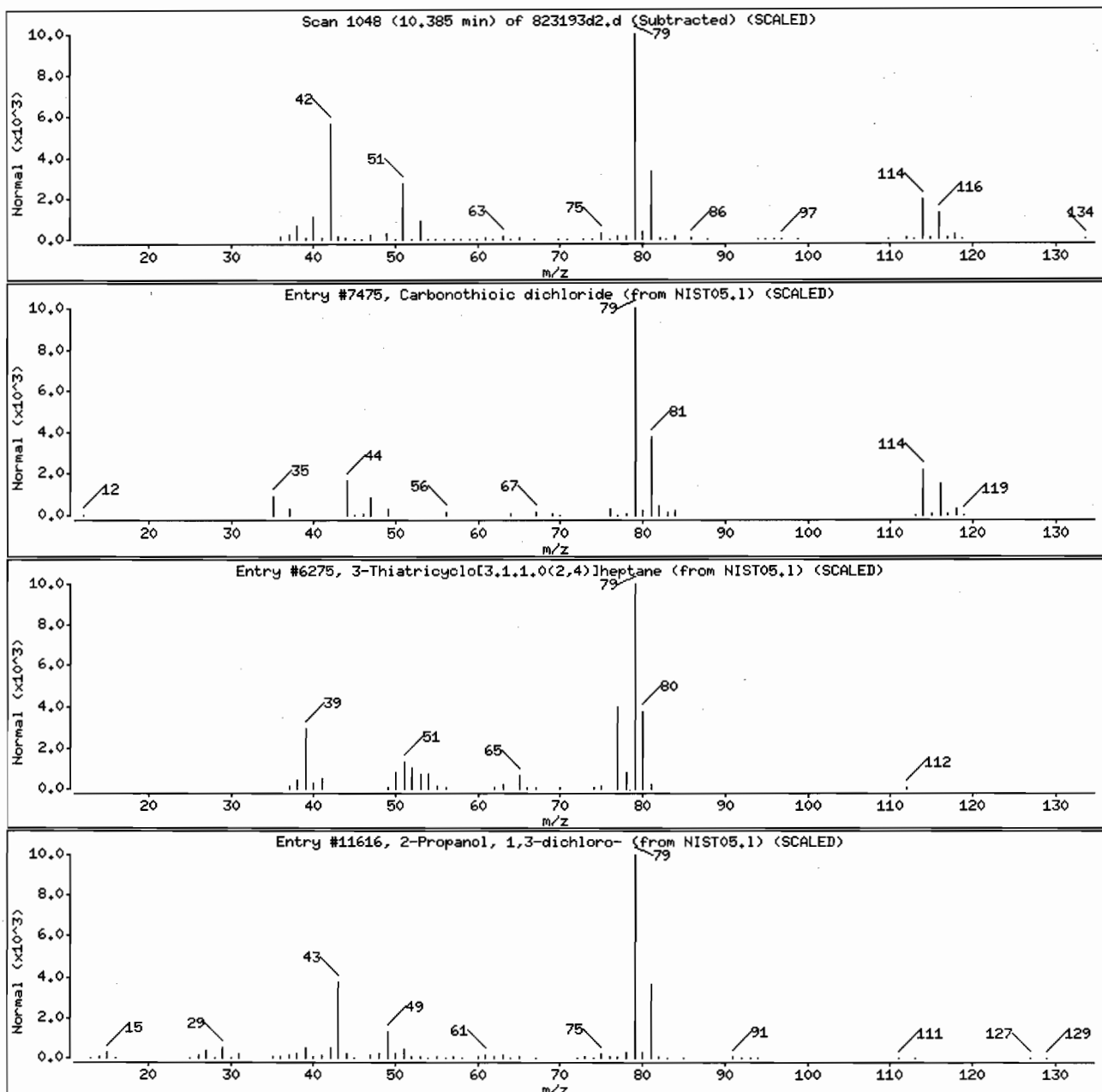
Purge Volume: 25.0

Operator: HRV

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	49	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D02.0MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 57.1

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	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
75-35-4	1,1-Dichloroethene	29	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29	U
67-64-1	Acetone	290	U
75-15-0	Carbon disulfide	29	U
79-20-9	Methyl acetate	29	U
75-09-2	Methylene chloride	29	U
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
156-59-2	cis-1,2-Dichloroethene	29	U
78-93-3	2-Butanone	290	U
74-97-5	Bromochloromethane	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
110-82-7	Cyclohexane	29	U
56-23-5	Carbon tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	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.

D02.0MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLTV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823193D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823193D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 57.1

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	670	D
108-87-2	Methylcyclohexane	29	U
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	29	U
10061-02-6	trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
127-18-4	Tetrachloroethene	29	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	29	U
106-93-4	1,2-Dibromoethane	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethylbenzene	29	U
95-47-6	o-Xylene	29	U
179601-23-1	m,p-Xylene	29	U
100-42-5	Styrene	29	U
75-25-2	Bromoform	29	U
98-82-8	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-chloropropane	29	U
120-82-1	1,2,4-Trichlorobenzene	29	U
87-61-6	1,2,3-Trichlorobenzene	29	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D02.0MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823193D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823193D
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 57.1
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

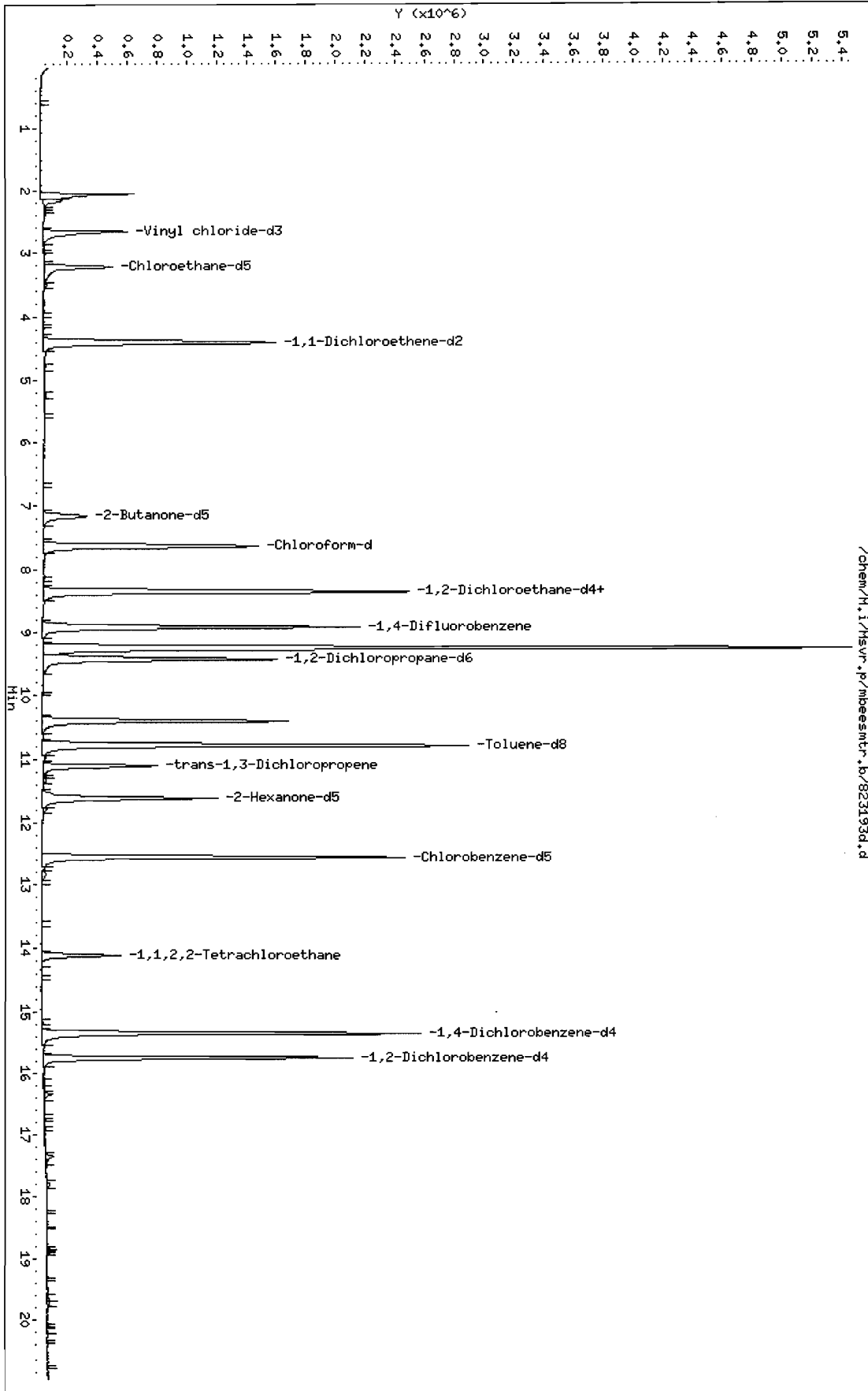
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	210	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Msivr.p/mbeesmr.b/823193d.d
Date : 21-MAR-2010 15:36
Client ID: D02.0HEDDL
Sample Info: D=0 2.0% MEDIUM : [103/17/10 @1215(WATER)]
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: JPL
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823193d.d
Lab Smp Id: 823193D1 Client Smp ID: D02.0MEDDL
Inj Date : 21-MAR-2010 15:36
Operator : JP1 Inst ID: M.i
Smp Info : D=0 2.0% MEDIUM :[]03/17/10 @1215(WATER)
Misc Info : 823193,032110MO,57.1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 5
Dil Factor: 57.10000
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	57.10000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.656	2.663	(0.298)	1341238	5.33524	5.3(a)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.219	3.216	(0.362)	1122281	5.33347	5.3(a)
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.386	4.393	(0.493)	2648104	4.39853	4.4(a)
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.155	7.152	(0.803)	927988	57.2227	57 (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	7.620	7.617	(0.856)	2326323	5.37622	5.4 (aQ)
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	8.332	8.329	(0.936)	660507	5.80678	5.8 (aQ)
\$ 29 Benzene-d6	84	8.342	8.339	(0.665)	3419935	5.25765	5.3 (a)
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.905	8.902	(1.000)	3208707	5.00000	
33 Trichloroethene	95	9.241	9.238	(0.737)	3737750	11.6937	670
\$ 34 1,2-Dichloropropane-d6	67	9.419	9.416	(0.751)	1501524	4.75211	4.8 (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-Dichloropropane	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	10.774	10.771	(0.859)	3598299	5.07929	5.1 (a)
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.091	11.088	(0.884)	806821	4.87083	4.9 (a)
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.595	11.592	(0.924)	969390	49.6099	50 (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	12.544	12.541	(1.000)	2538737	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	14.106	14.103	(1.125)	568849	4.74529	4.7 (a)
59 1,1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.333	15.330	(1.000)	1250702	5.00000	(Q)
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.728	15.725	(1.026)	950828	4.61182	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823193d.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823193d.d
Lab Smp Id: 823193D1 Client Smp ID: D02.0MEDDL
Inj Date : 21-MAR-2010 15:36
Operator : JPl Inst ID: M.i
Smp Info : D=0 2.0% MEDIUM : [] 03/17/10 @1215(WATER)
Misc Info : 823193,032110MO,57.1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 5
Dil Factor: 57.10000
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	57.10000	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	8.905	8054532	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown							
10.398	5819502	3.61256382	210	0		0	32

Data File: /chem/M.i/Msvr.p/mbeesmr.b/823193d.d

Page 6

Date: 21-MAR-2010 15:36

Client ID: D02.0MEDDL

Instrument: M.i

Sample Info: D=0 2.0% MEDIUM :[103/17/10 @1215(WATER)

Purge Volume: 25.0

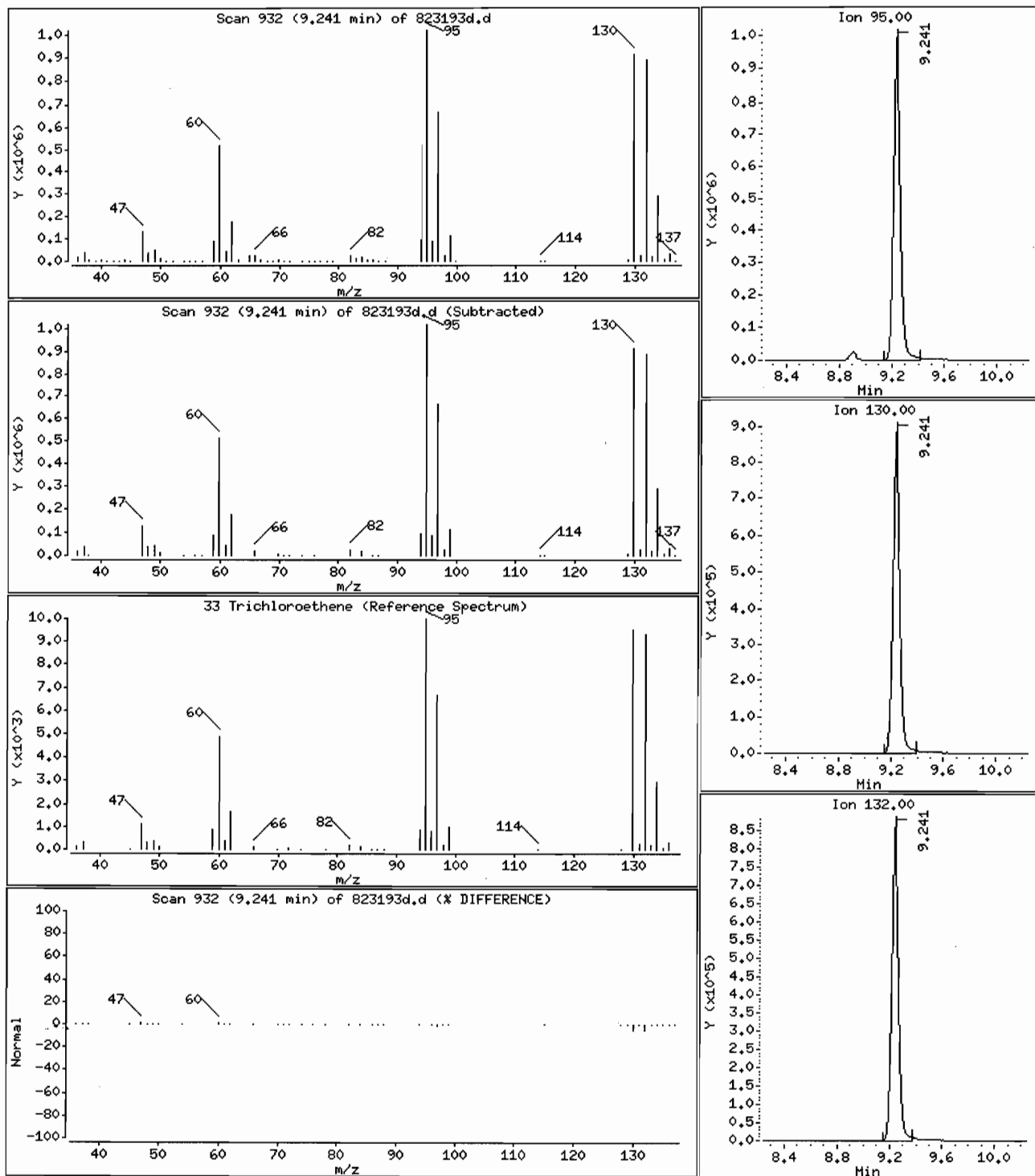
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 670 ug/L



Date : 21-MAR-2010 15:36

Client ID: D02.0MEDDL

Instrument: M.i

Sample Info: D=0 2.0% MEDIUM :[103/17/10 @1215(WATER)

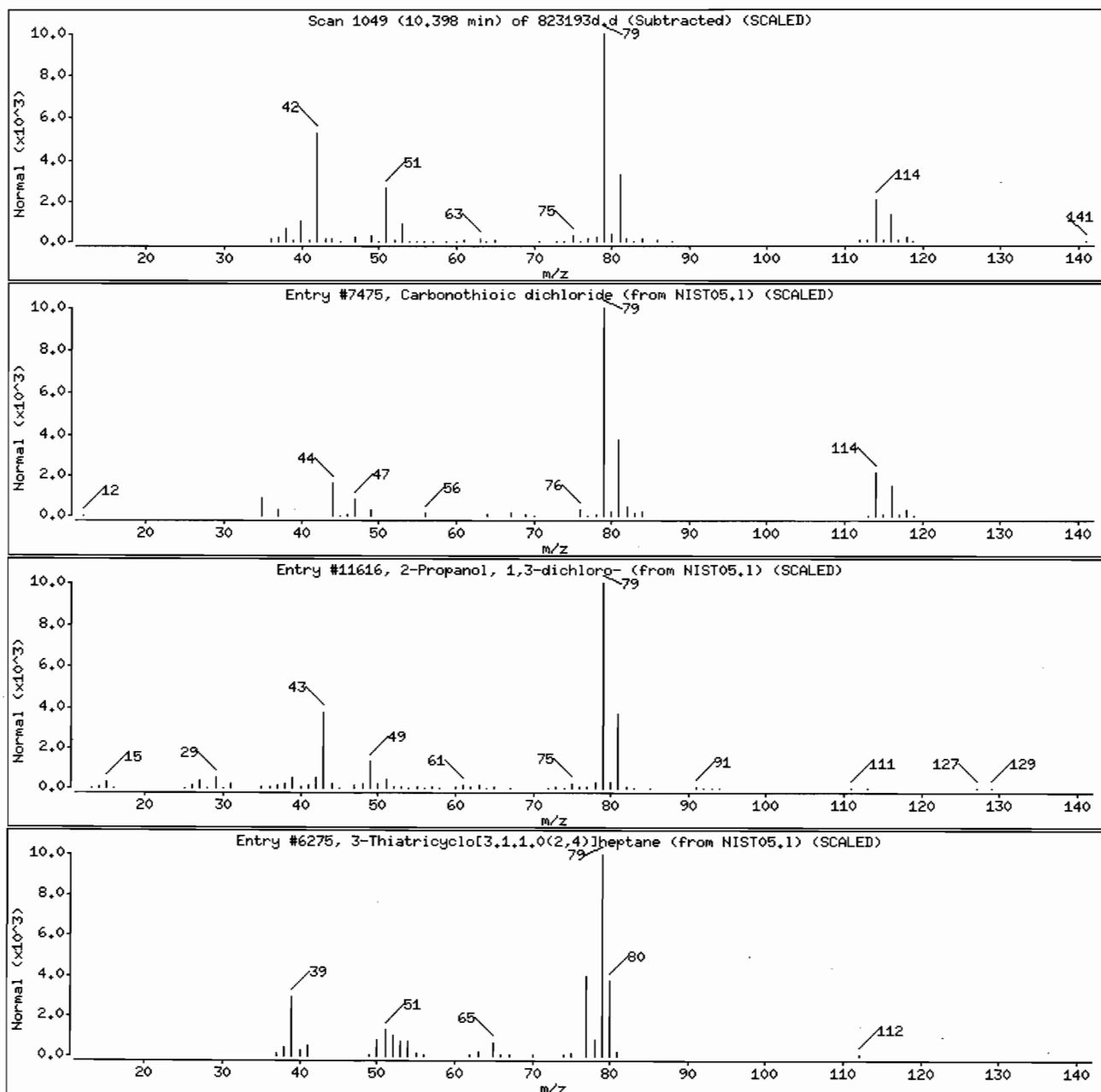
Purge Volume: 25.0

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	50	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DOCONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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

Dilution Factor: 5.5

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	2.8	U
74-87-3	Chloromethane	2.8	U
75-01-4	Vinyl chloride	2.8	U
74-83-9	Bromomethane	2.8	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	2.8	U
75-35-4	1,1-Dichloroethene	2.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U
67-64-1	Acetone	13	JB
75-15-0	Carbon disulfide	2.8	U
79-20-9	Methyl acetate	2.8	U
75-09-2	Methylene chloride	1.7	J
156-60-5	trans-1,2-Dichloroethene	2.8	U
1634-04-4	Methyl tert-butyl ether	2.8	U
75-34-3	1,1-Dichloroethane	2.8	U
156-59-2	cis-1,2-Dichloroethene	1.3	J
78-93-3	2-Butanone	28	U
74-97-5	Bromochloromethane	2.8	U
67-66-3	Chloroform	2.8	U
71-55-6	1,1,1-Trichloroethane	2.8	U
110-82-7	Cyclohexane	2.8	U
56-23-5	Carbon tetrachloride	2.8	U
71-43-2	Benzene	2.8	U
107-06-2	1,2-Dichloroethane	2.8	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.

DOCONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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

Dilution Factor: 5.5

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	760	E
108-87-2	Methylcyclohexane	2.8	U
78-87-5	1,2-Dichloropropane	2.8	U
75-27-4	Bromodichloromethane	2.8	U
10061-01-5	cis-1,3-Dichloropropene	2.8	U
108-10-1	4-Methyl-2-pentanone	28	U
108-88-3	Toluene	2.8	U
10061-02-6	trans-1,3-Dichloropropene	2.8	U
79-00-5	1,1,2-Trichloroethane	2.8	U
127-18-4	Tetrachloroethene	6.3	
591-78-6	2-Hexanone	28	U
124-48-1	Dibromochloromethane	2.8	U
106-93-4	1,2-Dibromoethane	2.8	U
108-90-7	Chlorobenzene	2.8	U
100-41-4	Ethylbenzene	2.8	U
95-47-6	o-Xylene	2.8	U
179601-23-1	m,p-Xylene	2.8	U
100-42-5	Styrene	2.8	U
75-25-2	Bromoform	2.8	U
98-82-8	Isopropylbenzene	2.8	U
79-34-5	1,1,2,2-Tetrachloroethane	2.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
106-46-7	1,4-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	2.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
87-61-6	1,2,3-Trichlorobenzene	2.8	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D0CONTROL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823195
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823195D2
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/24/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.5
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

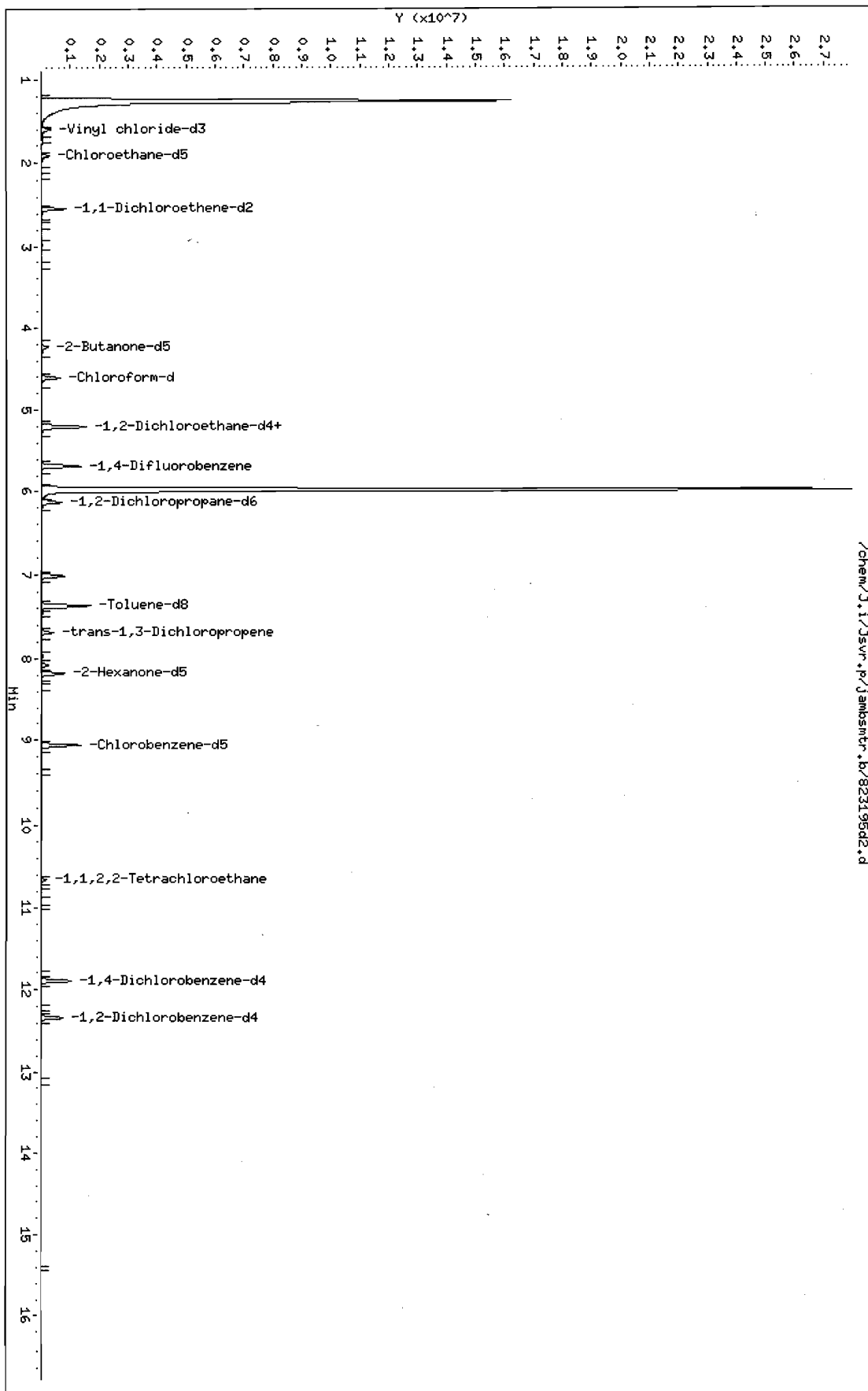
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.02	16	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jamsmr.b/823195d2.d
Date: 24-MAR-2010 15:14
Client ID: DOCONTROL
Sample Info: D=0 CONTROL : (103/17/10 @1245(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d
Report Date: 25-Mar-2010 10:12

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d
Lab Smp Id: 823195 Client Smp ID: DOCONTROL
Inj Date : 24-MAR-2010 15:14
Operator : JH2 Inst ID: J.i
Smp Info : D=0 CONTROL :[]03/17/10 @1245(WATER)
Misc Info : 823195,5.5,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 5
Dil Factor: 5.50000
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	5.50000	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	FINAL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.605	1.599	(0.283)	395040	4.33296	4.3
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.915	1.909	(0.337)	282730	4.61109	4.6
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	674355	3.71087	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	(0.457)	11562	2.42302	13(a)
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84			2.980	2.980	(0.525)	16521	0.30931	1.7 (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			4.233	4.233	(0.745)	405700	51.6250	52
20 cis-1,2-Dichloroethene	96			4.288	4.282	(0.755)	16485	0.23255	1.3 (a)
21 2-Butanone	43			Compound Not Detected.					
22 Bromochloromethane	128			Compound Not Detected.					
\$ 23 Chloroform-d	84			4.610	4.610	(0.812)	576470	4.51178	4.5 (Q)
24 Chloroform	83			Compound Not Detected.					
25 1,1,1-Trichloroethane	97			Compound Not Detected.					
26 Cyclohexane	56			Compound Not Detected.					
27 Carbon tetrachloride	117			Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65			5.188	5.182	(0.913)	223094	4.55881	4.6
\$ 29 Benzene-d6	84			5.200	5.201	(0.574)	1322389	4.75552	4.8
30 Benzene	78			Compound Not Detected.					
31 1,2-Dichloroethane	62			Compound Not Detected.					
* 32 1,4-Difluorobenzene	114			5.681	5.681	(1.000)	1121205	5.00000	
33 Trichloroethene	95			5.973	5.967	(0.659)	10825998	137.600	760 (A)
\$ 34 1,2-Dichloropropane-d6	67			6.125	6.125	(0.676)	330256	4.51507	4.5
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			7.366	7.366	(0.813)	1206925	4.79170	4.8
41 Toluene	91			Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79			7.683	7.677	(0.848)	248291	4.43967	4.4
43 trans-1,3-Dichloropropene	75			Compound Not Detected.					
44 1,1,2-Trichloroethane	97			Compound Not Detected.					
45 Tetrachloroethene	164			8.078	8.072	(0.891)	62749	1.14289	6.3
\$ 46 2-Hexanone-d5	63			8.175	8.175	(0.902)	292151	48.6650	49
47 2-Hexanone	43			Compound Not Detected.					
48 Dibromochloromethane	129			Compound Not Detected.					
49 1,2-Dibromoethane	107			Compound Not Detected.					
* 50 Chlorobenzene-d5	117			9.064	9.058	(1.000)	805080	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			10.651	10.651	(1.175)	93092	4.20012	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			11.898	11.899	(1.000)	302843	5.00000	
62 1,4-Dichlorobenzene	146			Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	208918	4.59375	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d
Lab Smp Id: 823195 Client Smp ID: DOCONTROL
Inj Date : 24-MAR-2010 15:14
Operator : JH2 Inst ID: J.i
Smp Info : D=0 CONTROL : [] 03/17/10 @1245(WATER)
Misc Info : 823195,5.5,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 5
Dil Factor: 5.50000
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	5.50000	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	5.681	2832641	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
7.019	1646860	2.90693280	16	0		0	32

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d

Page 6

Date : 24-MAR-2010 15:14

Client ID: D0CONTROL

Instrument: J.i

Sample Info: D=0 CONTROL :I 103/17/10 @1245(WATER)

Purge Volume: 25.0

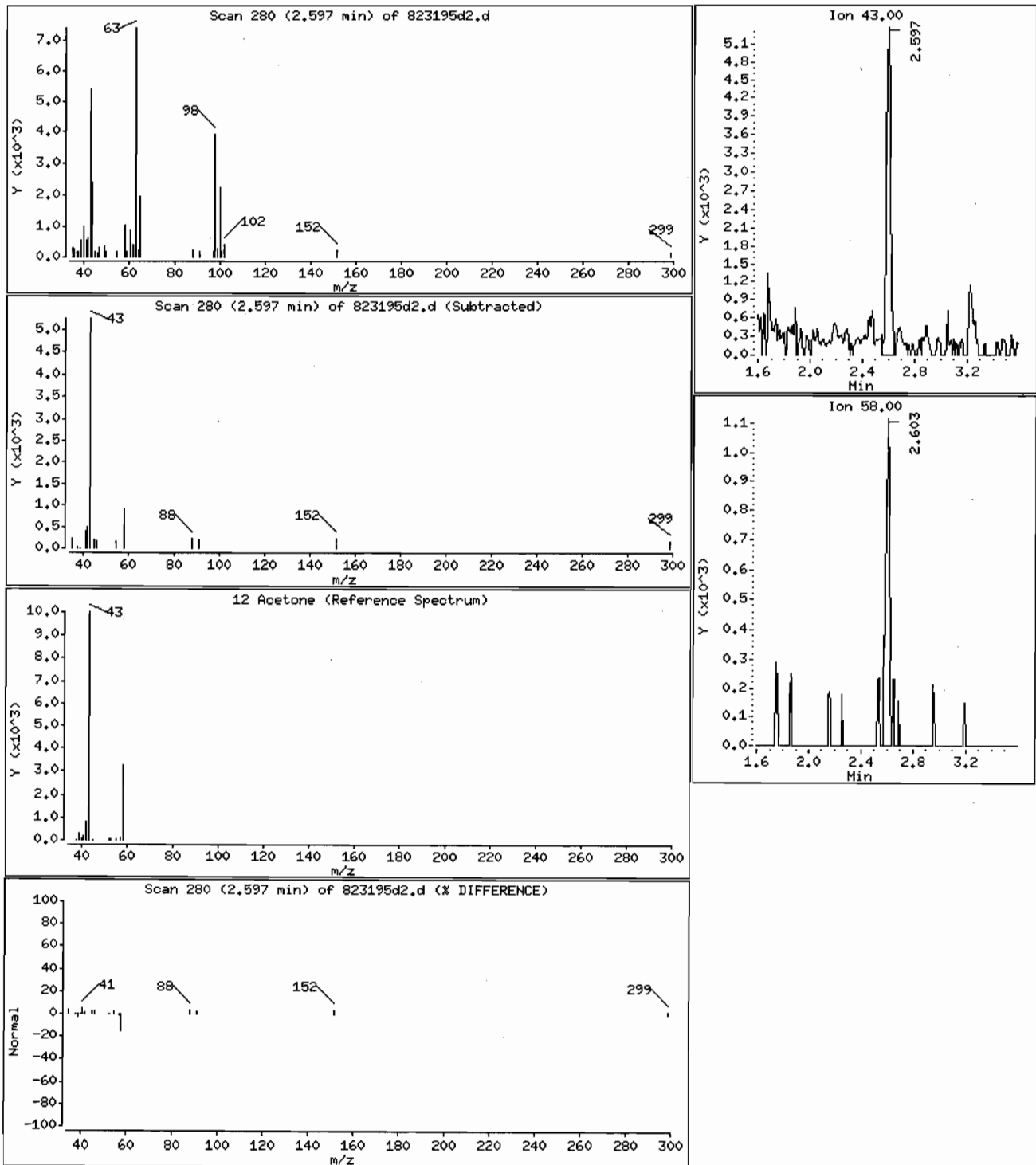
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 13 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d

Page 7

Date : 24-MAR-2010 15:14

Client ID: DOCONTROL

Instrument: J.i

Sample Info: D=0 CONTROL :[103/17/10 @1245(WATER)

Purge Volume: 25.0

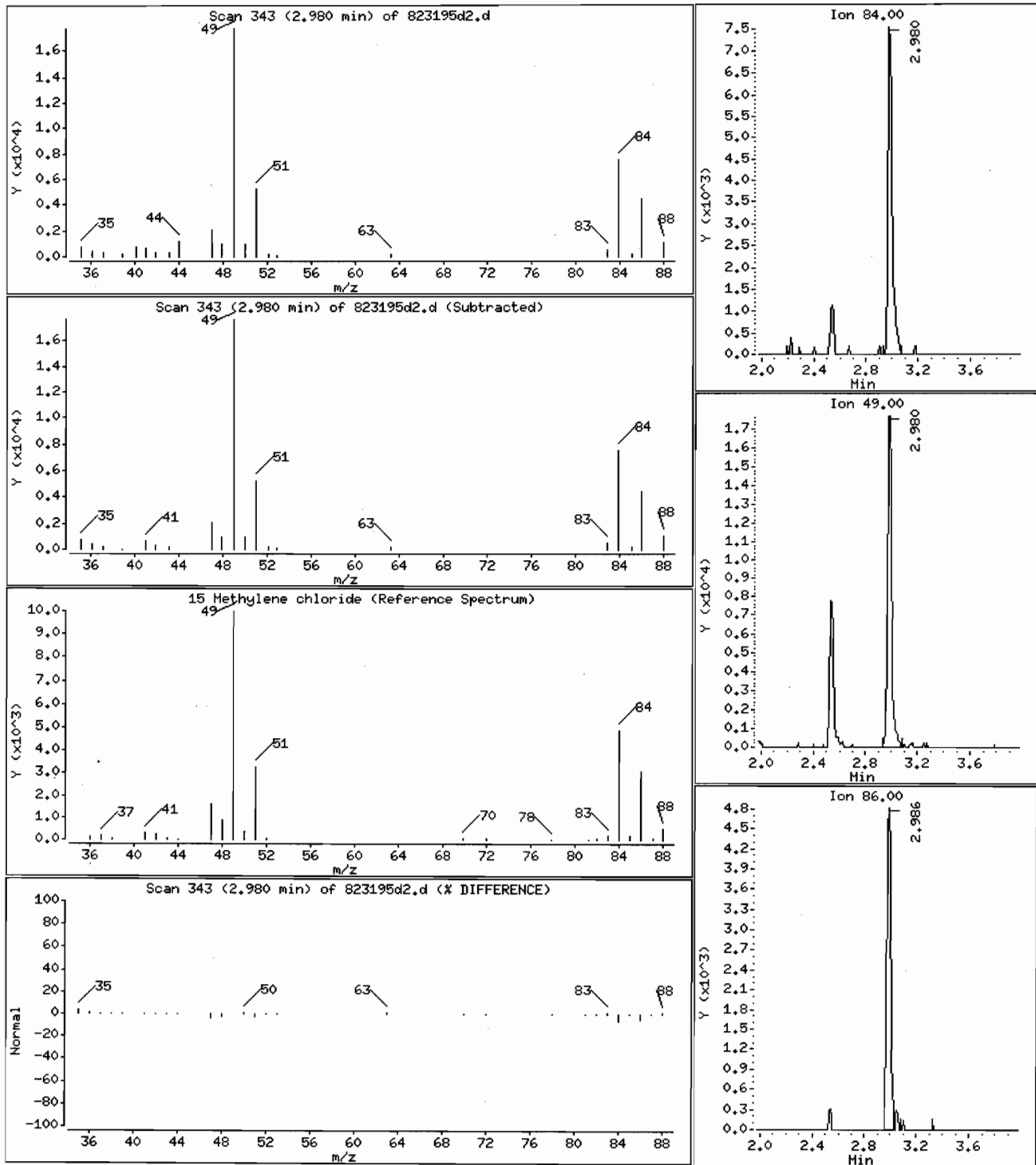
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 1.7 ug/L



Data File: /chem/J.i/Jsvr.p/jamsmr.b/823195d2.d

Page 8

Date : 24-MAR-2010 15:14

Client ID: DOCONTROL

Instrument: J.i

Sample Info: D=0 CONTROL :[103/17/10 @1245(WATER)

Purge Volume: 25.0

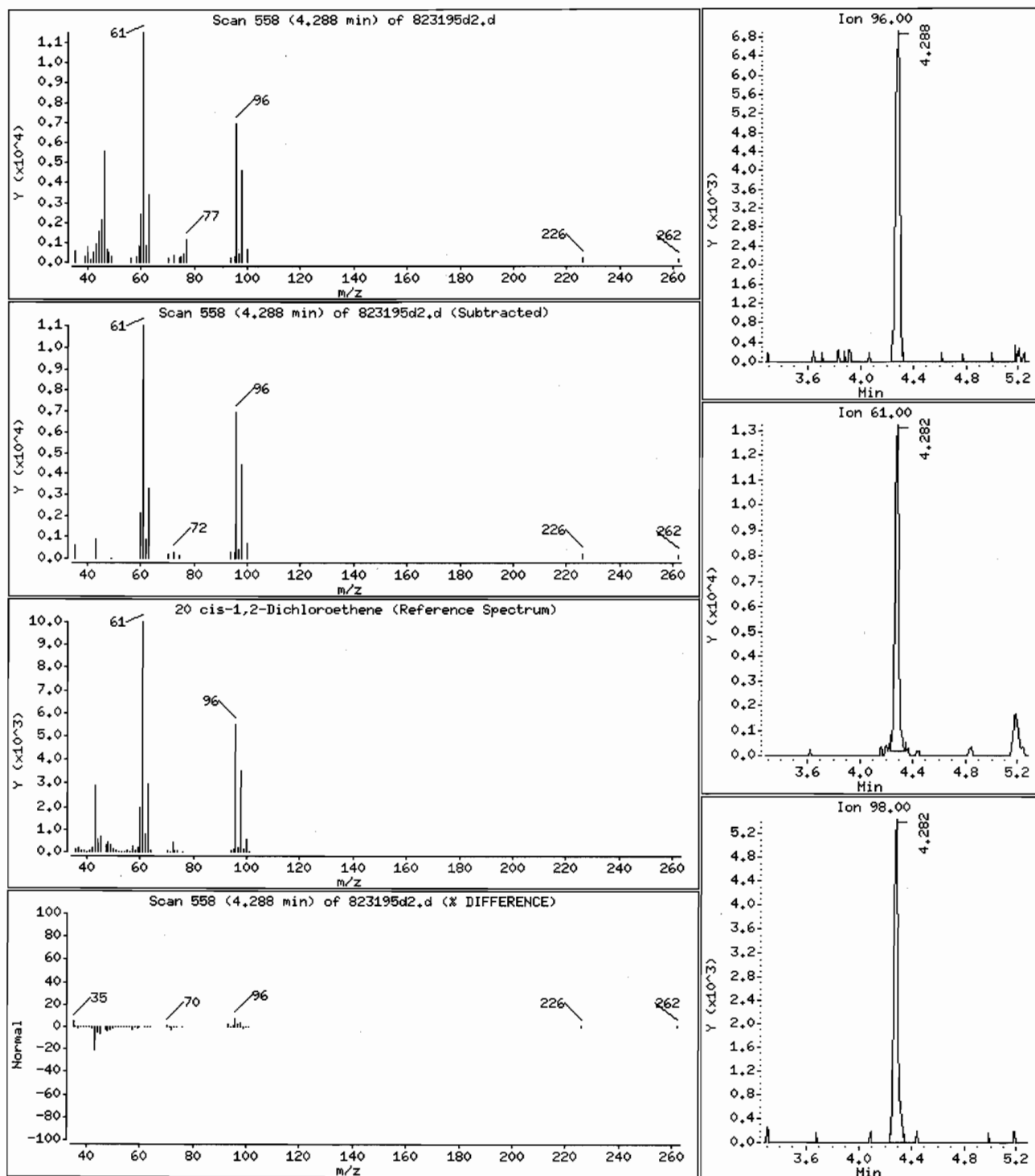
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

20 cis-1,2-Dichloroethene

Concentration: 1.3 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d

Page 9

Date : 24-MAR-2010 15:14

Client ID: DOCONTROL

Instrument: J.i

Sample Info: D=0 CONTROL ;[103/17/10 @1245(WATER)

Purge Volume: 25.0

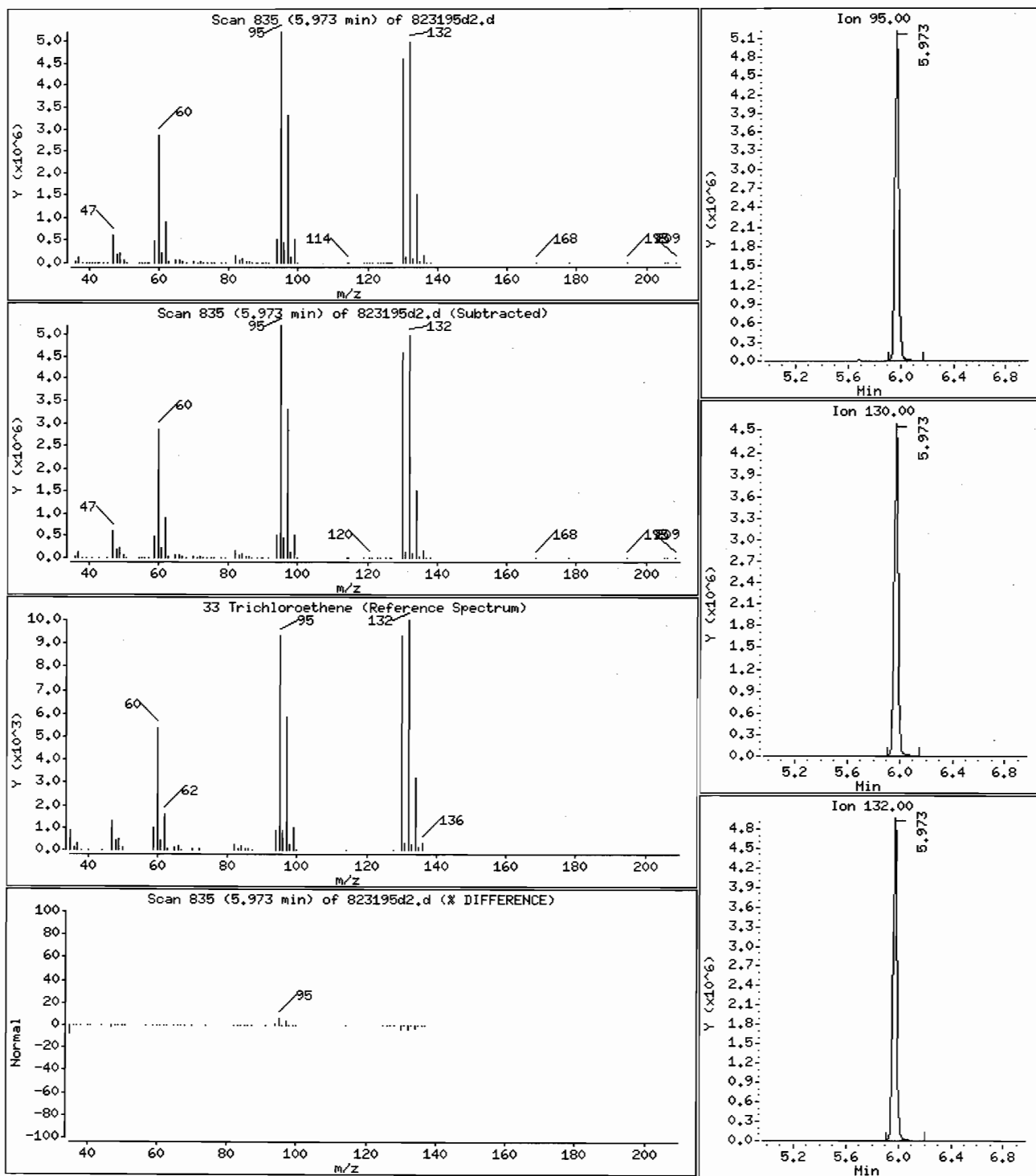
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 760 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823195d2.d

Page 10

Date : 24-MAR-2010 15:14

Client ID: DOCONTROL

Instrument: J.i

Sample Info: D=0 CONTROL ;I 103/17/10 @1245(WATER)

Purge Volume: 25.0

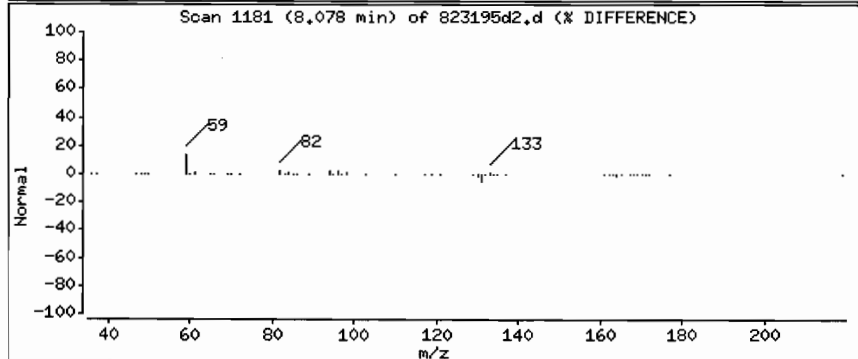
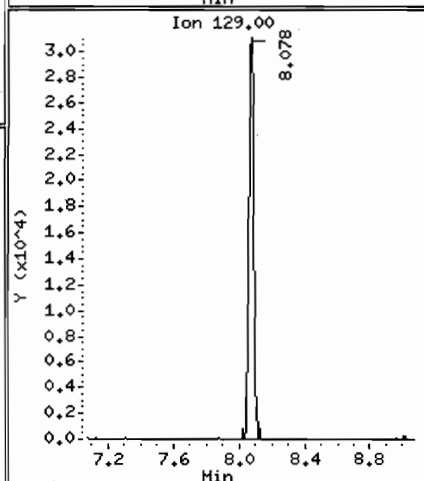
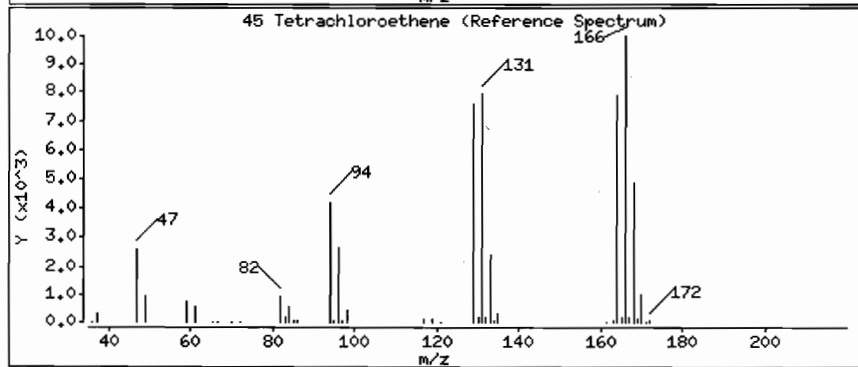
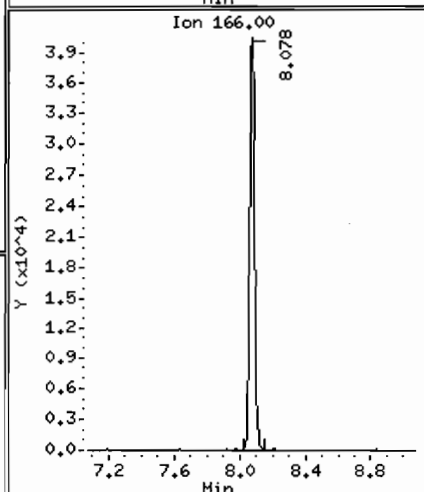
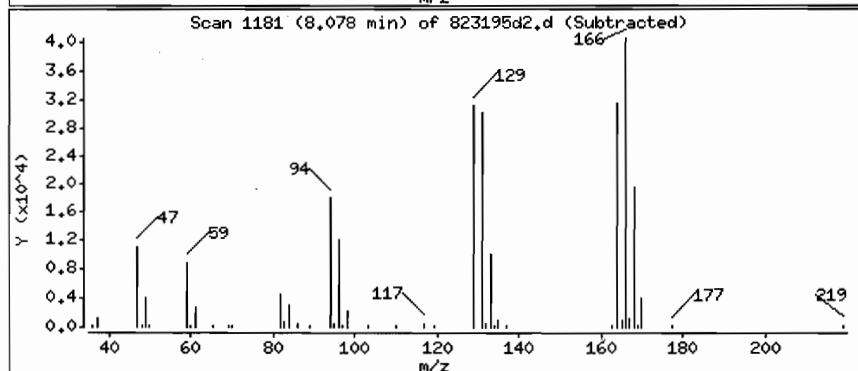
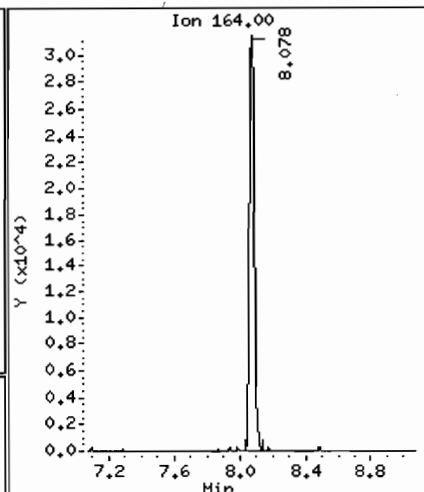
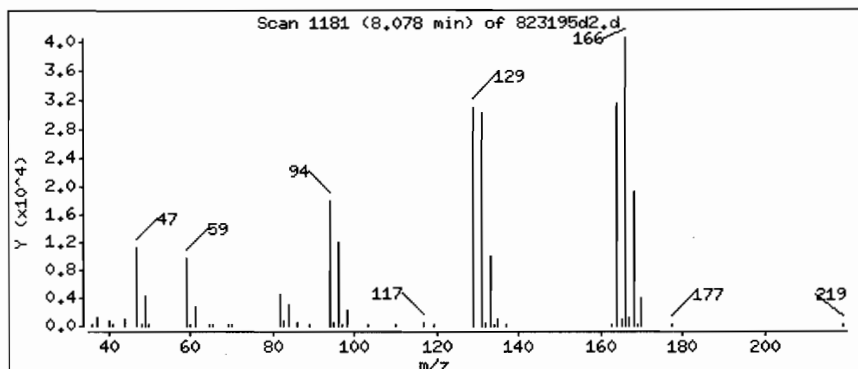
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 6.3 ug/L



Date: 24-MAR-2010 15:14

Client ID: DOCONTROL

Instrument: J.i

Sample Info: D=0 CONTROL ;[103/17/10 @1245(WATER)

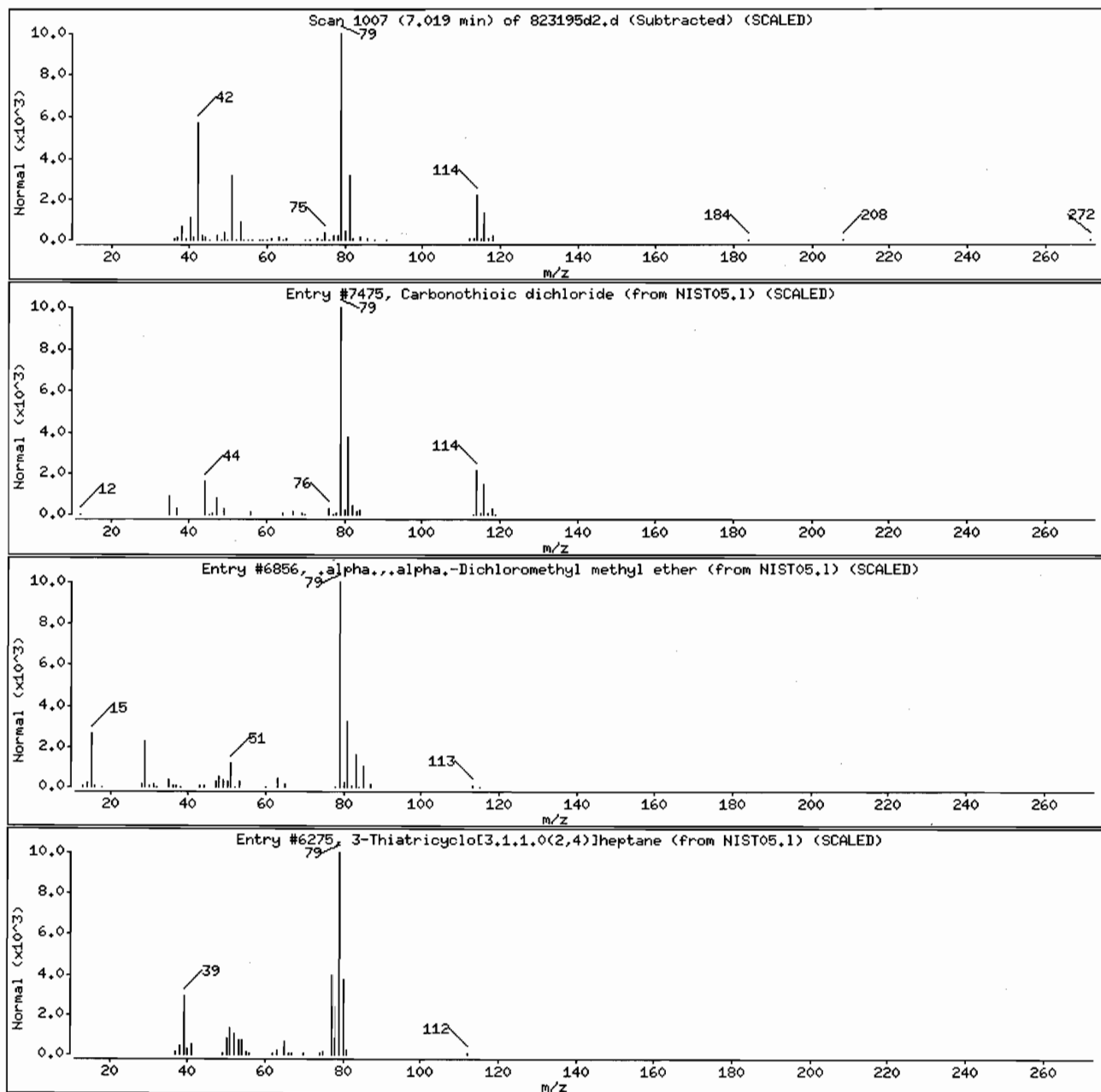
Purge Volume: 25.0

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	47	CCl2S	114
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	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.

DOCONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 63.8

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	32	U
74-87-3	Chloromethane	32	U
75-01-4	Vinyl chloride	32	U
74-83-9	Bromomethane	32	U
75-00-3	Chloroethane	32	U
75-69-4	Trichlorofluoromethane	32	U
75-35-4	1,1-Dichloroethene	32	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	32	U
67-64-1	Acetone	320	U
75-15-0	Carbon disulfide	32	U
79-20-9	Methyl acetate	32	U
75-09-2	Methylene chloride	32	U
156-60-5	trans-1,2-Dichloroethene	32	U
1634-04-4	Methyl tert-butyl ether	32	U
75-34-3	1,1-Dichloroethane	32	U
156-59-2	cis-1,2-Dichloroethene	32	U
78-93-3	2-Butanone	320	U
74-97-5	Bromochloromethane	32	U
67-66-3	Chloroform	32	U
71-55-6	1,1,1-Trichloroethane	32	U
110-82-7	Cyclohexane	32	U
56-23-5	Carbon tetrachloride	32	U
71-43-2	Benzene	32	U
107-06-2	1,2-Dichloroethane	32	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.

D0CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823195D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823195D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 63.8

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	920	D
108-87-2	Methylcyclohexane	32	U
78-87-5	1,2-Dichloropropane	32	U
75-27-4	Bromodichloromethane	32	U
10061-01-5	cis-1,3-Dichloropropene	32	U
108-10-1	4-Methyl-2-pentanone	320	U
108-88-3	Toluene	32	U
10061-02-6	trans-1,3-Dichloropropene	32	U
79-00-5	1,1,2-Trichloroethane	32	U
127-18-4	Tetrachloroethene	32	U
591-78-6	2-Hexanone	320	U
124-48-1	Dibromochloromethane	32	U
106-93-4	1,2-Dibromoethane	32	U
108-90-7	Chlorobenzene	32	U
100-41-4	Ethylbenzene	32	U
95-47-6	o-Xylene	32	U
179601-23-1	m,p-Xylene	32	U
100-42-5	Styrene	32	U
75-25-2	Bromoform	32	U
98-82-8	Isopropylbenzene	32	U
79-34-5	1,1,2,2-Tetrachloroethane	32	U
541-73-1	1,3-Dichlorobenzene	32	U
106-46-7	1,4-Dichlorobenzene	32	U
95-50-1	1,2-Dichlorobenzene	32	U
96-12-8	1,2-Dibromo-3-chloropropane	32	U
120-82-1	1,2,4-Trichlorobenzene	32	U
87-61-6	1,2,3-Trichlorobenzene	32	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. D0CONTROLDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823195D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823195D

Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010

% Moisture: not dec. Date Analyzed: 03/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 63.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

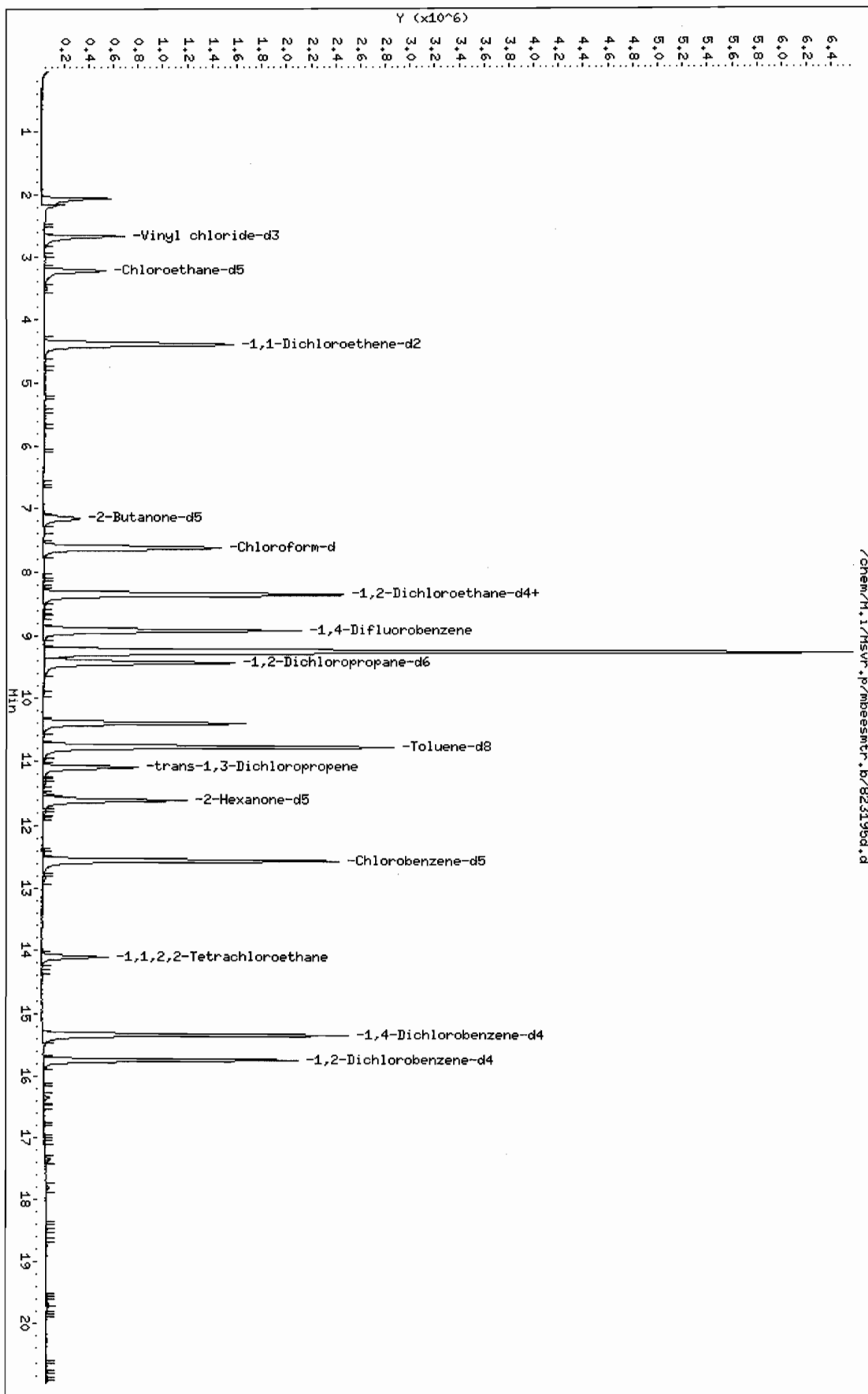
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	230	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesmr.b/823195d.d
Date: 21-MAR-2010 16:39
Client ID: DOCONTROL.DL
Sample Info: D=0 CONTROL : (103/17/10 Q1245(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPL
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823195d.d
Lab Smp Id: 823195D1 Client Smp ID: D0CONTROLDL
Inj Date : 21-MAR-2010 16:39
Operator : JP1 Inst ID: M.i
Smp Info : D=0 CONTROL : [] 03/17/10 @1245(WATER)
Misc Info : 823195,032110MO,63.8,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jd1 Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 7
Dil Factor: 63.80000
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	63.80000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.657	2.663	(0.298)	1338830	5.44795	5.4 (a)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.221	3.216	(0.362)	1104846	5.37118	5.4 (a)
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.388	4.393	(0.493)	2620275	4.45224	4.5 (a)
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.156	7.152	(0.803)	927868	58.5291	59(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	7.621	7.617	(0.856)	2316384	5.47617	5.5(aQ)
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	8.333	8.329	(0.936)	665029	5.98077	6.0(aQ)
\$ 29 Benzene-d6	84	8.343	8.339	(0.665)	3360882	5.33482	5.3(a)
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.906	8.902	(1.000)	3136685	5.00000	
33 Trichloroethene	95	9.243	9.238	(0.737)	4469967	14.4391	920
\$ 34 1,2-Dichloropropane-d6	67	9.421	9.416	(0.751)	1480729	4.83863	4.8(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	10.775	10.771	(0.859)	3572785	5.20722	5.2(a)
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.092	11.088	(0.884)	787496	4.90871	4.9(a)
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.596	11.592	(0.924)	959609	50.7058	51(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	12.545	12.541	(1.000)	2458809	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.108	14.103	(1.125)	566650	4.88060	4.9(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	15.334	15.330	(1.000)	1221346	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.729	15.725	(1.026)	943847	4.68800	4.7(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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823195d.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823195d.d
Lab Smp Id: 823195D1 Client Smp ID: DOCONTROLDL
Inj Date : 21-MAR-2010 16:39
Operator : JP1 Inst ID: M.i
Smp Info : D=0 CONTROL : [] 03/17/10 @1245(WATER)
Misc Info : 823195,032110MO,63.8,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 7
Dil Factor: 63.80000
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	63.80000	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	8.906	7878617	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown							
10.400	5665985	3.59579887	230	0		0	32

Data File: /chem/M.i/Msvr.p/mbeesmr.b/823195d.d

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Date : 21-MAR-2010 16:39

Client ID: DOCONTROLDL

Instrument: M.i

Sample Info: D=0 CONTROL :I 103/17/10 @1245(WATER)

Purge Volume: 25.0

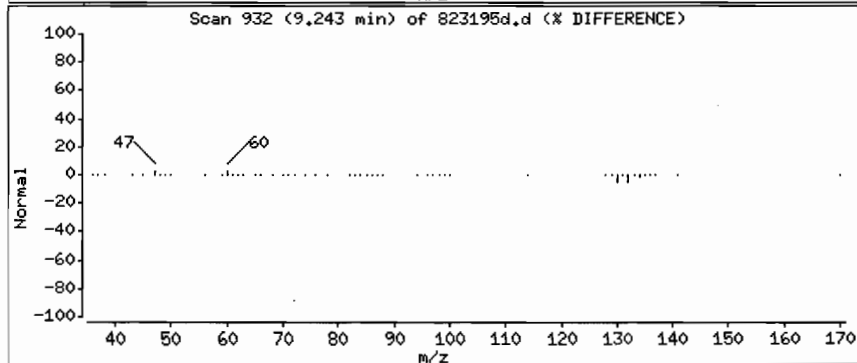
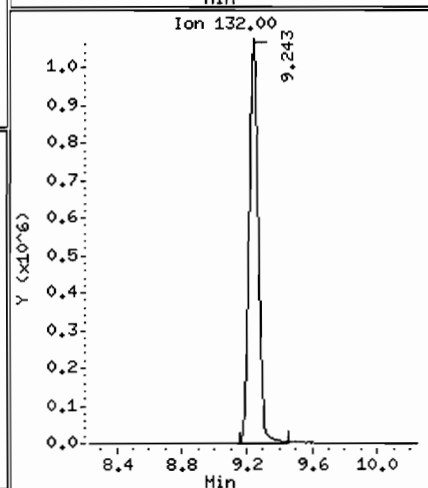
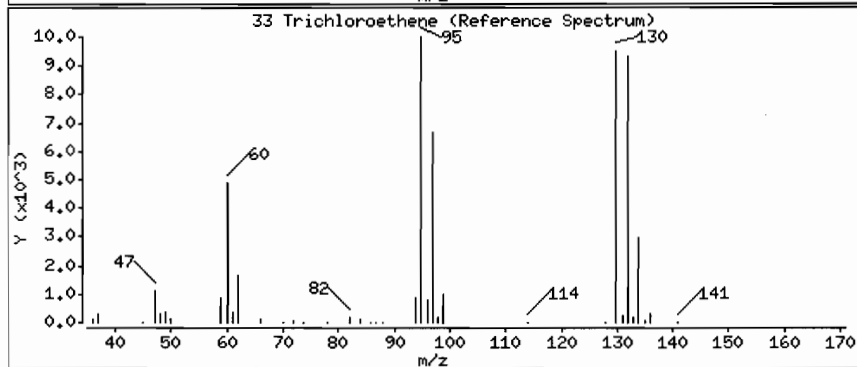
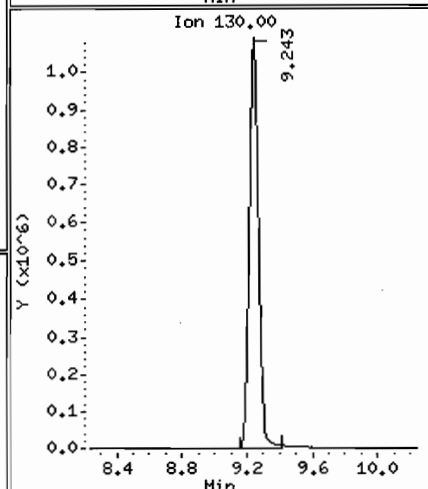
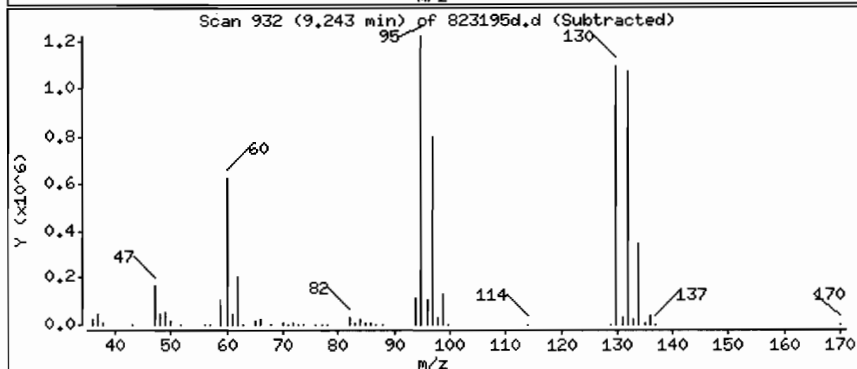
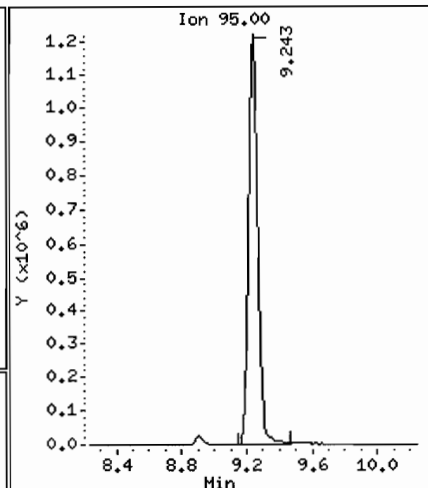
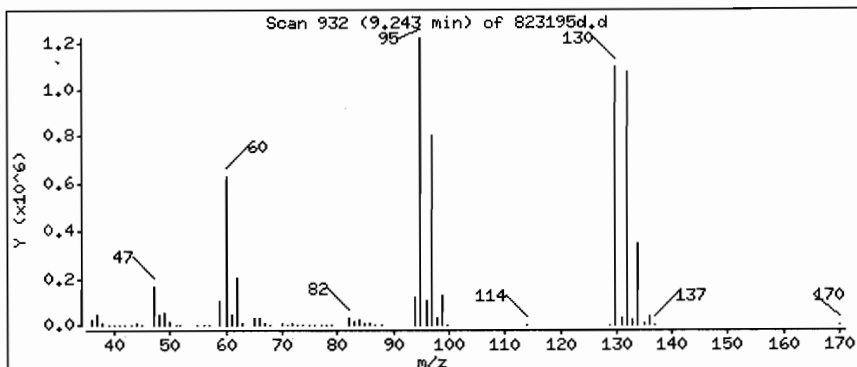
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 920 ug/L



Date : 21-MAR-2010 16:39

Client ID: DOCONTROLDL

Instrument: M.i

Sample Info: D=0 CONTROL :[103/17/10 @1245(WATER)

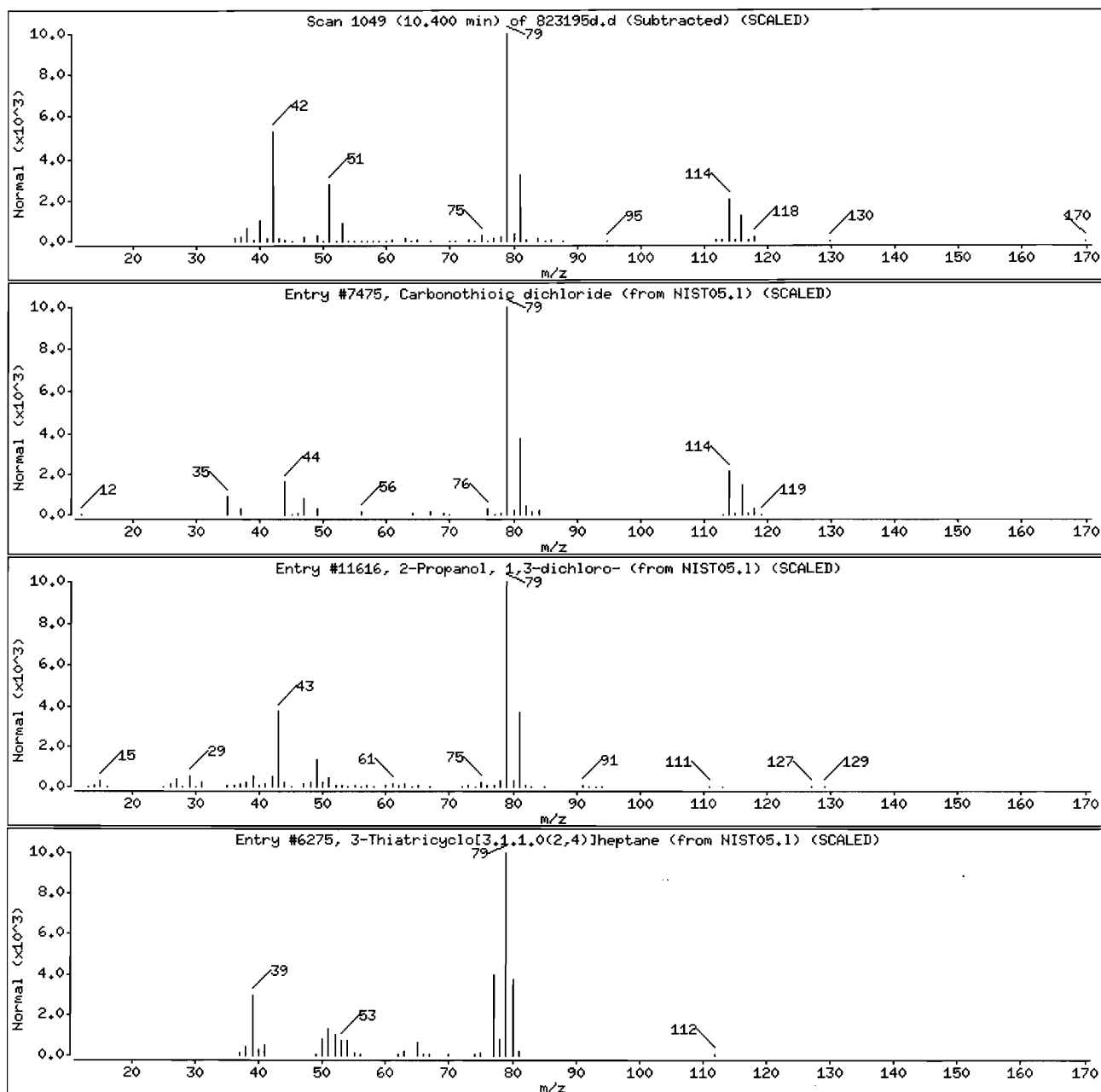
Purge Volume: 25.0

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	50	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823197

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823197D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 1.7

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	0.85	U
74-87-3	Chloromethane	0.85	U
75-01-4	Vinyl chloride	0.85	U
74-83-9	Bromomethane	0.85	U
75-00-3	Chloroethane	0.85	U
75-69-4	Trichlorofluoromethane	0.85	U
75-35-4	1,1-Dichloroethene	0.85	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.85	U
67-64-1	Acetone	73	
75-15-0	Carbon disulfide	0.85	U
79-20-9	Methyl acetate	0.85	U
75-09-2	Methylene chloride	27	
156-60-5	trans-1,2-Dichloroethene	0.85	U
1634-04-4	Methyl tert-butyl ether	0.64	J
75-34-3	1,1-Dichloroethane	0.85	U
156-59-2	cis-1,2-Dichloroethene	0.85	U
78-93-3	2-Butanone	5.3	J
74-97-5	Bromochloromethane	0.85	U
67-66-3	Chloroform	0.85	U
71-55-6	1,1,1-Trichloroethane	0.85	U
110-82-7	Cyclohexane	0.85	U
56-23-5	Carbon tetrachloride	0.85	U
71-43-2	Benzene	0.85	U
107-06-2	1,2-Dichloroethane	0.85	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.

D31.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823197

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823197D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 1.7

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	0.85	U
108-87-2	Methylcyclohexane	0.85	U
78-87-5	1,2-Dichloropropane	0.85	U
75-27-4	Bromodichloromethane	0.85	U
10061-01-5	cis-1,3-Dichloropropene	0.85	U
108-10-1	4-Methyl-2-pentanone	8.5	U
108-88-3	Toluene	0.90	U
10061-02-6	trans-1,3-Dichloropropene	0.85	U
79-00-5	1,1,2-Trichloroethane	0.85	U
127-18-4	Tetrachloroethene	0.74	J
591-78-6	2-Hexanone	8.5	U
124-48-1	Dibromochloromethane	0.85	U
106-93-4	1,2-Dibromoethane	0.85	U
108-90-7	Chlorobenzene	0.85	U
100-41-4	Ethylbenzene	0.85	U
95-47-6	o-Xylene	0.85	U
179601-23-1	m,p-Xylene	0.85	U
100-42-5	Styrene	0.85	U
75-25-2	Bromoform	0.85	U
98-82-8	Isopropylbenzene	0.85	U
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U
541-73-1	1,3-Dichlorobenzene	0.85	U
106-46-7	1,4-Dichlorobenzene	0.85	U
95-50-1	1,2-Dichlorobenzene	0.85	U
96-12-8	1,2-Dibromo-3-chloropropane	0.85	U
120-82-1	1,2,4-Trichlorobenzene	0.85	U
87-61-6	1,2,3-Trichlorobenzene	0.85	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D31.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823197

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823197D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 1.7

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	10.40	6.3	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		

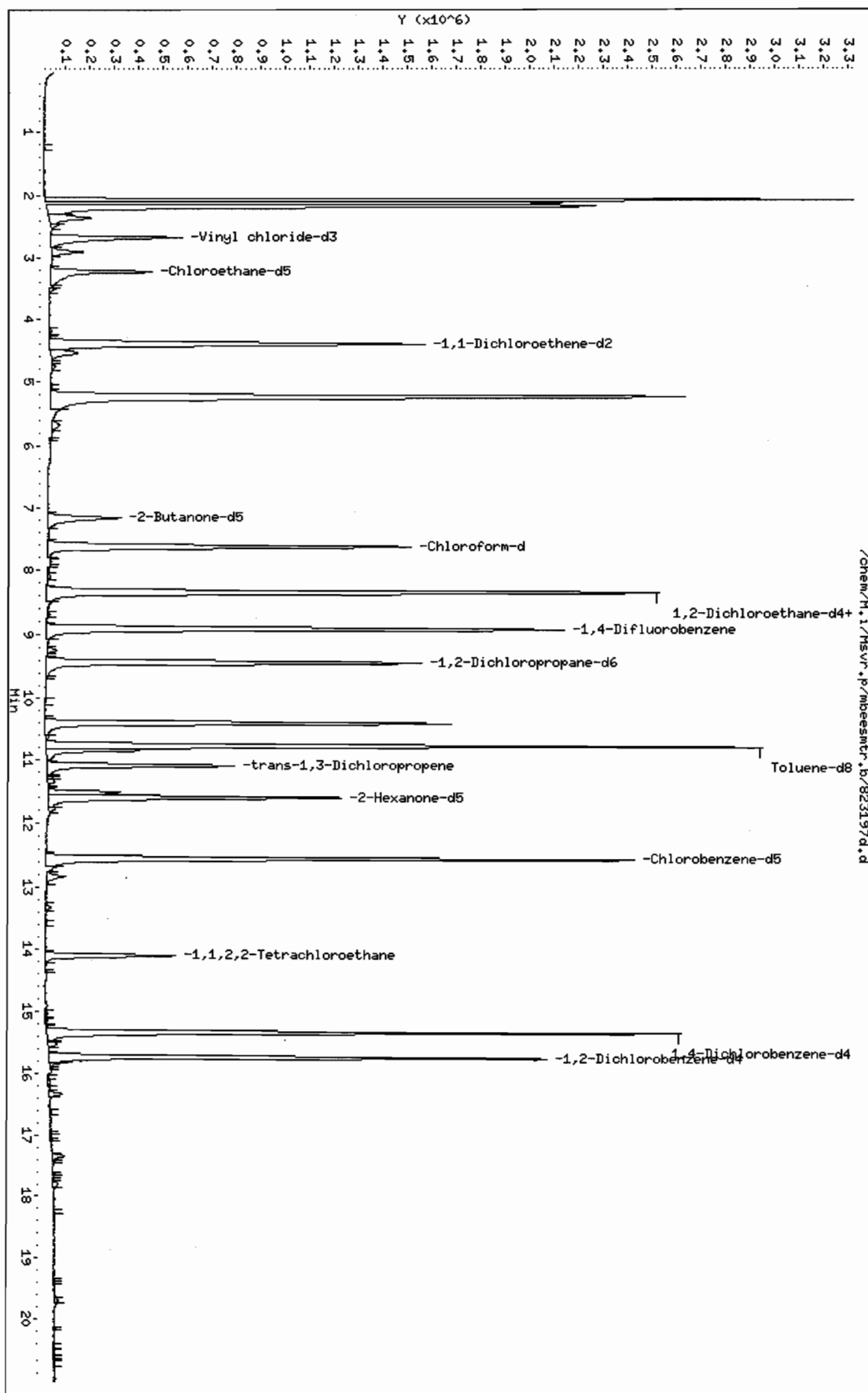
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeasmt.b/823197.d
 Date: 21-MAR-2010 17:43
 Client ID: D31.5HIGH
 Sample Info: D=3 1.5% HIGH : (103/17/10 04520(WATER))
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: M.i
 Operator: JPI
 Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823197d.d
Lab Smp Id: 823197 Client Smp ID: D31.5HIGH
Inj Date : 21-MAR-2010 17:43
Operator : JPl Inst ID: M.i
Smp Info : D=3 1.5% HIGH : [] 03/17/10 @1520(WATER)
Misc Info : 823197,032110MO,1.7,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:24 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 9
Dil Factor: 1.70000
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	1.70000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.653	2.663	(0.298)	1334077	5.36134	5.4
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.216	3.216	(0.361)	1103103	5.29625	5.3
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.383	4.393	(0.492)	2621418	4.39899	4.4
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	4.541	4.541	(0.510)	360884	42.9776	73
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====	
15 Methylene chloride	84	5.214	5.224	(0.586)	2401245	15.7941	27	
16 trans-1,2-Dichloroethene	96	Compound Not Detected.						
17 Methyl tert-butyl ether	73	5.668	5.669	(0.637)	67946	0.37477	0.64 (aM)	
18 1,1-Dichloroethane	63	Compound Not Detected.						
\$ 19 2-Butanone-d5	46	7.162	7.152	(0.804)	938025	58.4366	58	
20 cis-1,2-Dichloroethene	96	Compound Not Detected.						
21 2-Butanone	43	7.241	7.241	(0.813)	47282	3.13710	5.3 (a)	
22 Bromochloromethane	128	Compound Not Detected.						
\$ 23 Chloroform-d	84	7.616	7.617	(0.856)	2328400	5.43636	5.4 (Q)	
24 Chloroform	83	Compound Not Detected.						
25 1,1,1-Trichloroethane	97	Compound Not Detected.						
26 Cyclohexane	56	Compound Not Detected.						
27 Carbon tetrachloride	117	Compound Not Detected.						
\$ 28 1,2-Dichloroethane-d4	65	8.328	8.329	(0.936)	674788	5.99334	6.0 (Q)	
\$ 29 Benzene-d6	84	8.338	8.339	(0.665)	3455288	5.37706	5.4	
30 Benzene	78	Compound Not Detected.						
31 1,2-Dichloroethane	62	Compound Not Detected.						
* 32 1,4-Difluorobenzene	114	8.902	8.902	(1.000)	3176041	5.00000		
33 Trichloroethene	95	Compound Not Detected.						
\$ 34 1,2-Dichloropropane-d6	67	9.426	9.416	(0.752)	1508037	4.83118	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	10.771	10.771	(0.859)	3605621	5.15197	5.2	
41 Toluene	91	10.850	10.850	(0.865)	378792	0.52755	0.90	
\$ 42 trans-1,3-Dichloropropene-d4	79	11.097	11.088	(0.885)	811551	4.95940	5.0	
43 trans-1,3-Dichloropropene	75	Compound Not Detected.						
44 1,1,2-Trichloroethane	97	Compound Not Detected.						
45 Tetrachloroethene	164	11.522	11.523	(0.919)	133980	0.43564	0.74 (a)	
\$ 46 2-Hexanone-d5	63	11.601	11.592	(0.925)	995592	51.5749	52	
47 2-Hexanone	43	Compound Not Detected.						
48 Dibromochloromethane	129	Compound Not Detected.						
49 1,2-Dibromoethane	107	Compound Not Detected.						
* 50 Chlorobenzene-d5	117	12.541	12.541	(1.000)	2508018	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	172	Compound Not Detected.						
57 Isopropylbenzene	105	Compound Not Detected.						
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.103	14.103	(1.125)	580978	4.90583	4.9	
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
60 1,3-Dichlorobenzene	146	Compound Not Detected.						
* 61 1,4-Dichlorobenzene-d4	152	15.329	15.330	(1.000)	1244209	5.00000		
62 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.735	15.725	(1.026)	948780	4.62590	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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823197d.d
Report Date: 25-Mar-2010 10:50

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823197d.d
Lab Smp Id: 823197 Client Smp ID: D31.5HIGH
Inj Date : 21-MAR-2010 17:43
Operator : JP1 Inst ID: M.i
Smp Info : D=3 1.5% HIGH : [] 03/17/10 @1520(WATER)
Misc Info : 823197,032110MO,1.7,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:24 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 9
Dil Factor: 1.70000
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	1.70000	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	8.902	7951676	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.395	5870424	3.69131244	6.3	0		0	32

Data File: /chem/H.i/Msvr.p/mbeesmr.b/823197d.d

Page 6

Date : 21-MAR-2010 17:43

Client ID: D31.5HIGH

Instrument: H.i

Sample Info: D=3 1.5% HIGH :[103/17/10 @1520(WATER)

Purge Volume: 25.0

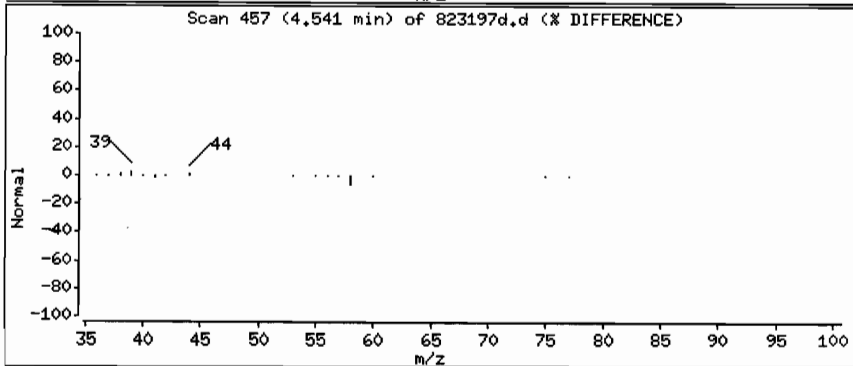
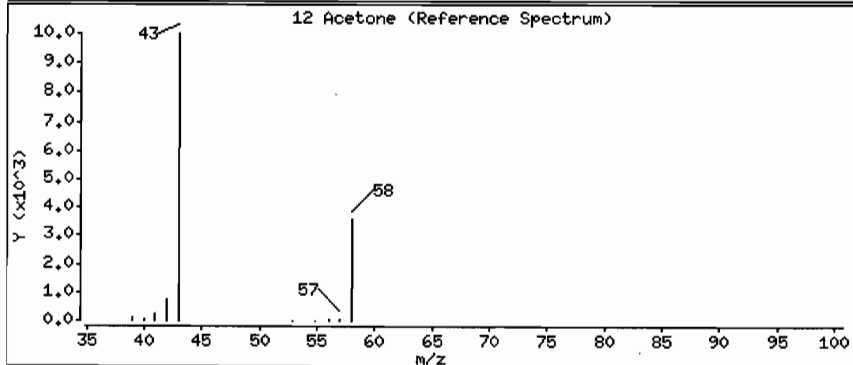
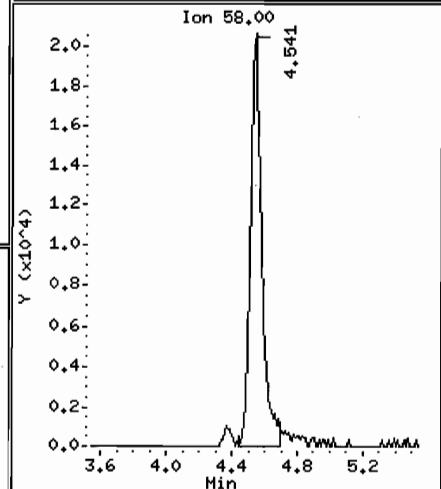
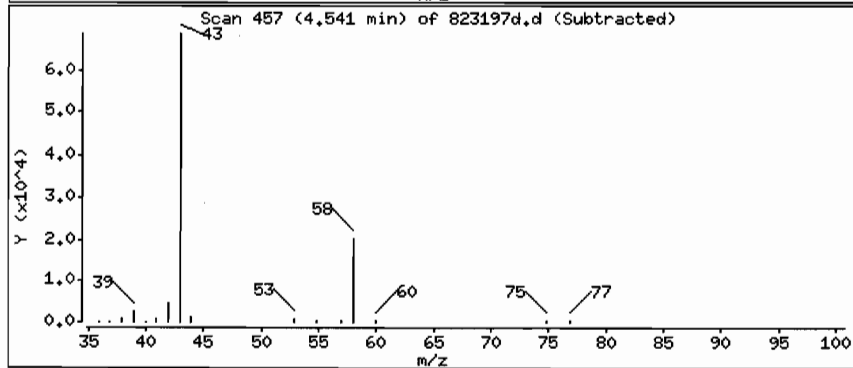
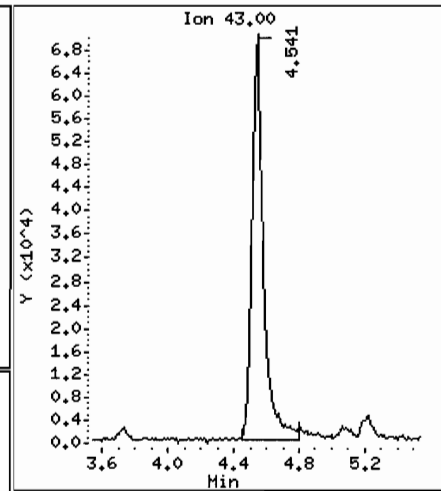
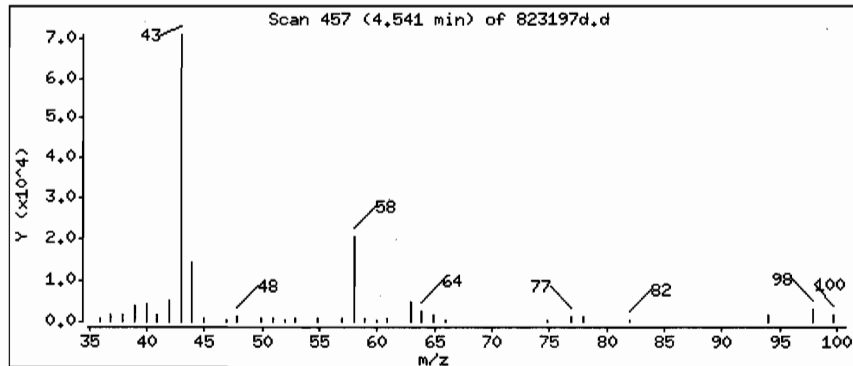
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 73 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmr.b/823197d.d

Page 7

Date : 21-MAR-2010 17:43

Client ID: D31.5HIGH

Instrument: M.i

Sample Info: D=3 1.5% HIGH :I 103/17/10 @1520(WATER)

Purge Volume: 25.0

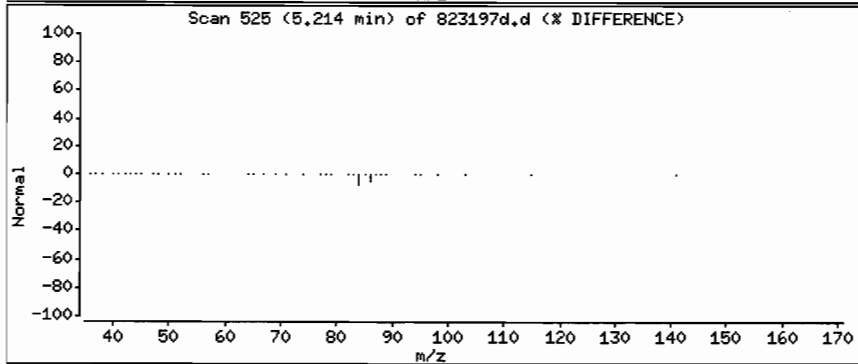
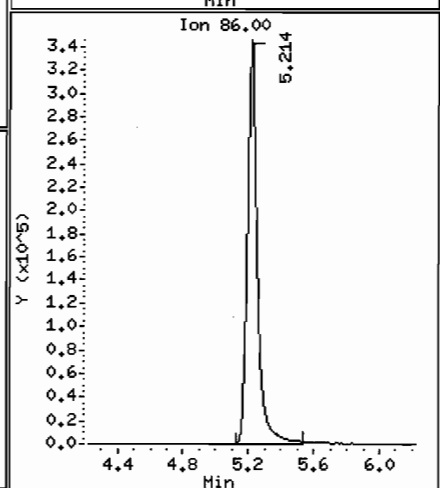
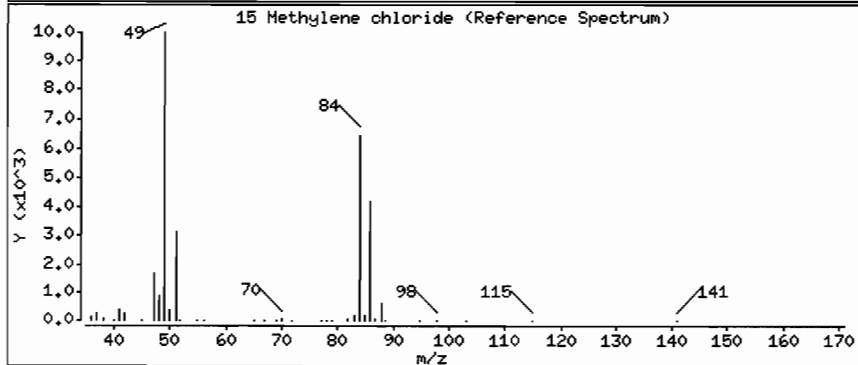
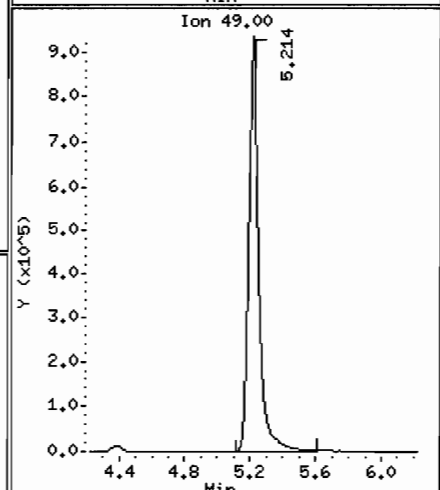
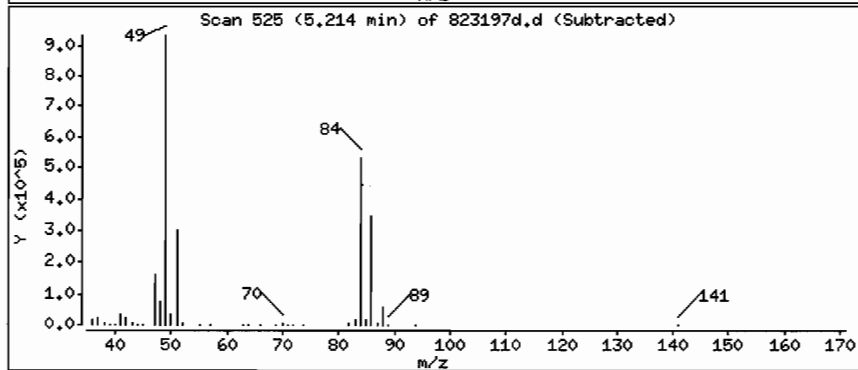
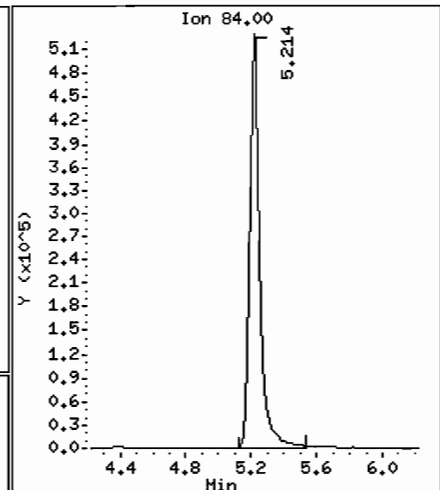
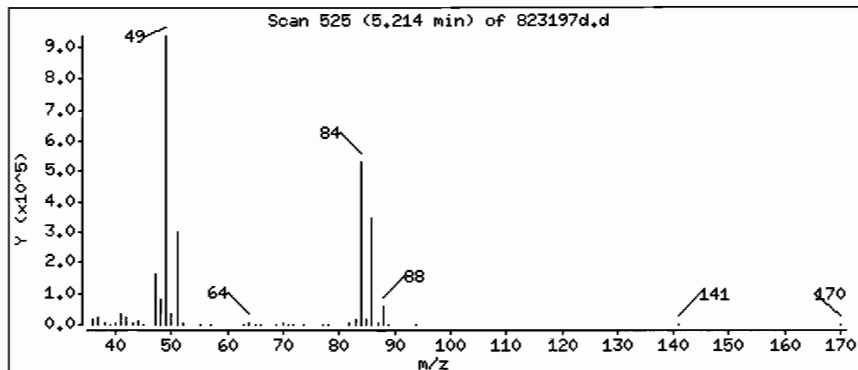
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 27 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmr.b/823197d.d

Page 8

Date : 21-MAR-2010 17:43

Client ID: D31.5HIGH

Instrument: M.i

Sample Info: D=3 1.5% HIGH :I 103/17/10 @1520(WATER)

Purge Volume: 25.0

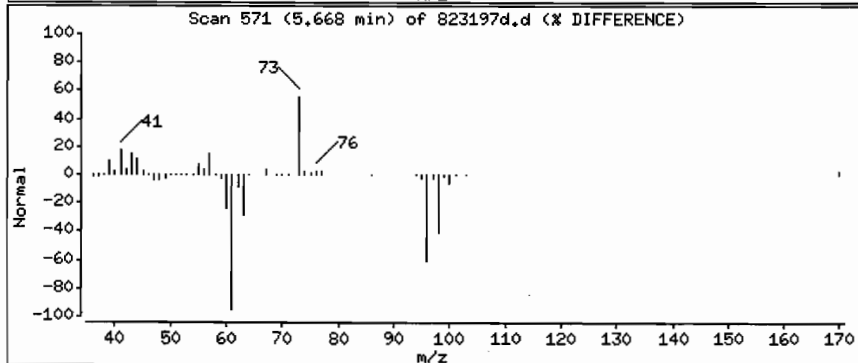
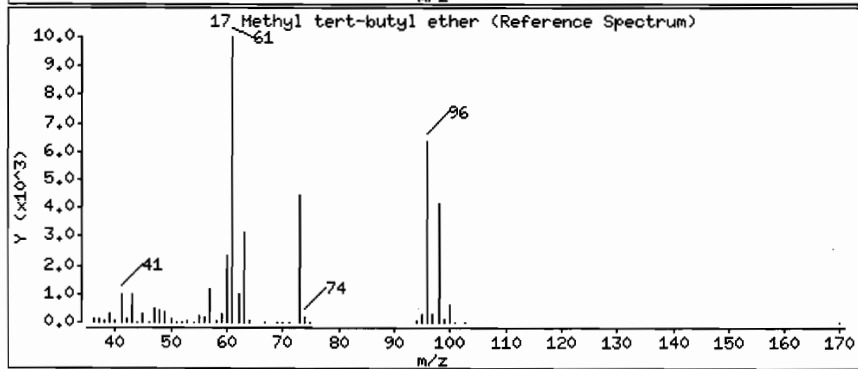
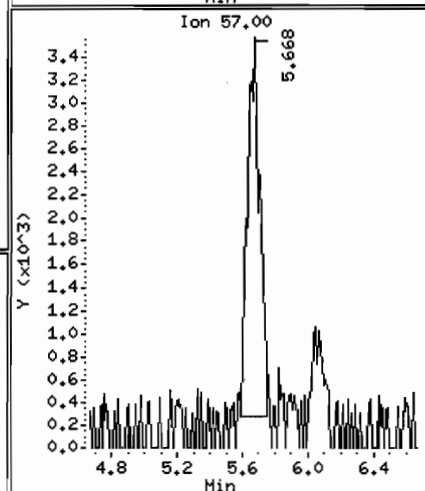
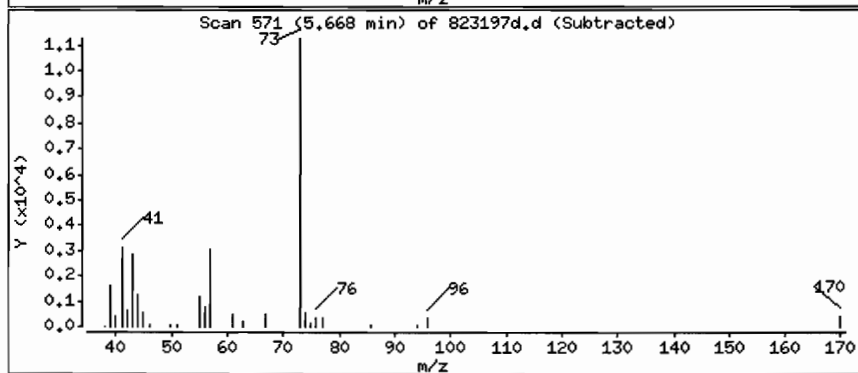
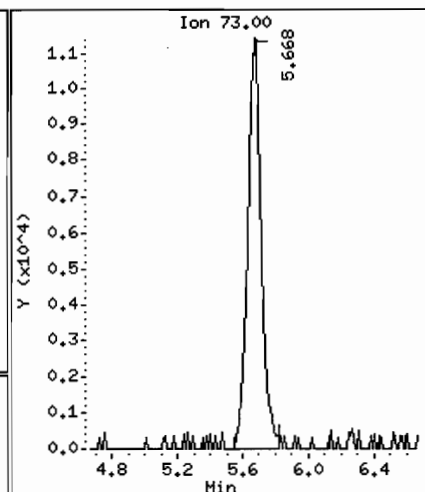
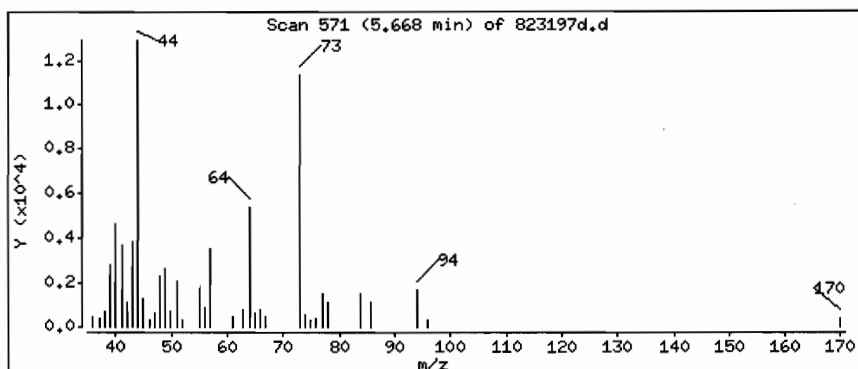
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.64 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmr.b/823197d.d

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Date : 21-MAR-2010 17:43

Client ID: D31.5HIGH

Instrument: M.i

Sample Info: D=3 1.5% HIGH ;[103/17/10 @1520(WATER)

Purge Volume: 25.0

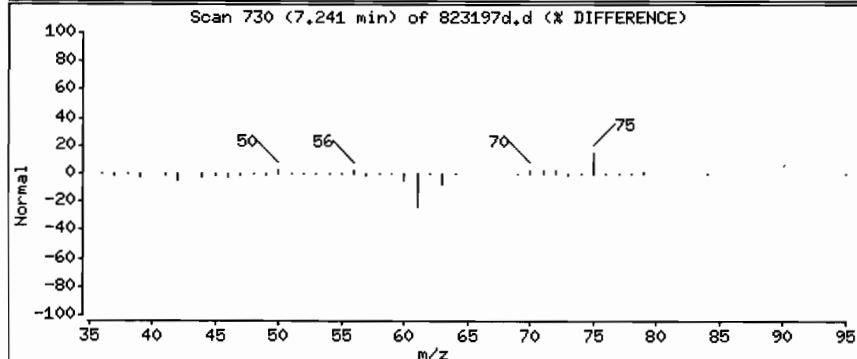
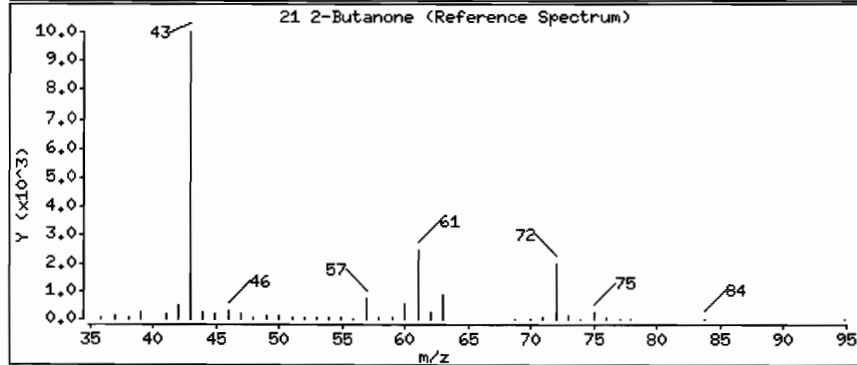
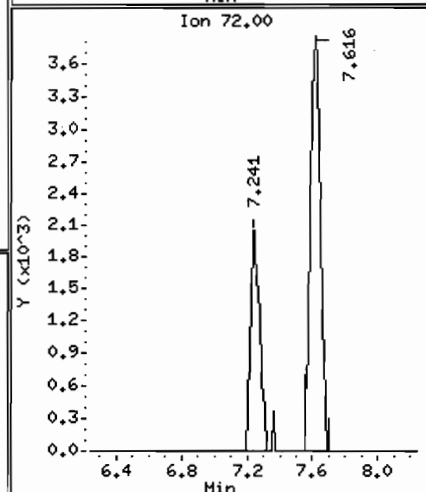
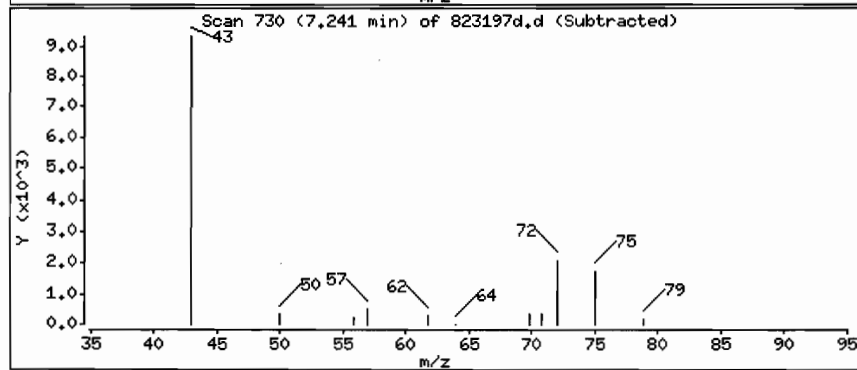
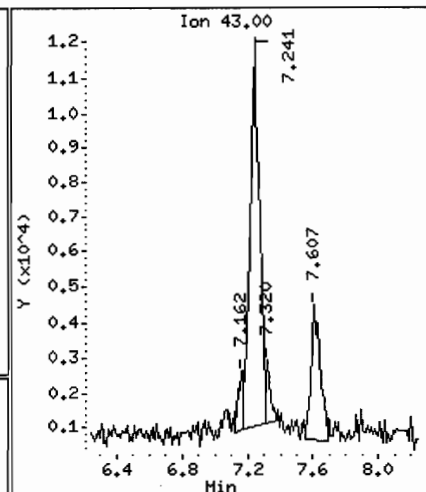
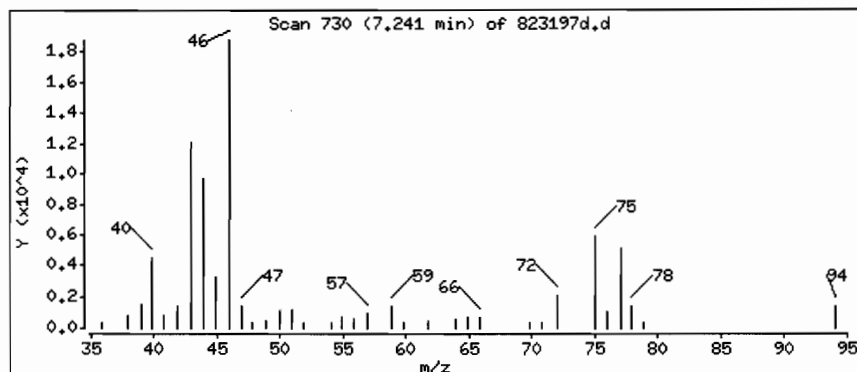
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 5.3 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmr.b/823197d.d

Page 10

Date : 21-MAR-2010 17:43

Client ID: D31.5HIGH

Instrument: H.i

Sample Info: D=3 1.5% HIGH :[103/17/10 @1520(WATER)

Purge Volume: 25.0

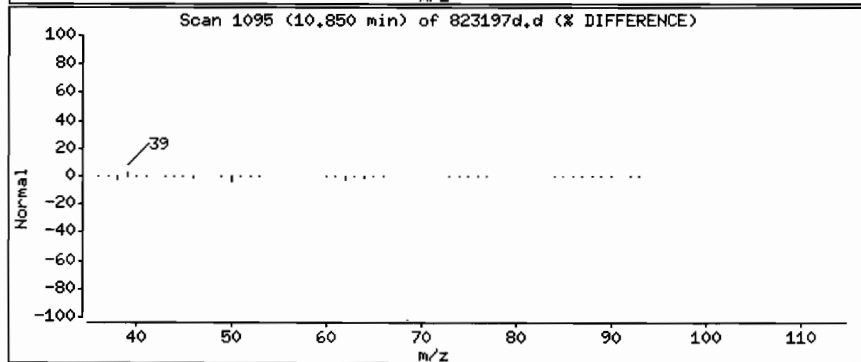
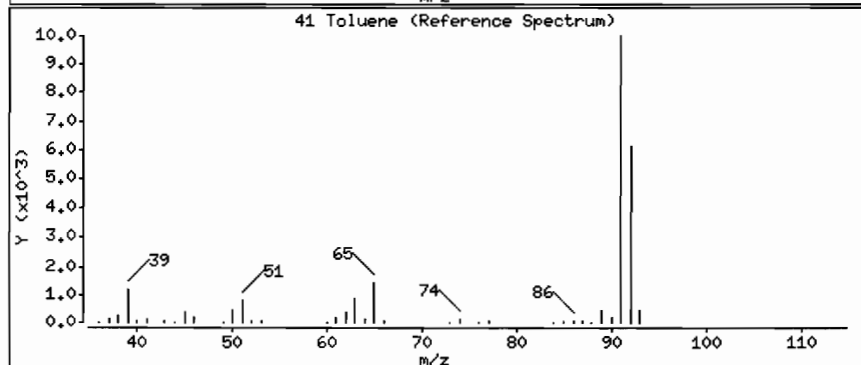
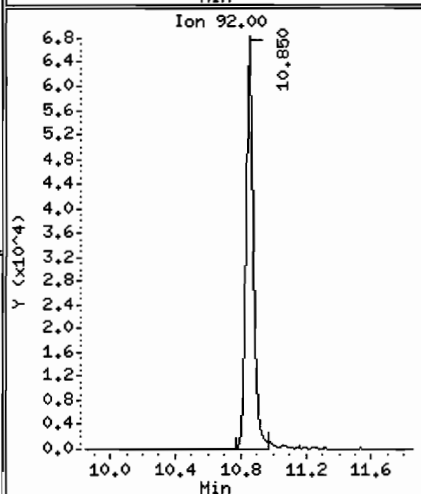
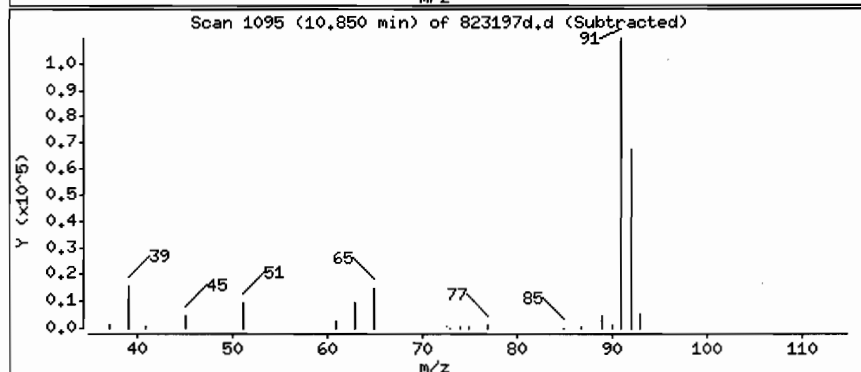
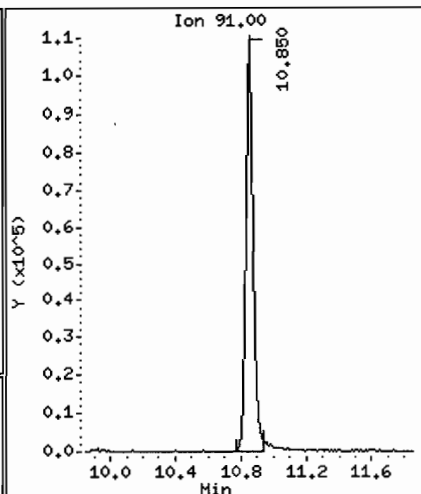
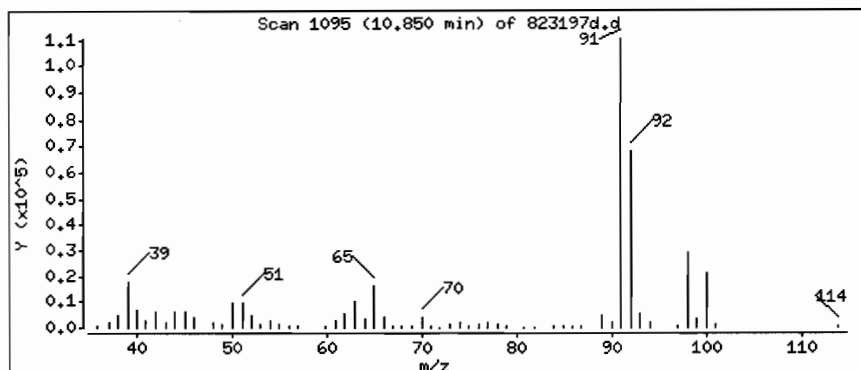
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.90 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823197d.d

Page 11

Date : 21-MAR-2010 17:43

Client ID: D31.5HIGH

Instrument: M.i

Sample Info: D=3 1.5% HIGH :[103/17/10 @1520(WATER)

Purge Volume: 25.0

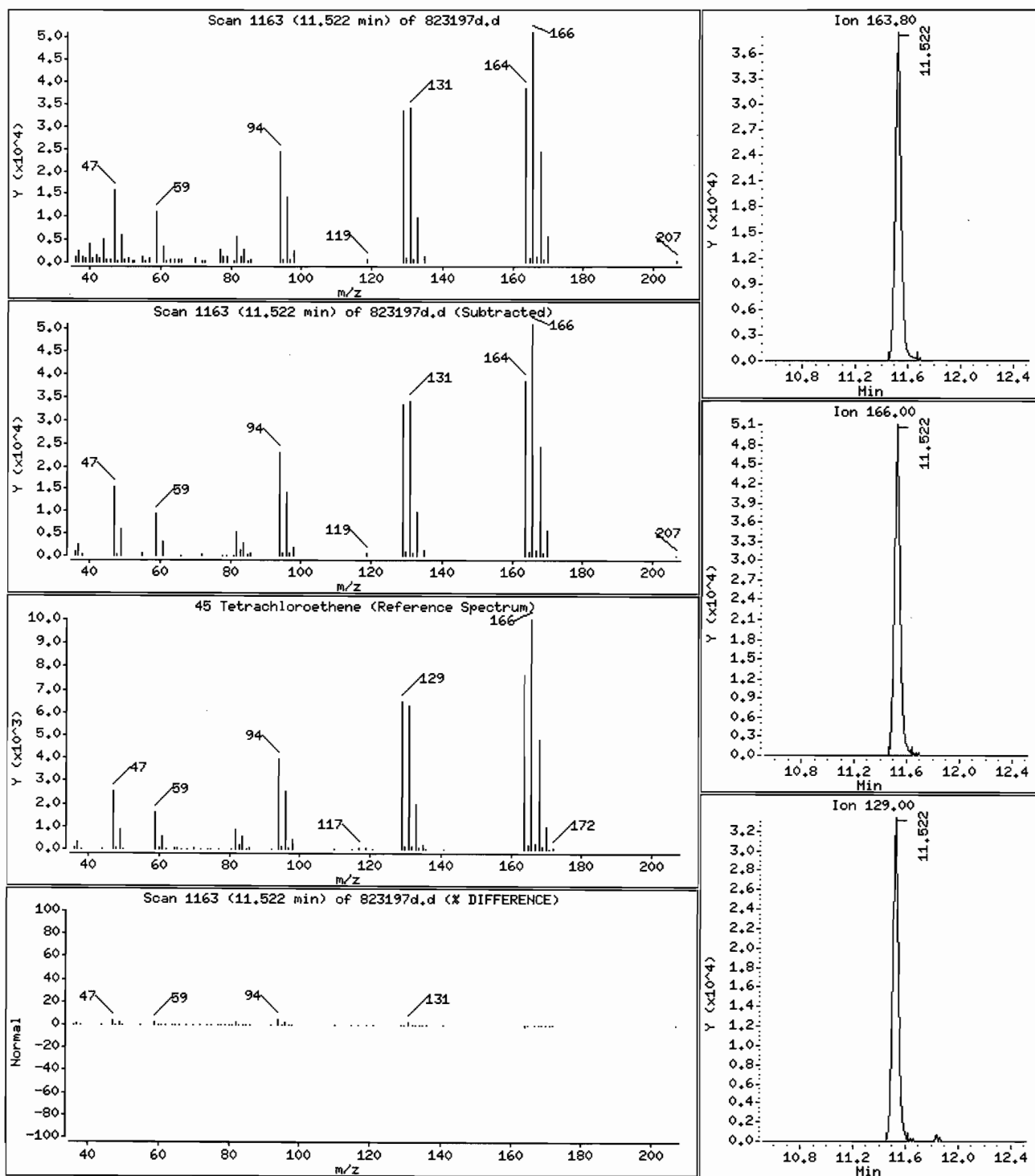
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 0.74 ug/L



Date : 21-MAR-2010 17:43

Client ID: D31.5HIGH

Instrument: H.i

Sample Info: D=3 1.5% HIGH :[103/17/10 @1520(WATER)

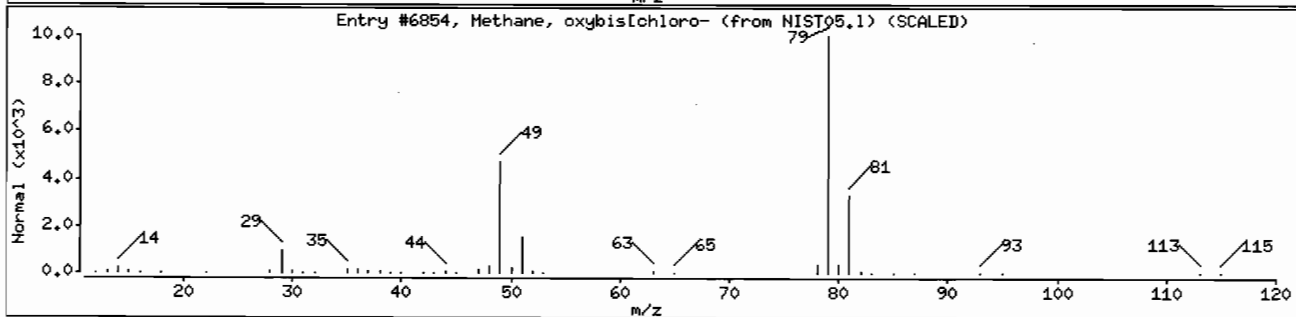
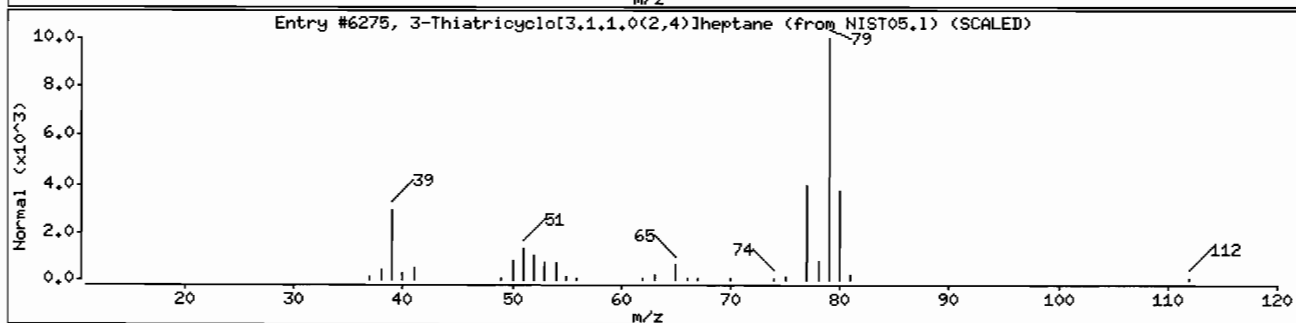
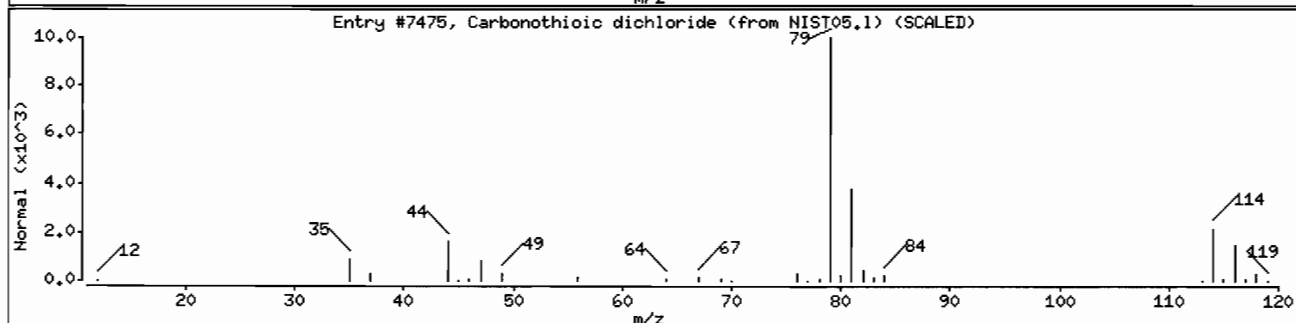
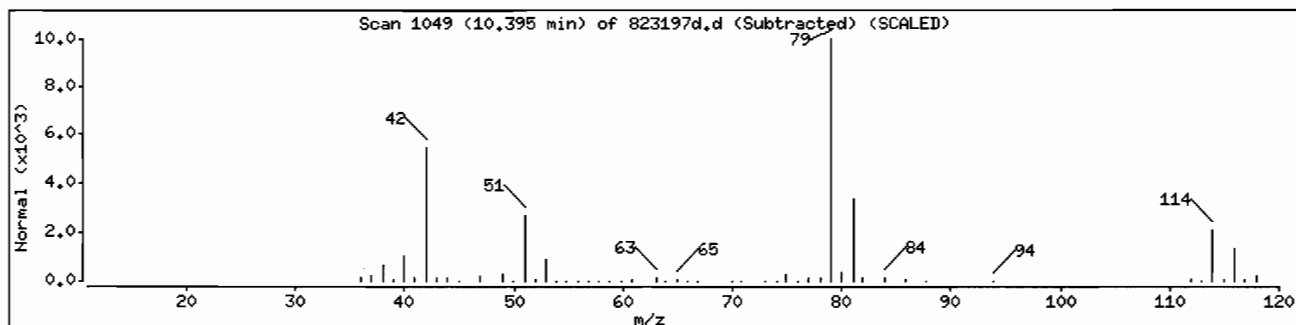
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

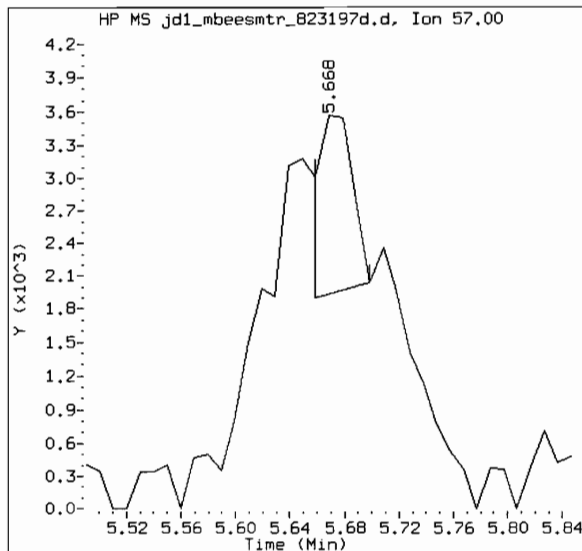
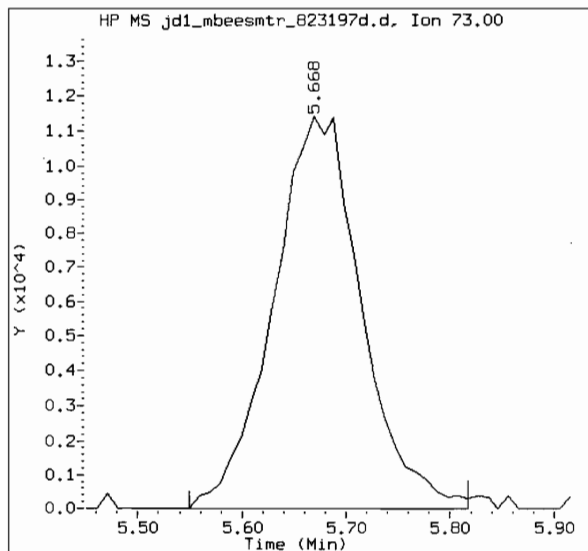
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



MANUAL INTEGRATION REPORT

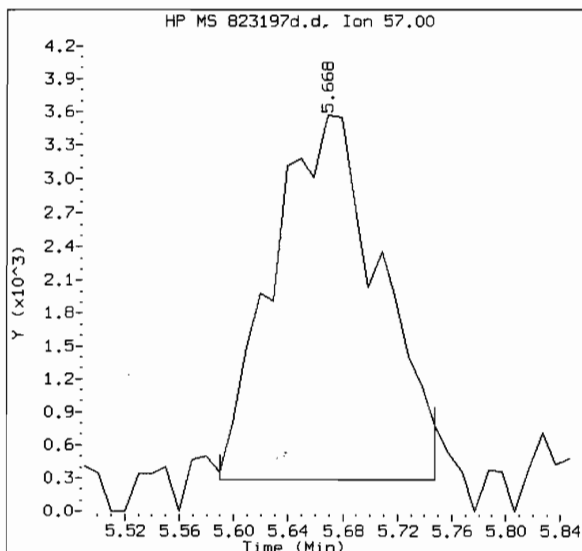
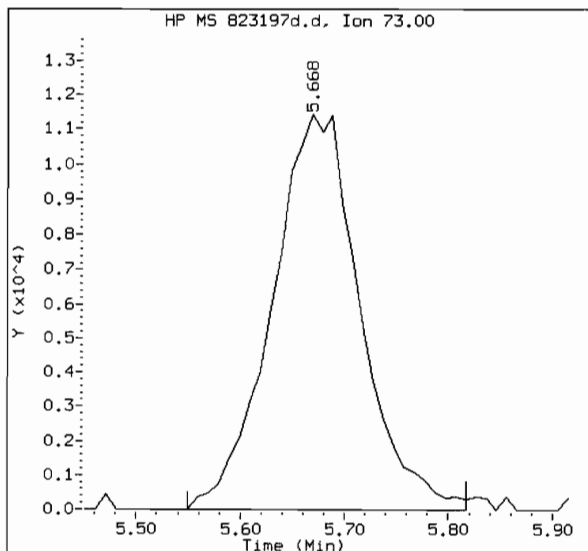
Data File Name: 823197d.d Inj. Date and Time: 21-MAR-2010 17:43 Target Version: Target 3.50
 Client Sample ID: D31.5HIGH Instrument ID: M.i Report Version: 1.1
 Compound Name: Methyl tert-butyl ether CAS #: 1634-04-4 Report Date: 03/25/2010 10:50



Original Integrations:

Area = 67946

Area = 3041



Final Integrations:

Area = 67946

Area = 18173

Manual Integration Reason: M11 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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	57	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	23	E
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.63	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.26	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.

D31.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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	0.25	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	0.82	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	2.7	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.

D31.5MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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)

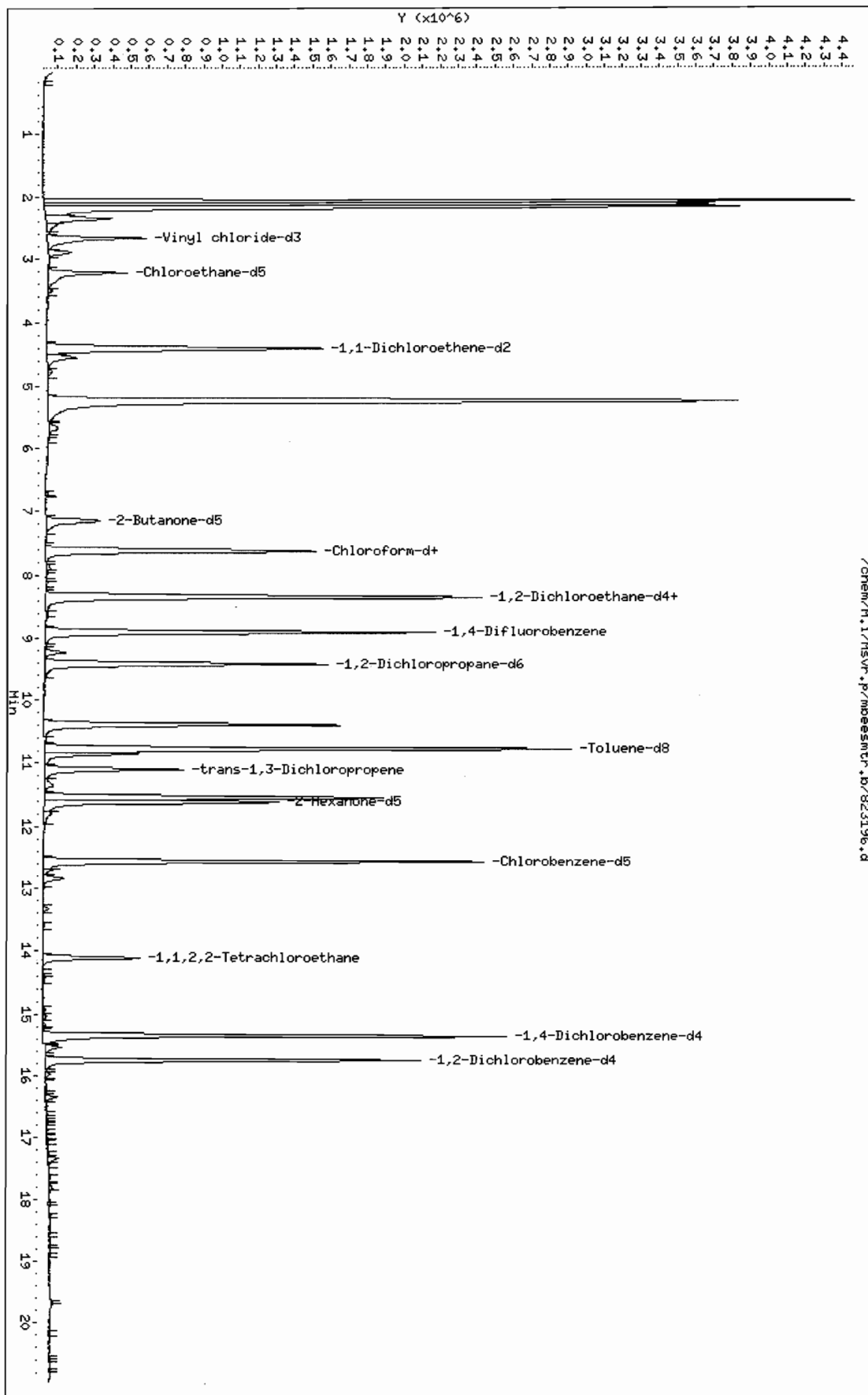
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	3.6	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesmtr.b/823196.d
Date : 21-MAR-2010 19:17
Client ID: D31.SMED
Sample Info: D=3 1.5% MEDIUM : I 103/17/10 @4510(MATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823196.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823196.d
Lab Smp Id: 823196 Client Smp ID: D31.5MED
Inj Date : 21-MAR-2010 19:17
Operator : JP1 Inst ID: M.i
Smp Info : D=3 1.5% MEDIUM :[]03/17/10 @1510(WATER)
Misc Info : 823196,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.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			CONCENTRATIONS		ON-COLUMN (ug/L)	FINAL (ug/L)
		MASS	RT	EXP RT REL RT	RESPONSE		
1 Dichlorodifluoromethane	85			Compound Not Detected.			
2 Chloromethane	50			Compound Not Detected.			
\$ 3 Vinyl chloride-d3	65		2.657	2.663 (0.298)	1288538	5.17363	5.2
4 Vinyl chloride	62			Compound Not Detected.			
5 Bromomethane	94			Compound Not Detected.			
\$ 6 Chloroethane-d5	69		3.220	3.216 (0.362)	1073548	5.14967	5.1
7 Chloroethane	64			Compound Not Detected.			
8 Trichlorofluoromethane	101			Compound Not Detected.			
\$ 9 1,1-Dichloroethene-d2	63		4.397	4.393 (0.494)	2593007	4.34736	4.3
10 1,1-Dichloroethene	96			Compound Not Detected.			
11 1,1,2-Trichloro-1,2,2-trifluo	101			Compound Not Detected.			
12 Acetone	43		4.545	4.541 (0.510)	478169	56.8934	57
13 Carbon disulfide	76			Compound Not Detected.			
14 Methyl acetate	43			Compound Not Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	5.228	5.224	(0.587)	3514208	23.0936	23 (A)
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	5.683	5.669	(0.638)	113829	0.62729	0.63 (MH)
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	7.156	7.152	(0.803)	925526	57.6056	58
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	7.245	7.241	(0.813)	54835	3.63493	3.6 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	7.621	7.617	(0.856)	2328983	5.43279	5.4 (Q)
24 Chloroform	83	7.640	7.646	(0.858)	105390	0.25669	0.26 (aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.333	8.329	(0.936)	657189	5.83173	5.8 (Q)
\$ 29 Benzene-d6	84	8.343	8.339	(0.665)	3288374	5.09389	5.1
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.906	8.902	(1.000)	3178926	5.00000	
33 Trichloroethene	95	9.242	9.238	(0.737)	79191	0.24964	0.25 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.420	9.416	(0.751)	1507187	4.80635	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	10.765	10.771	(0.858)	3570607	5.07859	5.1
41 Toluene	91	10.854	10.850	(0.865)	588870	0.81638	0.82
\$ 42 trans-1,3-Dichloropropene-d4	79	11.091	11.088	(0.884)	805708	4.90115	4.9
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	11.527	11.523	(0.919)	846589	2.74012	2.7
\$ 46 2-Hexanone-d5	63	11.596	11.592	(0.924)	983818	50.7317	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	12.545	12.541	(1.000)	2519551	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.107	14.103	(1.125)	583350	4.90331	4.9
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	15.334	15.330	(1.000)	1243324	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.729	15.725	(1.026)	940831	4.59041	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823196.d
Report Date: 25-Mar-2010 10:23

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823196.d
Lab Smp Id: 823196 Client Smp ID: D31.5MED
Inj Date : 21-MAR-2010 19:17
Operator : JP1 Inst ID: M.i
Smp Info : D=3 1.5% MEDIUM :[]03/17/10 @1510(WATER)
Misc Info : 823196,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.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	8.906	7970484	5.000

CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY CPND #
=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:	
10.399	5756909	3.61139218	3.6	0		0 32

Data File: /chem/M.i/Msvr.p/mbeesmr.b/823196.d

Page 6

Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

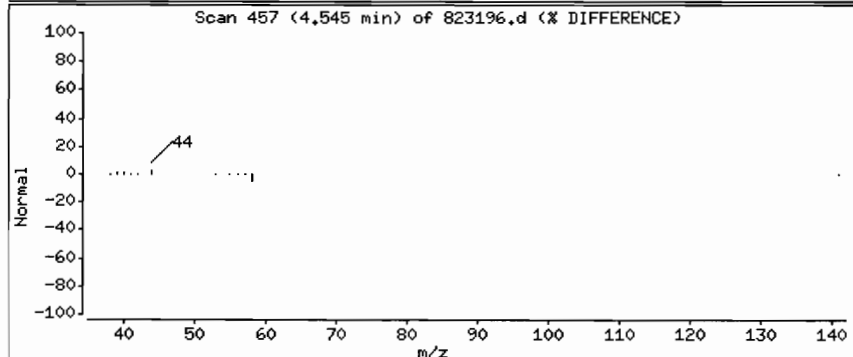
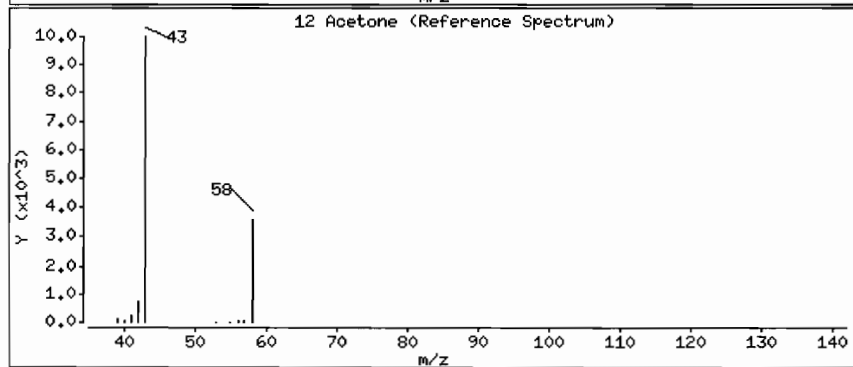
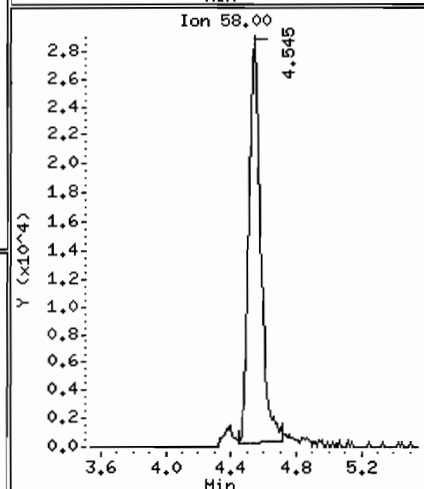
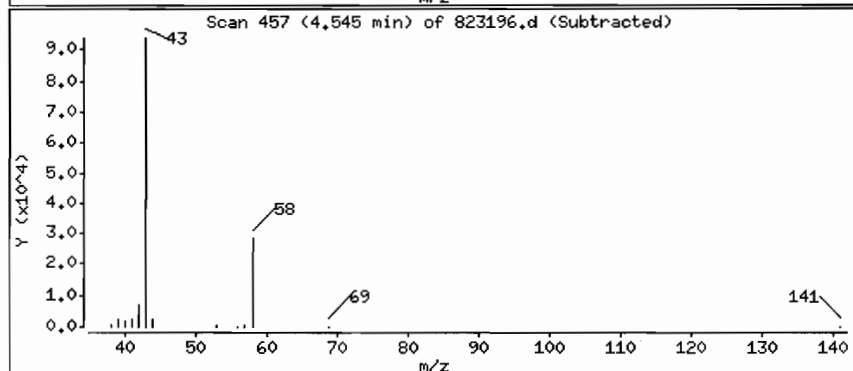
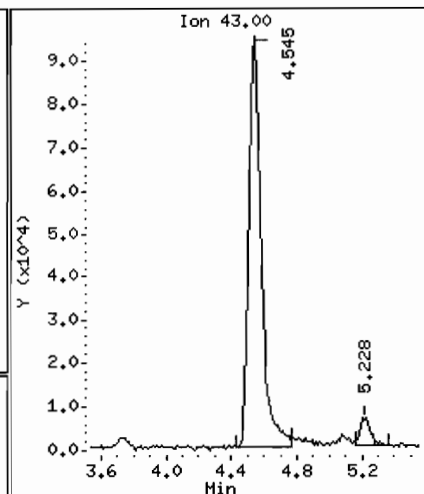
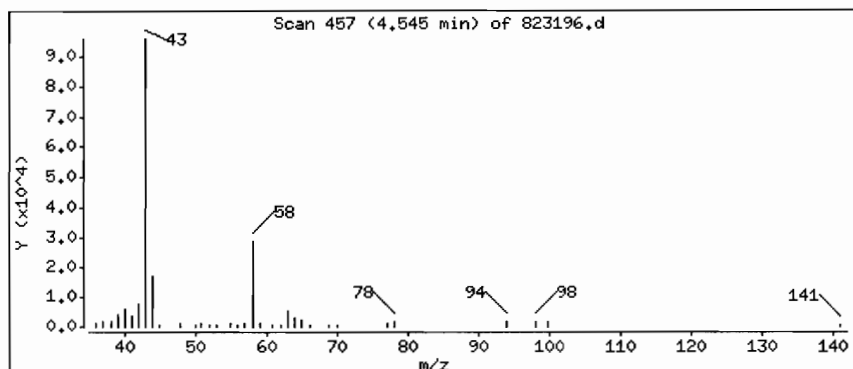
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 57 ug/L



Data File: /chem/H,i/Hsvr.p/mbeesmr.b/823196.d

Page 7

Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

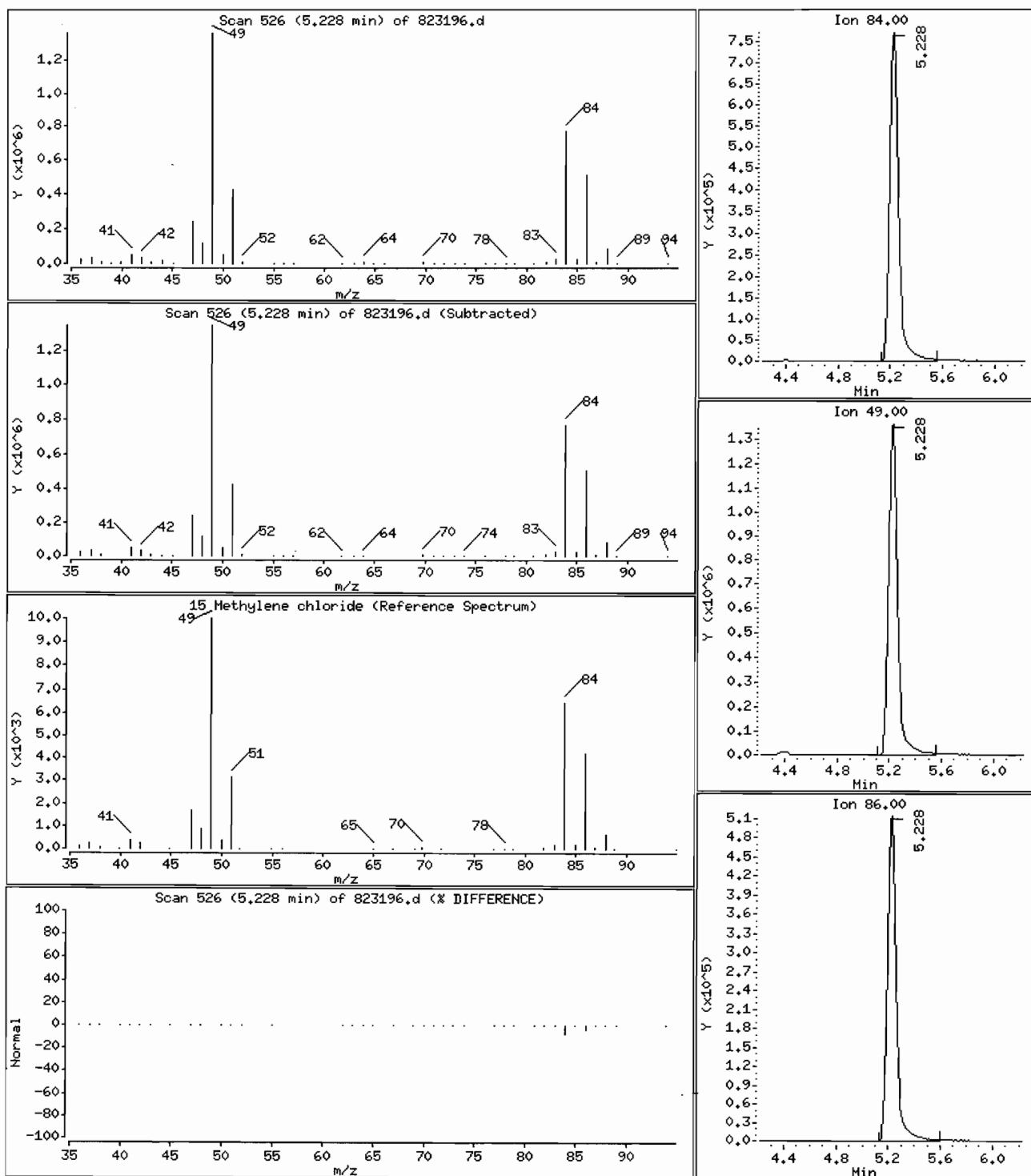
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 23 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmr.b/823196.d

Page 8

Date : 21-MAR-2010 19:17

Client ID: D31,5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM ;I 103/17/10 @1510(WATER)

Purge Volume: 25.0

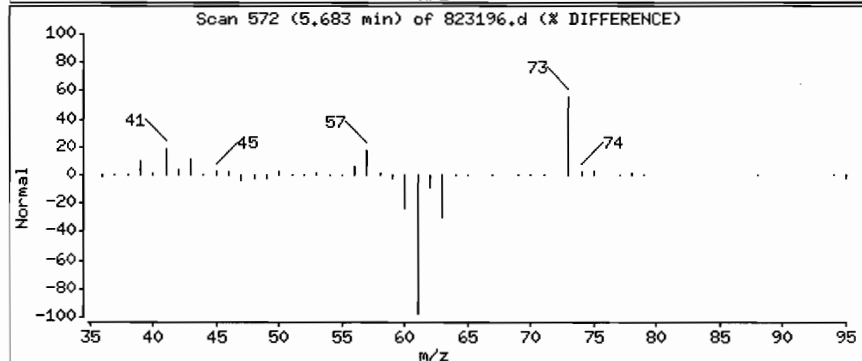
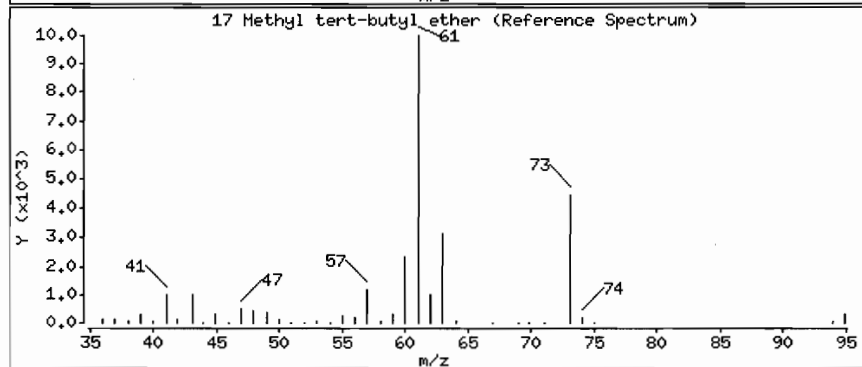
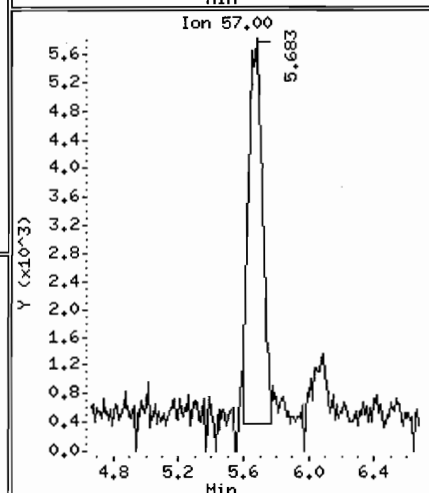
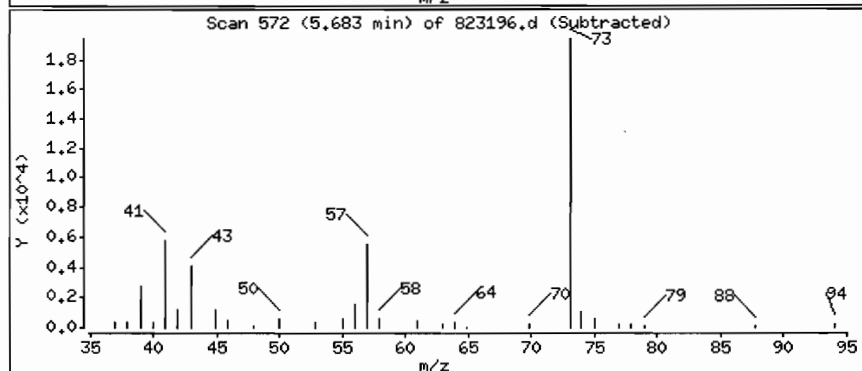
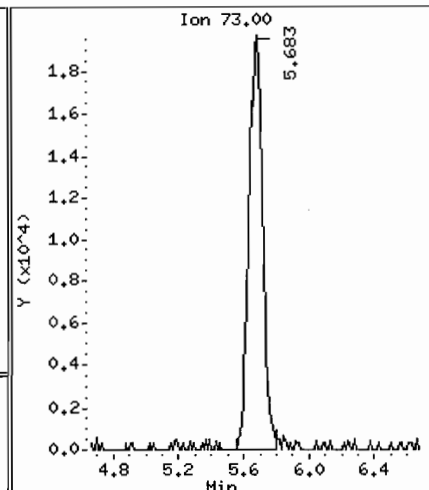
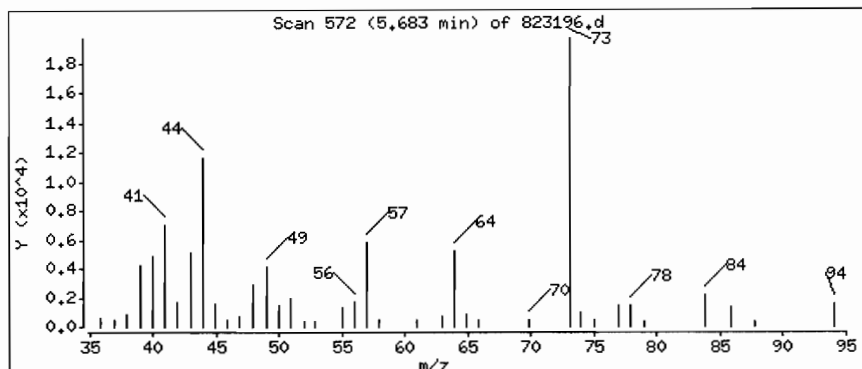
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.63 ug/L



Data File: /chem/M.i/Hsvr.p/mbeesmr.b/823196.d

Page 9

Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM ;I 103/17/10 @1510(WATER)

Purge Volume: 25.0

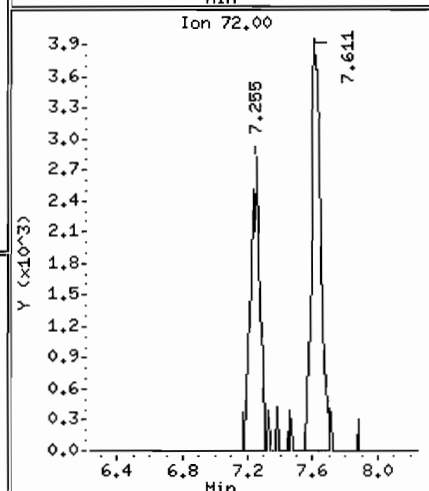
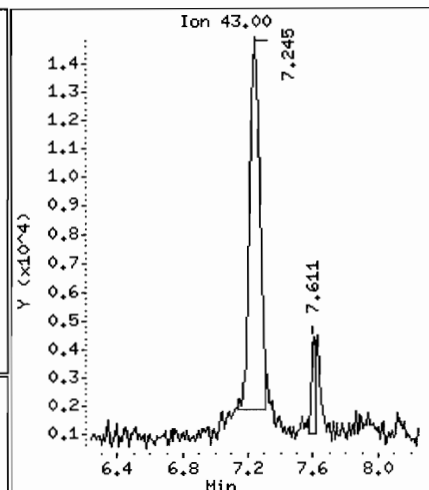
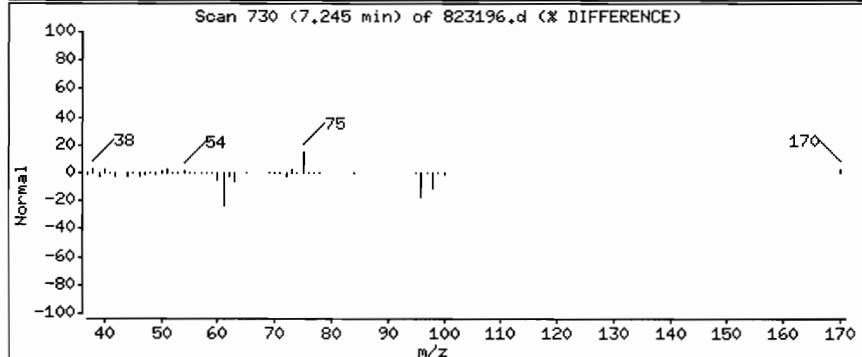
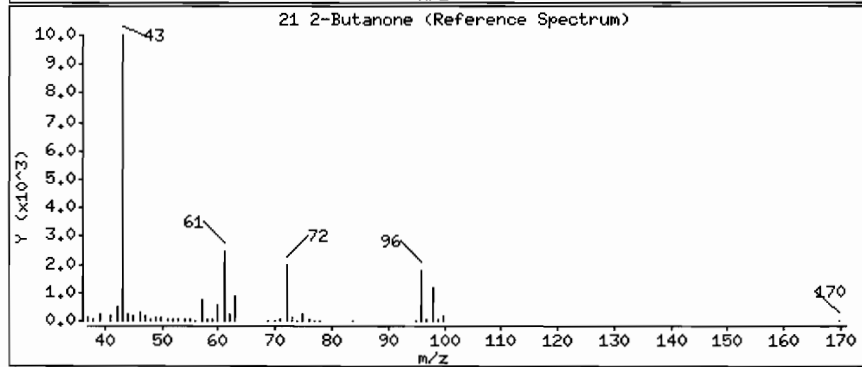
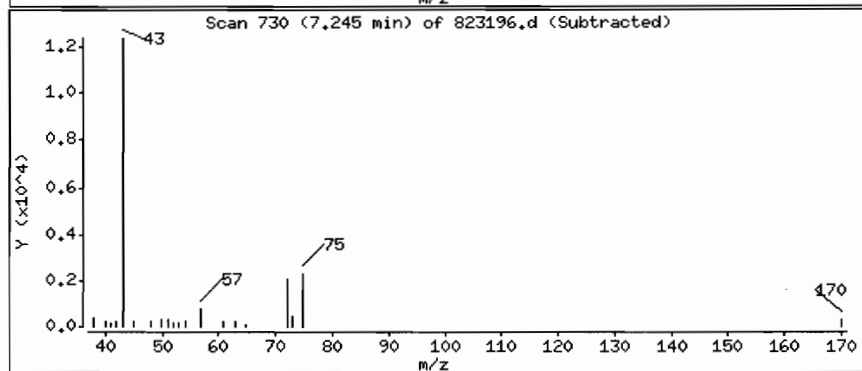
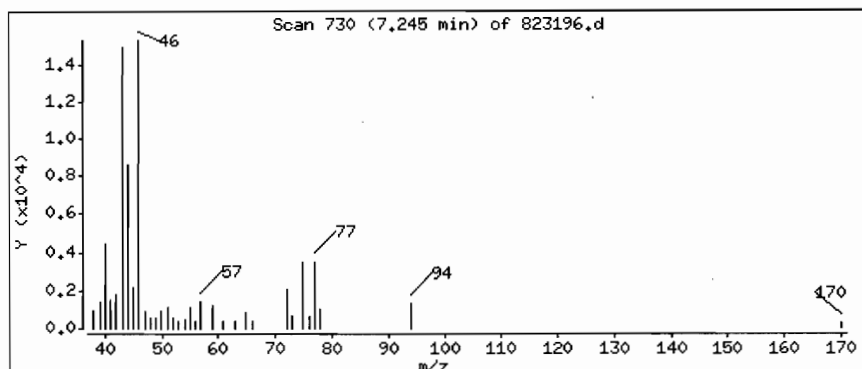
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.6 ug/L



Data File: /chem/H.i/Msvr.p/mbeesmr.b/823196.d

Page 10

Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM ;[103/17/10 @1510(WATER)

Purge Volume: 25.0

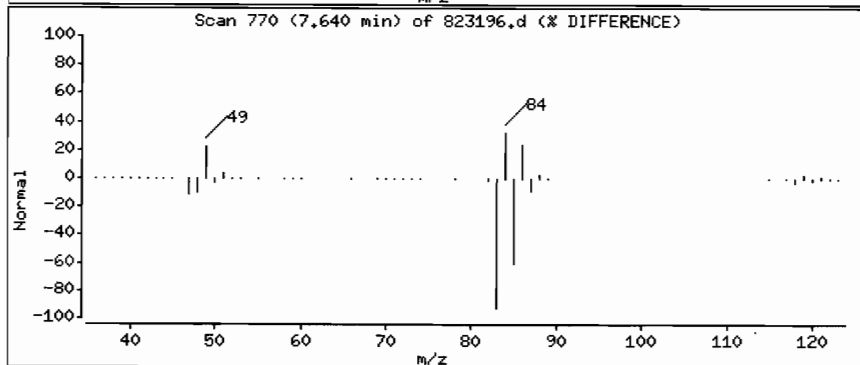
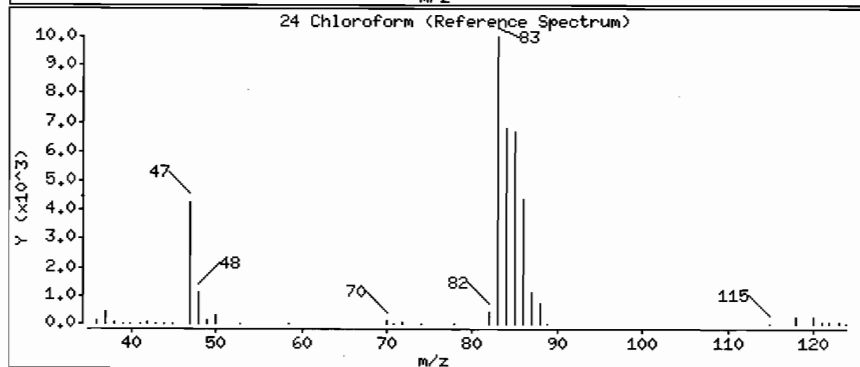
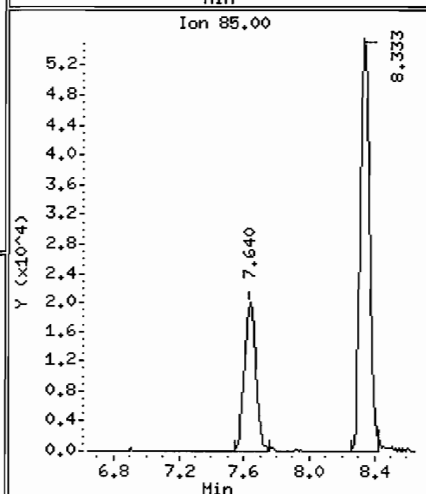
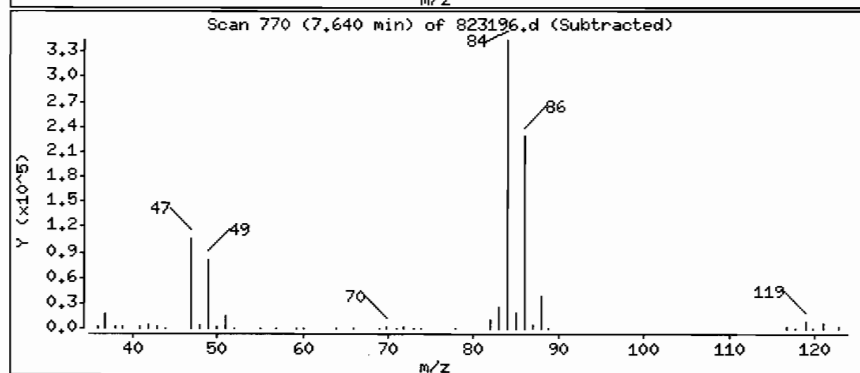
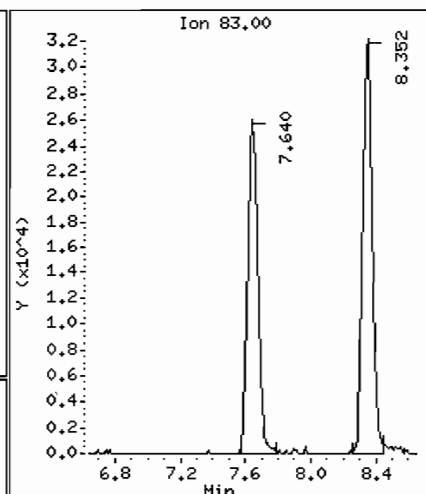
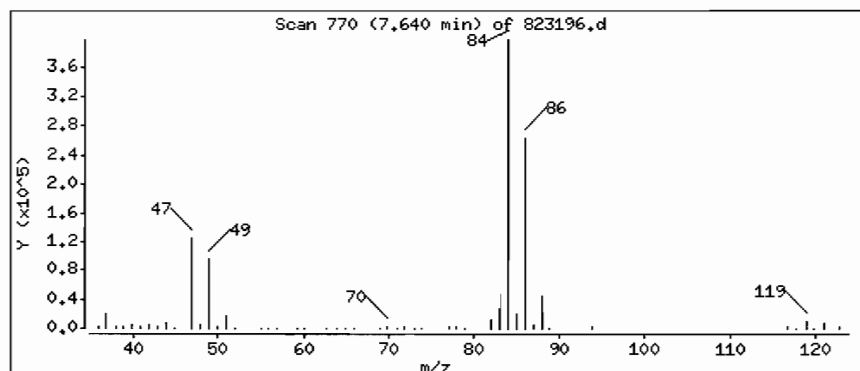
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.26 ug/L



Data File: /chem/H.i/Msvr.p/mbeesmr.b/823196.d

Page 11

Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

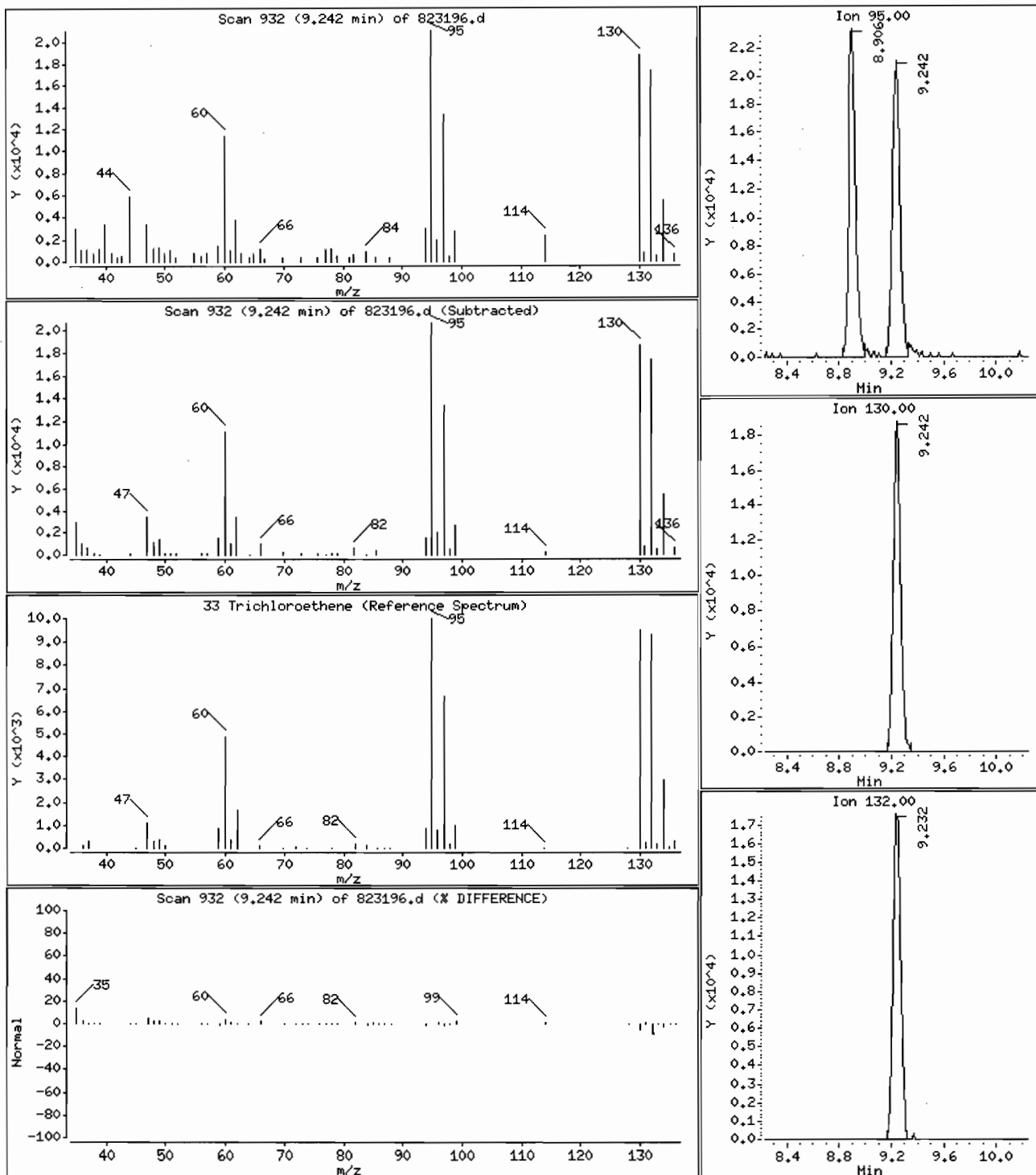
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.25 ug/L



Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

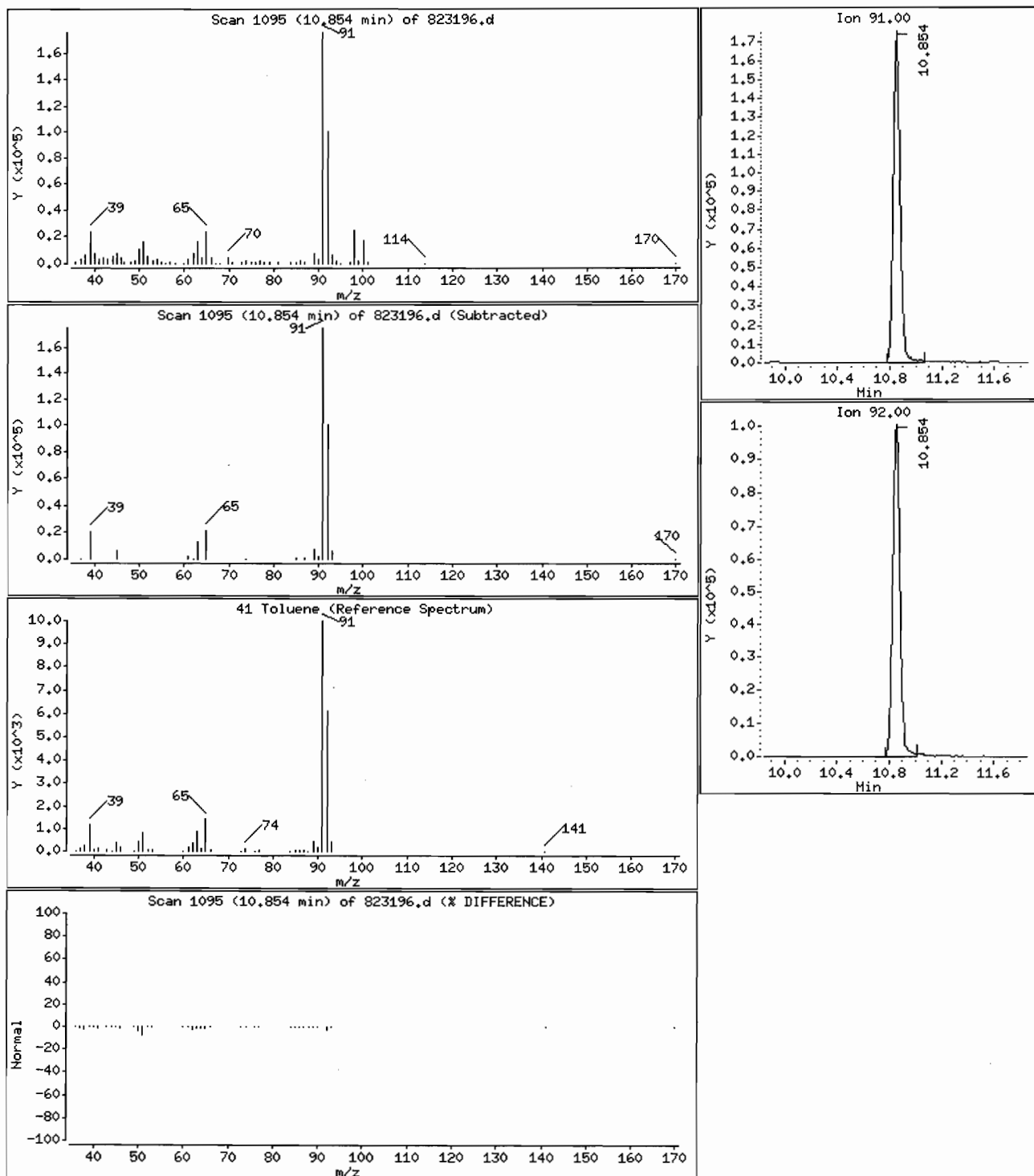
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.82 ug/L



Data File: /chem/H.i/Msvr.p/mbeesmr.b/823196.d

Page 13

Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

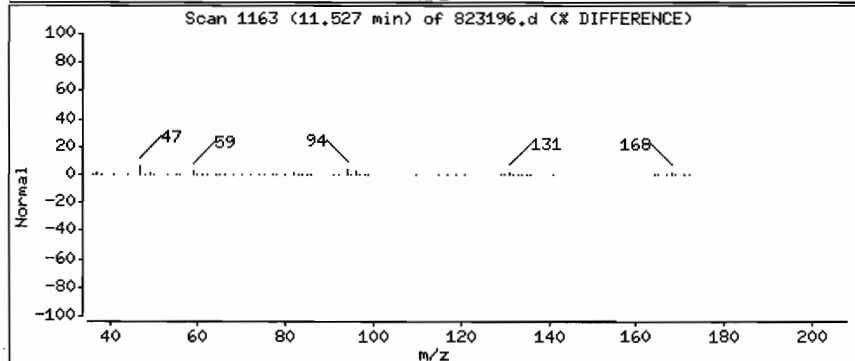
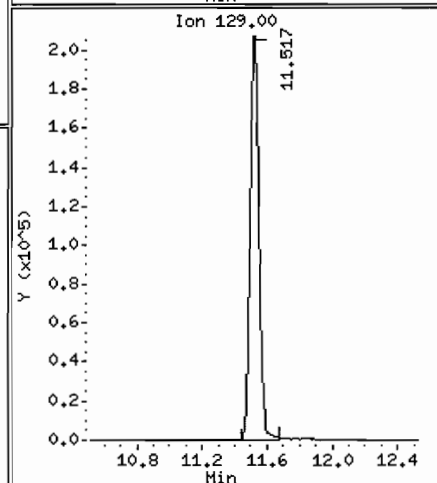
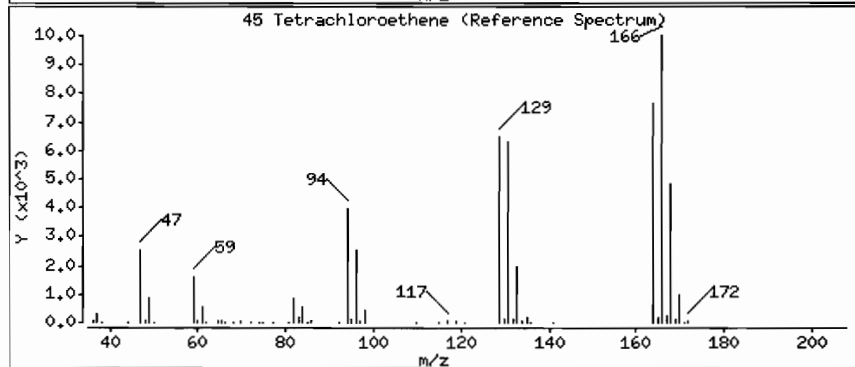
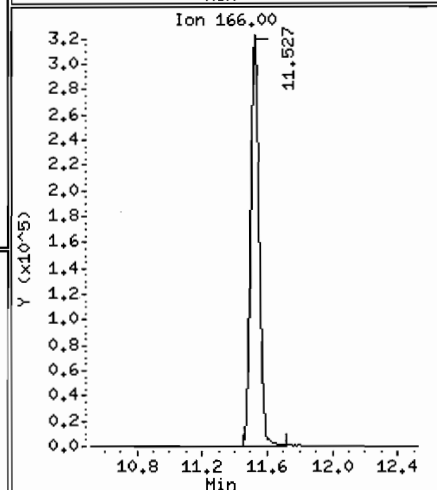
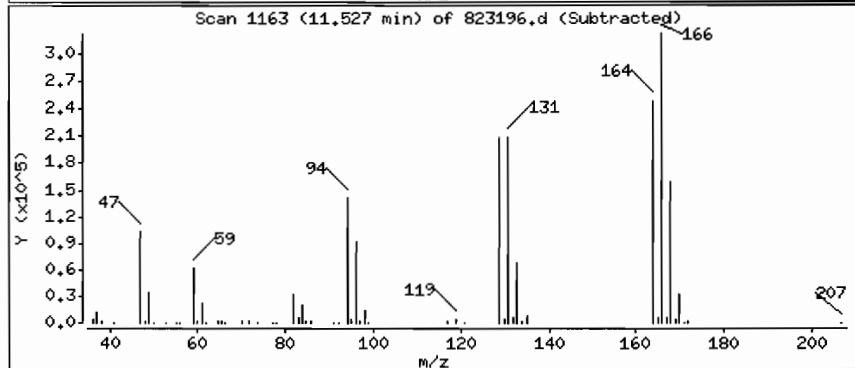
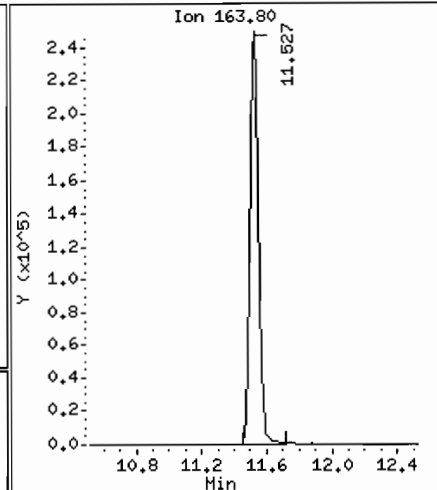
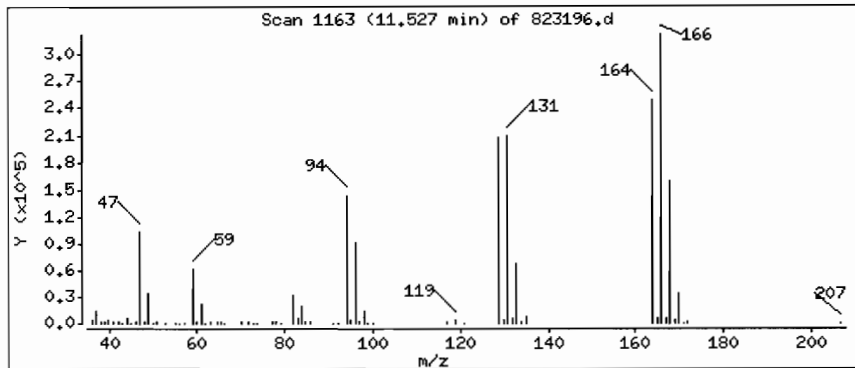
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 2.7 ug/L



Date : 21-MAR-2010 19:17

Client ID: D31.5MED

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

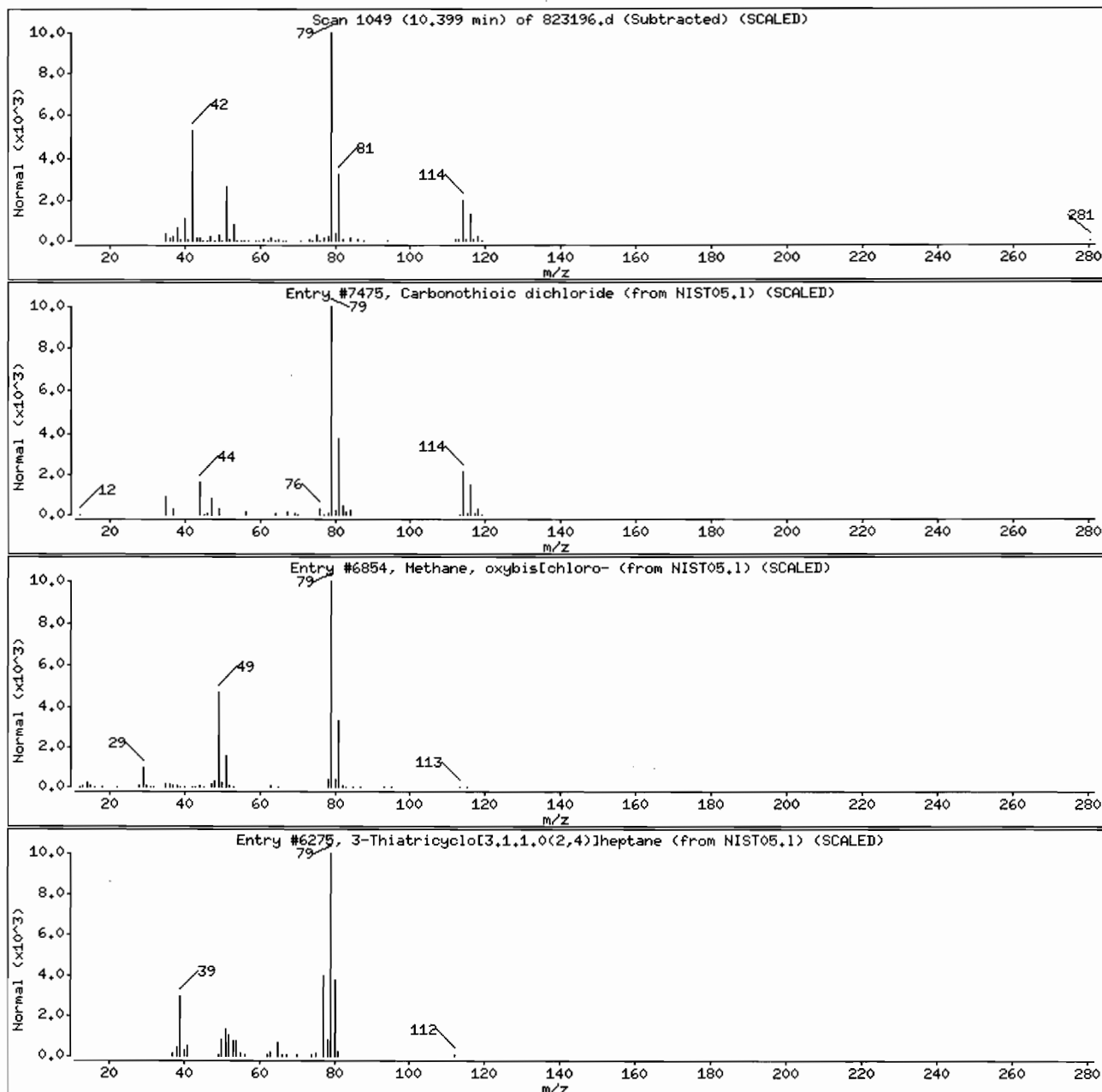
Purge Volume: 25.0

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	CCl ₂ S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	37	C ₂ H ₄ Cl ₂ O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112



MANUAL INTEGRATION REPORT

Data File Name: 823196.d

Inj. Date and Time: 21-MAR-2010 19:17

Target Version: Target 3.50

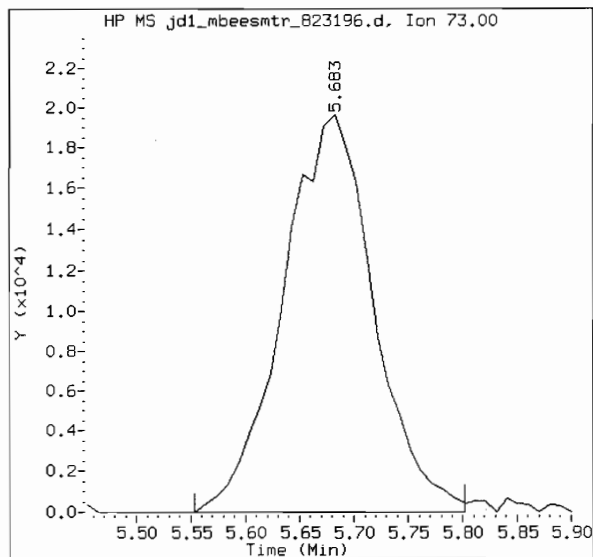
Client Sample ID: D31.5MED

Instrument ID: M.i

Report Version: 1.1

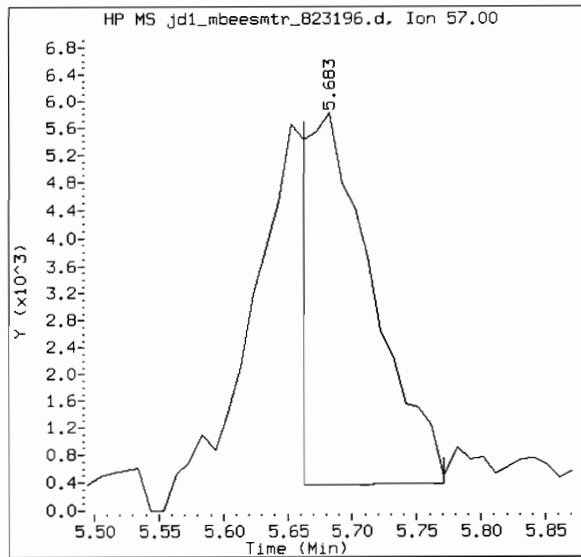
Compound Name: Methyl tert-butyl ether CAS #: 1634-04-4

Report Date: 03/25/2010 10:23

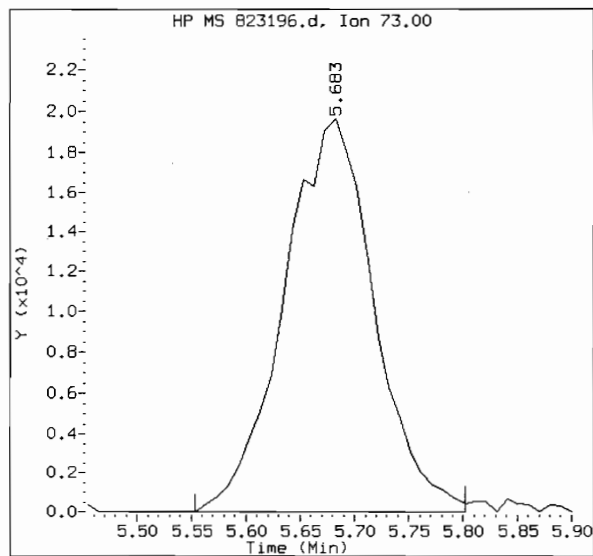


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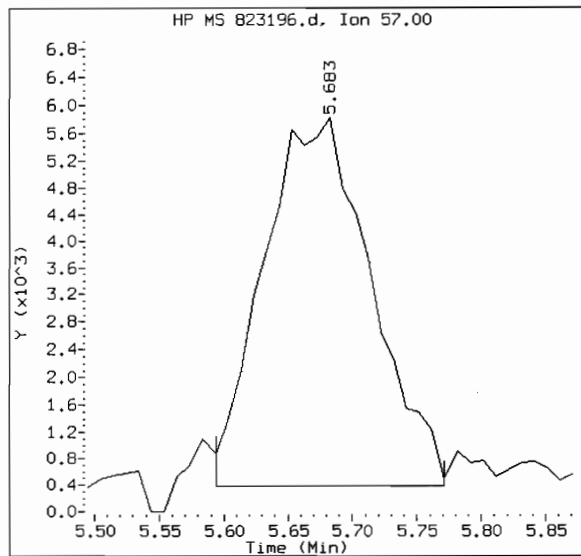


Area = 20734



Final Integrations:

Area = 113829



Area = 31863

Manual Integration Reason: M11 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 1.9

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	0.95	U
74-87-3	Chloromethane	0.95	U
75-01-4	Vinyl chloride	0.95	U
74-83-9	Bromomethane	0.95	U
75-00-3	Chloroethane	0.95	U
75-69-4	Trichlorofluoromethane	0.95	U
75-35-4	1,1-Dichloroethene	0.95	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.95	U
67-64-1	Acetone	63	D
75-15-0	Carbon disulfide	0.95	U
79-20-9	Methyl acetate	0.95	U
75-09-2	Methylene chloride	22	D
156-60-5	trans-1,2-Dichloroethene	0.95	U
1634-04-4	Methyl tert-butyl ether	0.61	DJ
75-34-3	1,1-Dichloroethane	0.95	U
156-59-2	cis-1,2-Dichloroethene	0.95	U
78-93-3	2-Butanone	5.1	DJ
74-97-5	Bromochloromethane	0.95	U
67-66-3	Chloroform	0.95	U
71-55-6	1,1,1-Trichloroethane	0.95	U
110-82-7	Cyclohexane	0.95	U
56-23-5	Carbon tetrachloride	0.95	U
71-43-2	Benzene	0.95	U
107-06-2	1,2-Dichloroethane	0.95	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.

D31.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 1.9

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	0.95	U
108-87-2	Methylcyclohexane	0.95	U
78-87-5	1,2-Dichloropropane	0.95	U
75-27-4	Bromodichloromethane	0.95	U
10061-01-5	cis-1,3-Dichloropropene	0.95	U
108-10-1	4-Methyl-2-pentanone	9.5	U
108-88-3	Toluene	0.79	DJ
10061-02-6	trans-1,3-Dichloropropene	0.95	U
79-00-5	1,1,2-Trichloroethane	0.95	U
127-18-4	Tetrachloroethene	2.5	D
591-78-6	2-Hexanone	9.5	U
124-48-1	Dibromochloromethane	0.95	U
106-93-4	1,2-Dibromoethane	0.95	U
108-90-7	Chlorobenzene	0.95	U
100-41-4	Ethylbenzene	0.95	U
95-47-6	o-Xylene	0.95	U
179601-23-1	m,p-Xylene	0.95	U
100-42-5	Styrene	0.95	U
75-25-2	Bromoform	0.95	U
98-82-8	Isopropylbenzene	0.95	U
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U
541-73-1	1,3-Dichlorobenzene	0.95	U
106-46-7	1,4-Dichlorobenzene	0.95	U
95-50-1	1,2-Dichlorobenzene	0.95	U
96-12-8	1,2-Dibromo-3-chloropropane	0.95	U
120-82-1	1,2,4-Trichlorobenzene	0.95	U
87-61-6	1,2,3-Trichlorobenzene	0.95	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D31.5MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823196D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823196D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 1.9

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

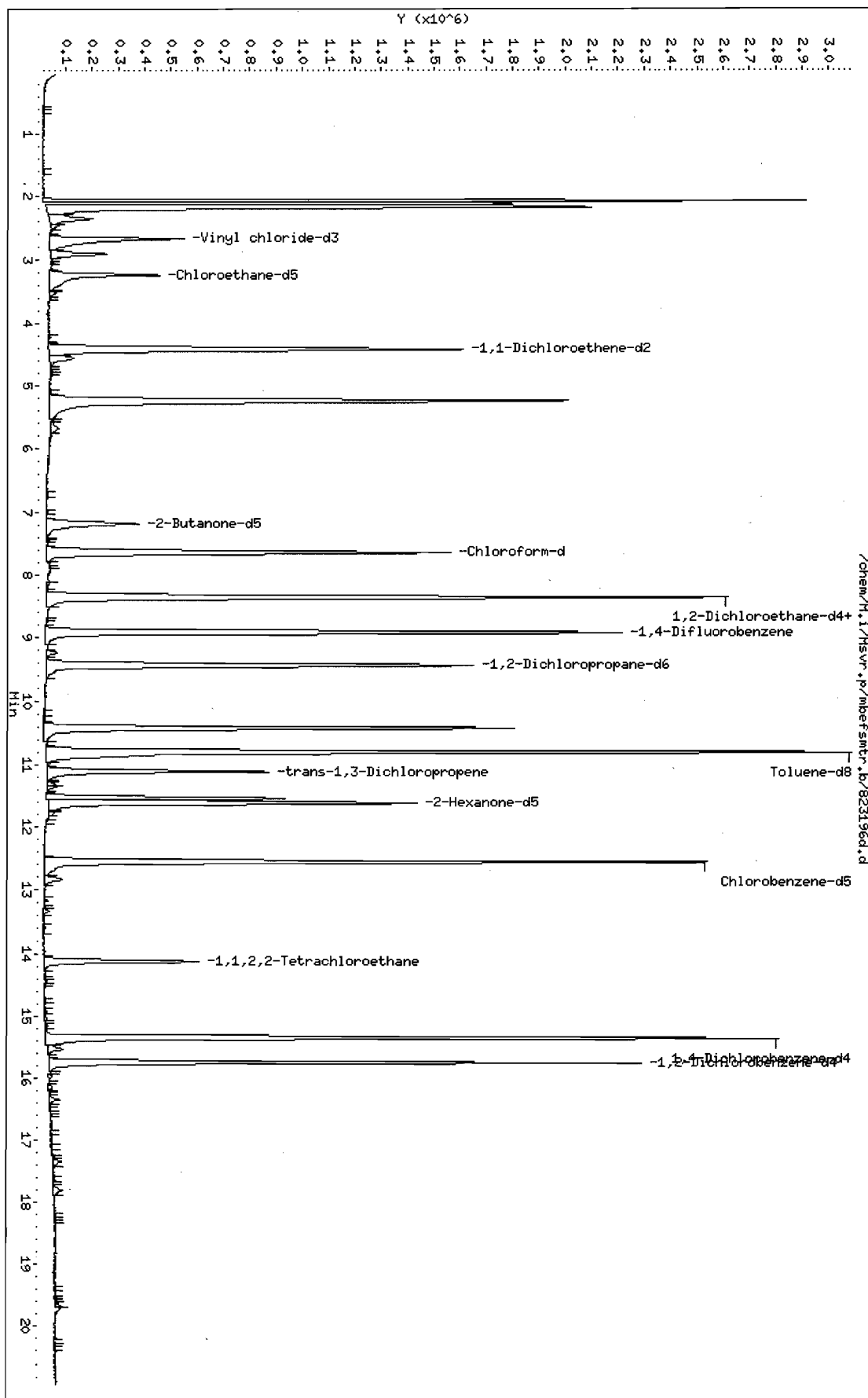
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	7.3	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbe/smr.b/823196d.d
 Date: 22-MAR-2010 12:34
 Client ID: D31.SMEDDL
 Sample Info: D=3 1.5% MEDIUM : [103/17/10 04510(WATER)]
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: M.i
 Operator: MKV
 Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823196d.d
Lab Smp Id: 823196D1 Client Smp ID: D31.5MEDDL
Inj Date : 22-MAR-2010 12:34
Operator : MRV Inst ID: M.i
Smp Info : D=3 1.5% MEDIUM :[]03/17/10 @1510(WATER)
Misc Info : 823196,032210MP,1.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 10
Dil Factor: 1.90000
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	1.90000	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						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		2.664	2.665	(0.299)	1329478	5.23757	5.2
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		3.228	3.219	(0.362)	1111447	5.23115	5.2
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		4.394	4.396	(0.493)	2693421	4.43075	4.4
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		4.543	4.544	(0.510)	284454	33.2080	63
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.225	5.226	(0.586)	1801216	11.6140	22
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	5.690	5.681	(0.638)	58990	0.31896	0.61 (a)
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	7.163	7.164	(0.804)	1050911	64.1789	64
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	7.242	7.243	(0.812)	40985	2.66572	5.1 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	7.618	7.619	(0.855)	2445488	5.59723	5.6 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.330	8.331	(0.935)	701945	6.11169	6.1 (Q)
\$ 29 Benzene-d6	84	8.340	8.341	(0.664)	3448132	5.09653	5.1
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.913	8.905	(1.000)	3239886	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	9.427	9.419	(0.751)	1571683	4.78229	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	10.772	10.774	(0.858)	3733908	5.06742	5.1
41 Toluene	91	10.861	10.853	(0.865)	314584	0.41613	0.79 (a)
\$ 42 trans-1,3-Dichloropropene-d4	79	11.099	11.090	(0.884)	884968	5.13654	5.1
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	11.534	11.525	(0.919)	418045	1.29105	2.5
\$ 46 2-Hexanone-d5	63	11.603	11.594	(0.924)	1130058	55.6017	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	12.552	12.553	(1.000)	2640588	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.105	14.116	(1.124)	629744	5.05064	5.1
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	15.331	15.332	(1.000)	1356780	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.736	15.737	(1.026)	1009810	4.51497	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823196d.d
Report Date: 25-Mar-2010 10:39

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823196d.d
Lab Smp Id: 823196D1 Client Smp ID: D31.5MEDDL
Inj Date : 22-MAR-2010 12:34
Operator : MRV Inst ID: M.i
Smp Info : D=3 1.5% MEDIUM : [] 03/17/10 @1510(WATER)
Misc Info : 823196,032210MP,1.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 10
Dil Factor: 1.90000
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	1.90000	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	8.913	8280163	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
10.396	6357724	3.83913001	7.3	0		0	32

Data File: /chem/M.i/Hsvr,p/mbefsmtr,b/823196d.d

Page 6

Date : 22-MAR-2010 12:34

Client ID: D31.5HEDDL

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM ;[103/17/10 @1510(WATER)

Purge Volume: 25.0

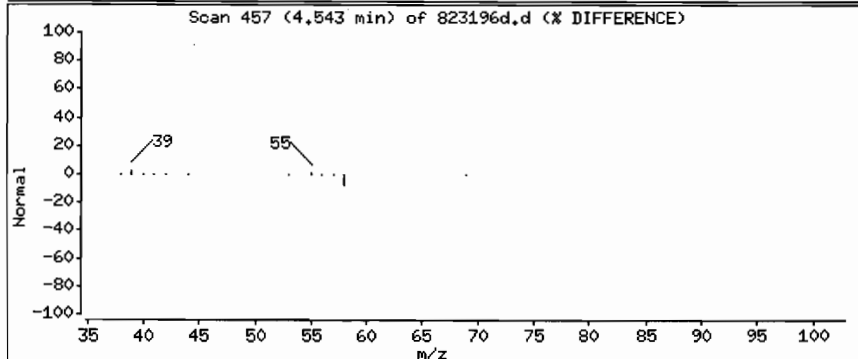
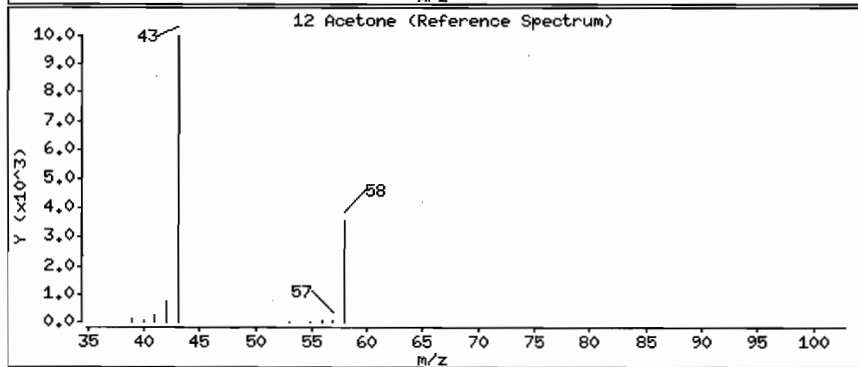
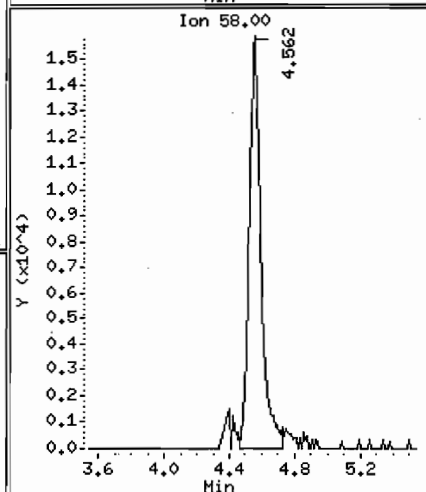
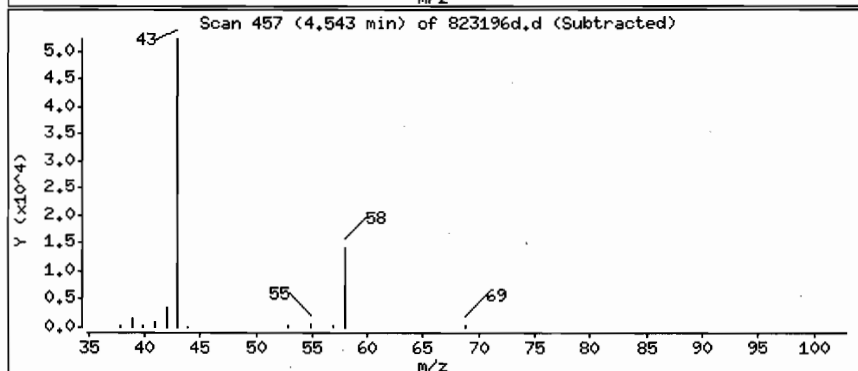
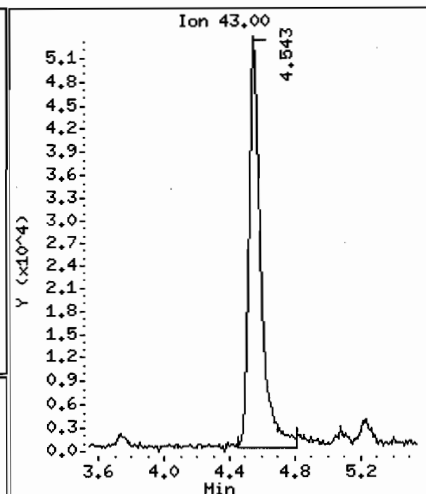
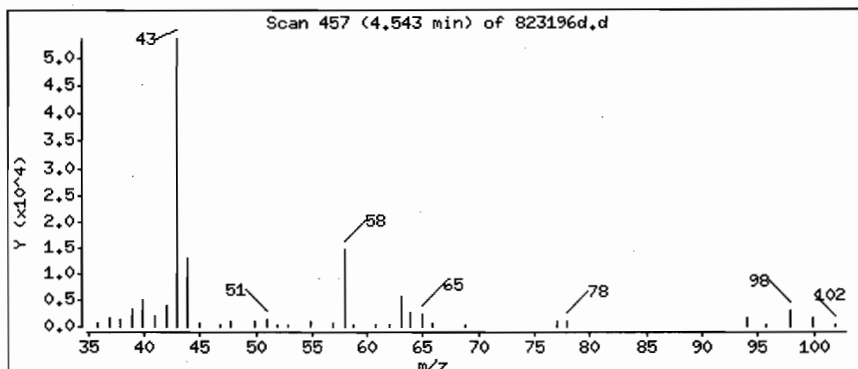
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 63 ug/L



Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/823196d.d

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Date : 22-MAR-2010 12:34

Client ID: D31.5MEDDL

Instrument: H.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 01510(WATER)

Purge Volume: 25.0

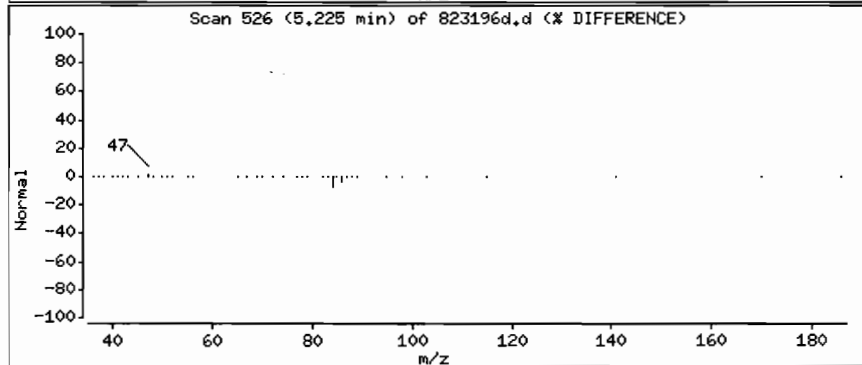
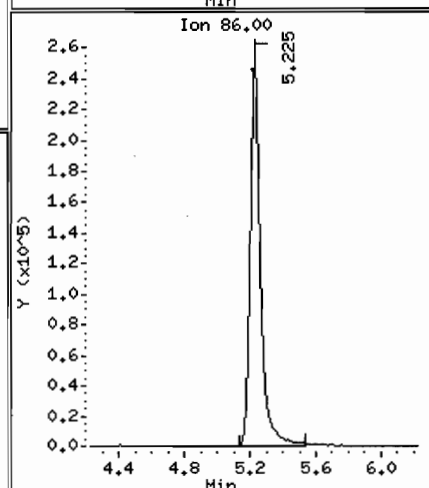
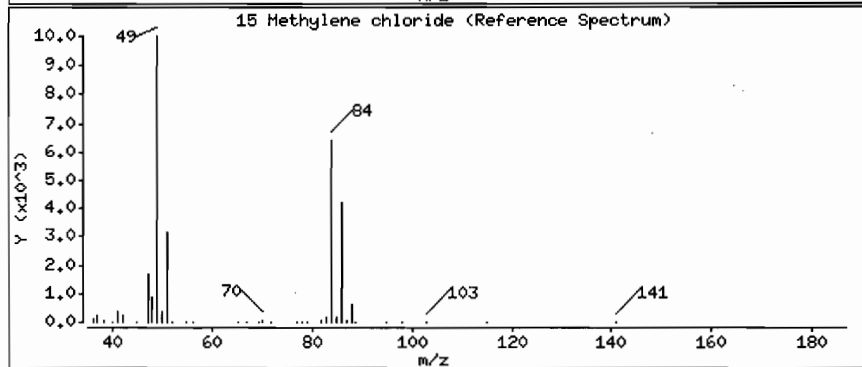
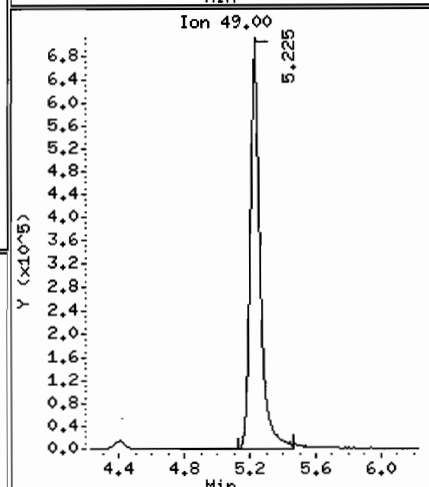
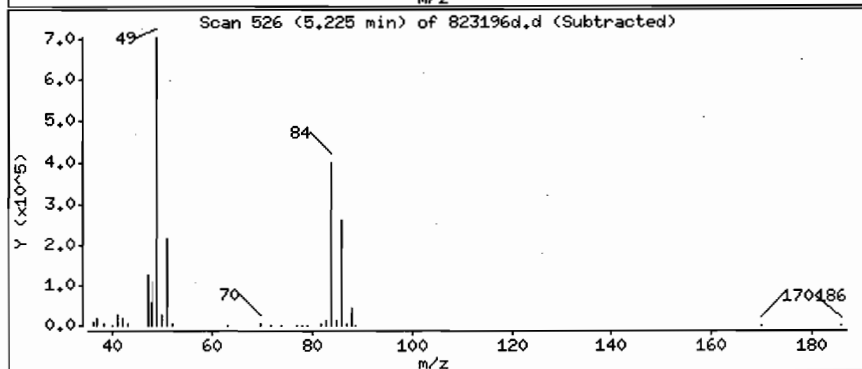
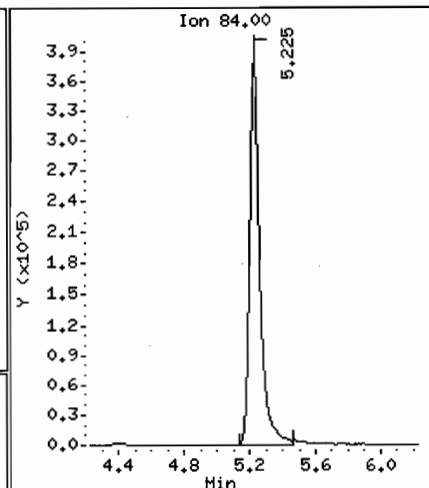
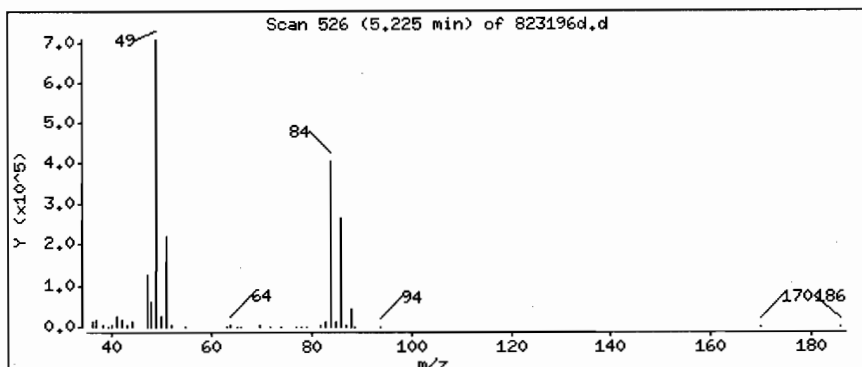
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 22 ug/L



Data File: /chem/H.i/Msvr.p/mbefsmtr.b/823196d.d

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Date : 22-MAR-2010 12:34

Client ID: D31.5MEDDL

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

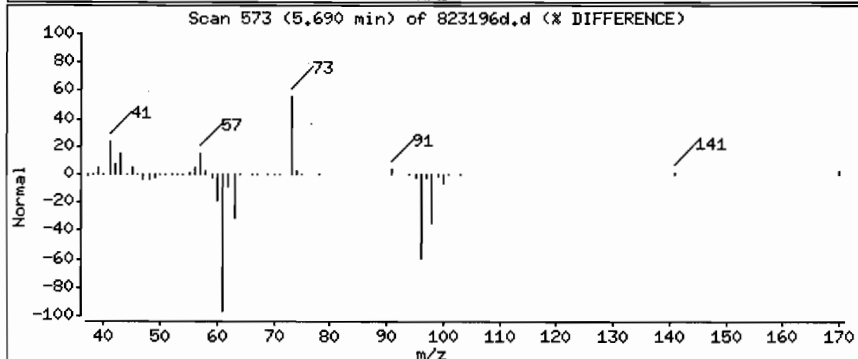
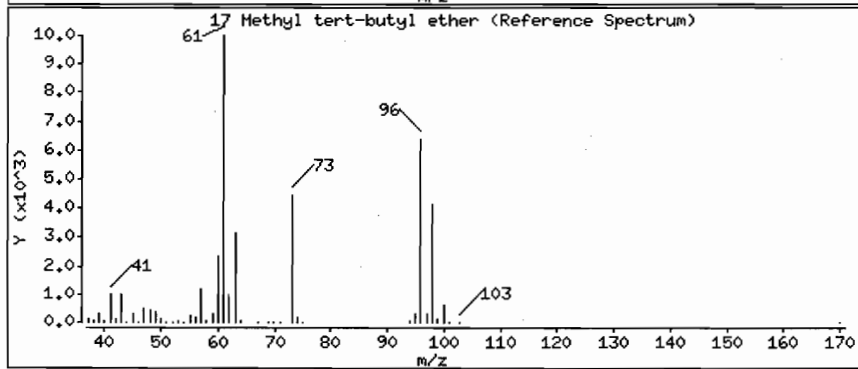
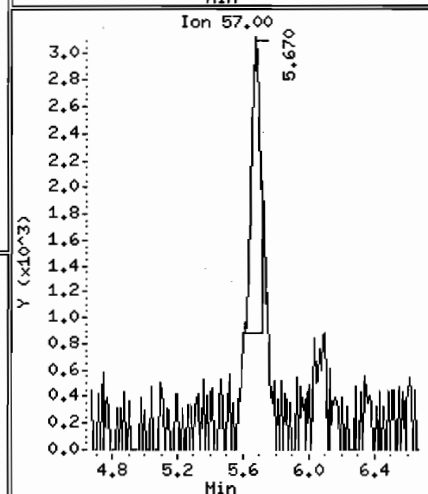
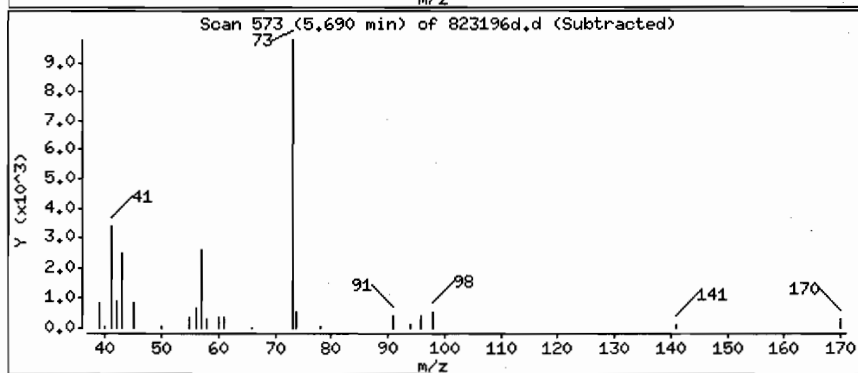
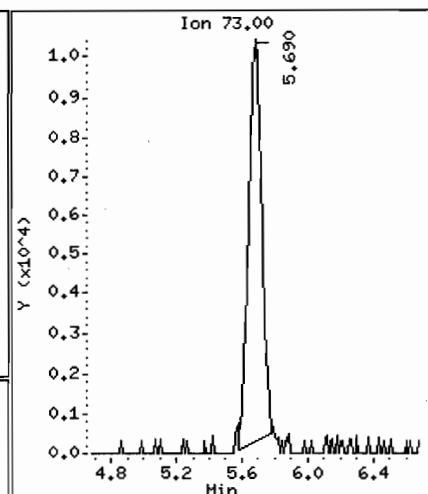
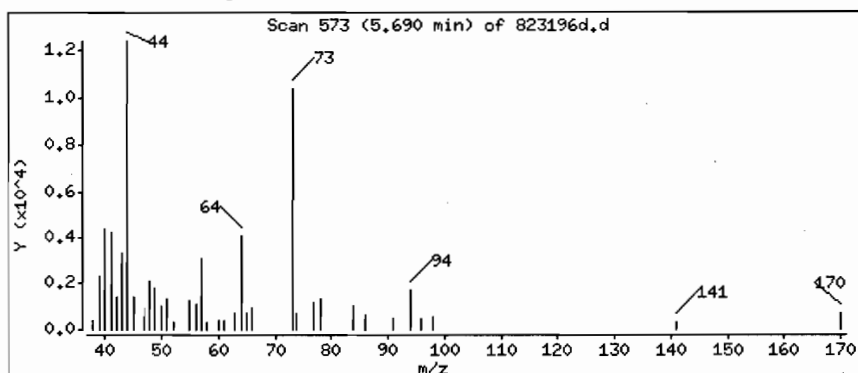
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.61 ug/L



Data File: /chem/M.i/Msvr.p/mbebsmtr,b/823196d.d

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Date : 22-MAR-2010 12:34

Client ID: D31.5MEDDL

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

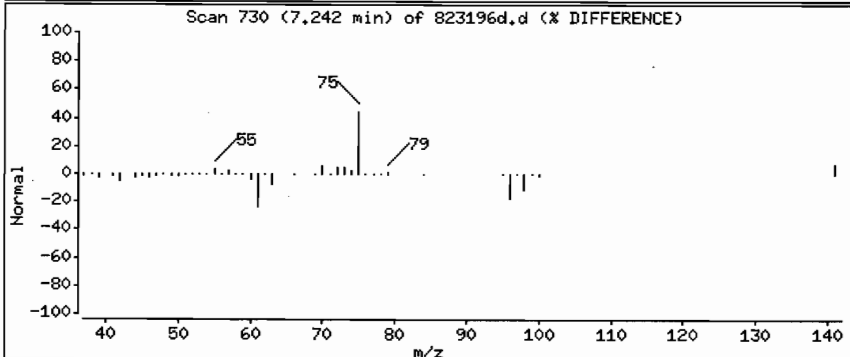
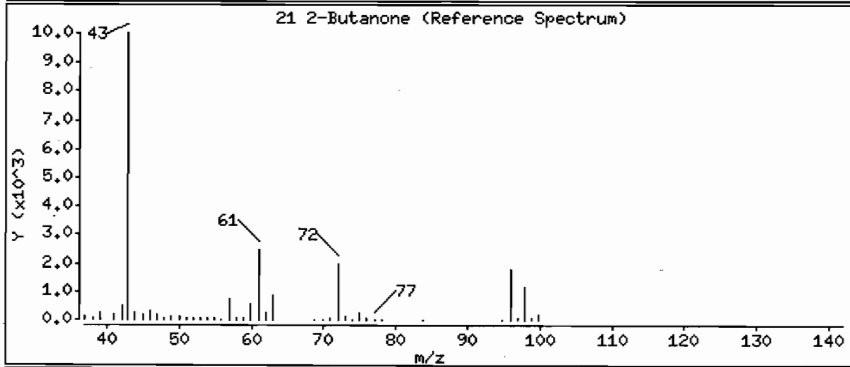
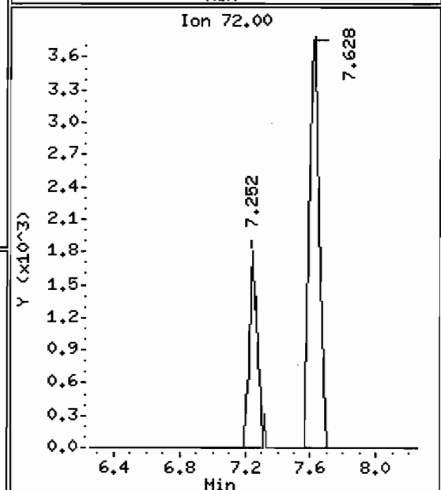
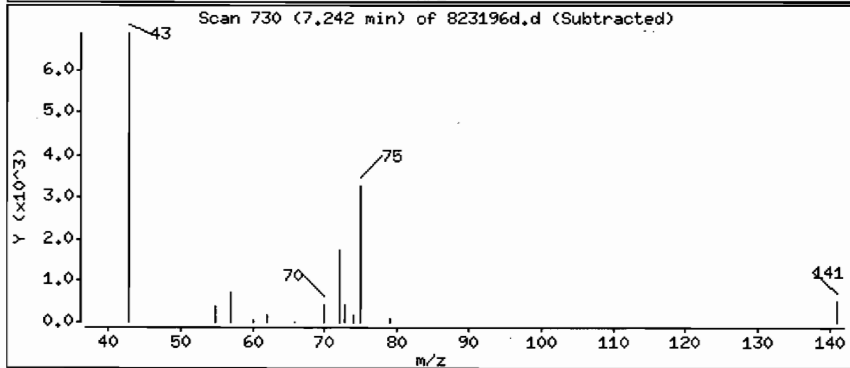
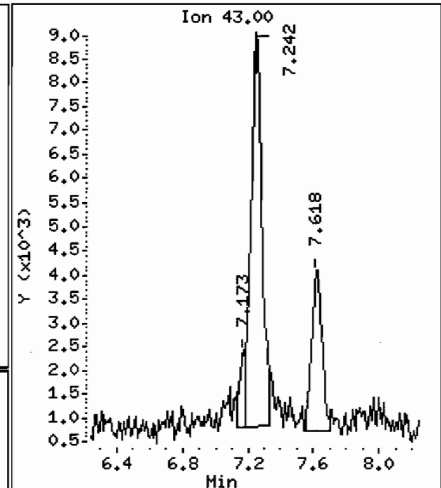
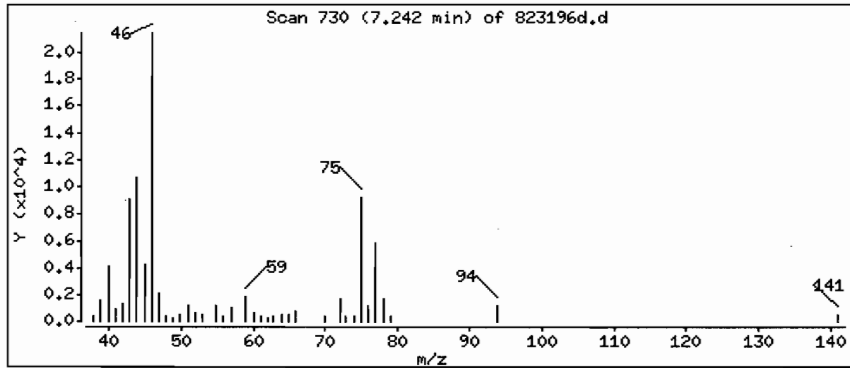
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 5.1 ug/L



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823196d.d

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Date : 22-MAR-2010 12:34

Client ID: D31.5MEDDL

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

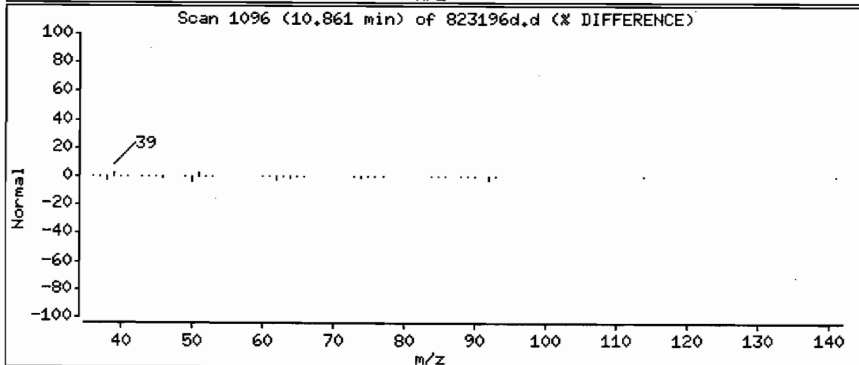
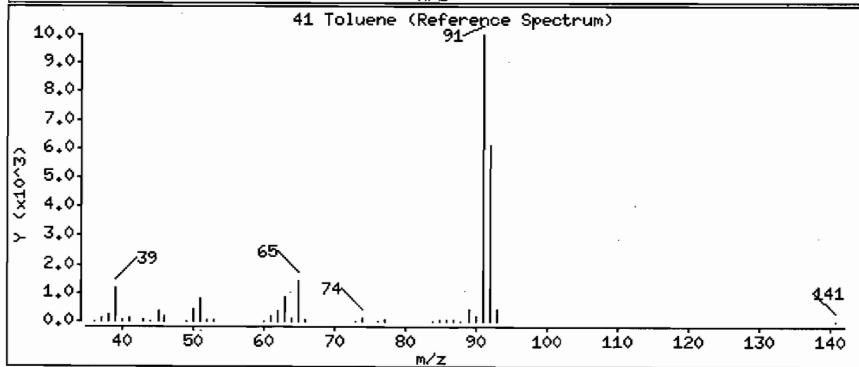
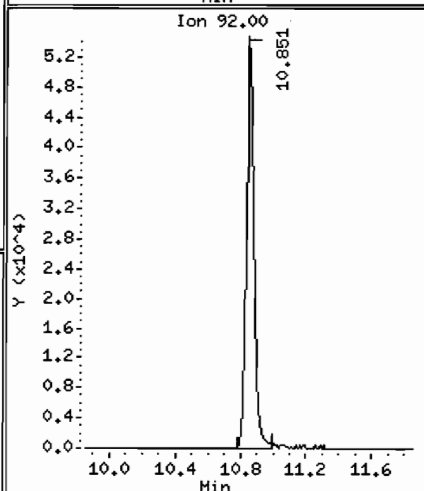
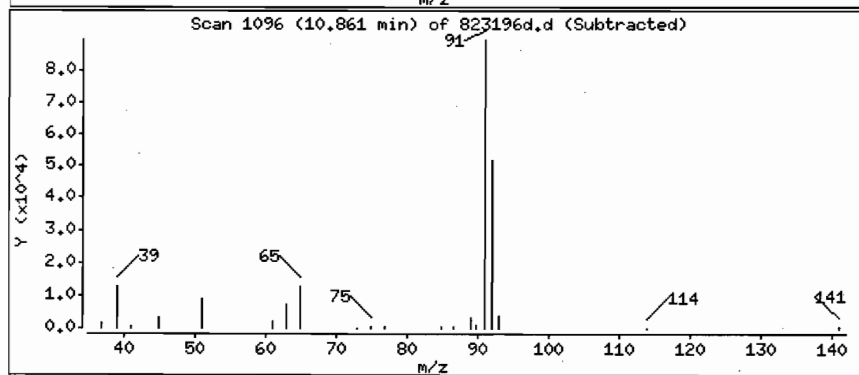
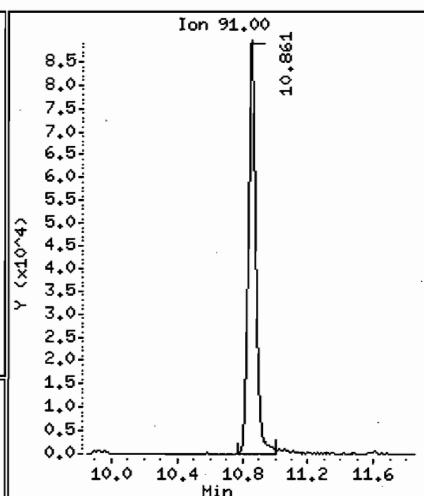
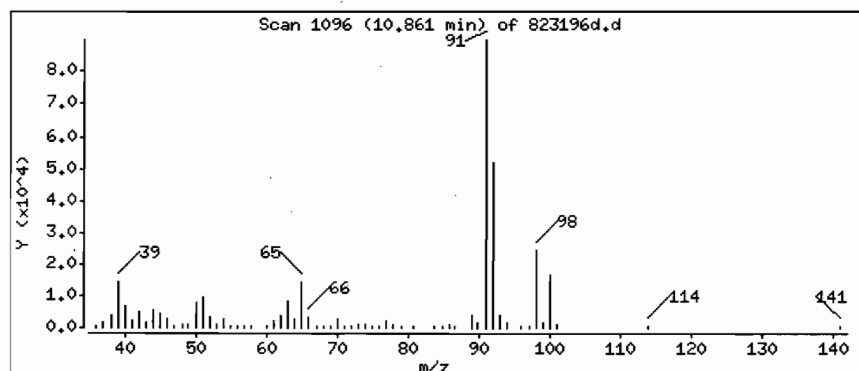
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.79 ug/L



Data File: /chem/M.i/Hsvr.p/mbe/smtr.b/823196d.d

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Date : 22-MAR-2010 12:34

Client ID: D31.5MEDDL

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

Purge Volume: 25.0

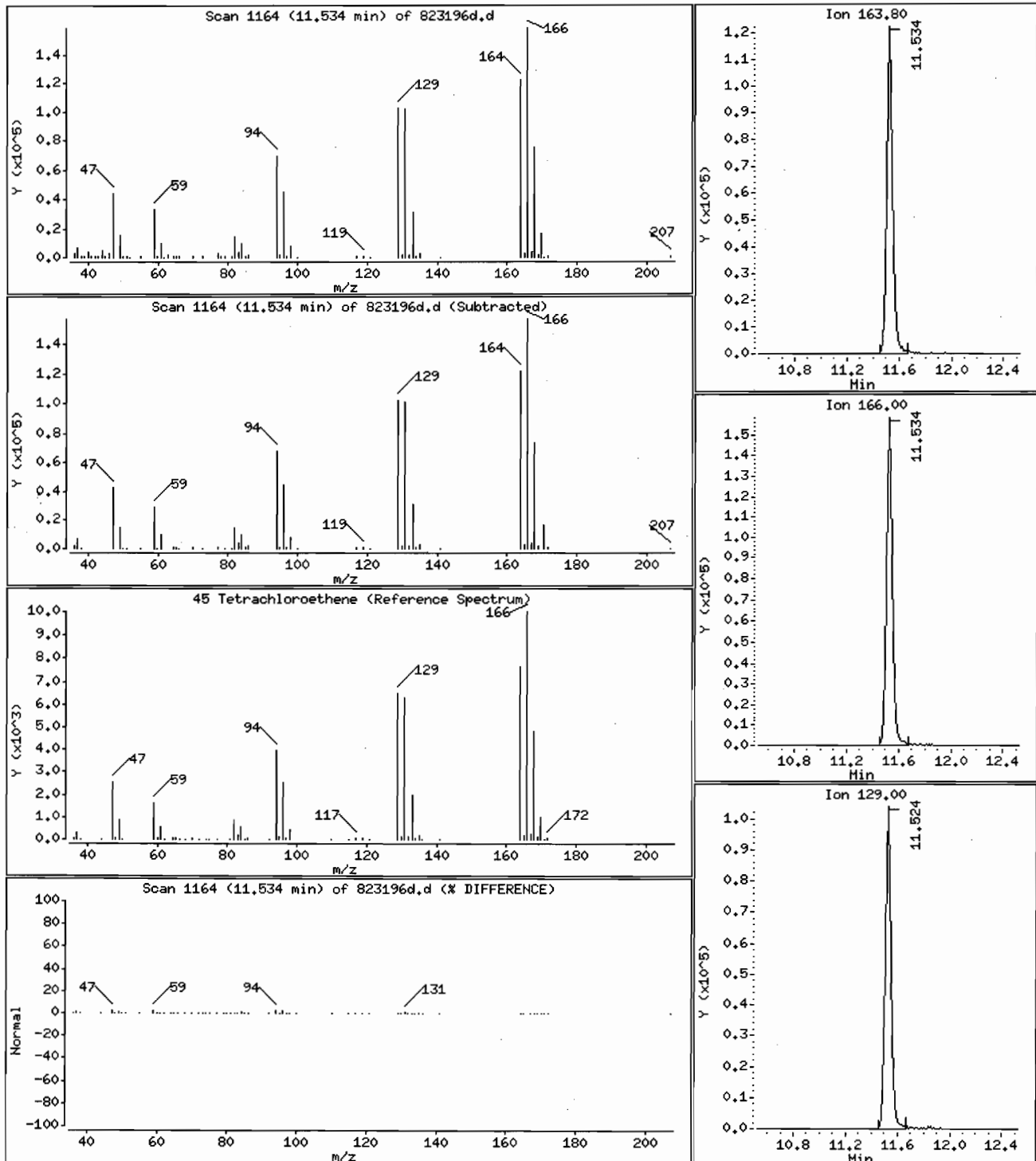
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 2.5 ug/L



Date : 22-MAR-2010 12:34

Client ID: D31,5MEDDL

Instrument: M.i

Sample Info: D=3 1.5% MEDIUM :[103/17/10 @1510(WATER)

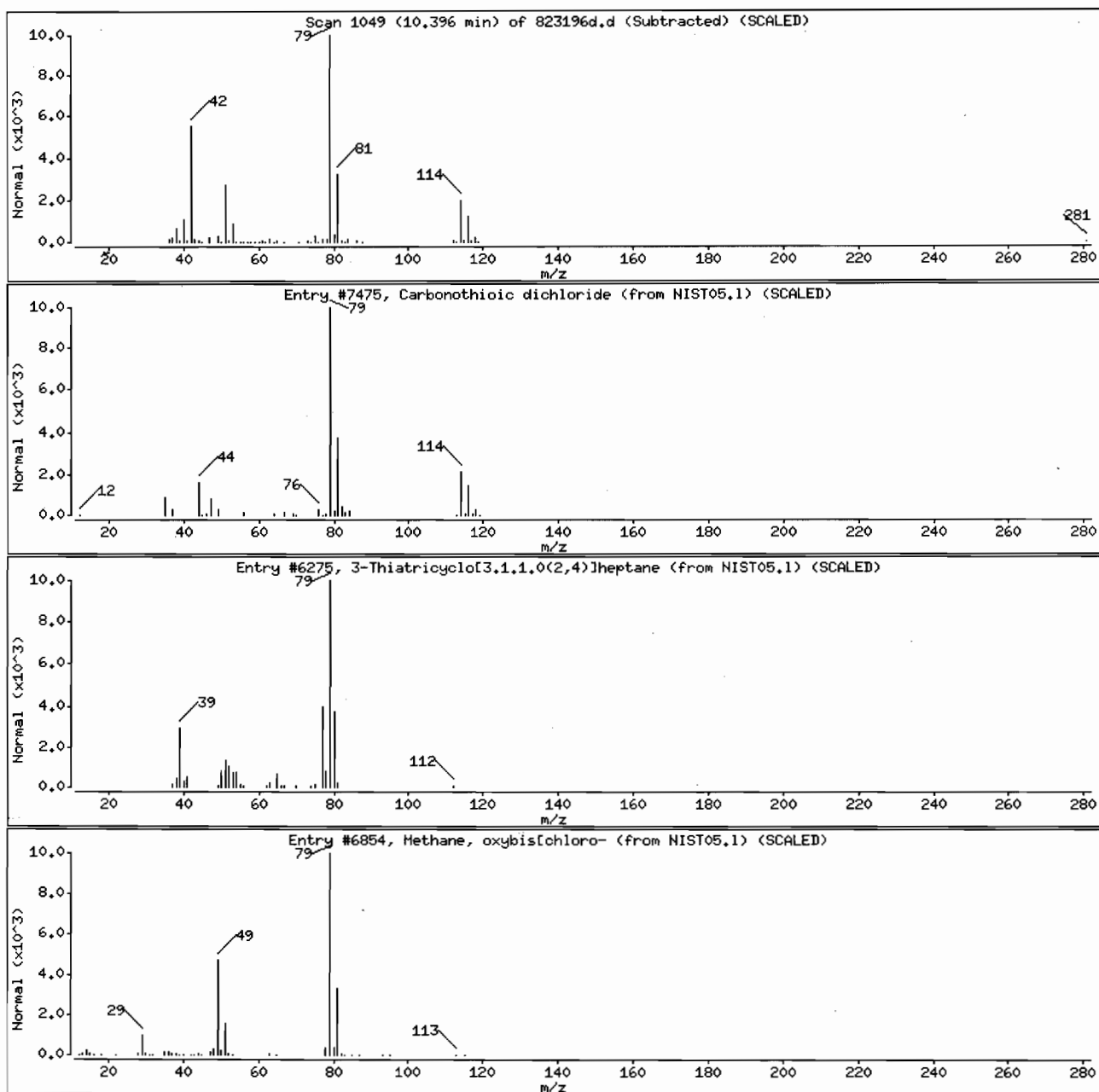
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonylthioic 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.

D31.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823199

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823199

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	56	B
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	19	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.55	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	3.8	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.20	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.

D31.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823199

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823199

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	0.74	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	0.95	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.
D31.75HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823199
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823199
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/24/2010
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)

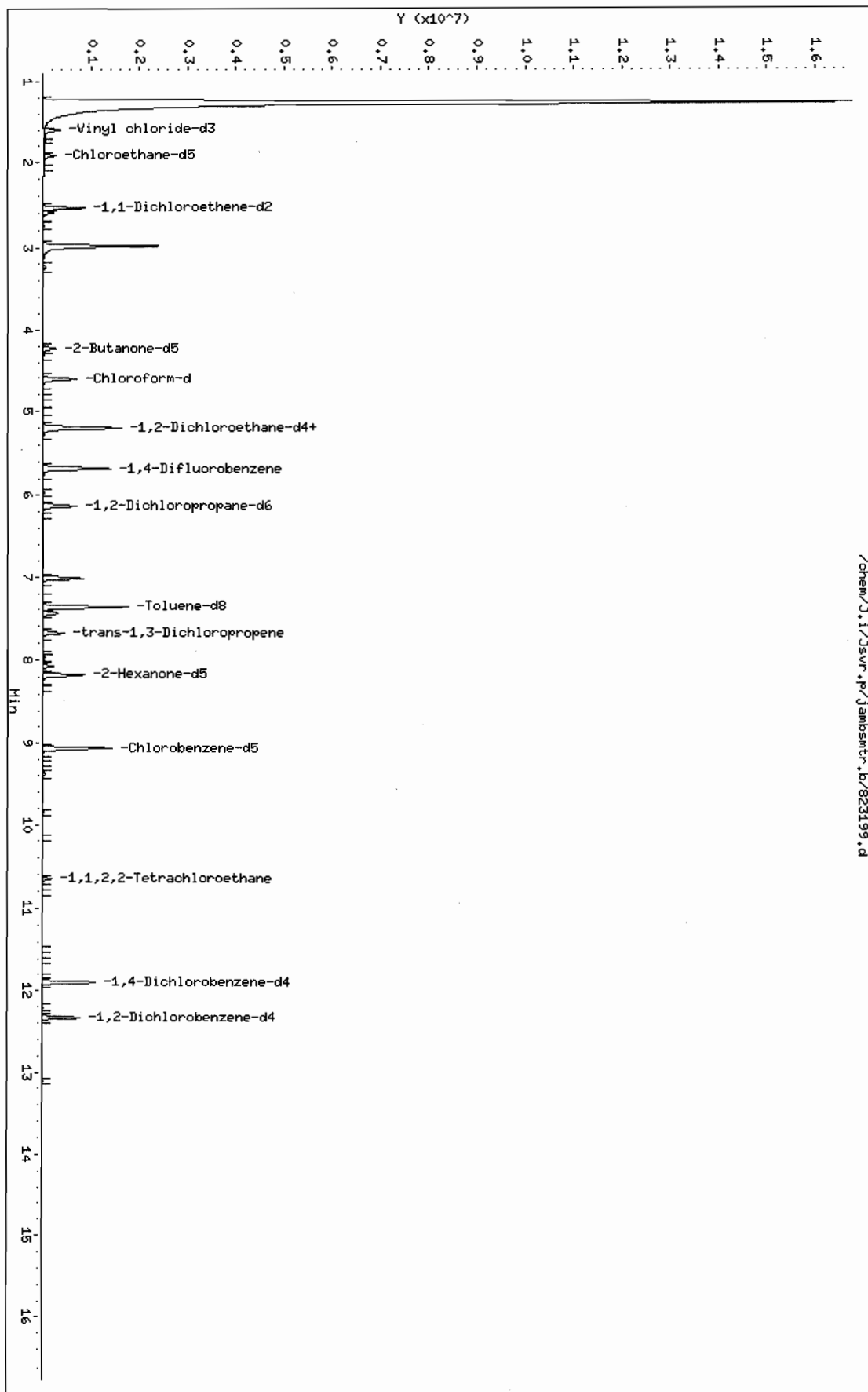
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	2.9	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jamsmr.b/823199.d
Date : 24-MAR-2010 14:16
Client ID: D31.75HIGH
Sample Info: D=3 1.75X HIGH : (103/17/10 @1640(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/jambsmtr.b/823199.d
Lab Smp Id: 823199 Client Smp ID: D31.75HIGH
Inj Date : 24-MAR-2010 14:16
Operator : JH2 Inst ID: J.i
Smp Info : D=3 1.75% HIGH :[]03/17/10 @1540(WATER)
Misc Info : 823199,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 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	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.605	1.599	(0.283)	436529	4.58174	4.6
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.915	1.909	(0.337)	300466	4.68922	4.7
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	696665	3.66847	3.7
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.597	2.597	(0.457)	281545	56.4607	56
13 Carbon disulfide	76							
14 Methyl acetate	43							

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	1035315	18.5482	19
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.229	3.229	(0.568)	50229	0.54757	0.55
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	454377	55.3280	55
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.300	4.300	(0.757)	32567	3.80580	3.8 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.610	(0.812)	615154	4.60711	4.6 (Q)
24 Chloroform	83	4.635	4.635	(0.816)	25784	0.20487	0.20 (aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.912)	247026	4.83036	4.8
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1362513	4.66653	4.7
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1171687	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	348512	4.53781	4.5
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	7.366	7.366	(0.813)	1242074	4.69647	4.7
41 Toluene	91	7.445	7.439	(0.821)	240359	0.73738	0.74
\$ 42 trans-1,3-Dichloropropene-d4	79	7.677	7.677	(0.847)	261557	4.45421	4.5
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.078	8.072	(0.891)	54660	0.94816	0.95
\$ 46 2-Hexanone-d5	63	8.175	8.175	(0.902)	325824	51.6900	52
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	9.064	9.058	(1.000)	845326	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	10.651	10.651	(1.175)	107801	4.63219	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	11.899	11.899	(1.000)	312815	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	222518	4.73682	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).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823199.d
Lab Smp Id: 823199 Client Smp ID: D31.75HIGH
Inj Date : 24-MAR-2010 14:16
Operator : JH2 Inst ID: J.i
Smp Info : D=3 1.75% HIGH : [] 03/17/10 @1540 (WATER)
Misc Info : 823199,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 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

ISTD	RT	AREA	AMOUNT
=====	====	=====	=====
* 32 1,4-Difluorobenzene	5.681	2947751	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
7.019	1705419	2.89274583	2.9	0		0	32

Data File: /chem/J,i/Jsvr,p/jamsntr,b/823199.d

Page 6

Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH ;[103/17/10 @1540(WATER)

Purge Volume: 25.0

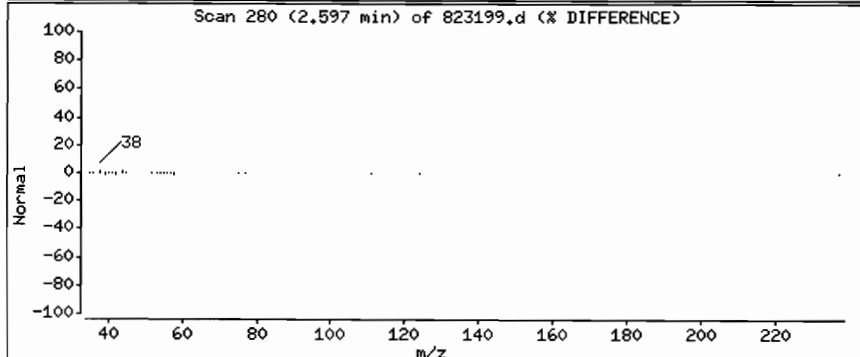
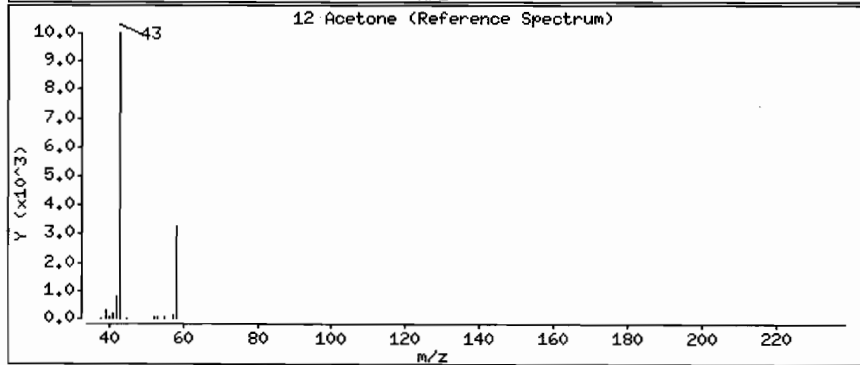
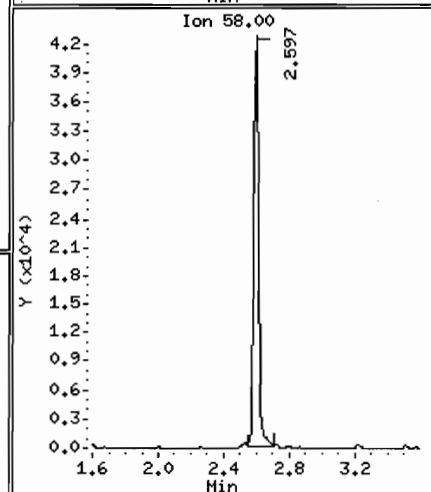
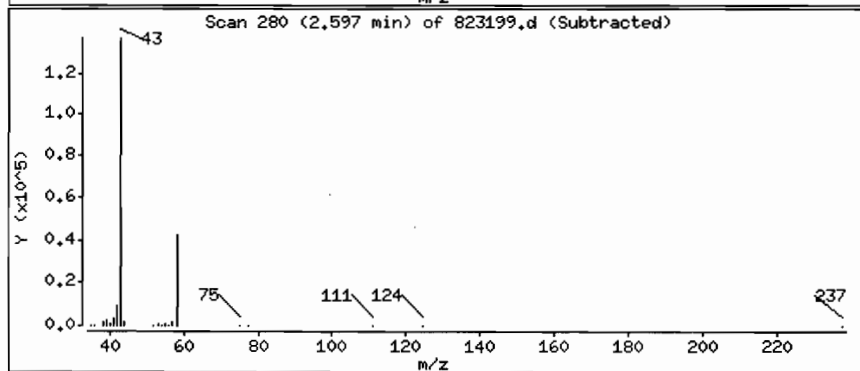
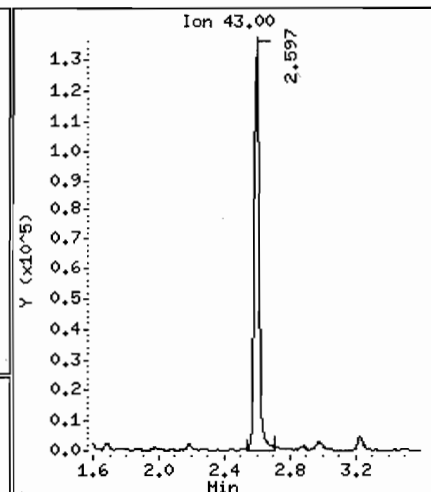
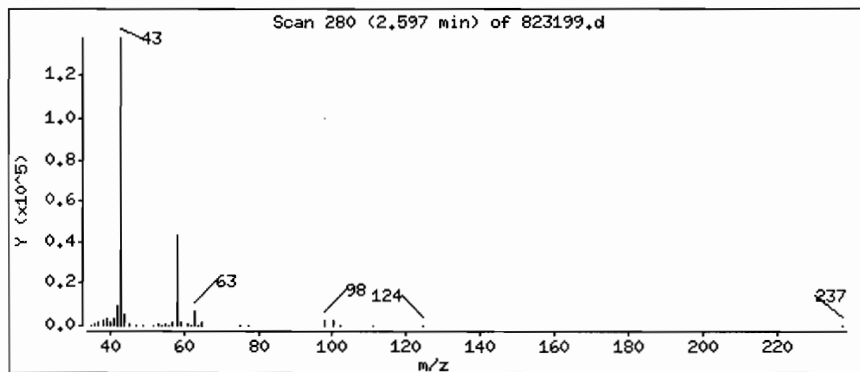
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 56 ug/L



Data File: /chem/J.i/Jsvr.p/jamsmtr.b/823199.d

Page 7

Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH ;I 103/17/10 @1540(WATER)

Purge Volume: 25.0

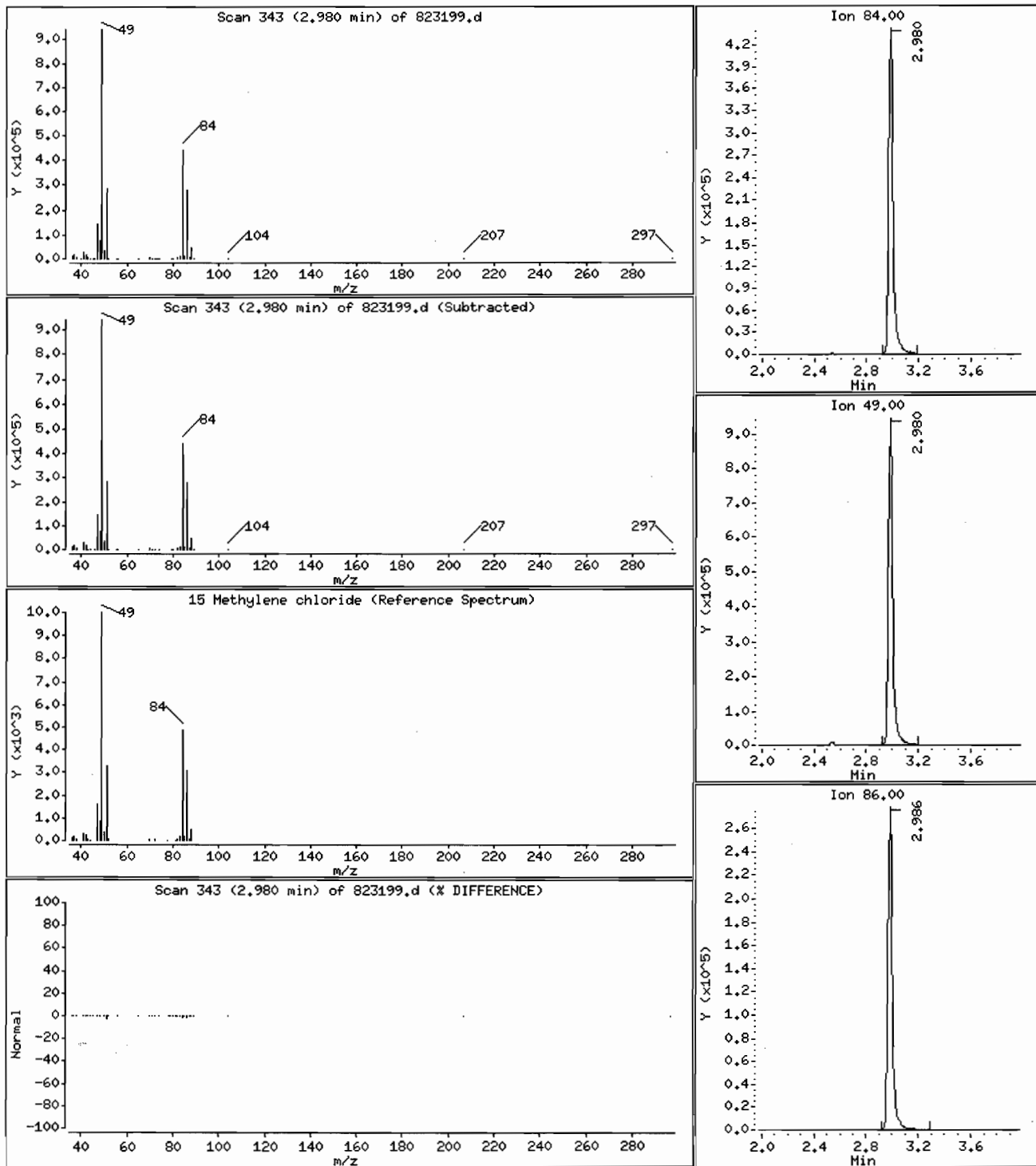
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 19 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmr.b/823199.d

Page 8

Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH :[103/17/10 @1540(WATER)

Purge Volume: 25.0

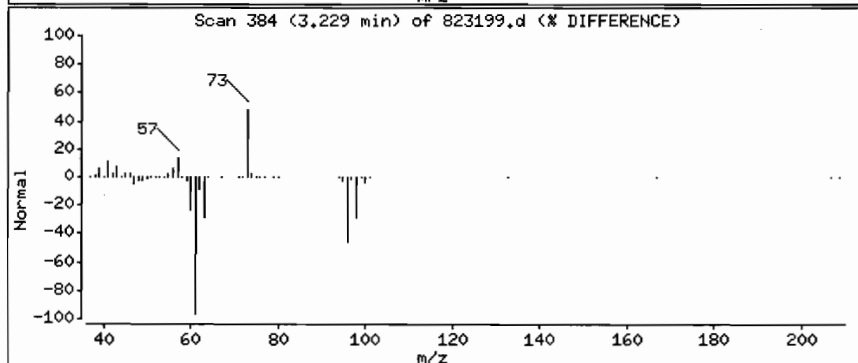
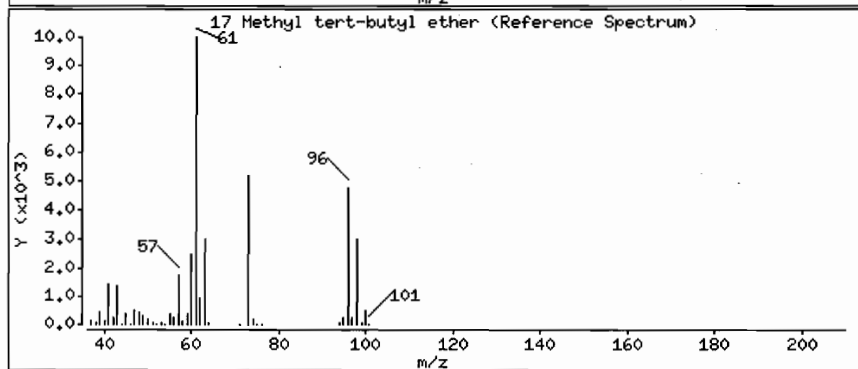
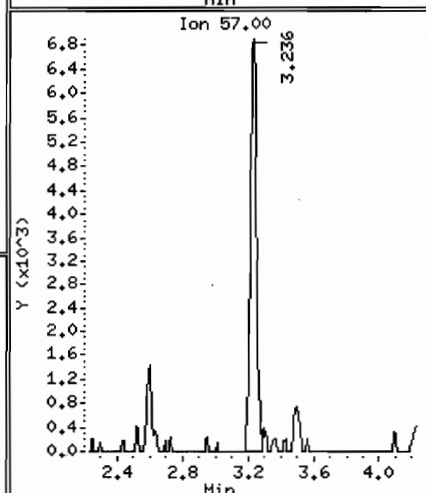
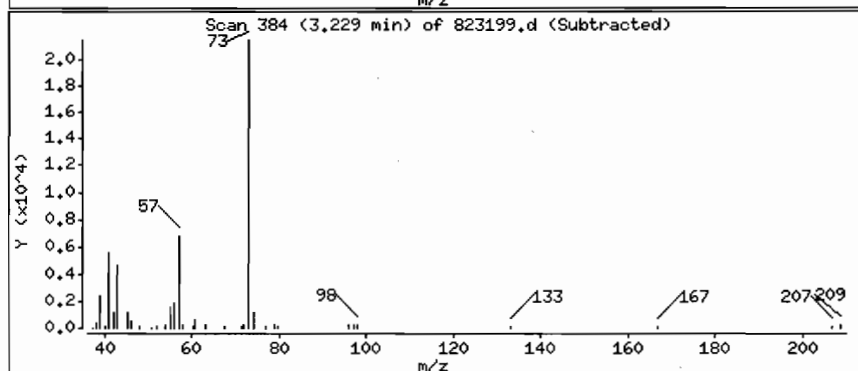
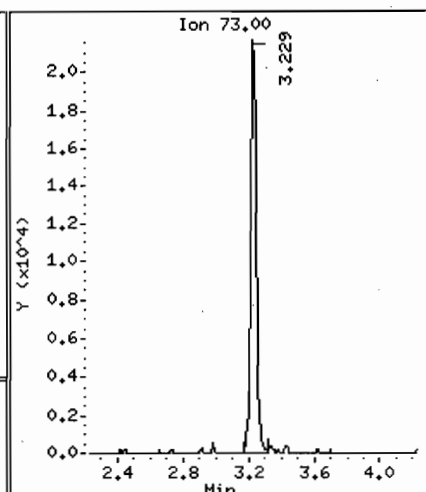
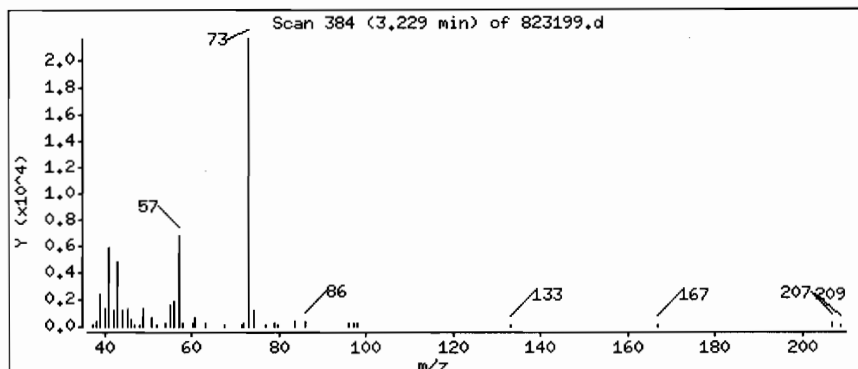
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.55 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823199.d

Page 9

Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH ;I 103/17/10 @1540(WATER)

Purge Volume: 25.0

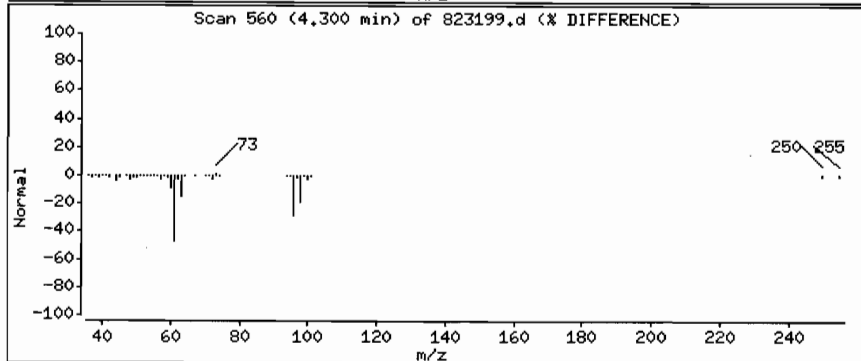
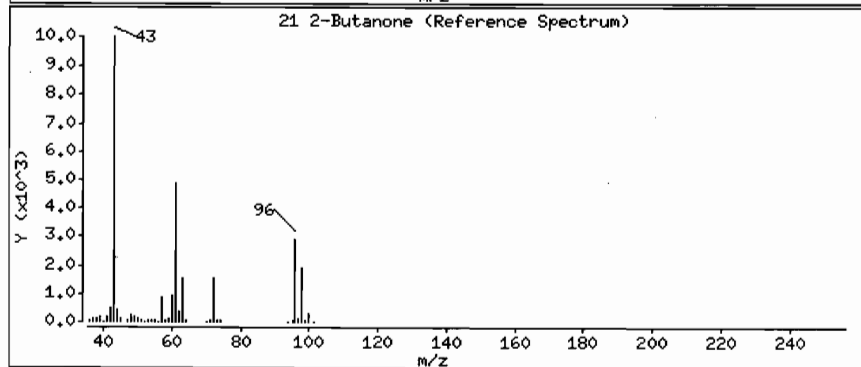
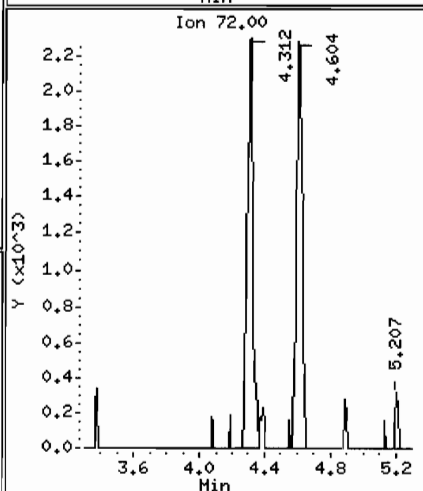
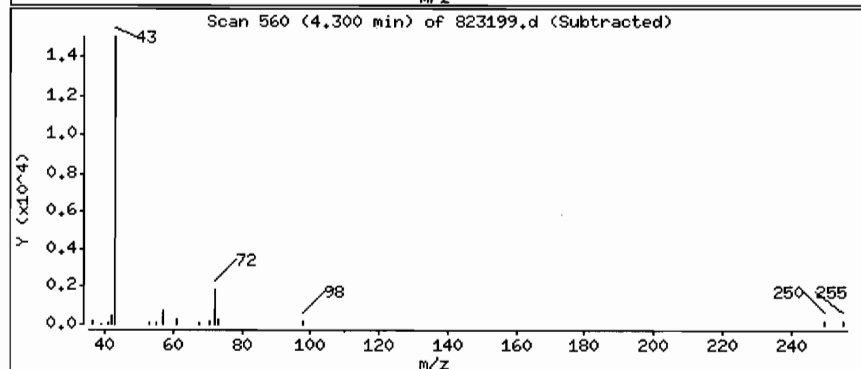
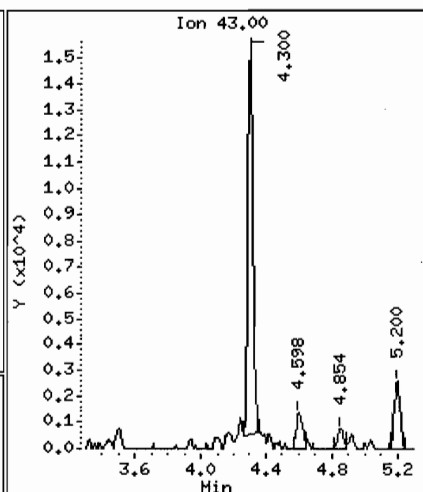
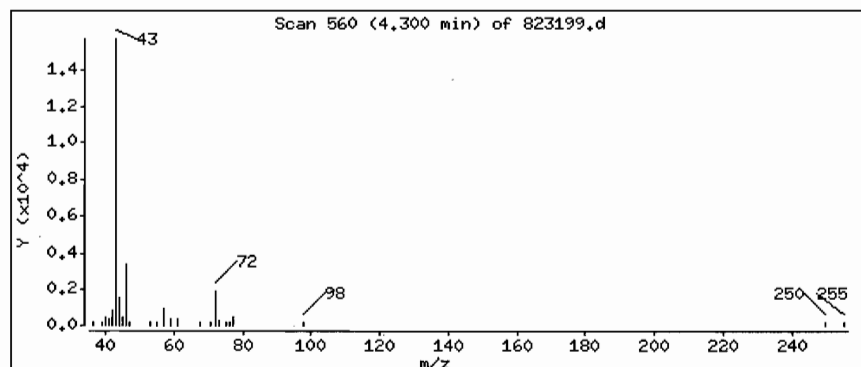
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.8 ug/L



Data File: /chem/J.i/Jsvr.p/jamsntr.b/823199.d

Page 10

Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH ;I 103/17/10 @1540(WATER)

Purge Volume: 25.0

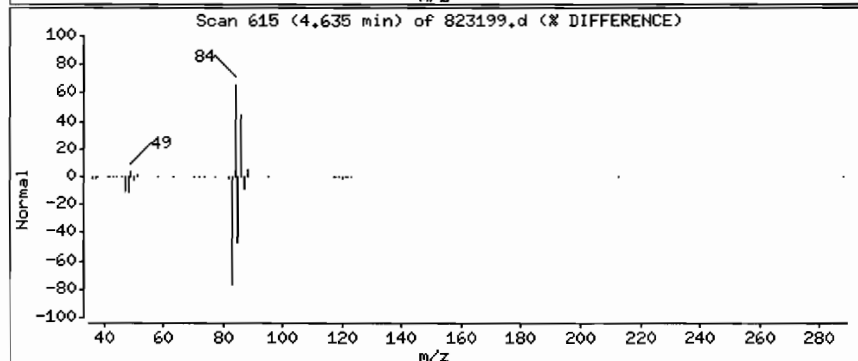
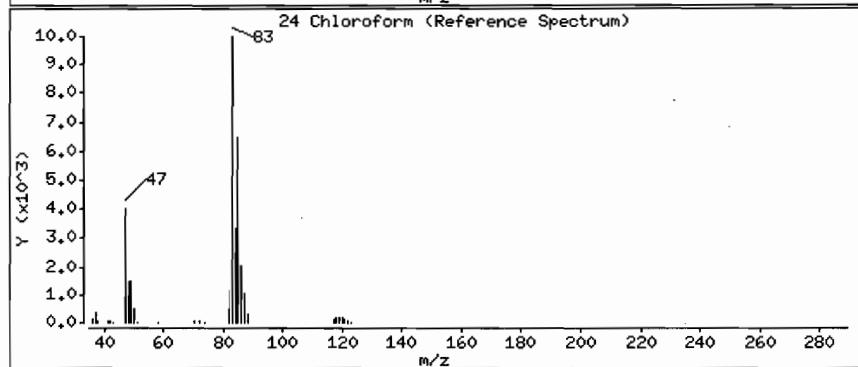
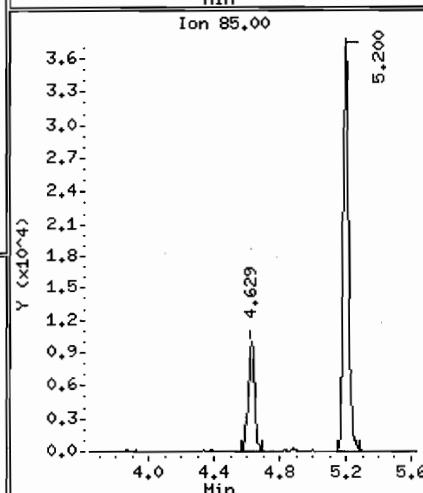
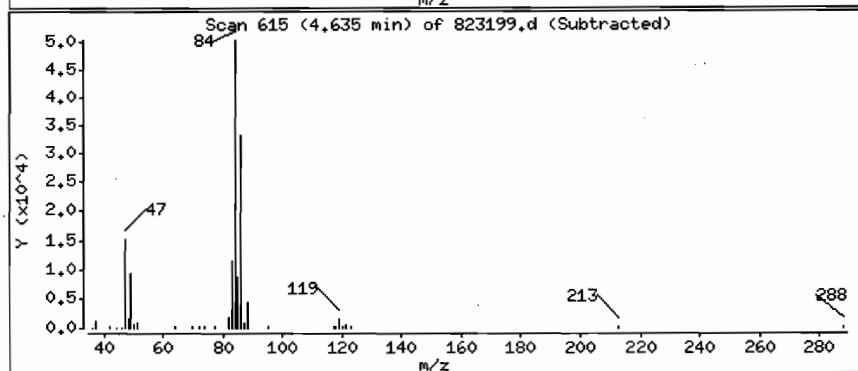
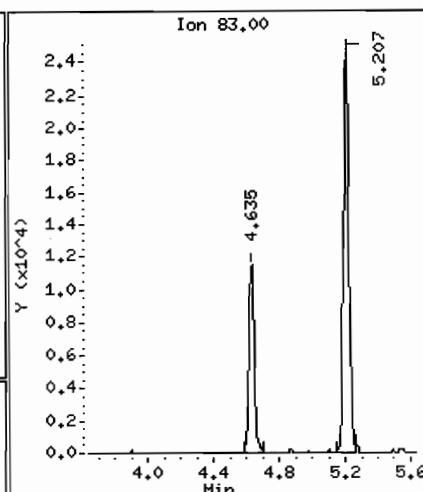
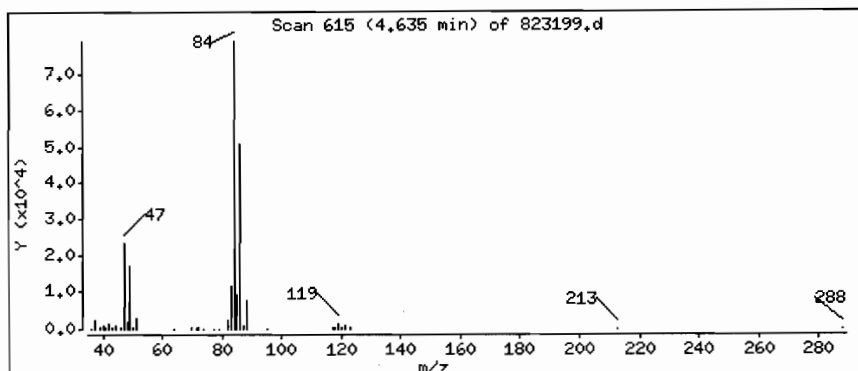
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.20 ug/L



Data File: /chem/J.i/Jsvr.p/jamsbmr.b/823199.d

Page 11

Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH :[103/17/10 @1540(WATER)

Purge Volume: 25.0

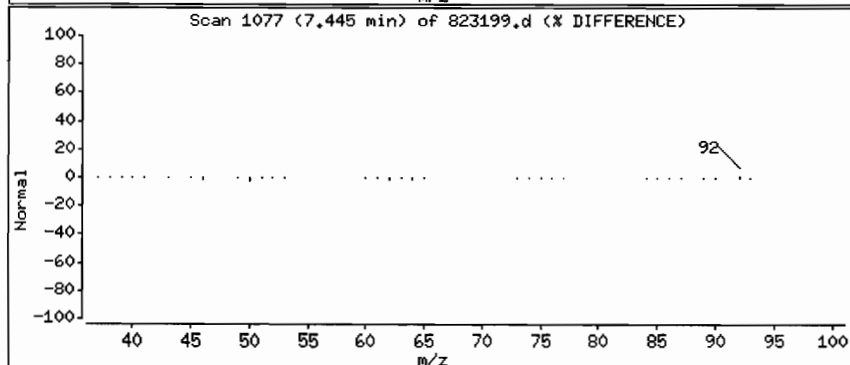
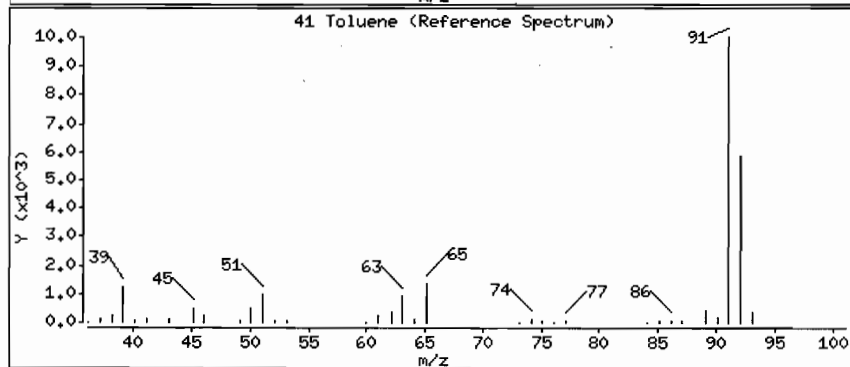
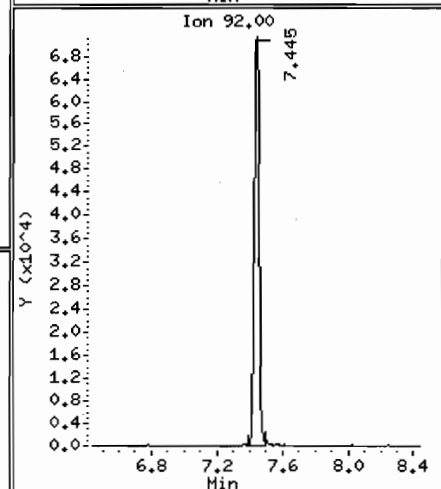
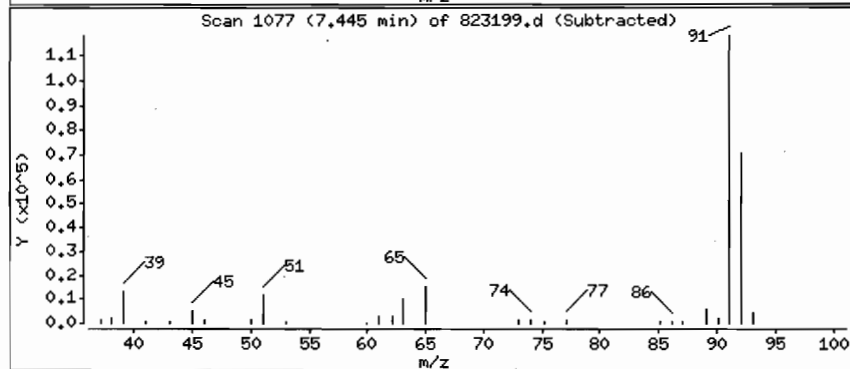
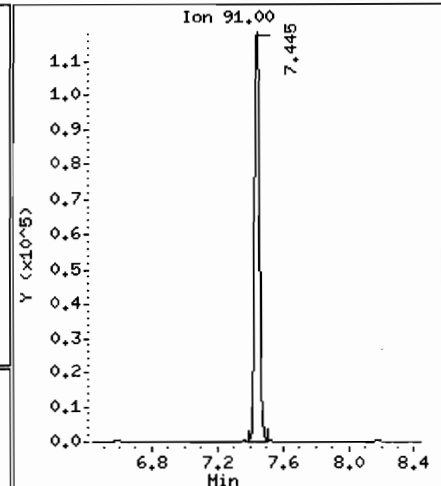
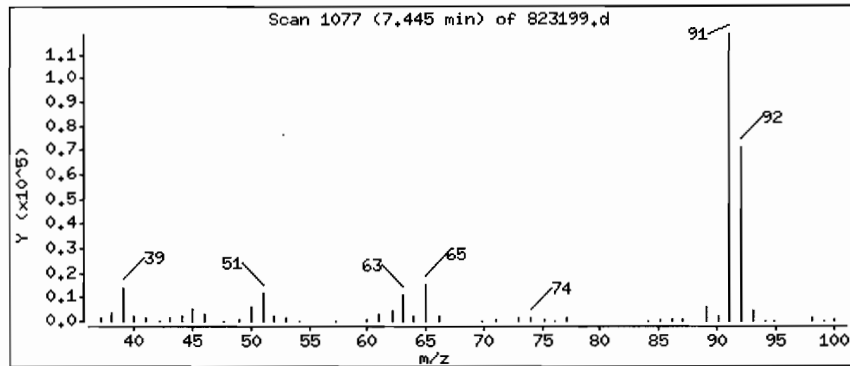
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.74 ug/L



Data File: /chem/J.i/Jsvr.p/jamsbmr.b/823199.d

Page 12

Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH ;I 103/17/10 @1540(WATER)

Purge Volume: 25.0

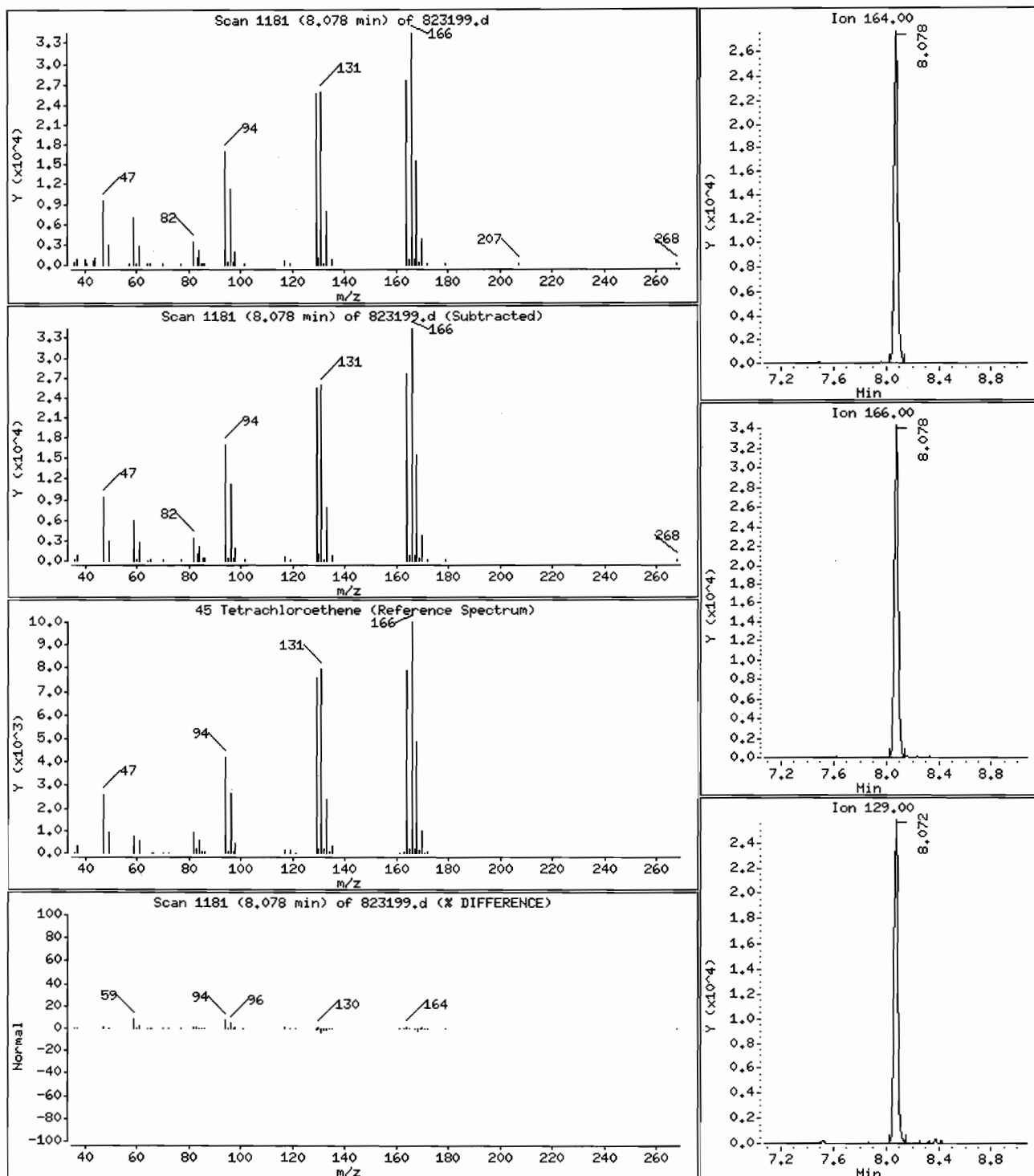
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 0.95 ug/L



Date : 24-MAR-2010 14:16

Client ID: D31.75HIGH

Instrument: J.i

Sample Info: D=3 1.75% HIGH :[103/17/10 @1540(WATER)

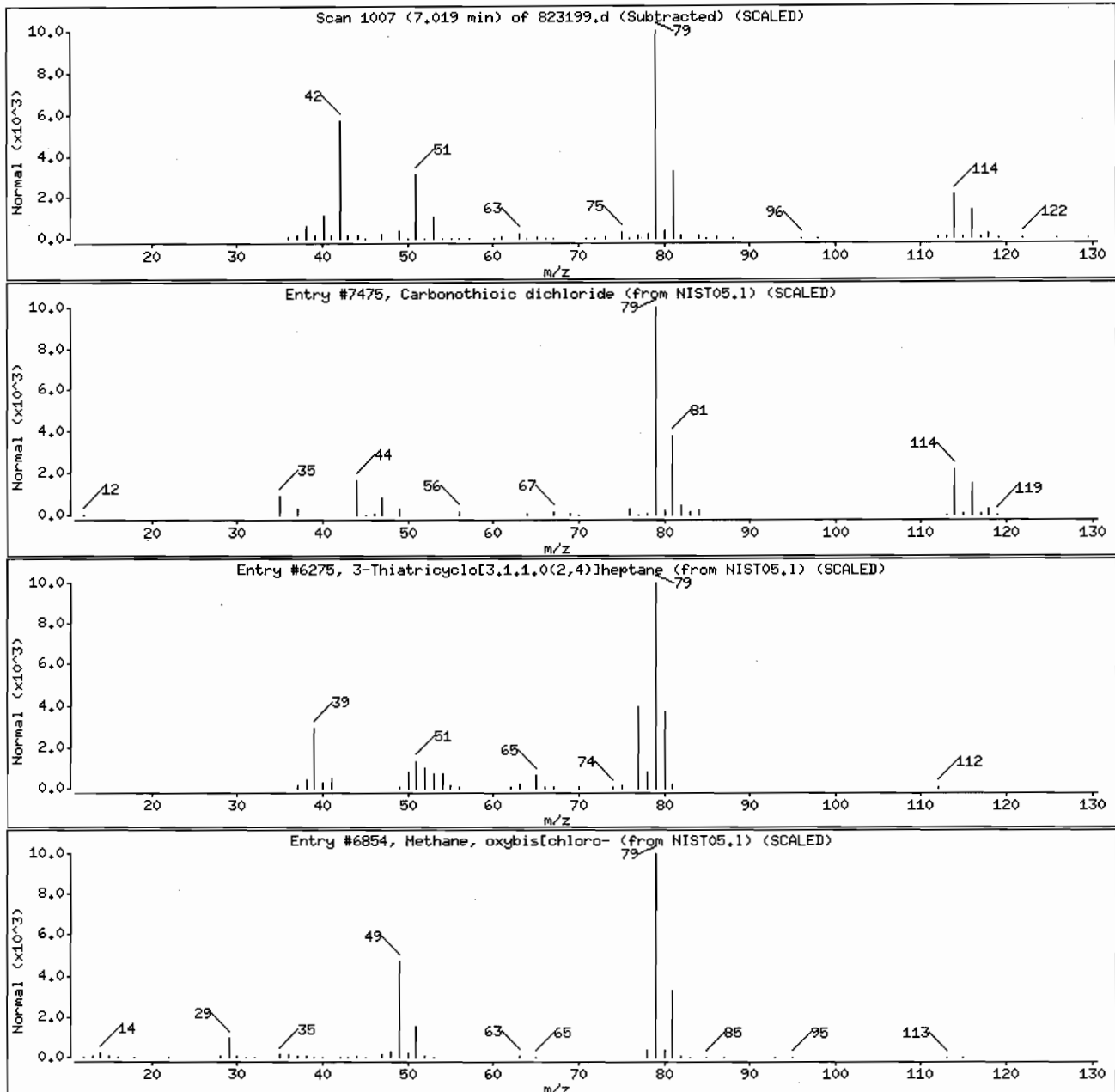
Purge Volume: 25.0

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	49	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	57	B
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	20	E
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.56	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.8	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.22	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.

D31.75MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	0.73	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	3.0	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.

D31.75MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823198
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823198
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/24/2010
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)

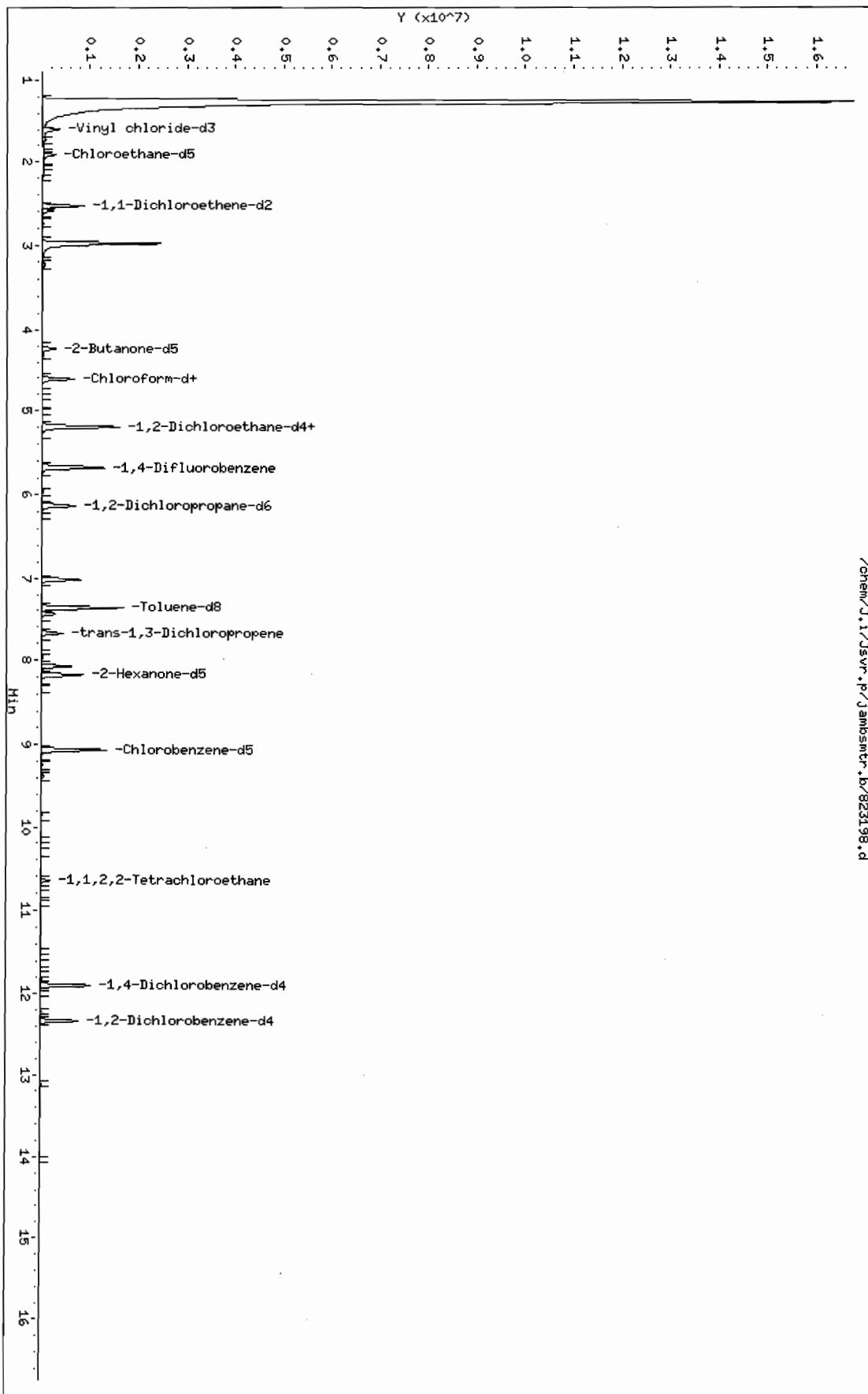
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.01	3.0	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.1/Jsvr.p/janbsmtr.b/823198.d
Date: 24-MAR-2010 13:17
Client ID: D31.75MED
Sample Info: D=3 1.75% MEDIUM : (103/17/10 @1530CMATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.1
Operator: JH2
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823198.d
Report Date: 25-Mar-2010 10:12

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823198.d
Lab Smp Id: 823198 Client Smp ID: D31.75MED
Inj Date : 24-MAR-2010 13:17
Operator : JH2 Inst ID: J.i
Smp Info : D=3 1.75% MEDIUM :[]03/17/10 @1530(WATER)
Misc Info : 823198,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	427397	4.79974	4.8
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	293553	4.90185	4.9
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	690505	3.89042	3.9
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	267720	57.4444	57
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	2.980	2.980	(0.525)	1053023	20.1853	20 (A)
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.229	3.229	(0.568)	47940	0.55918	0.56
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	467745	60.9406	61
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.300	4.300	(0.757)	29993	3.75022	3.8 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.610	(0.812)	580603	4.65257	4.7 (Q)
24 Chloroform	83	4.629	4.635	(0.815)	25934	0.22048	0.22 (aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.912)	244681	5.11925	5.1
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1340465	4.93957	4.9
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1095072	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	335188	4.69566	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	7.366	7.366	(0.813)	1191081	4.84557	4.8
41 Toluene	91	7.439	7.439	(0.821)	221726	0.73185	0.73
\$ 42 trans-1,3-Dichloropropene-d4	79	7.677	7.677	(0.848)	261465	4.79069	4.8
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.072	8.072	(0.891)	160803	3.00115	3.0
\$ 46 2-Hexanone-d5	63	8.175	8.175	(0.903)	323431	55.2059	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	9.058	9.058	(1.000)	785678	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	10.651	10.651	(1.176)	102931	4.75871	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	11.899	11.899	(1.000)	299196	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====	
\$ 63 1,2-Dichlorobenzene-d4	152		12.337	12.337	(1.037)	217337	4.83712	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		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.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823198.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823198.d
Lab Smp Id: 823198 Client Smp ID: D31.75MED
Inj Date : 24-MAR-2010 13:17
Operator : JH2 Inst ID: J.i
Smp Info : D=3 1.75% MEDIUM :[]03/17/10 @1530(WATER)
Misc Info : 823198,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	5.681	2737417	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
7.013	1668344	3.04729623	3.0	0		0	32

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823198.d

Page 6

Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM ;I 103/17/10 @1530(WATER)

Purge Volume: 25.0

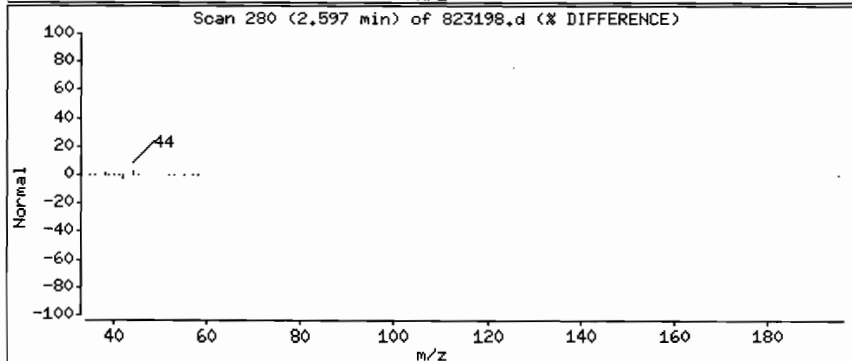
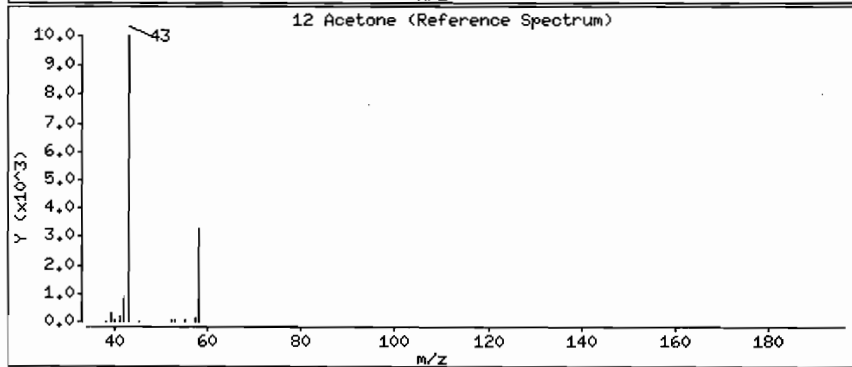
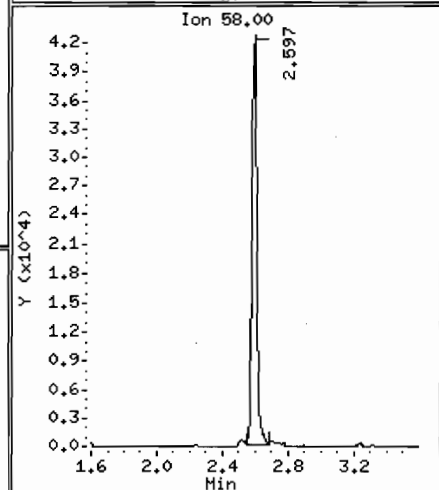
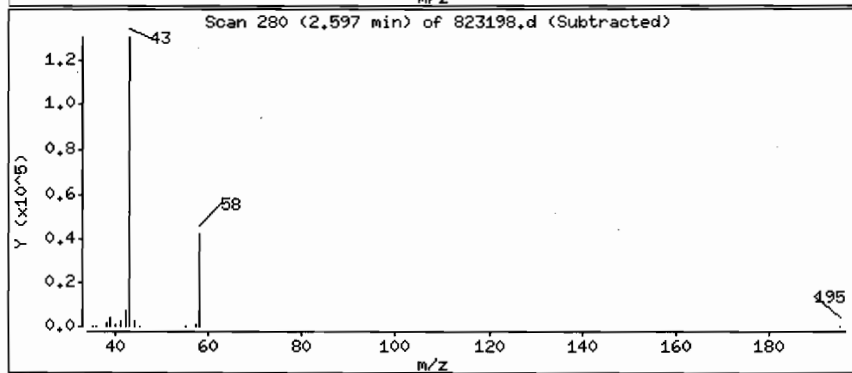
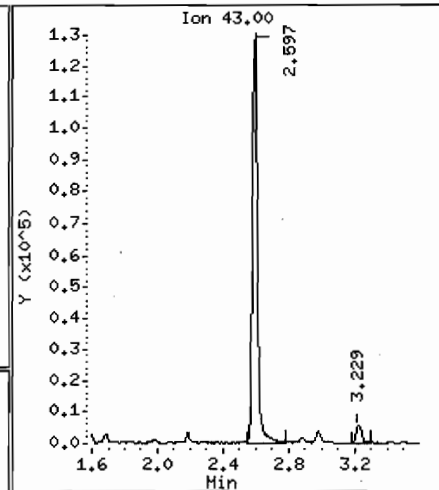
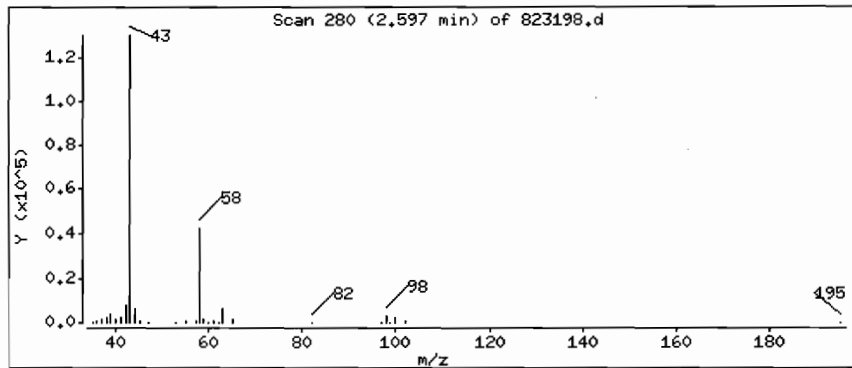
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 57 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823198.d

Page 7

Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM ;[103/17/10 01530(WATER)

Purge Volume: 25.0

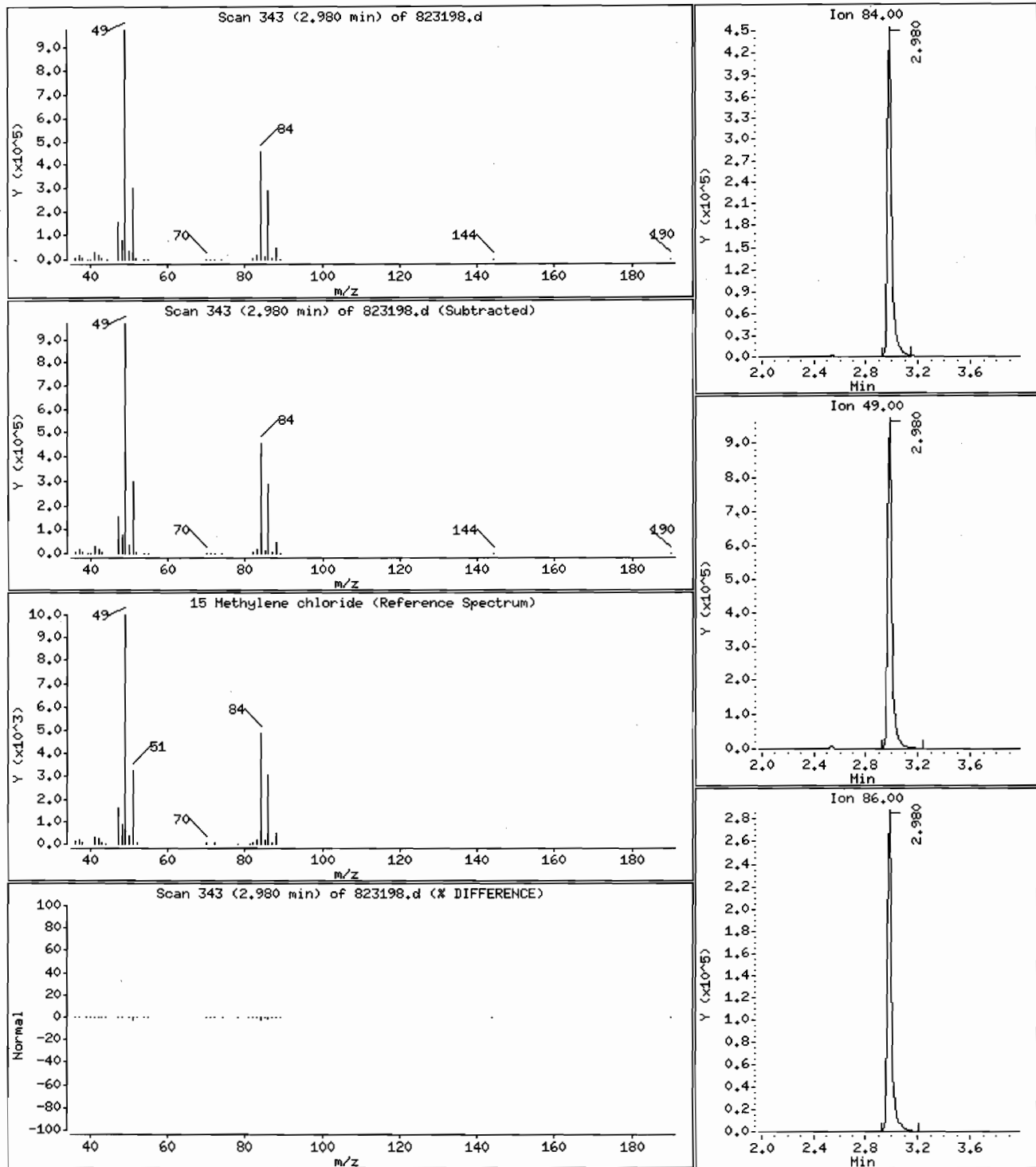
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 20 ug/L



Data File: /chem/J.i/Jsvr.p/janbsmr.b/823198.d

Page 8

Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM :[103/17/10 @1530(WATER)

Purge Volume: 25.0

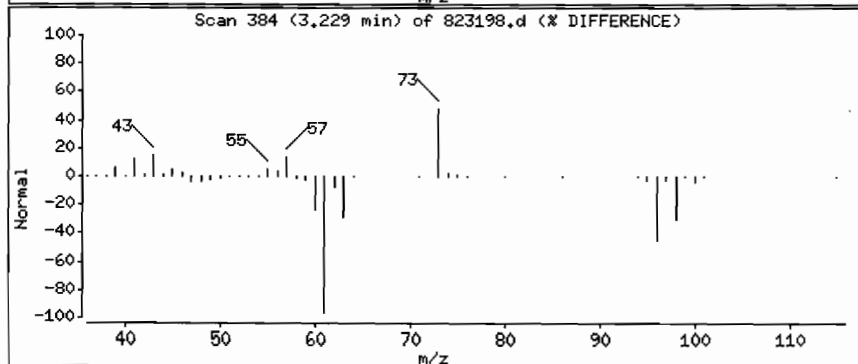
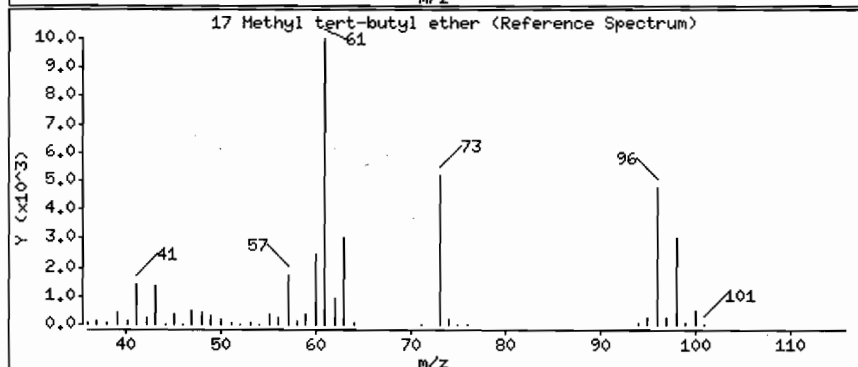
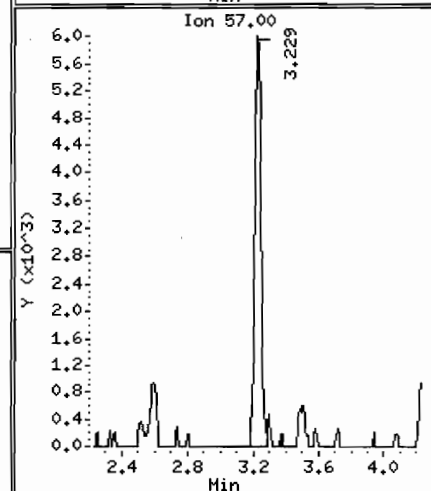
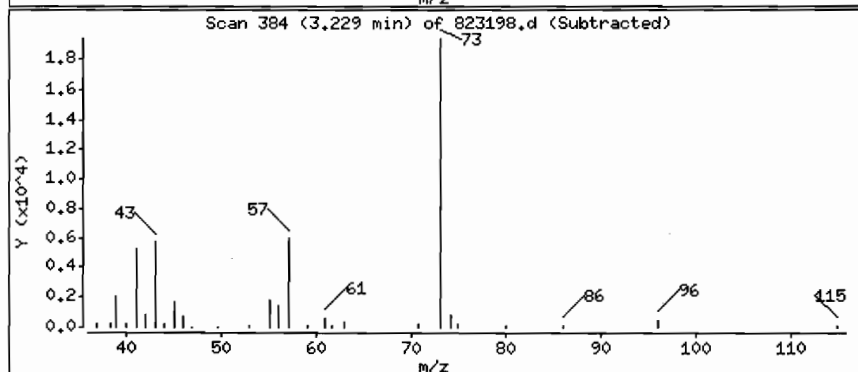
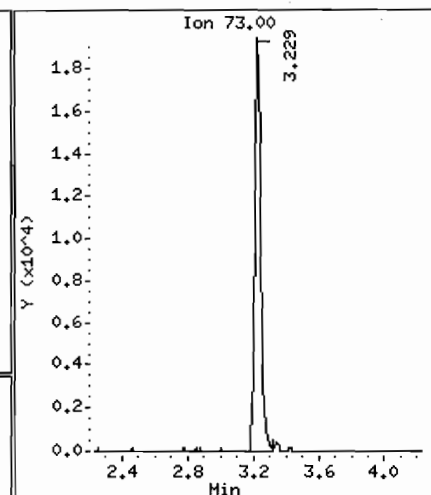
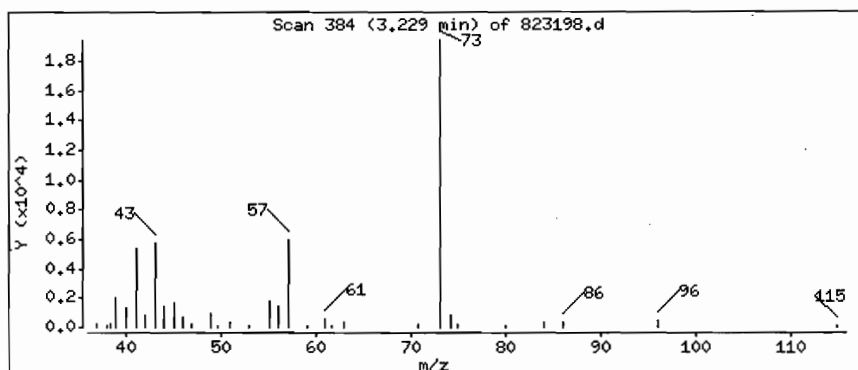
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.56 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823198.d

Page 9

Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM ;I 103/17/10 @1530(WATER)

Purge Volume: 25.0

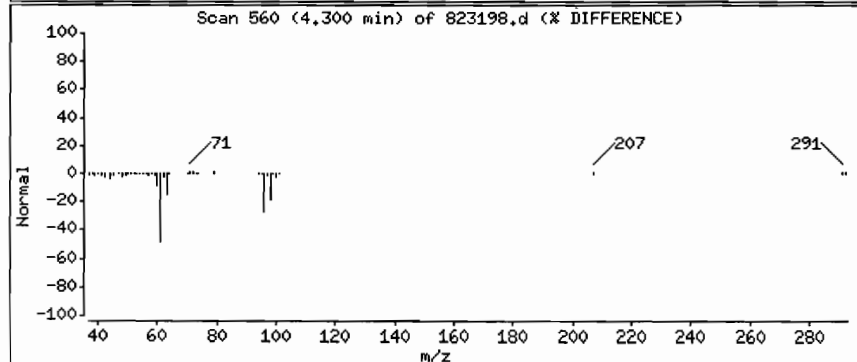
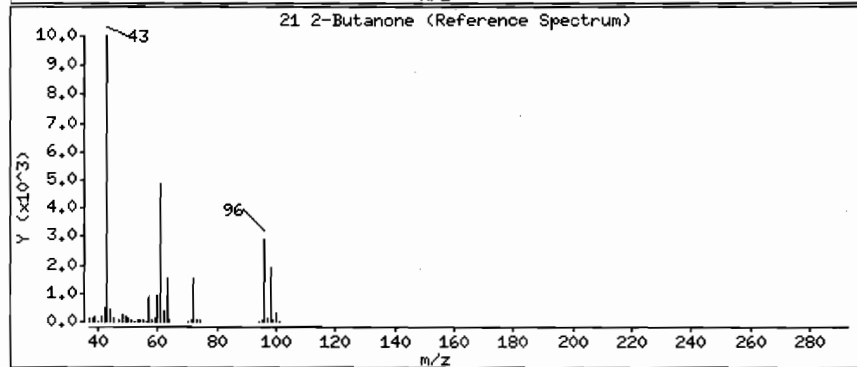
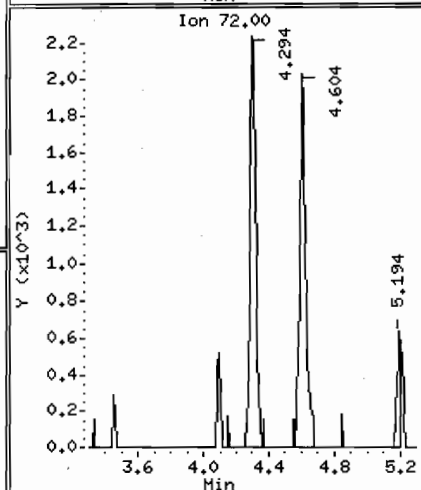
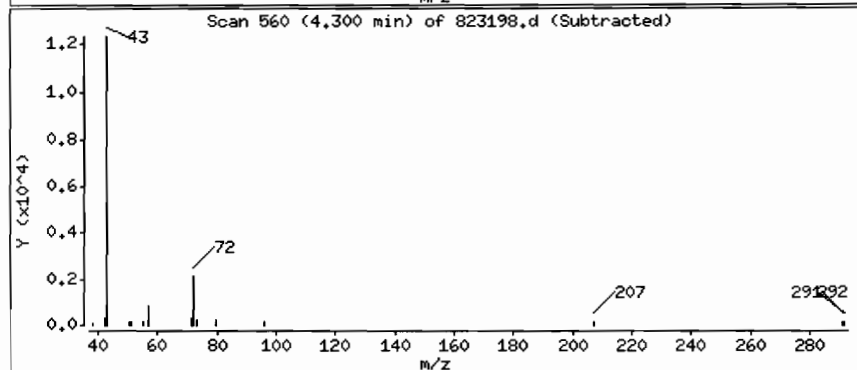
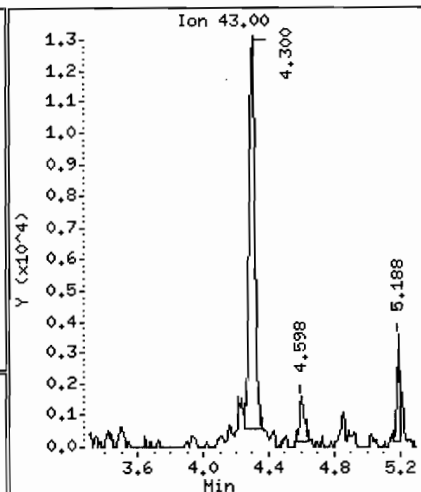
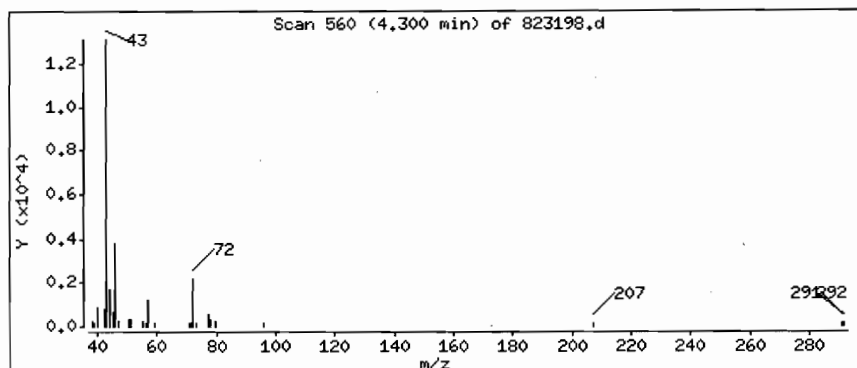
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.8 ug/L



Data File: /chem/J.i/Jsvr.p/jamsmr.b/823198.d

Page 10

Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM :[103/17/10 @1530(WATER)

Purge Volume: 25.0

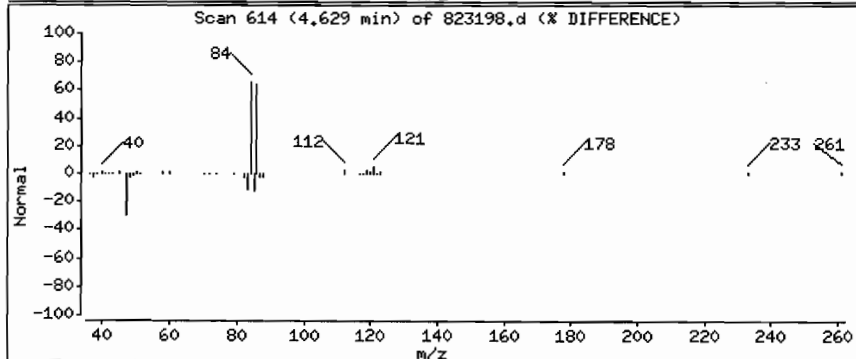
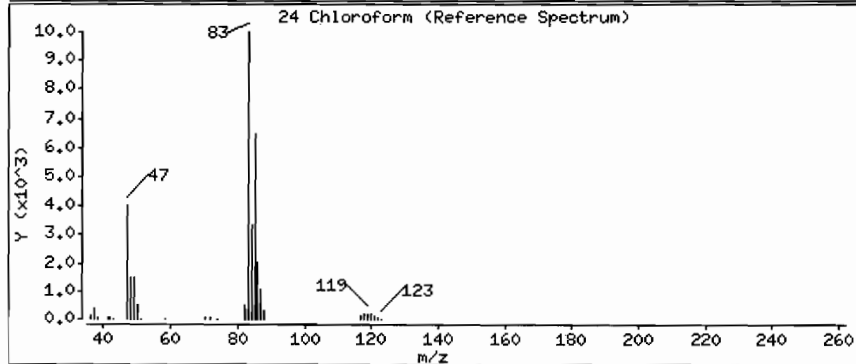
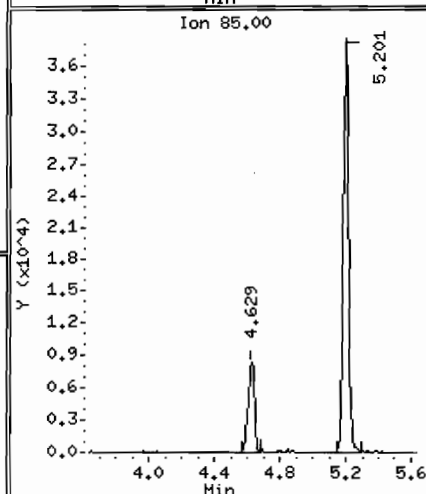
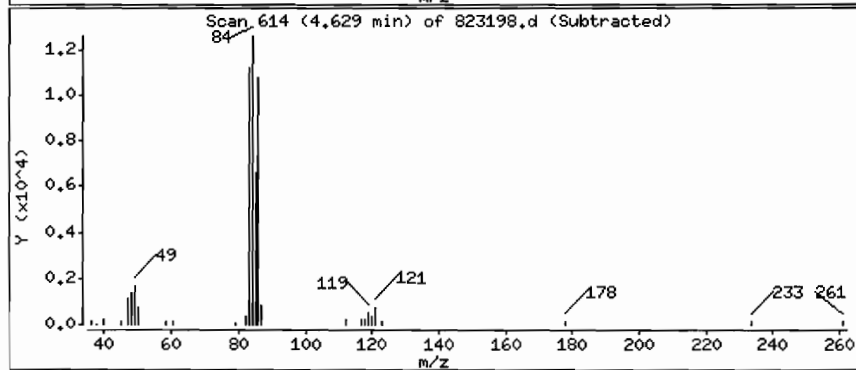
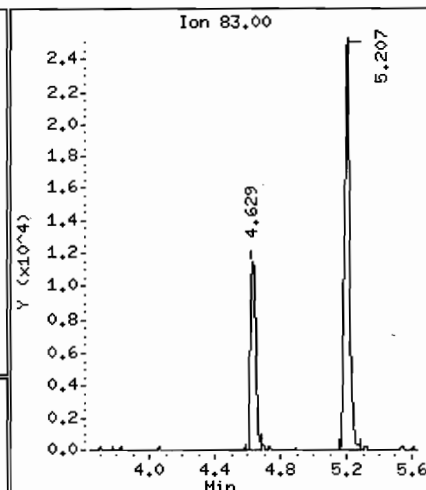
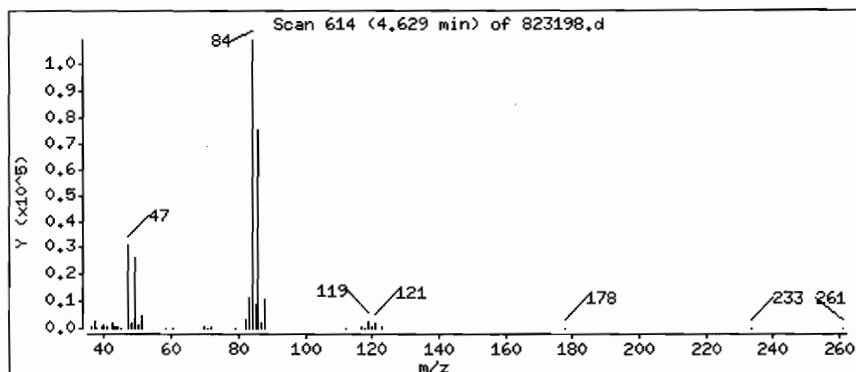
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.22 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823198.d

Page 11

Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM :I 103/17/10 @1530(WATER)

Purge Volume: 25.0

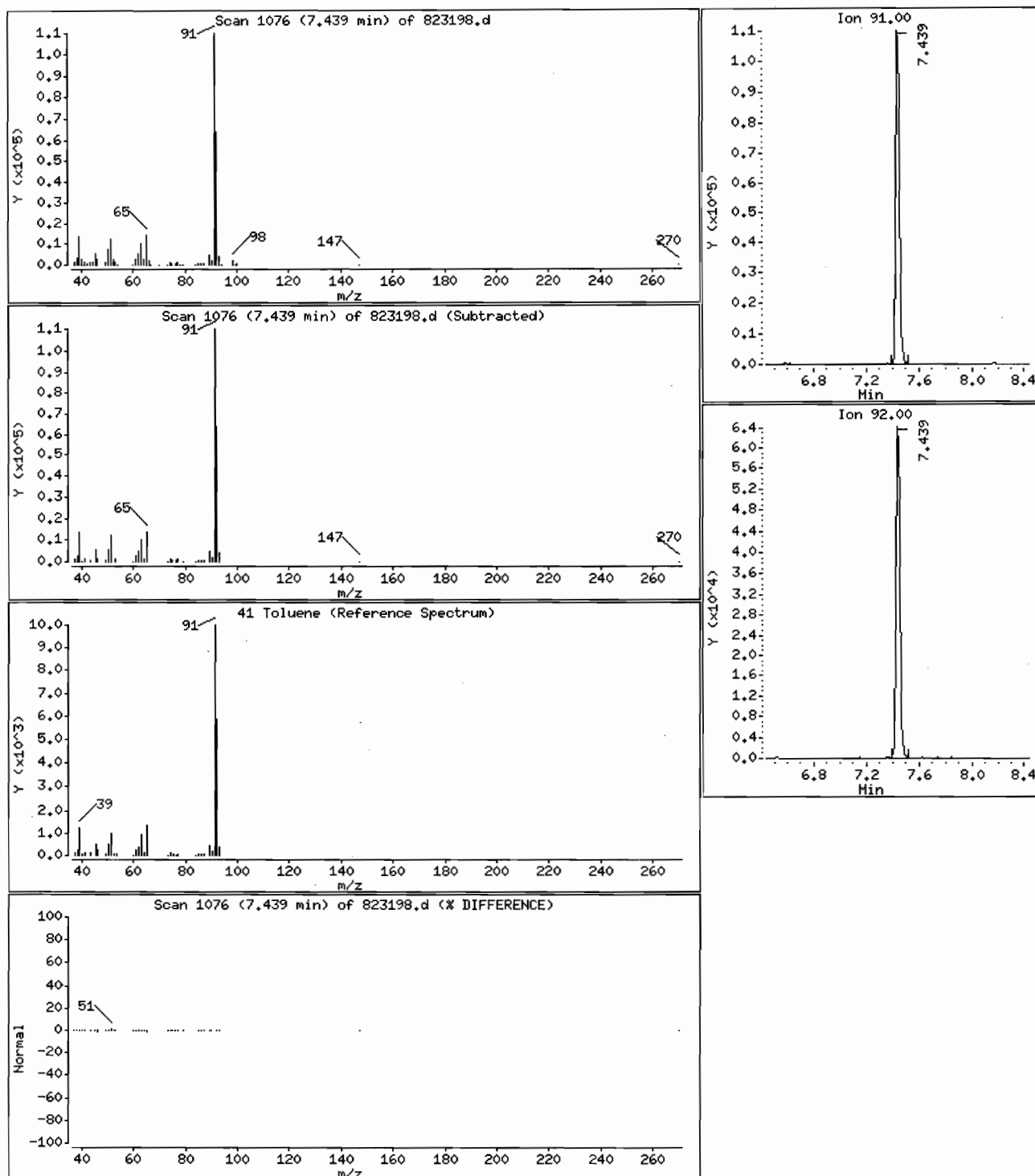
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.73 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmr.b/823198.d

Page 12

Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM ;[103/17/10 @1530(WATER)

Purge Volume: 25.0

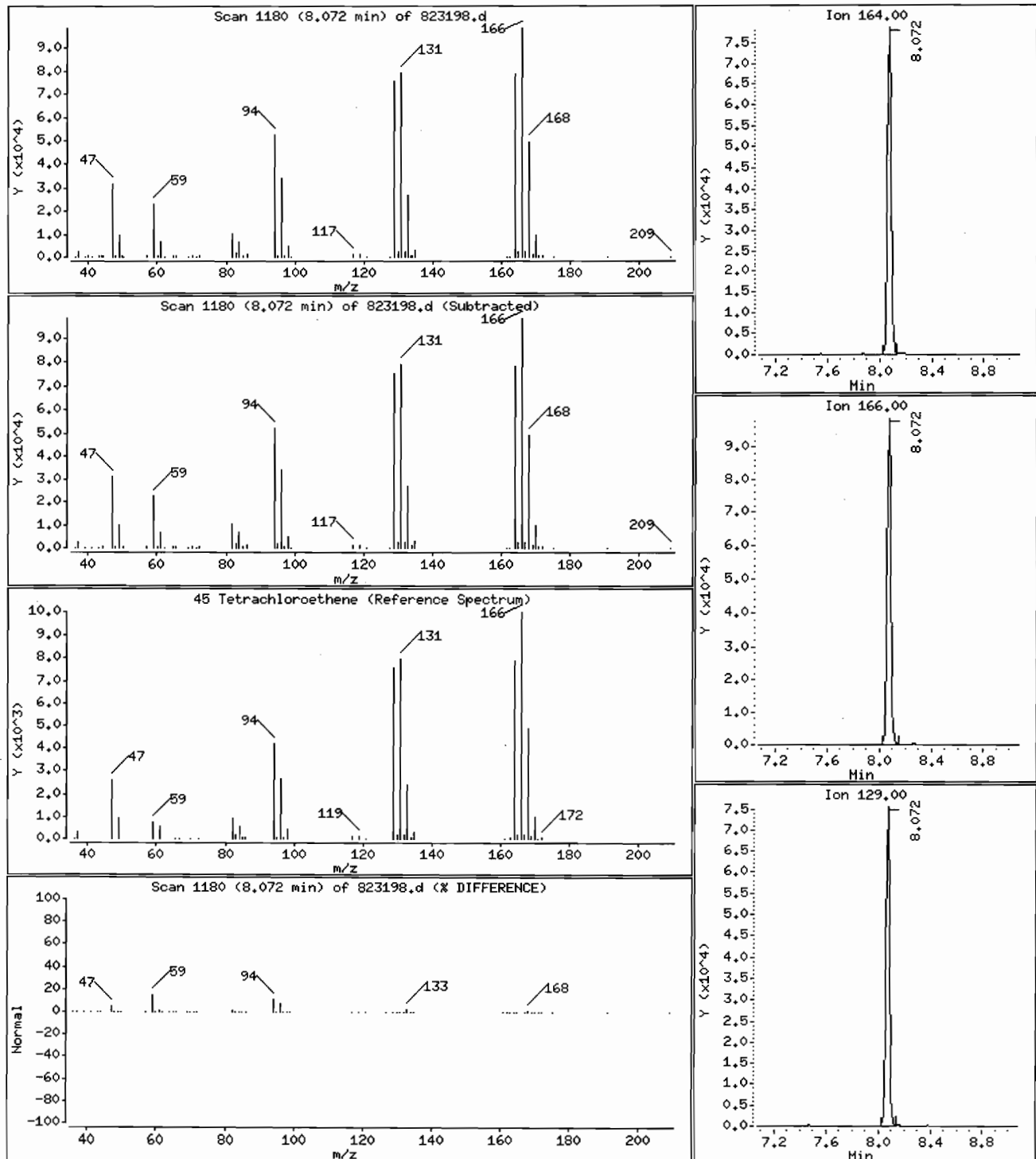
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 3.0 ug/L



Date : 24-MAR-2010 13:17

Client ID: D31.75MED

Instrument: J.i

Sample Info: D=3 1.75% MEDIUM ;I J03/17/10 @1530(WATER)

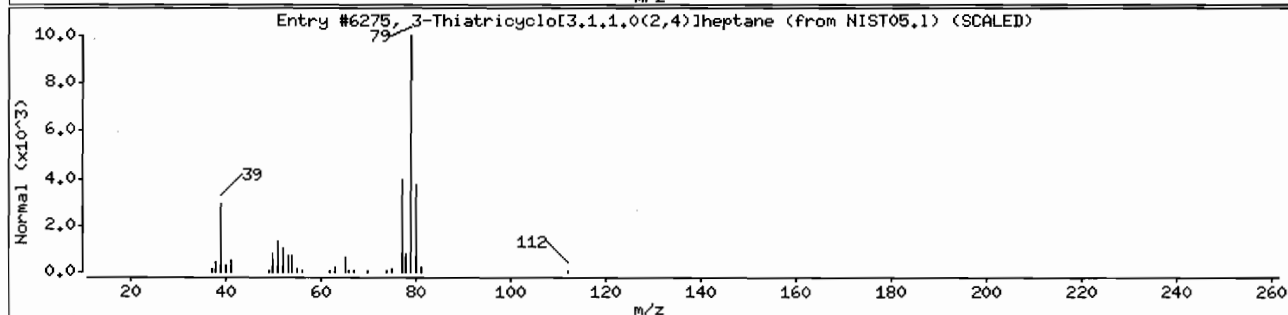
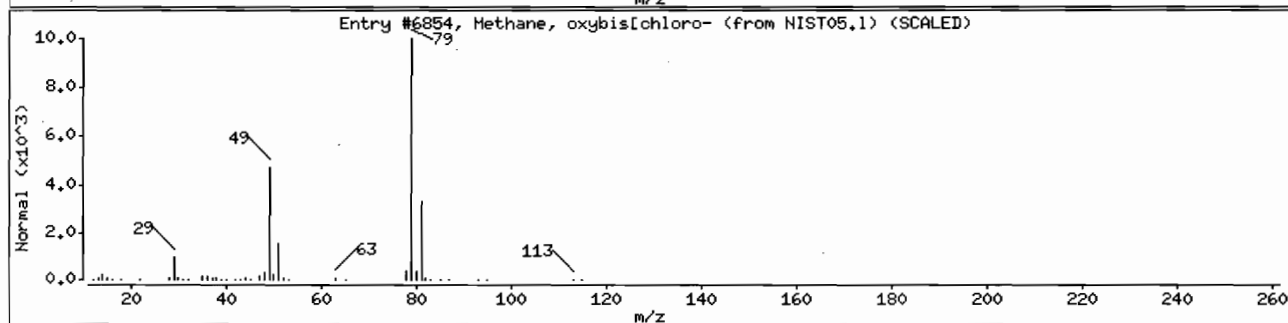
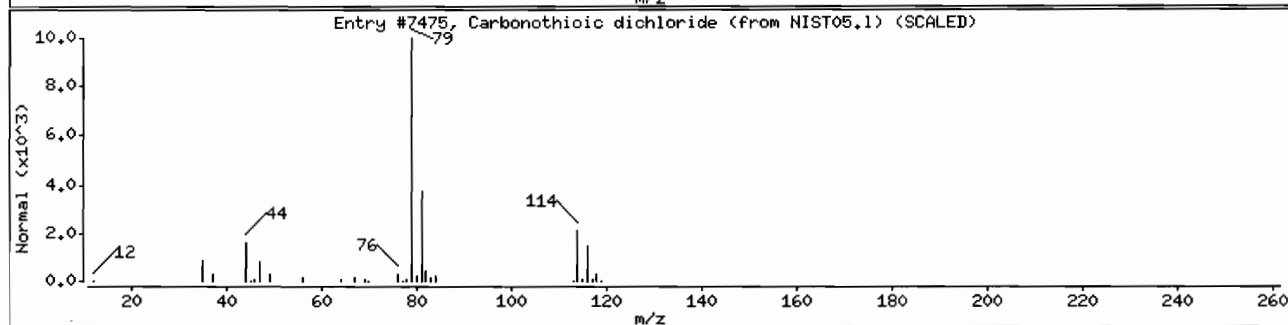
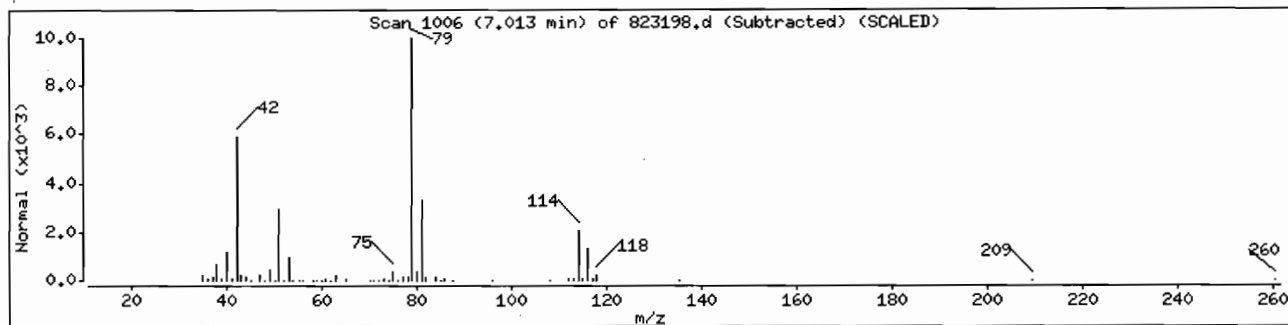
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	49	CCl ₂ S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	32	C ₂ H ₄ Cl ₂ O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D31.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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	52	D
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	21	D
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	4.1	DJ
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.
D31.75MEDDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823198D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823198D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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	1.0	U
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	0.75	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	2.7	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.
D31.75MEDDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823198D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823198D
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
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)

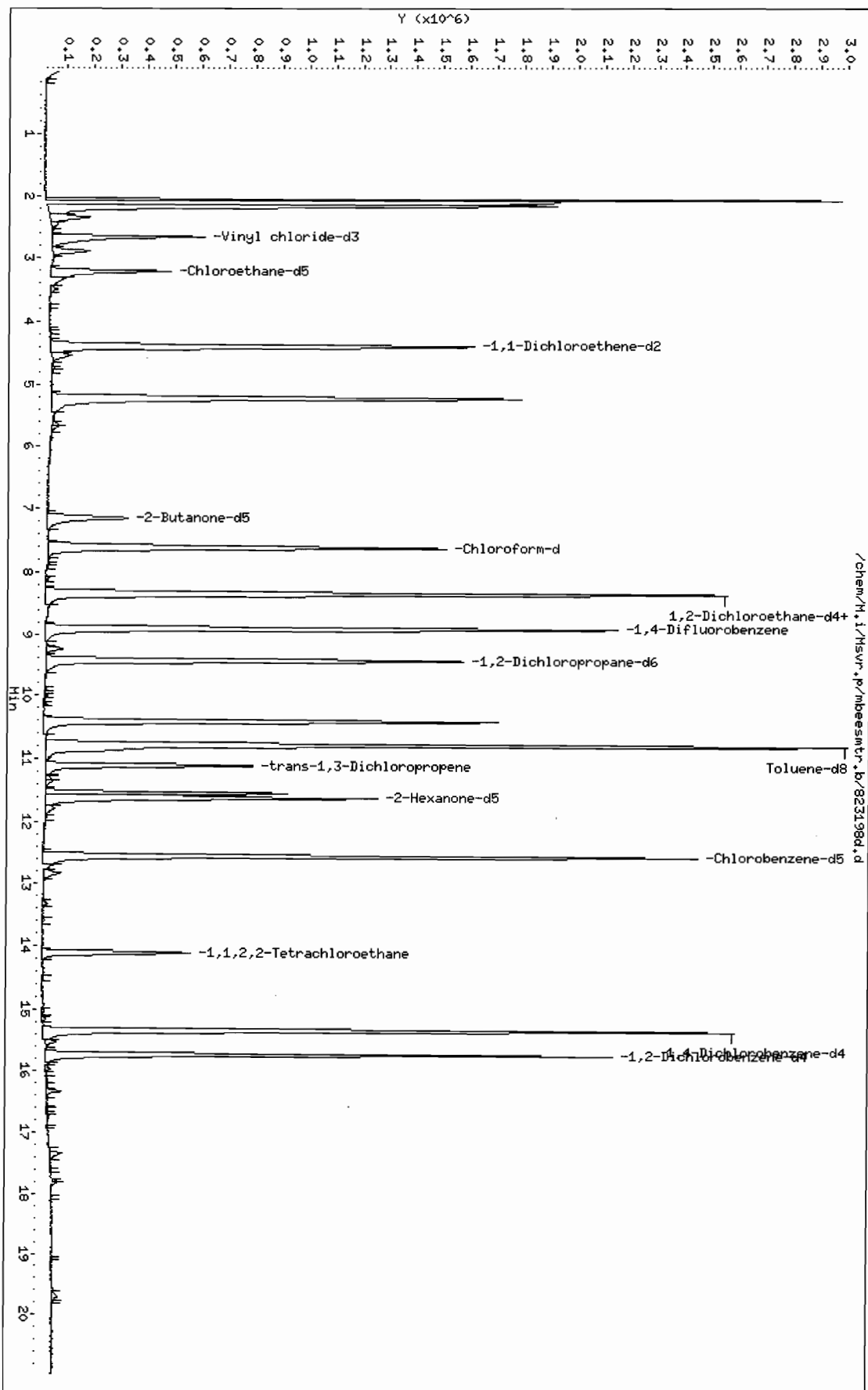
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.40	7.4	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msyr.p/mbeasnr.b/823198d.d
 Date : 21-MAR-2010 18:14
 Client ID: D31.75MEDDL
 Sample Info: D=3 1.75% MEDIUM : (103/17/10 01530(WATER))
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: M.i
 Operator: JPI
 Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823198d.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823198d.d
Lab Smp Id: 823198D1 Client Smp ID: D31.75MEDDL
Inj Date : 21-MAR-2010 18:14
Operator : JP1 Inst ID: M.i
Smp Info : D=3 1.75% MEDIUM :[] 03/17/10 @1530(WATER)
Misc Info : 823198,032110MO,2,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 10
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	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		2.655	2.663	(0.298)	1350587	5.44687	5.4
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		3.219	3.216	(0.361)	1119356	5.39327	5.4
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		4.386	4.393	(0.492)	2680680	4.51433	4.5
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		4.534	4.541	(0.509)	217402	25.9819	52
13 Carbon disulfide	76							
14 Methyl acetate	43							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	5.216	5.224	(0.586)	1573394	10.3855	21
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	5.681	5.669	(0.638)	55550	0.30748	0.61 (a)
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	7.164	7.152	(0.805)	925928	57.8868	58
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	7.243	7.241	(0.813)	30731	2.04617	4.1 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	7.619	7.617	(0.856)	2348639	5.50299	5.5 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.331	8.329	(0.936)	677196	6.03598	6.0 (Q)
\$ 29 Benzene-d6	84	8.341	8.339	(0.665)	3494501	5.47149	5.5
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.904	8.902	(1.000)	3164858	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	9.419	9.416	(0.751)	1528688	4.92742	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	10.773	10.771	(0.859)	3661058	5.26332	5.3
41 Toluene	91	10.852	10.850	(0.865)	268133	0.37573	0.75 (aH)
\$ 42 trans-1,3-Dichloropropene-d4	79	11.090	11.088	(0.884)	813936	5.00453	5.0
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	11.525	11.523	(0.919)	407968	1.33468	2.7
\$ 46 2-Hexanone-d5	63	11.604	11.592	(0.925)	989576	51.5782	52
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	12.543	12.541	(1.000)	2492706	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.106	14.103	(1.125)	578891	4.91823	4.9
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	15.332	15.330	(1.000)	1231517	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

						CONCENTRATIONS			
		QUANT	SIG					ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)	
=====		=====	==	=====	=====	=====	=====	=====	
\$ 63	1,2-Dichlorobenzene-d4	152	15.727	15.725	(1.026)	960952	4.73354	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).
- Q - Qualifier signal failed the ratio test.
- H - Operator selected an alternate compound hit.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823198d.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823198d.d
Lab Smp Id: 823198D1 Client Smp ID: D31.75MEDDL
Inj Date : 21-MAR-2010 18:14
Operator : JP1 Inst ID: M.i
Smp Info : D=3 1.75% MEDIUM : [] 03/17/10 @1530(WATER)
Misc Info : 823198,032110MO,2,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 10
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	8.904	7990234	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.398	5908658	3.69742475	7.4	0		0	32

Data File: /chem/M.i/Hsvr.p/mbeesmr.b/823198d.d

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Date : 21-MAR-2010 18:14

Client ID: D31.75MEDDL

Instrument: M.i

Sample Info: D=3 1.75% MEDIUM :[103/17/10 @1530(WATER)

Purge Volume: 25.0

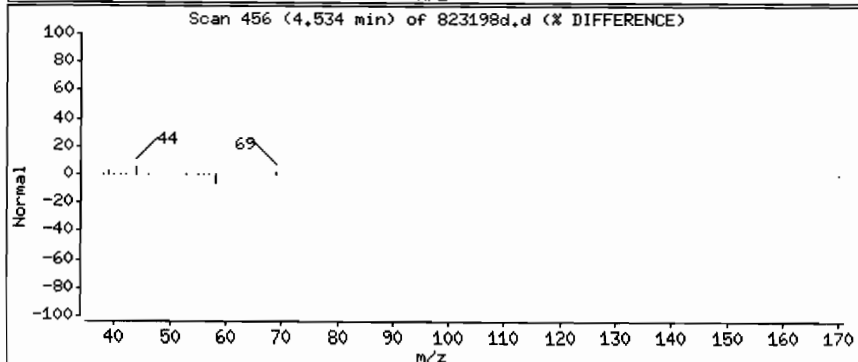
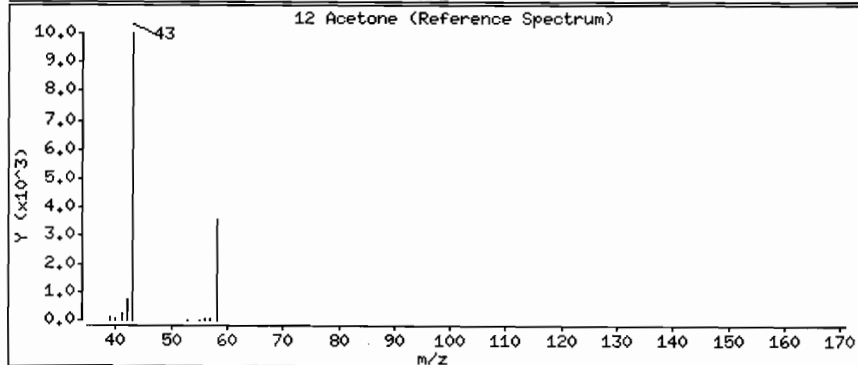
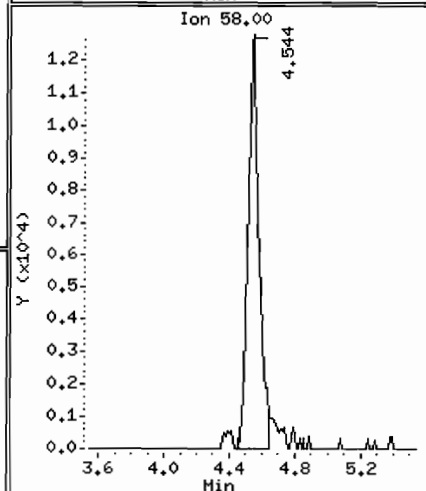
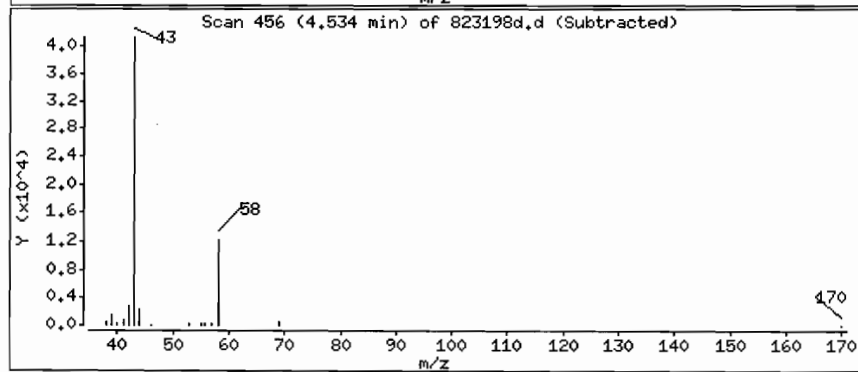
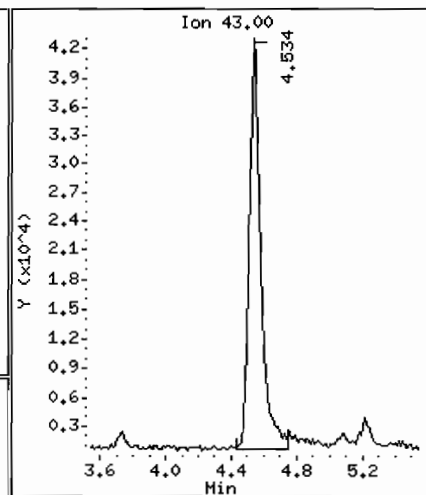
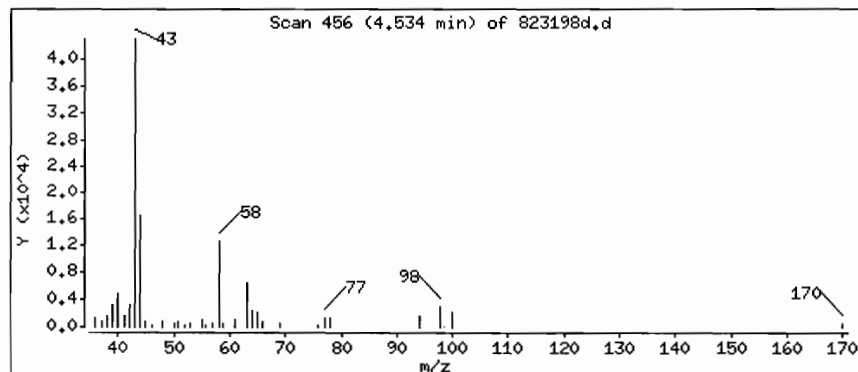
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 52 ug/L



Data File: /chem/M.i/Hsvr.p/mbeesmr.b/823198d.d

Page 7

Date : 21-MAR-2010 18:14

Client ID: D31.75MEDDL

Instrument: M.i

Sample Info: D=3 1.75% MEDIUM ;[103/17/10 @1530(WATER)

Purge Volume: 25.0

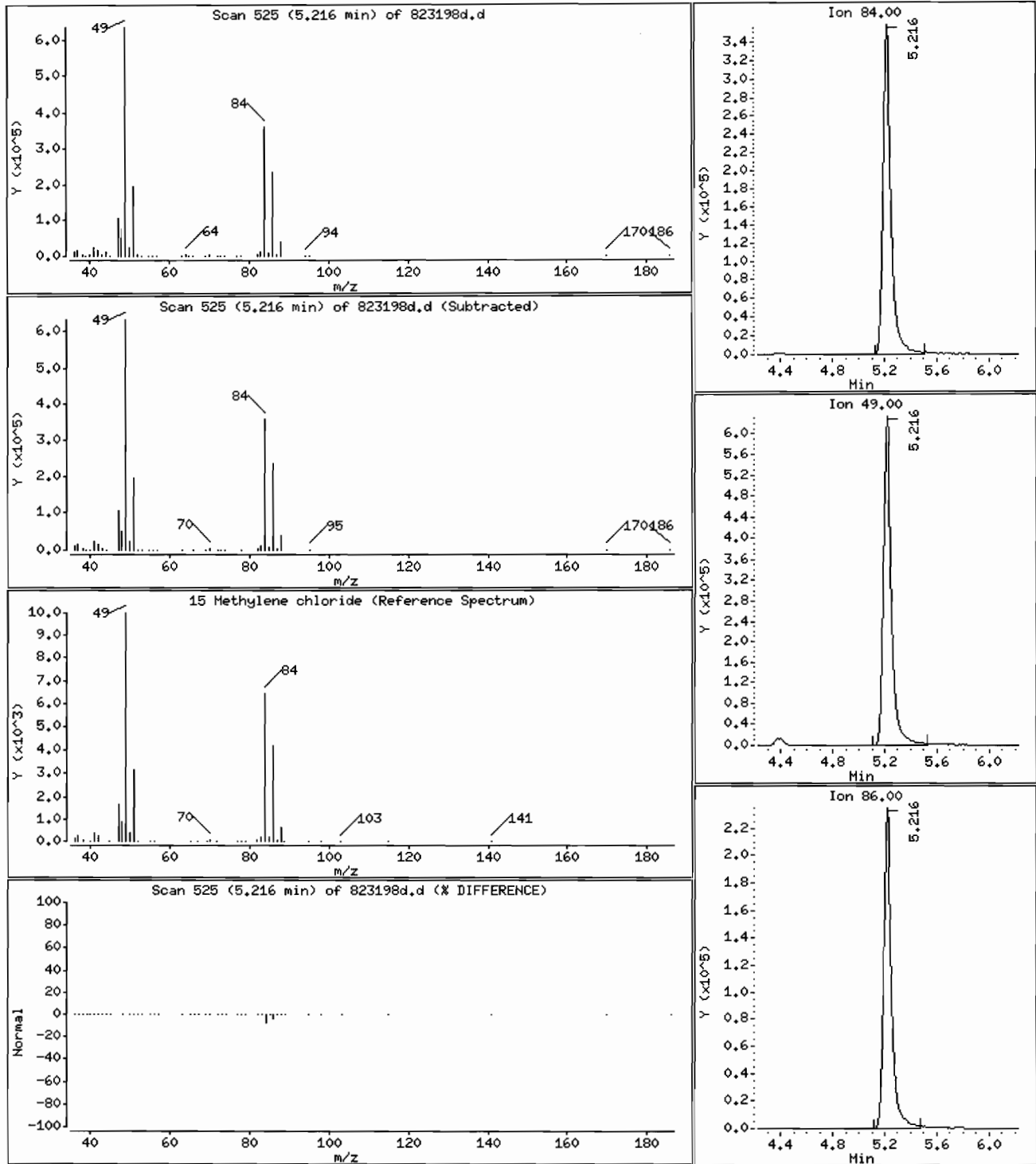
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 21 ug/L



Data File: /chem/M.i/Hsvr.p/mbesmr.b/823198d.d

Page 8

Date : 21-MAR-2010 18:14

Client ID: D31.75MEDDL

Instrument: M.i

Sample Info: D=3 1.75% MEDIUM ;[103/17/10 @1530(WATER)

Purge Volume: 25.0

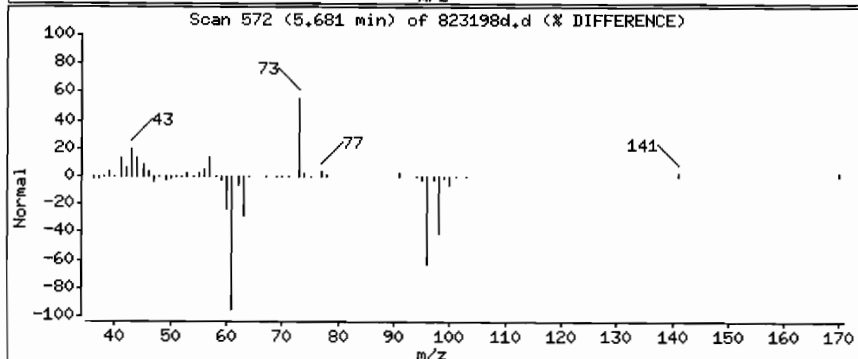
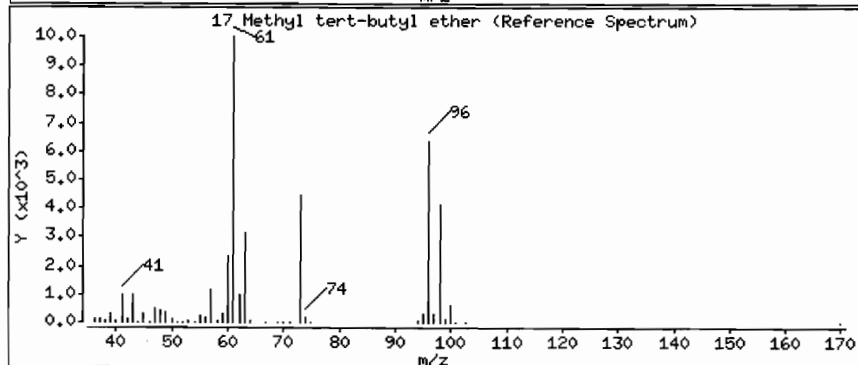
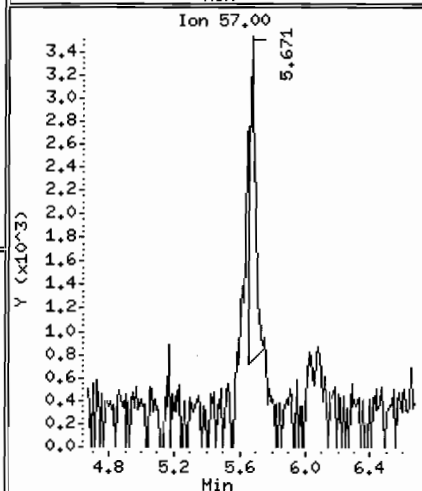
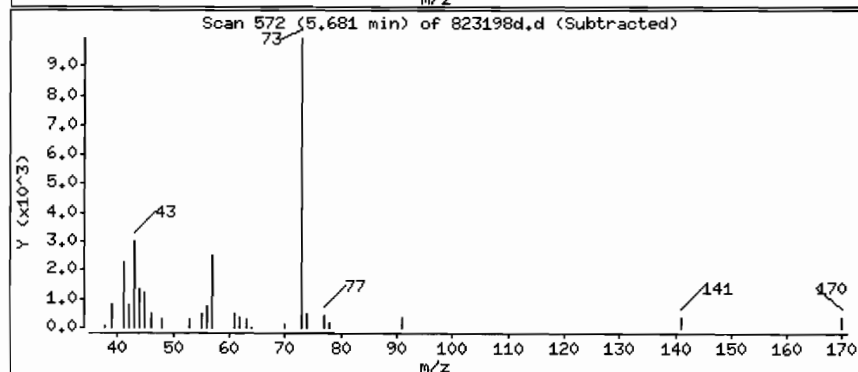
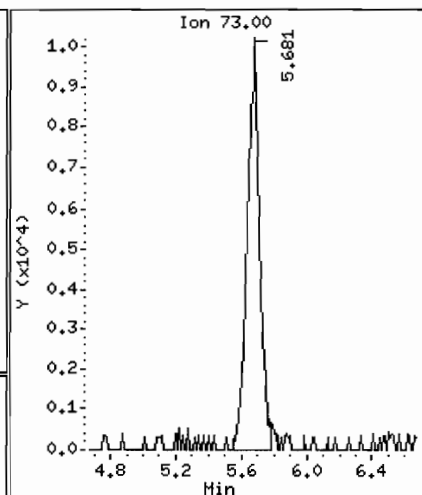
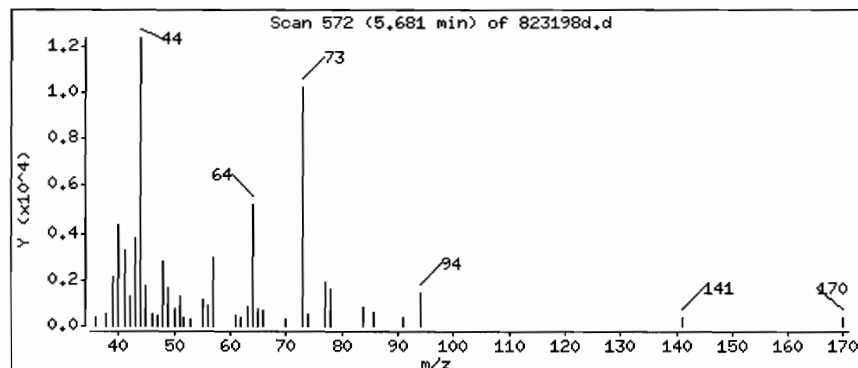
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.61 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmr.b/823198d.d

Page 9

Date : 21-MAR-2010 18:14

Client ID: D31.75MEDDL

Instrument: M.i

Sample Info: D=3 1.75% MEDIUM :[103/17/10 @1530(WATER)

Purge Volume: 25.0

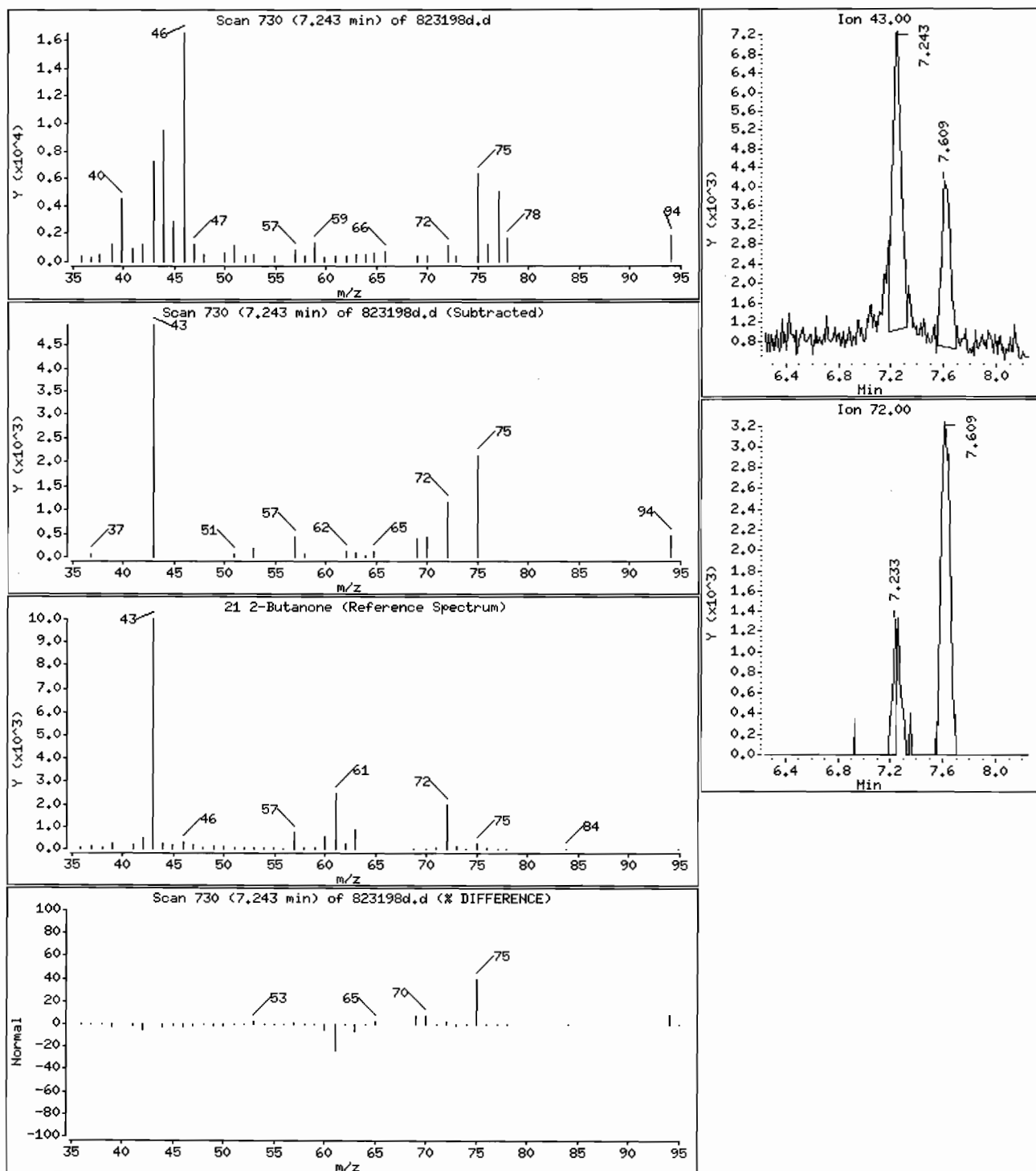
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 4.1 ug/L



Data File: /chem/M.i/Hsvr.p/mbeesmr.b/823198d.d

Page 10

Date : 21-MAR-2010 18:14

Client ID: D31.75MEDDL

Instrument: M.i

Sample Info: D=3 1.75% MEDIUM ;[103/17/10 @1530(WATER)

Purge Volume: 25.0

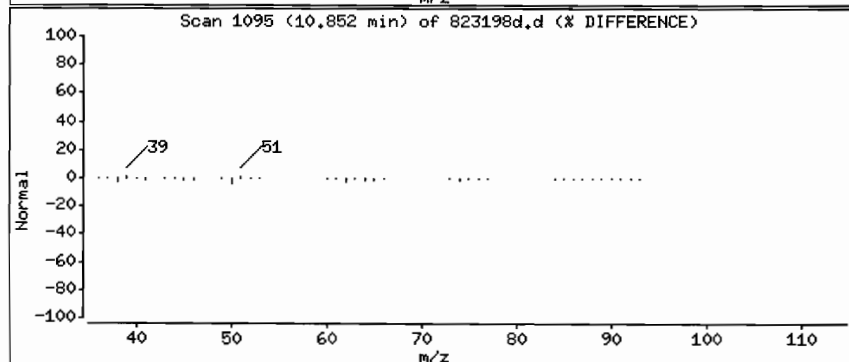
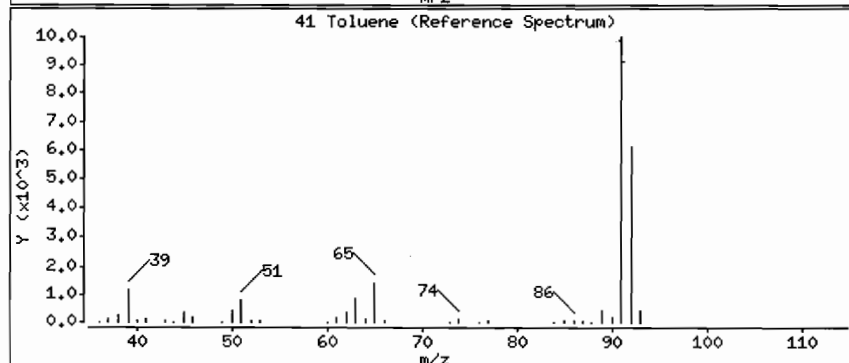
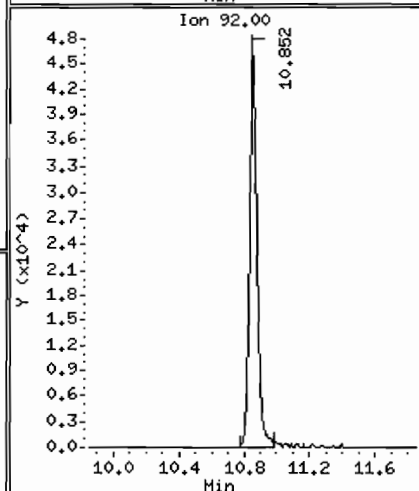
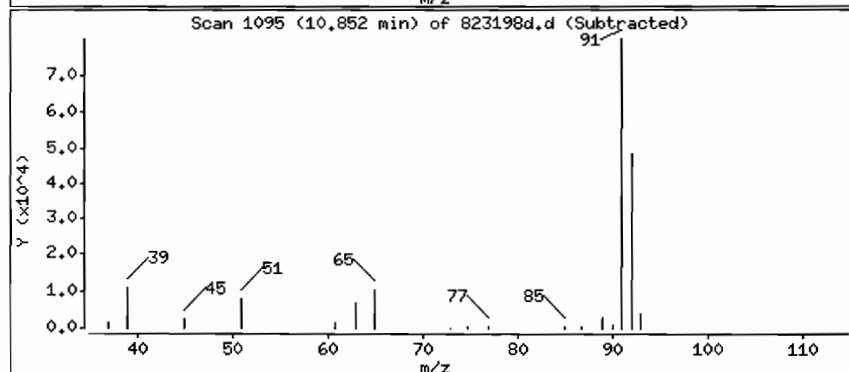
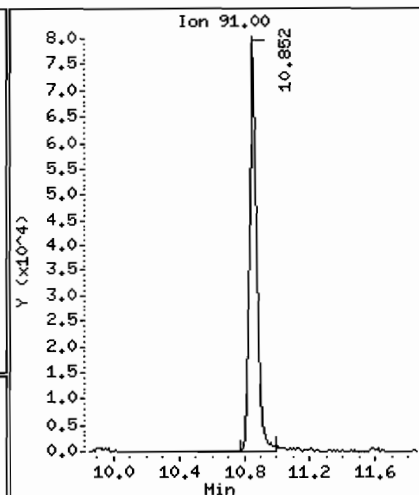
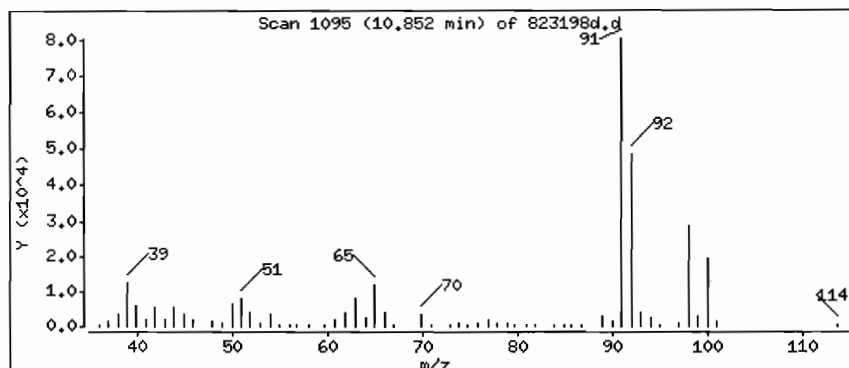
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.75 ug/L



Data File: /chem/M.i/Hsvr.p/mbeesmr.b/823198d.d

Page 11

Date : 21-MAR-2010 18:14

Client ID: D31.75MEDDL

Instrument: M.i

Sample Info: D=3 1.75% MEDIUM :[103/17/10 @1530(WATER)

Purge Volume: 25.0

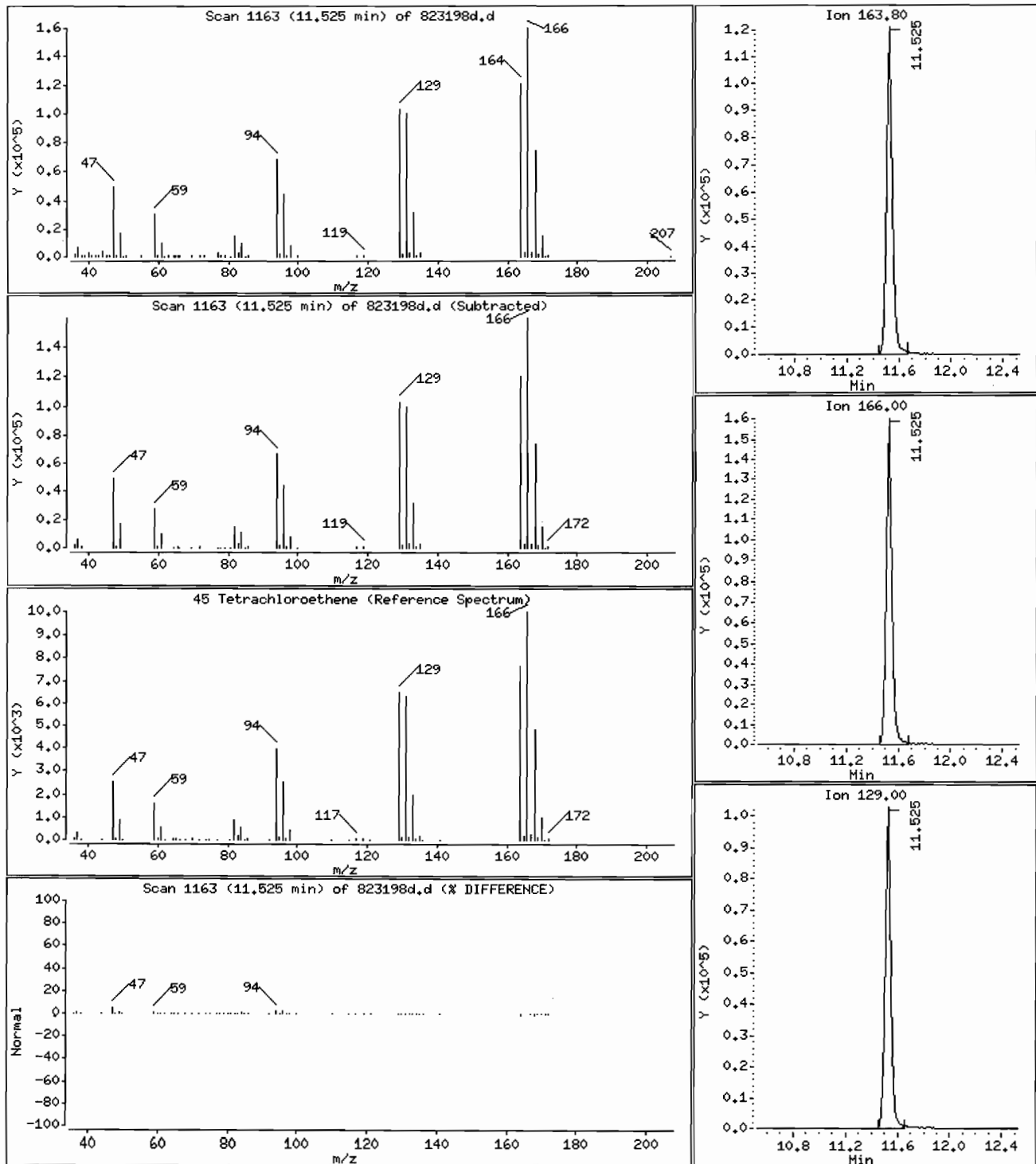
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 2.7 ug/L



Date : 21-MAR-2010 18:14

Client ID: D31.75MEDDL

Instrument: M.i

Sample Info: D=3 1.75% MEDIUM :[103/17/10 @1530(WATER)

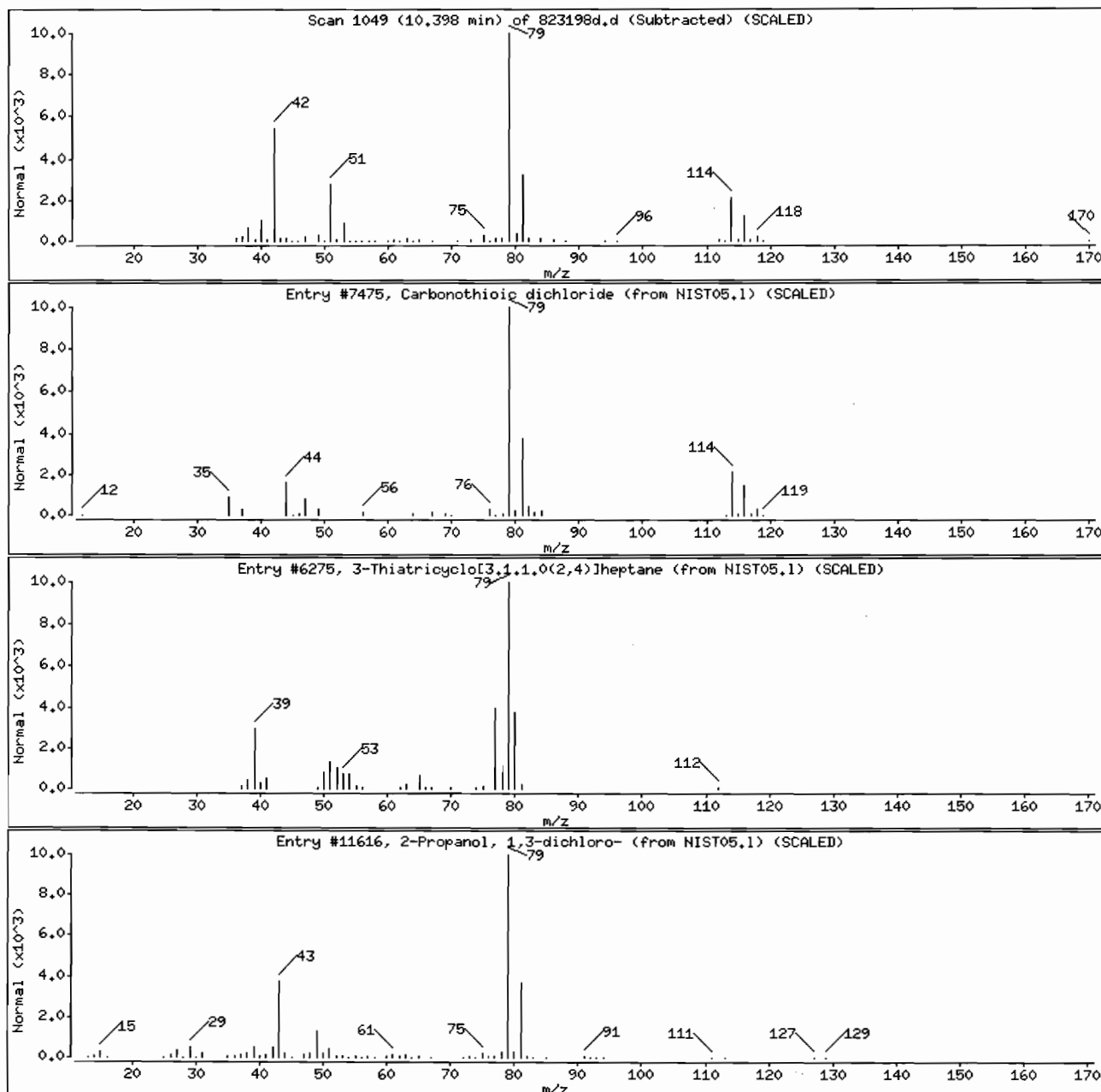
Purge Volume: 25.0

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	50	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D32.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823201

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823201D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 1.6

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	0.80	U
74-87-3	Chloromethane	0.80	U
75-01-4	Vinyl chloride	0.80	U
74-83-9	Bromomethane	0.80	U
75-00-3	Chloroethane	0.80	U
75-69-4	Trichlorofluoromethane	0.80	U
75-35-4	1,1-Dichloroethene	0.80	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.80	U
67-64-1	Acetone	52	
75-15-0	Carbon disulfide	0.80	U
79-20-9	Methyl acetate	0.80	U
75-09-2	Methylene chloride	20	
156-60-5	trans-1,2-Dichloroethene	0.80	U
1634-04-4	Methyl tert-butyl ether	0.54	J
75-34-3	1,1-Dichloroethane	0.80	U
156-59-2	cis-1,2-Dichloroethene	0.80	U
78-93-3	2-Butanone	4.4	J
74-97-5	Bromochloromethane	0.80	U
67-66-3	Chloroform	0.80	U
71-55-6	1,1,1-Trichloroethane	0.80	U
110-82-7	Cyclohexane	0.80	U
56-23-5	Carbon tetrachloride	0.80	U
71-43-2	Benzene	0.80	U
107-06-2	1,2-Dichloroethane	0.80	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.

D32.0HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823201

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823201D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/22/2010

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

Dilution Factor: 1.6

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	0.80	U
108-87-2	Methylcyclohexane	0.80	U
78-87-5	1,2-Dichloropropane	0.80	U
75-27-4	Bromodichloromethane	0.80	U
10061-01-5	cis-1,3-Dichloropropene	0.80	U
108-10-1	4-Methyl-2-pentanone	8.0	U
108-88-3	Toluene	0.77	J
10061-02-6	trans-1,3-Dichloropropene	0.80	U
79-00-5	1,1,2-Trichloroethane	0.80	U
127-18-4	Tetrachloroethene	0.63	J
591-78-6	2-Hexanone	8.0	U
124-48-1	Dibromochloromethane	0.80	U
106-93-4	1,2-Dibromoethane	0.80	U
108-90-7	Chlorobenzene	0.80	U
100-41-4	Ethylbenzene	0.80	U
95-47-6	o-Xylene	0.80	U
179601-23-1	m,p-Xylene	0.80	U
100-42-5	Styrene	0.80	U
75-25-2	Bromoform	0.80	U
98-82-8	Isopropylbenzene	0.80	U
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U
541-73-1	1,3-Dichlorobenzene	0.80	U
106-46-7	1,4-Dichlorobenzene	0.80	U
95-50-1	1,2-Dichlorobenzene	0.80	U
96-12-8	1,2-Dibromo-3-chloropropane	0.80	U
120-82-1	1,2,4-Trichlorobenzene	0.80	U
87-61-6	1,2,3-Trichlorobenzene	0.80	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D32.0HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823201
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823201D
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/22/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.6
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

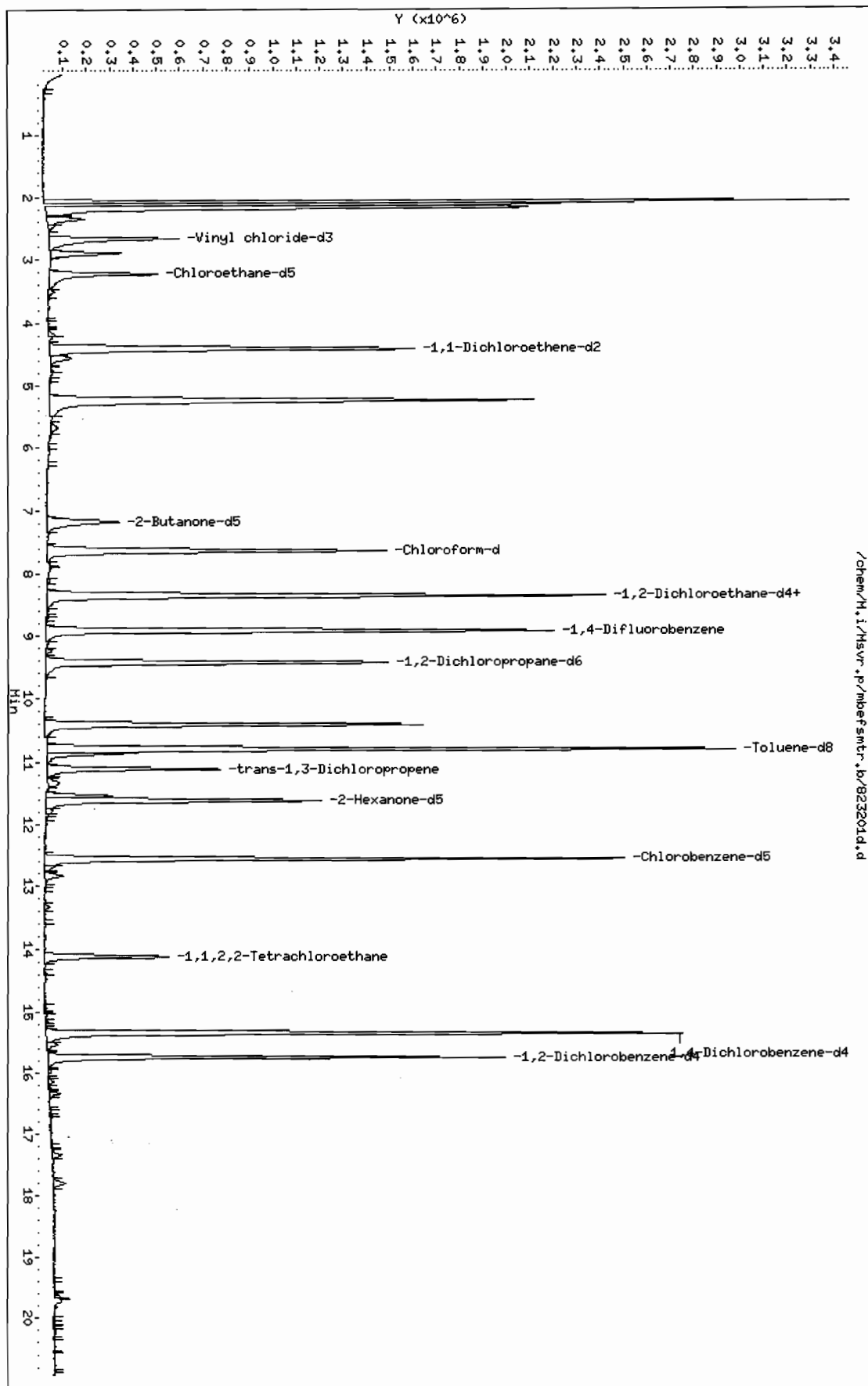
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	420-56-4	Trimethylsilyl fluoride	2.90	1.1	NJ
02		Unknown	10.40	5.6	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsyr.p/mbe/smr.b/823201d.d
 Date: 22-MAR-2010 11:59
 Client ID: D32.0HIGH
 Sample Info: D=3 2.0% HIGH : [103/17/10 01550(WATER)]
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: H.i
 Operator: MKV
 Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823201d.d
Report Date: 25-Mar-2010 10:50

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823201d.d
Lab Smp Id: 823201 Client Smp ID: D32.0HIGH
Inj Date : 22-MAR-2010 11:59
Operator : MRV Inst ID: M.i
Smp Info : D=3 2.0% HIGH : [] 03/17/10 @1550(WATER)
Misc Info : 823201,032210MP,1.6,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:40 jd1 Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 9
Dil Factor: 1.60000
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	1.60000	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	2.659	2.658	(0.298)	1346960	5.38985	5.4
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.222	3.222	(0.362)	1123117	5.36916	5.4
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.399	4.398	(0.494)	2650041	4.42791	4.4
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43	4.547	4.556	(0.510)	276396	32.7745	52
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.229	5.219	(0.587)	1886267	12.3535	20
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	5.684	5.684	(0.638)	61091	0.33552	0.54(a)
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	7.158	7.167	(0.804)	917018	56.8823	57
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	7.247	7.256	(0.814)	41309	2.72902	4.4(a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	7.622	7.622	(0.856)	2287803	5.31862	5.3(Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.334	8.334	(0.936)	639451	5.65507	5.7(Q)
\$ 29 Benzene-d6	84	8.344	8.344	(0.665)	3247332	4.97160	5.0
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.908	8.907	(1.000)	3189751	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	9.422	9.431	(0.751)	1433904	4.51929	4.5
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	10.777	10.776	(0.859)	3586784	5.04205	5.0
41 Toluene	91	10.856	10.855	(0.865)	351813	0.48205	0.77(a)
\$ 42 trans-1,3-Dichloropropene-d4	79	11.103	11.102	(0.885)	767494	4.61421	4.6
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	11.538	11.538	(0.920)	123193	0.39408	0.63(a)
\$ 46 2-Hexanone-d5	63	11.607	11.607	(0.925)	943206	48.0698	48
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	12.547	12.556	(1.000)	2549304	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.109	14.118	(1.125)	547899	4.55158	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	15.335	15.345	(1.000)	1280376	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	15.741	15.740	(1.026)	920274	4.36018	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823201d.d
Report Date: 25-Mar-2010 10:50

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/823201d.d
Lab Smp Id: 823201 Client Smp ID: D32.0HIGH
Inj Date : 22-MAR-2010 11:59
Operator : MRV Inst ID: M.i
Smp Info : D=3 2.0% HIGH :[]03/17/10 @1550(WATER)
Misc Info : 823201,032210MP,1.6,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:40 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 9
Dil Factor: 1.60000
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	1.60000	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	8.908	8086855	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride							
2.896	1069806	0.66144714	1.1	91	NIST05.1	2373	32
Unknown							
10.401	5700321	3.52443584	5.6	0		0	32

Data File: /chem/M.i/Hsvr.p/mbebsmtr.b/823201d.d

Page 6

Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH ;I 103/17/10 @1550(WATER)

Purge Volume: 25.0

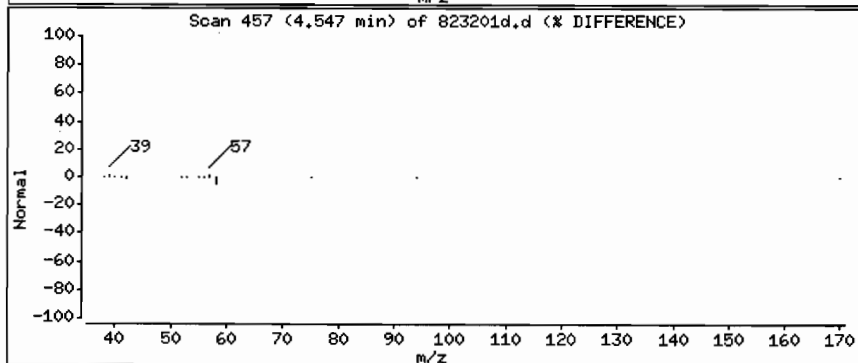
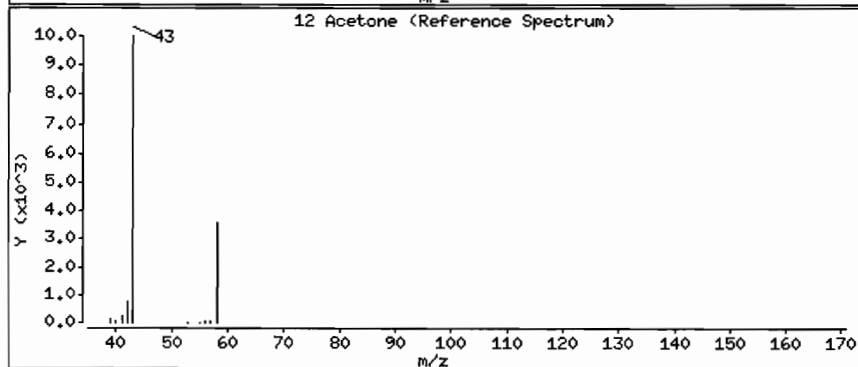
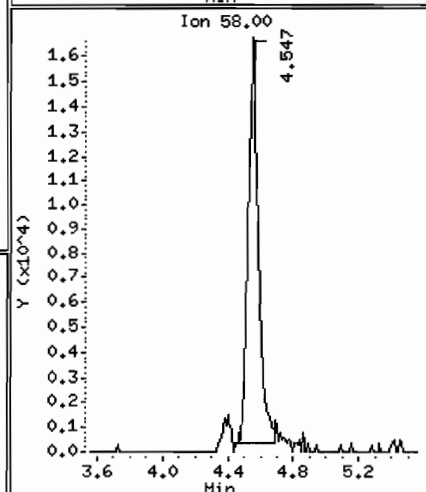
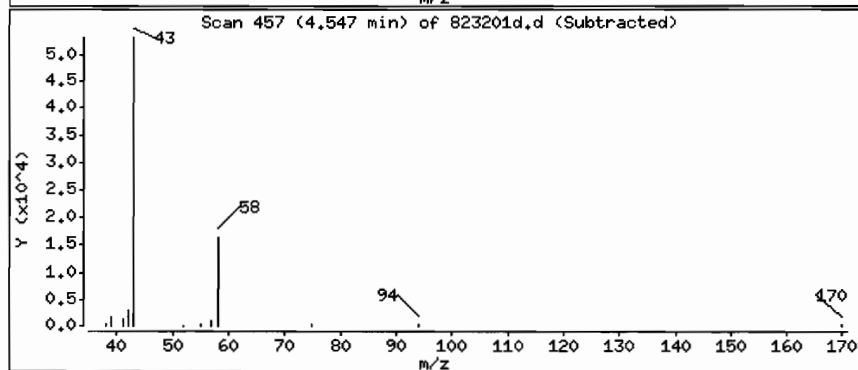
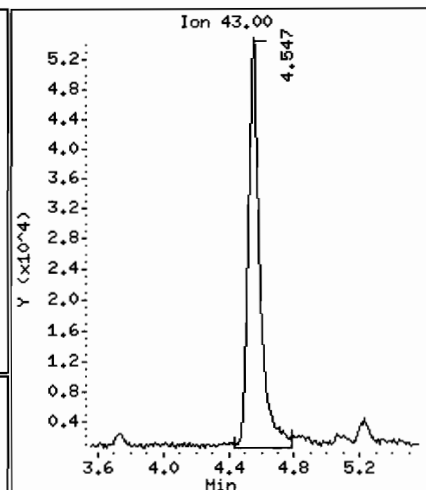
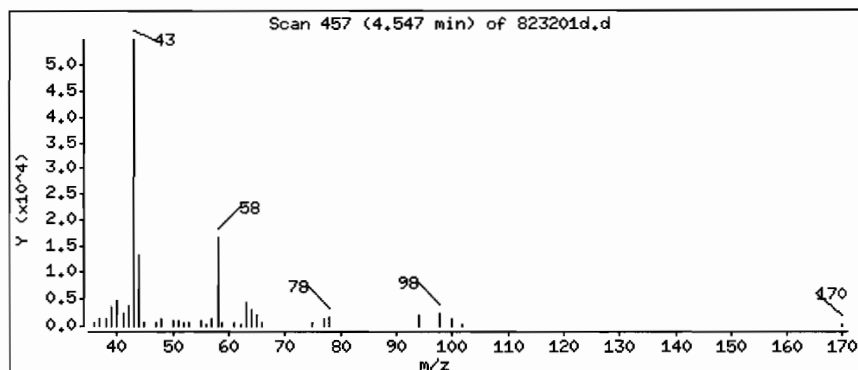
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 52 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823201d.d

Page 7

Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH :[103/17/10 @1550(WATER)

Purge Volume: 25.0

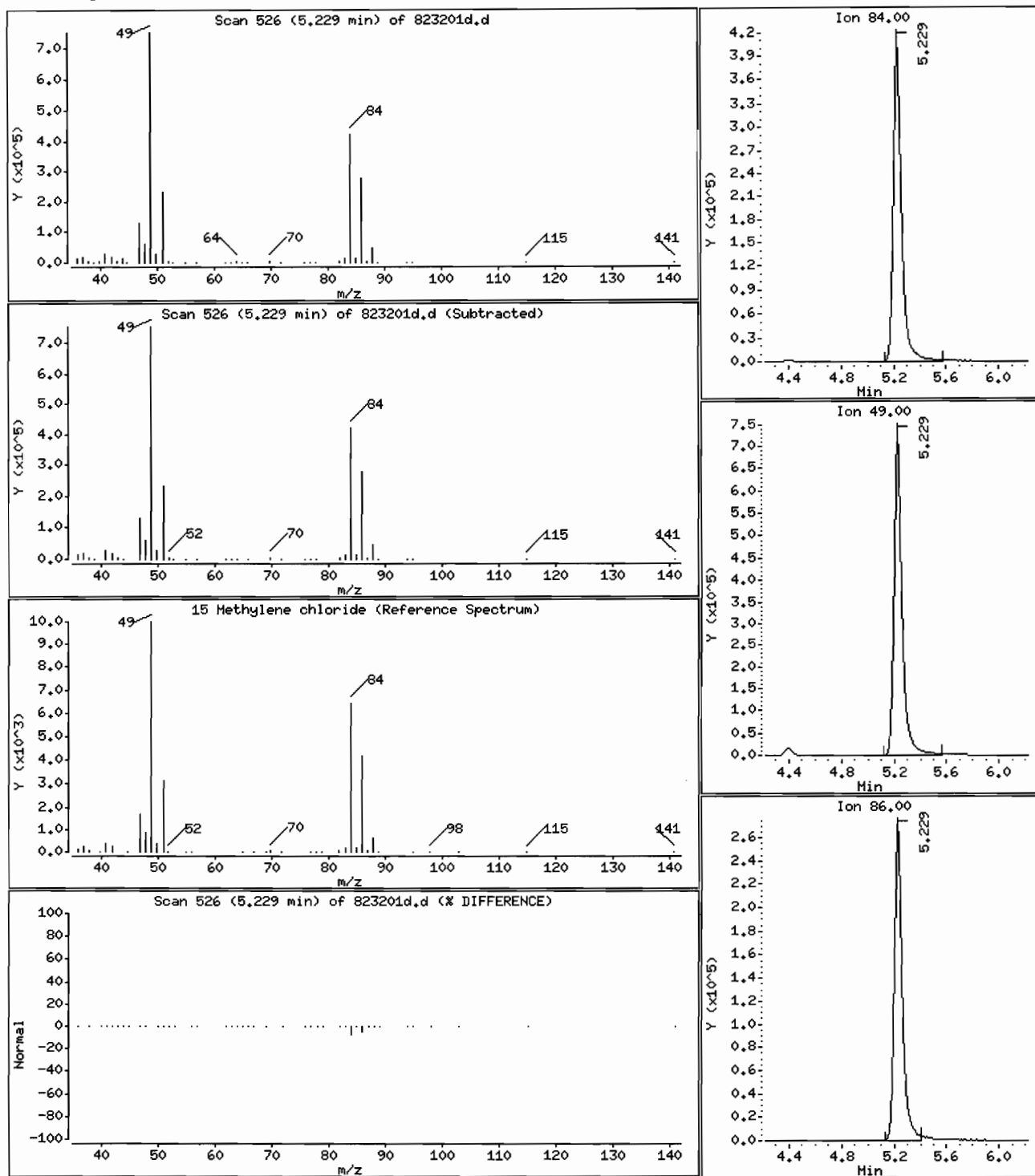
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 20 ug/L



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823201d.d

Page 8

Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH ;I 103/17/10 @1550(WATER)

Purge Volume: 25.0

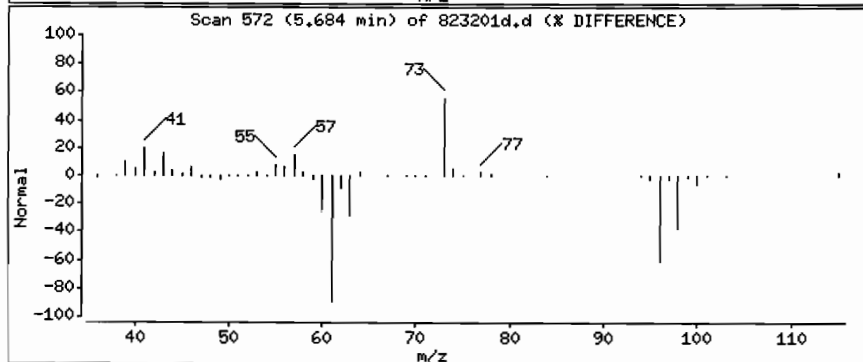
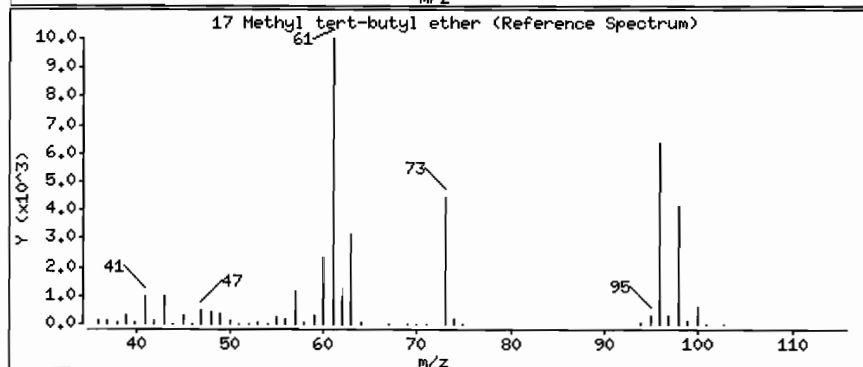
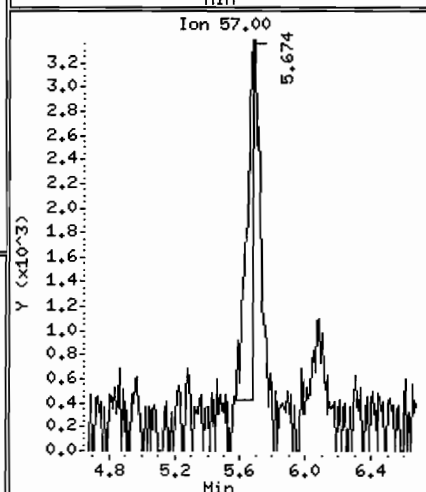
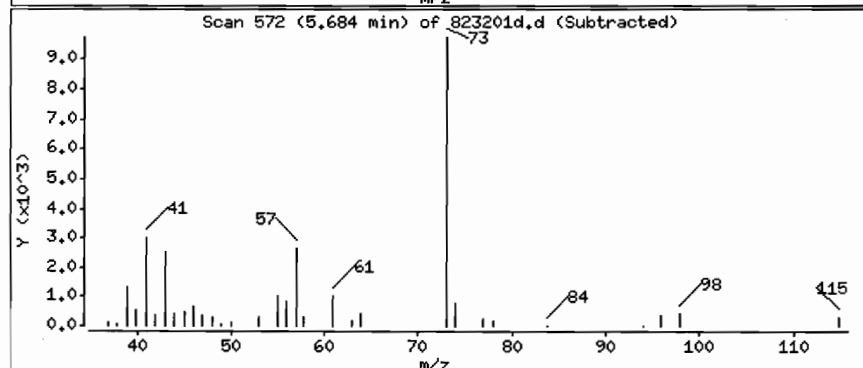
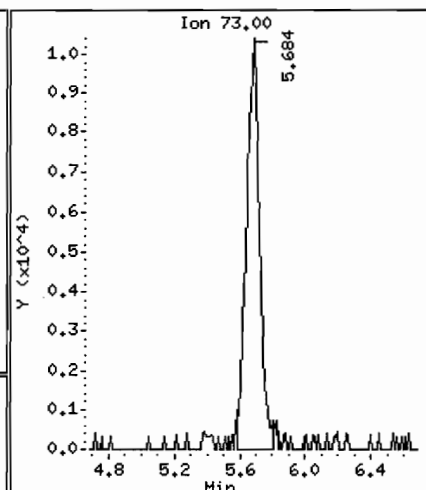
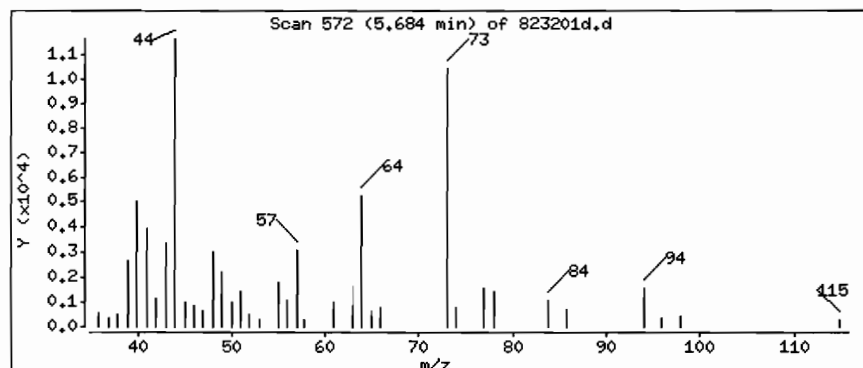
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.54 ug/L



Data File: /chem/M.i/Hsvr.p/mbefsmtr.b/823201d.d

Page 9

Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH ;[103/17/10 @1550(WATER)

Purge Volume: 25.0

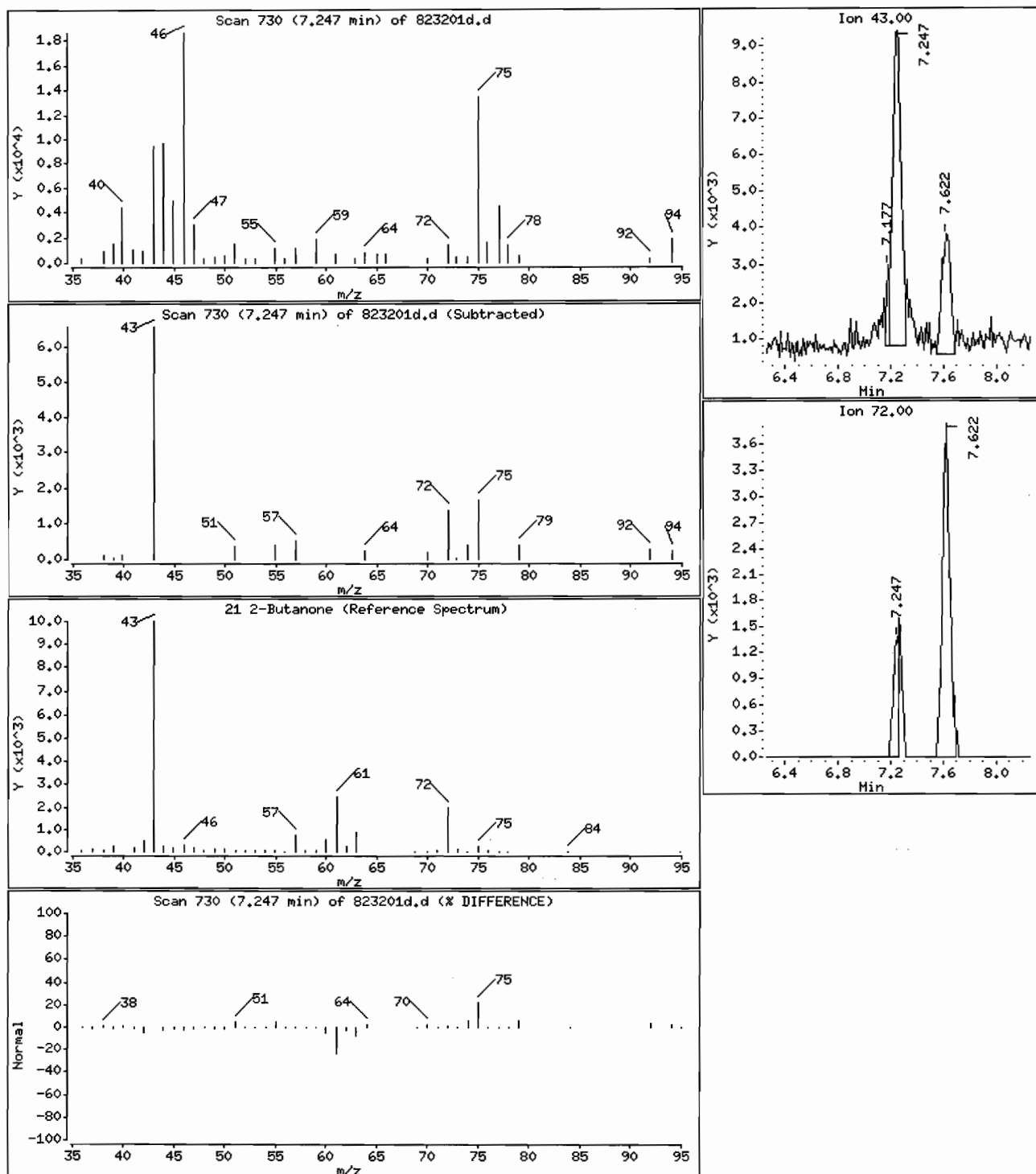
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 4.4 ug/L



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823201d.d

Page 10

Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH ;[103/17/10 @1550(WATER)

Purge Volume: 25.0

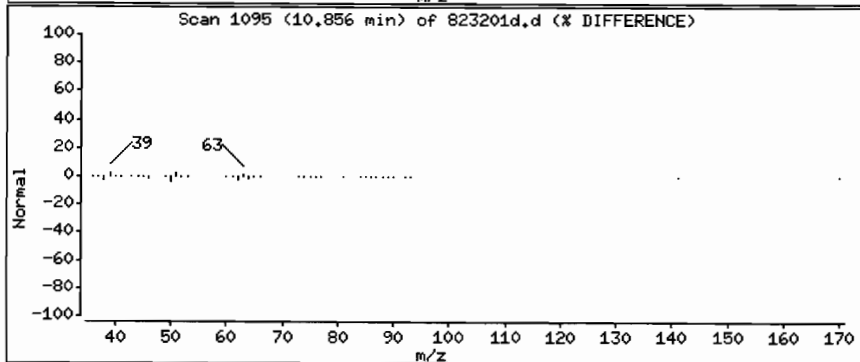
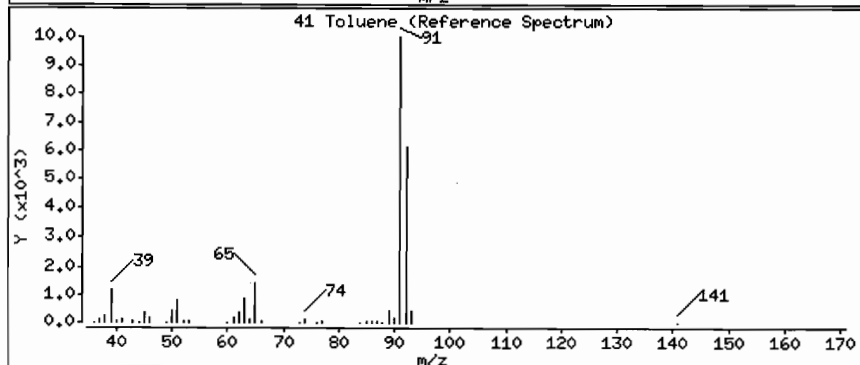
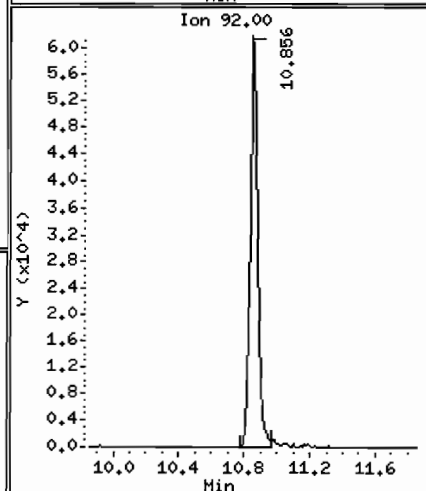
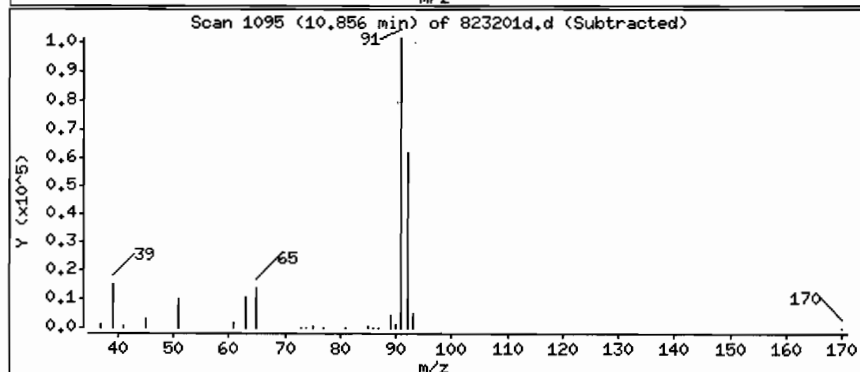
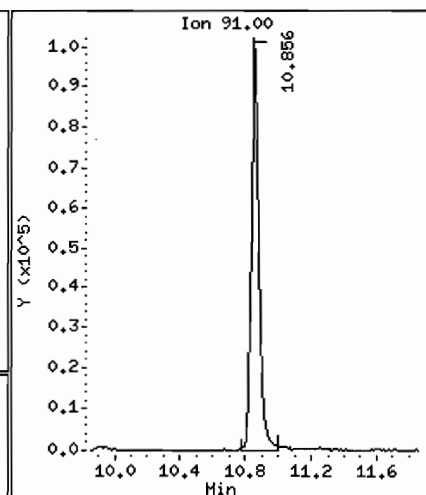
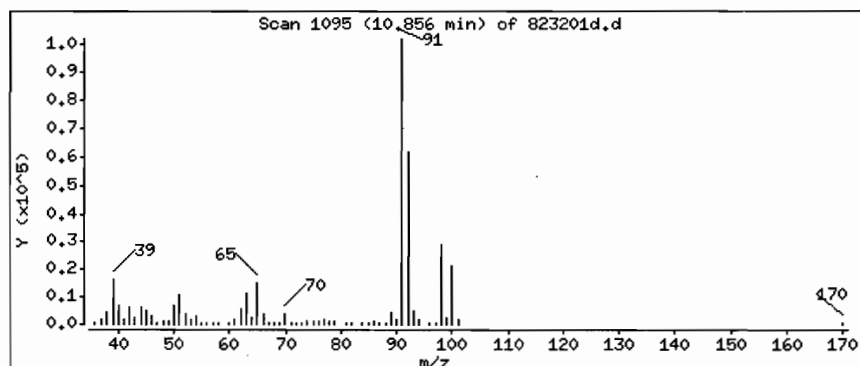
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.77 ug/L



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/823201d.d

Page 11

Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH ;[103/17/10 @1550(WATER)

Purge Volume: 25.0

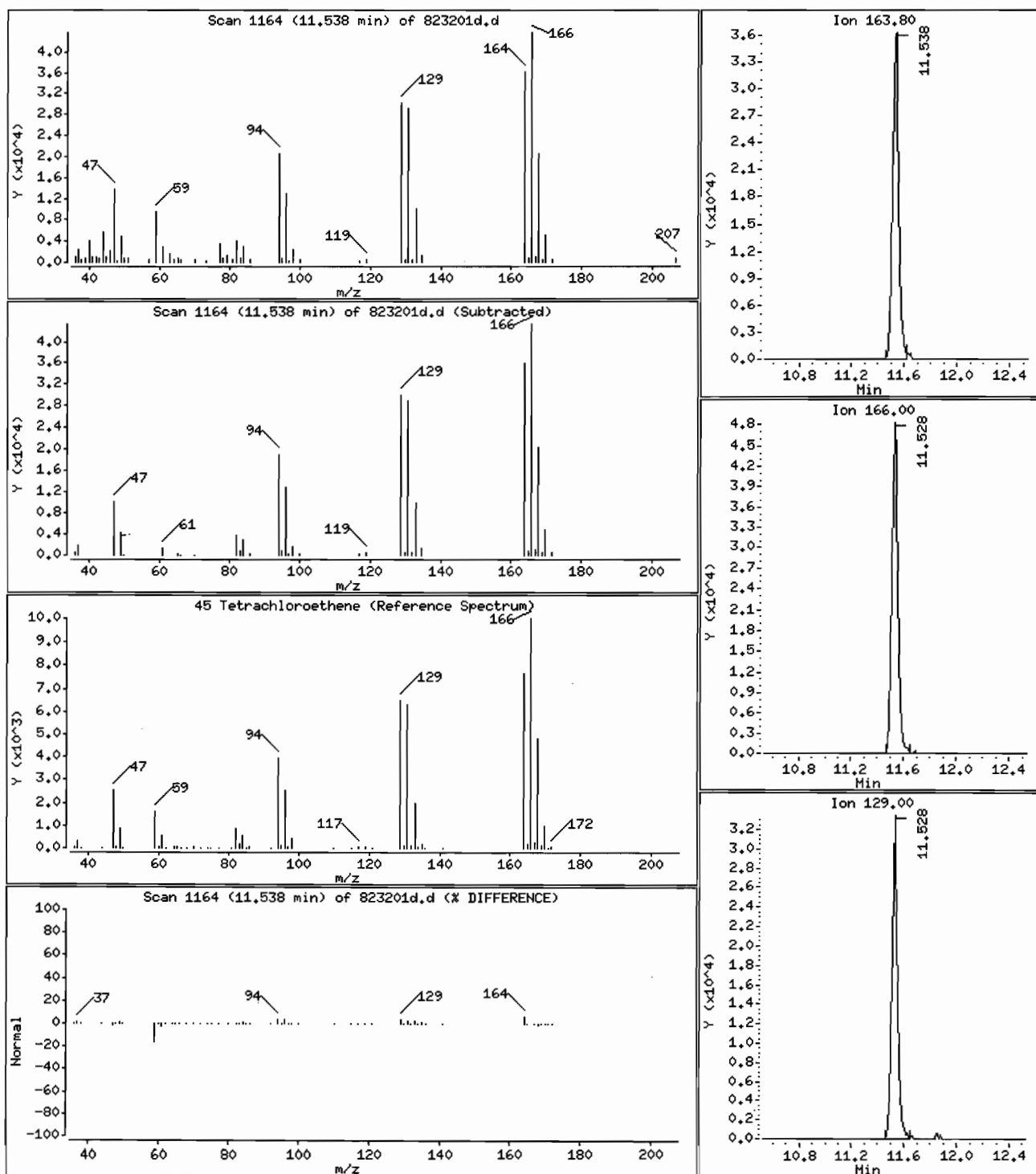
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 0.63 ug/L



Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH :[103/17/10 @1550(WATER)

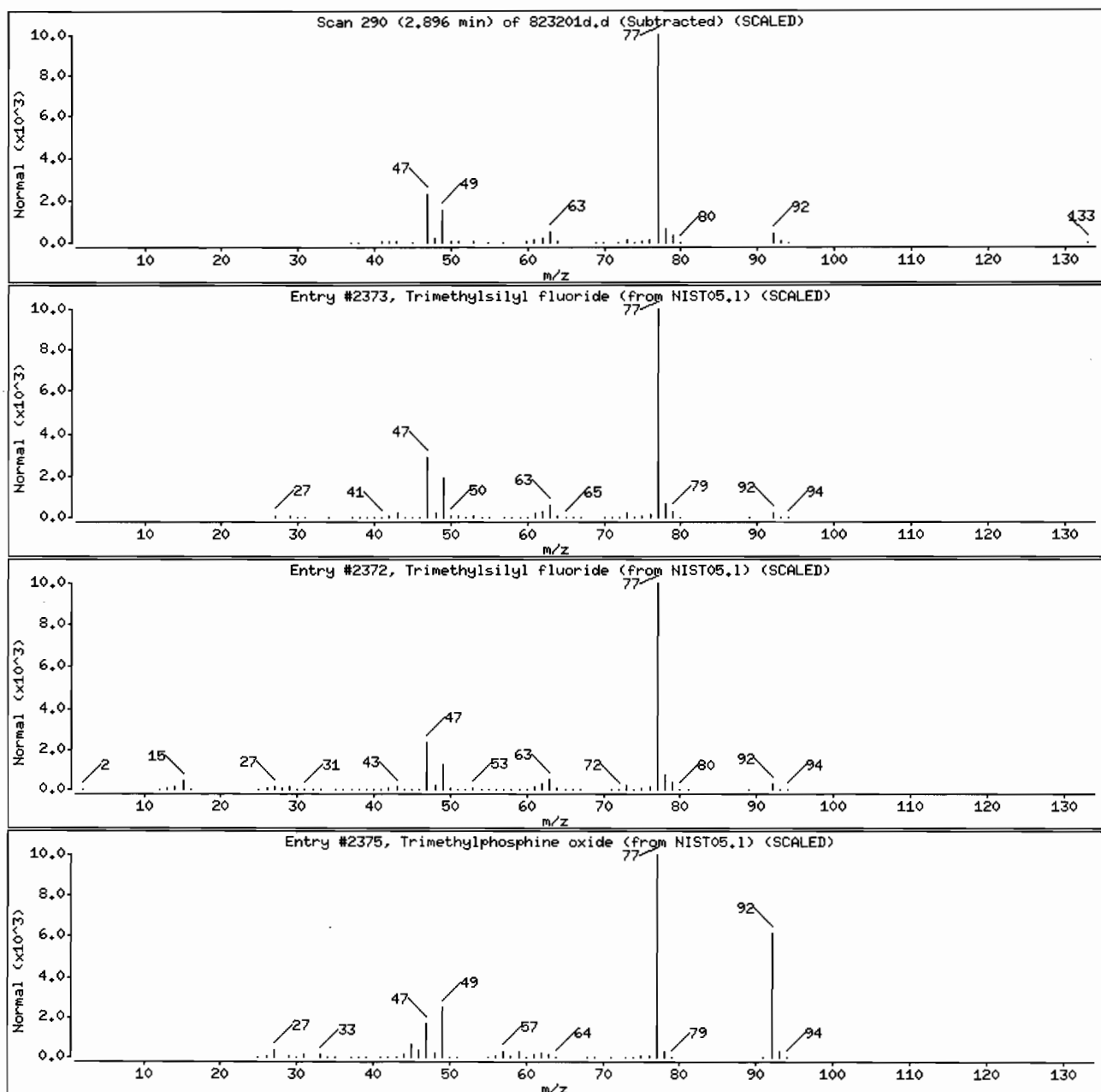
Purge Volume: 25.0

Operator: HRV

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	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	91	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	72	C3H9OP	92



Date : 22-MAR-2010 11:59

Client ID: D32.0HIGH

Instrument: M.i

Sample Info: D=3 2.0% HIGH :[103/17/10 @1550(WATER)

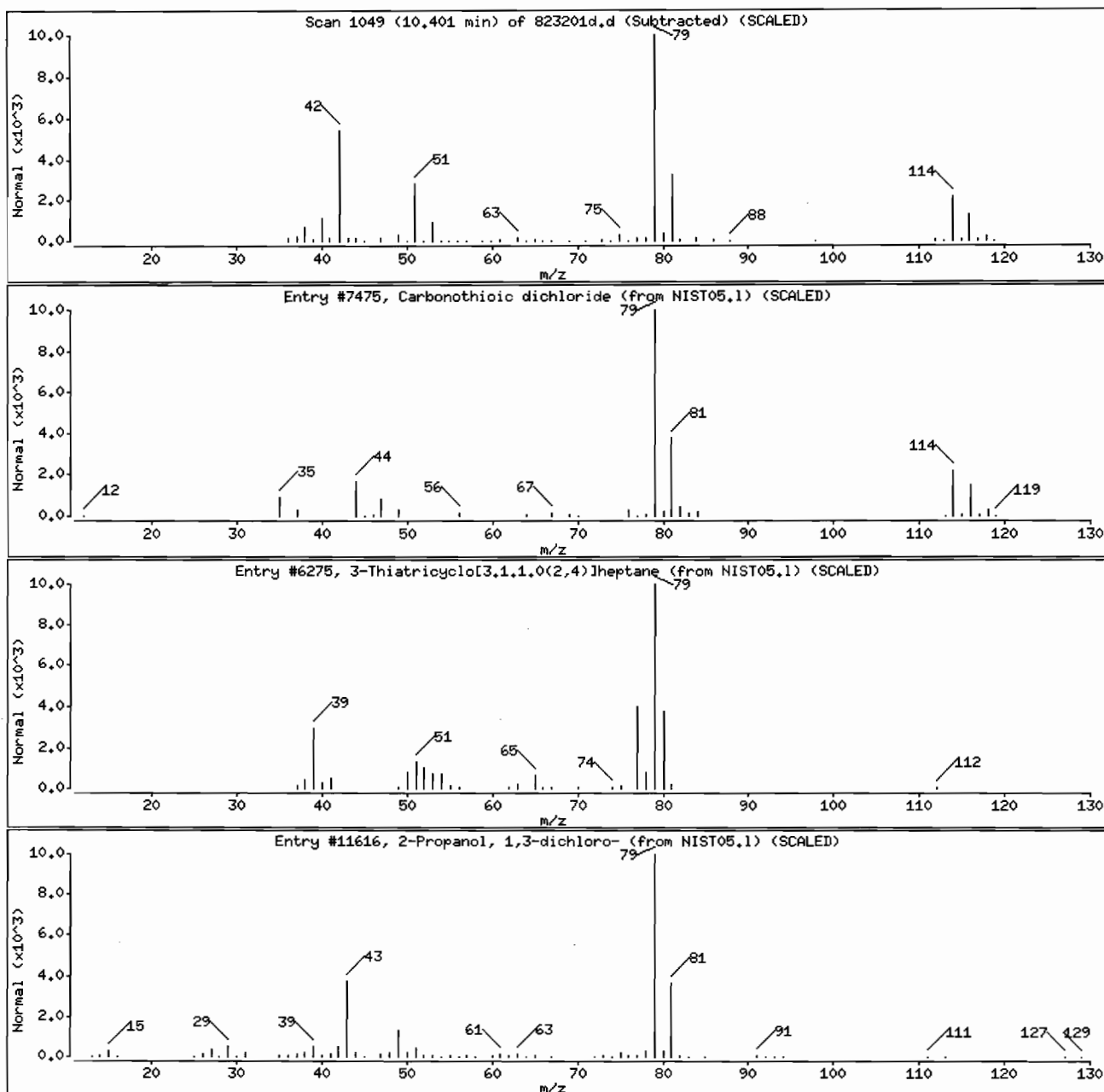
Purge Volume: 25.0

Operator: HRV

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	50	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
D32.0MED

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823200
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823200
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
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	38	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	18	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.64	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	2.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.26	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.
D32.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823200

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823200

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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	0.28	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	0.68	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.6	
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.

D32.0MED

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823200

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823200

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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)

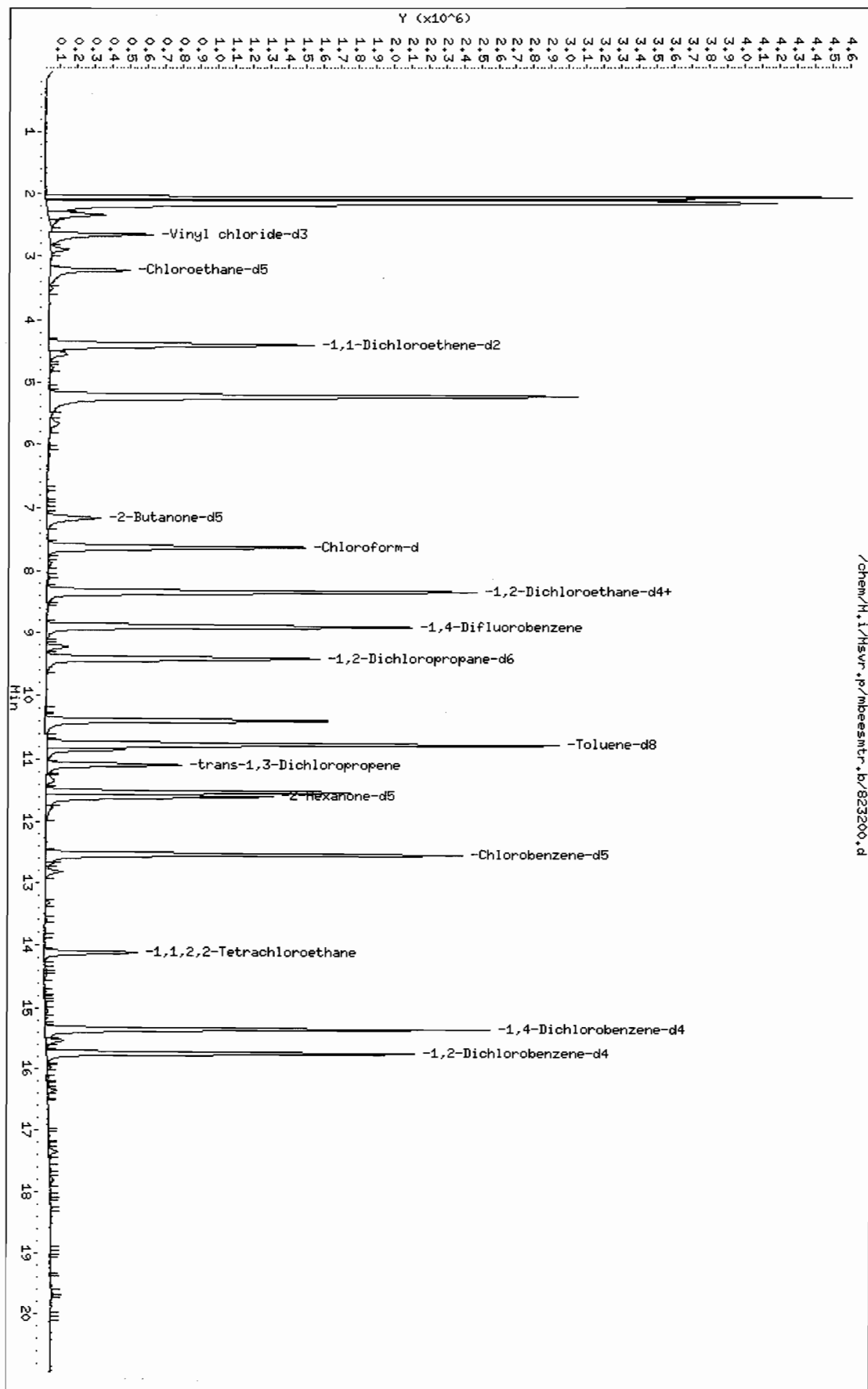
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.39	3.7	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsyr.p/mbeasmt.b/823200.d
Date: 21-MAR-2010 20:20
Client ID: D32.0HED
Sample Info: D=3 2.0% HEDUH : (103/17/10 01550(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823200.d
Lab Smp Id: 823200 Client Smp ID: D32.0MED
Inj Date : 21-MAR-2010 20:20
Operator : JP1 Inst ID: M.i
Smp Info : D=3 2.0% MEDIUM : [] 03/17/10 @1550(WATER)
Misc Info : 823200,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 14
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						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	MASS						(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.			
2 Chloromethane	50				Compound Not Detected.			
\$ 3 Vinyl chloride-d3	65	2.658	2.663	(0.298)	1301643	5.31789		5.3
4 Vinyl chloride	62				Compound Not Detected.			
5 Bromomethane	94				Compound Not Detected.			
\$ 6 Chloroethane-d5	69	3.222	3.216	(0.362)	1079629	5.26965		5.3
7 Chloroethane	64				Compound Not Detected.			
8 Trichlorofluoromethane	101				Compound Not Detected.			
\$ 9 1,1-Dichloroethene-d2	63	4.399	4.393	(0.494)	2608868	4.45065		4.5
10 1,1-Dichloroethene	96				Compound Not Detected.			
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.			
12 Acetone	43	4.537	4.541	(0.509)	311661	37.7322		38
13 Carbon disulfide	76				Compound Not Detected.			
14 Methyl acetate	43				Compound Not Detected.			

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
15 Methylene chloride	84		5.220	5.224	(0.586)		2731865	18.2672	18
16 trans-1,2-Dichloroethene	96						Compound Not Detected.		
17 Methyl tert-butyl ether	73		5.674	5.669	(0.637)		113700	0.63756	0.64
18 1,1-Dichloroethane	63						Compound Not Detected.		
\$ 19 2-Butanone-d5	46		7.158	7.152	(0.804)		930225	58.9132	59
20 cis-1,2-Dichloroethene	96						Compound Not Detected.		
21 2-Butanone	43		7.247	7.241	(0.814)		38312	2.58418	2.6 (a)
22 Bromochloromethane	128						Compound Not Detected.		
\$ 23 Chloroform-d	84		7.622	7.617	(0.856)		2312227	5.48828	5.5 (Q)
24 Chloroform	83		7.652	7.646	(0.859)		104343	0.25860	0.26 (aQ)
25 1,1,1-Trichloroethane	97						Compound Not Detected.		
26 Cyclohexane	56						Compound Not Detected.		
27 Carbon tetrachloride	117						Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65		8.324	8.329	(0.934)		665698	6.01082	6.0 (Q)
\$ 29 Benzene-d6	84		8.344	8.339	(0.665)		3325173	5.23891	5.2
30 Benzene	78						Compound Not Detected.		
31 1,2-Dichloroethane	62						Compound Not Detected.		
* 32 1,4-Difluorobenzene	114		8.908	8.902	(1.000)		3124146	5.00000	
33 Trichloroethene	95		9.244	9.238	(0.737)		85842	0.27523	0.28 (a)
\$ 34 1,2-Dichloropropane-d6	67		9.422	9.416	(0.751)		1492061	4.83942	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		10.767	10.771	(0.858)		3571742	5.16701	5.2
41 Toluene	91		10.856	10.850	(0.865)		480794	0.67794	0.68
\$ 42 trans-1,3-Dichloropropene-d4	79		11.093	11.088	(0.884)		784981	4.85666	4.9
43 trans-1,3-Dichloropropene	75						Compound Not Detected.		
44 1,1,2-Trichloroethane	97						Compound Not Detected.		
45 Tetrachloroethene	164		11.528	11.523	(0.919)		800732	2.63599	2.6
\$ 46 2-Hexanone-d5	63		11.597	11.592	(0.924)		986126	51.7196	52
47 2-Hexanone	43						Compound Not Detected.		
48 Dibromochloromethane	129						Compound Not Detected.		
49 1,2-Dibromoethane	107						Compound Not Detected.		
* 50 Chlorobenzene-d5	117		12.547	12.541	(1.000)		2477222	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	172						Compound Not Detected.		
57 Isopropylbenzene	105						Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84		14.109	14.103	(1.125)		579292	4.95240	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		15.325	15.330	(1.000)		1229925	5.00000	
62 1,4-Dichlorobenzene	146						Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.731	15.725	(1.026)	938813	4.63047		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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823200.d
Report Date: 25-Mar-2010 10:23

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823200.d
Lab Smp Id: 823200 Client Smp ID: D32.0MED
Inj Date : 21-MAR-2010 20:20
Operator : JPl Inst ID: M.i
Smp Info : D=3 2.0% MEDIUM :[]03/17/10 @1550(WATER)
Misc Info : 823200,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 14
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	8.908	7944578	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.391	5808188	3.65544097	3.7	0		0	32

Data File: /chem/M.i/Msivr.p/mbeesmtr.b/823200.d

Page 6

Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

Purge Volume: 25.0

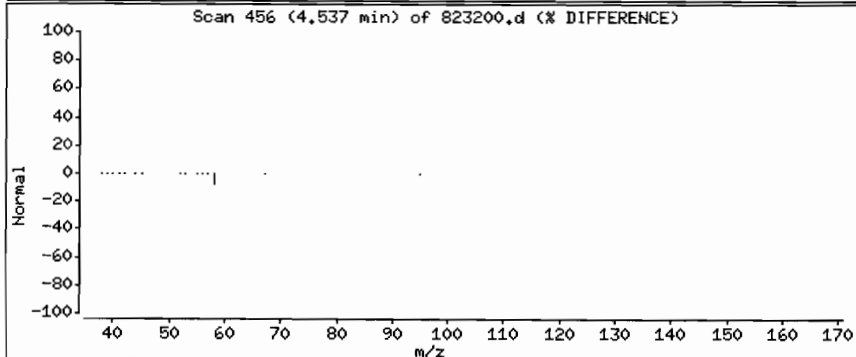
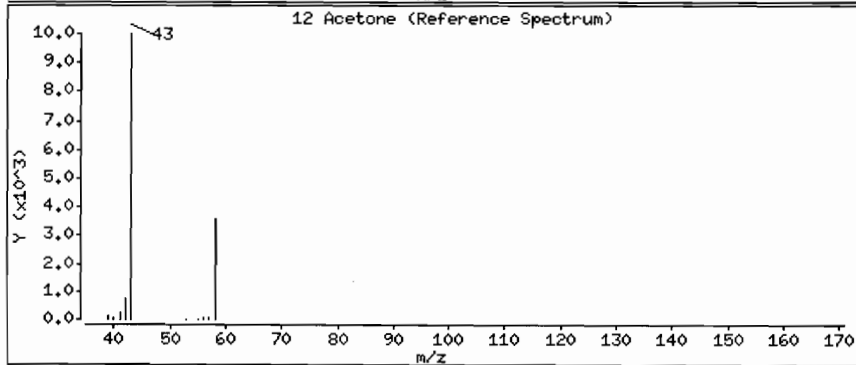
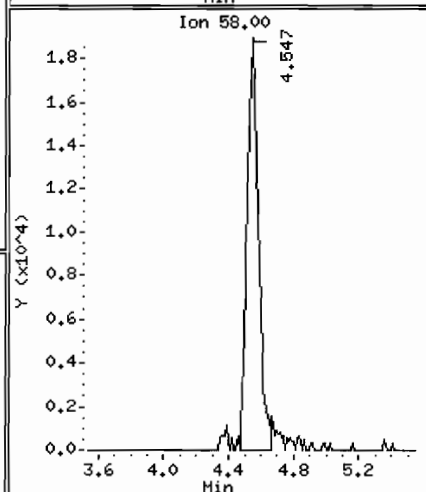
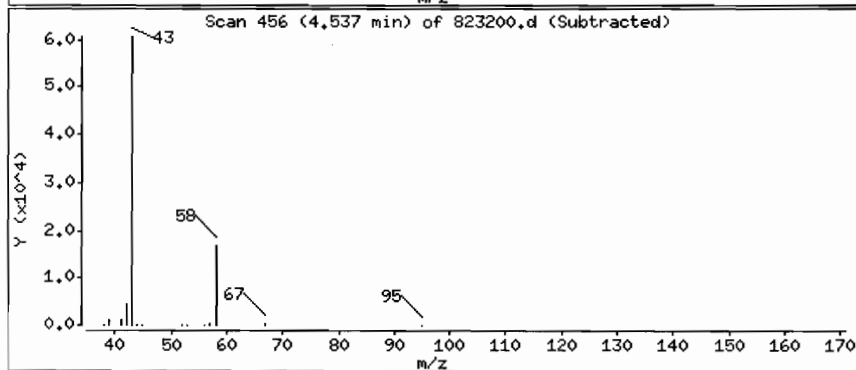
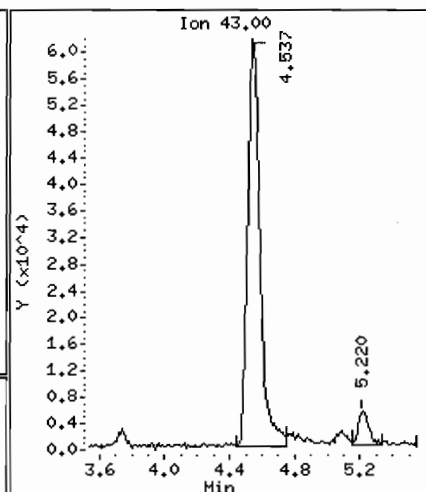
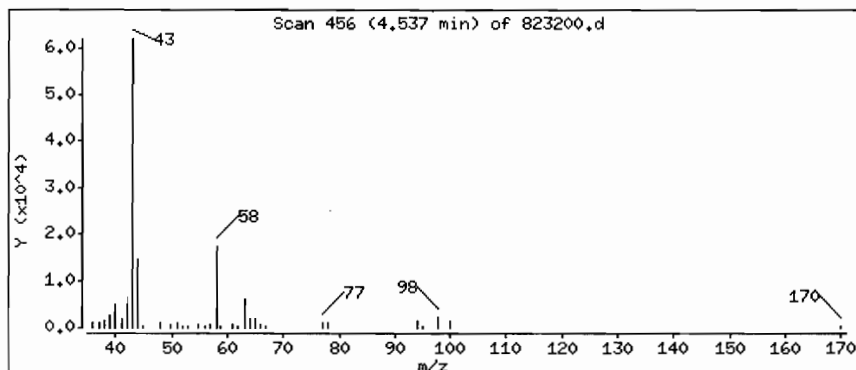
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 38 ug/L



Data File: /chem/M.i/Hsvr.p/mbesmr.b/823200.d

Page 7

Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

Purge Volume: 25.0

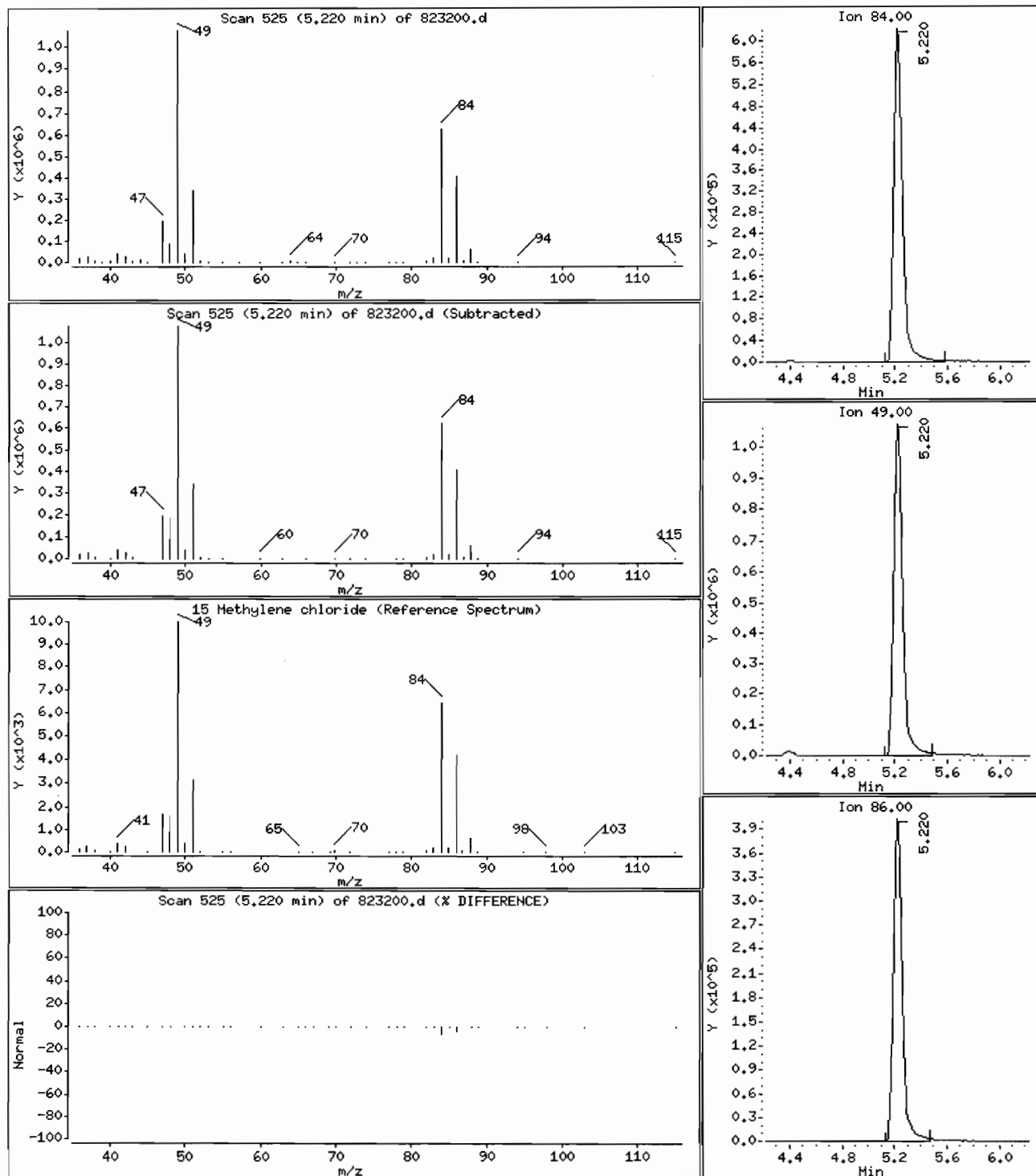
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 18 ug/L



Data File: /chem/H.i/Msvr.p/mbeesmr.b/823200.d

Page 8

Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

Purge Volume: 25.0

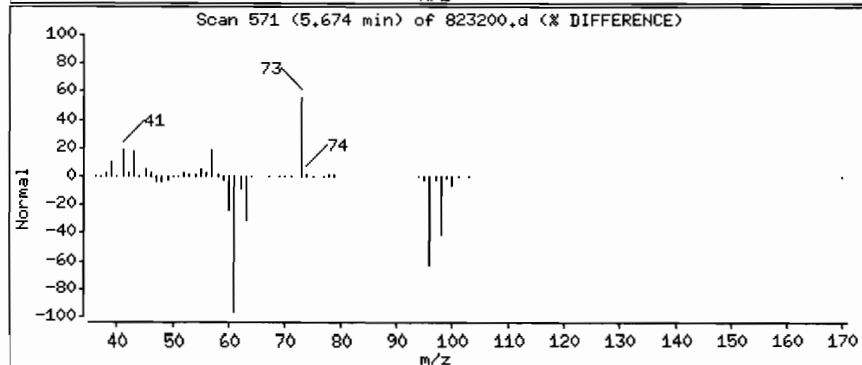
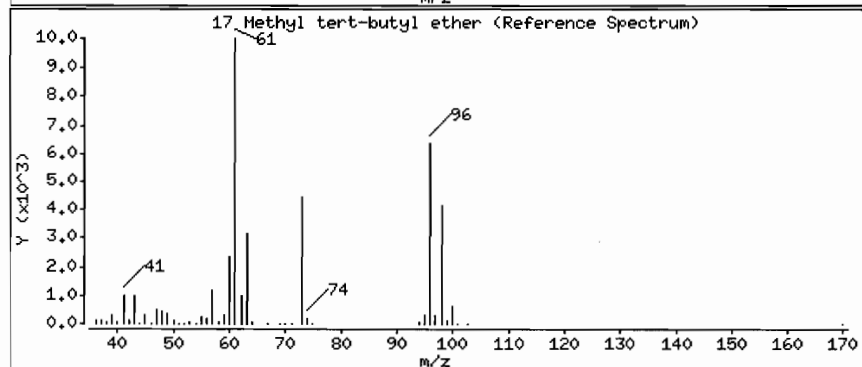
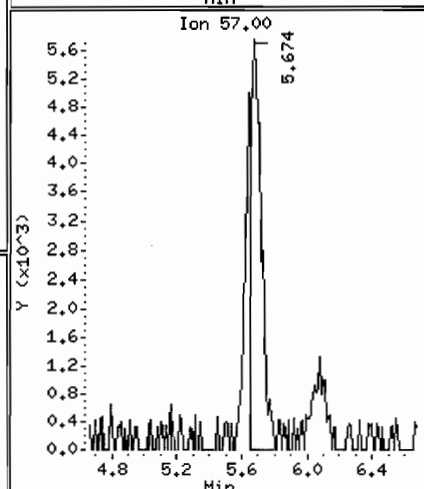
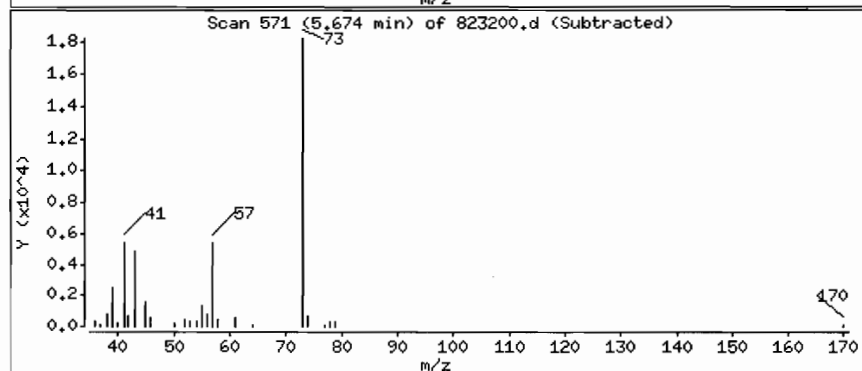
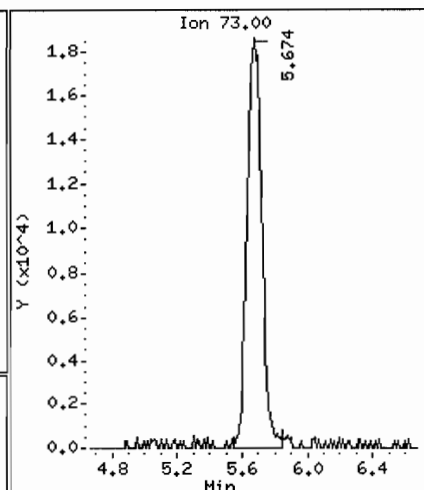
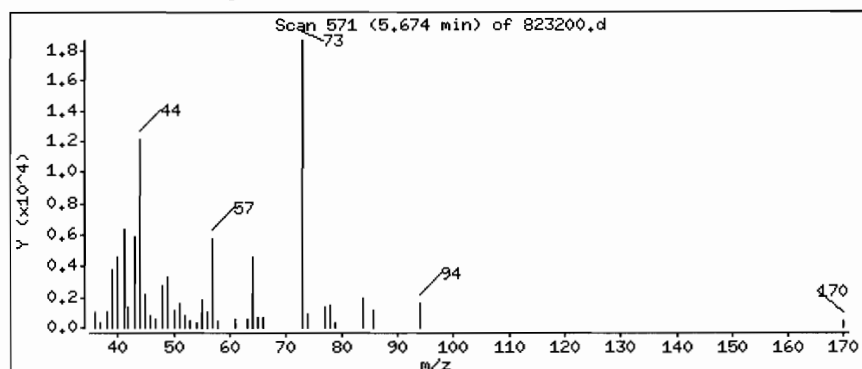
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.64 ug/L



Data File: /chem/H.i/Hsvr.p/mbeesmr.b/823200.d

Page 9

Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: H.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

Purge Volume: 25.0

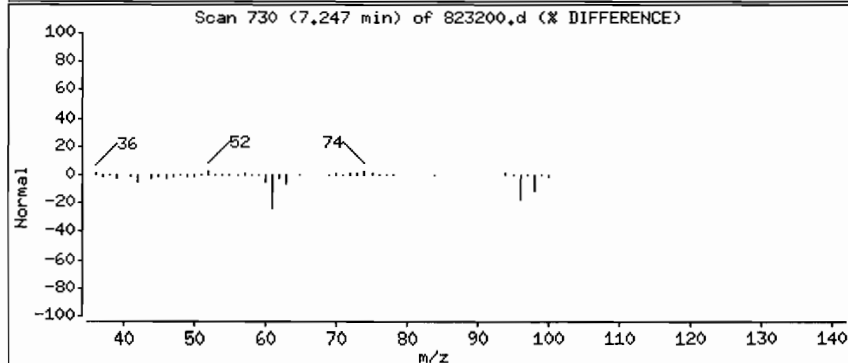
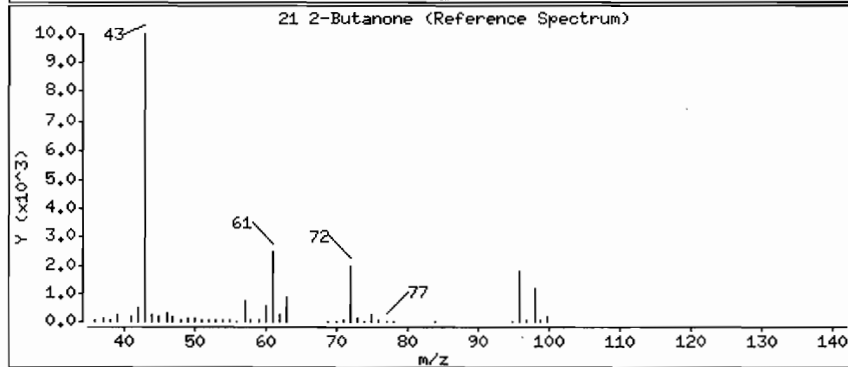
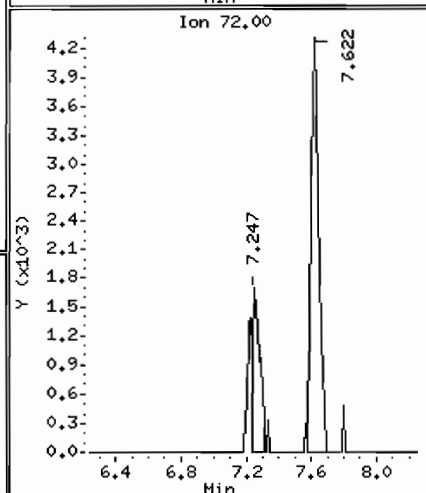
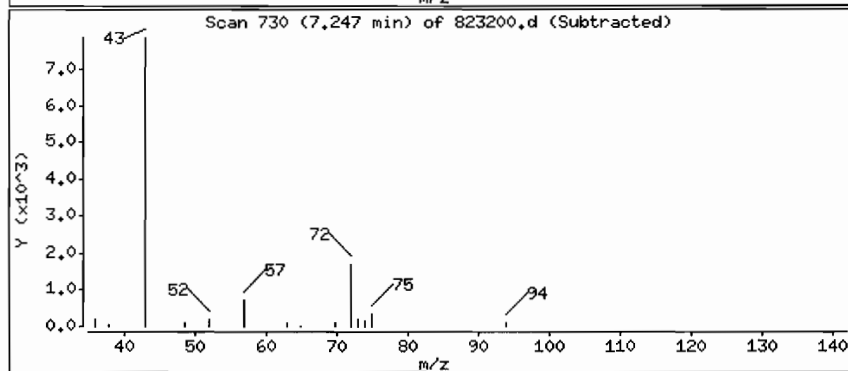
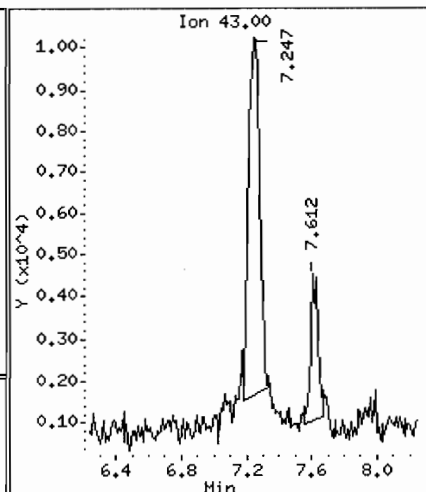
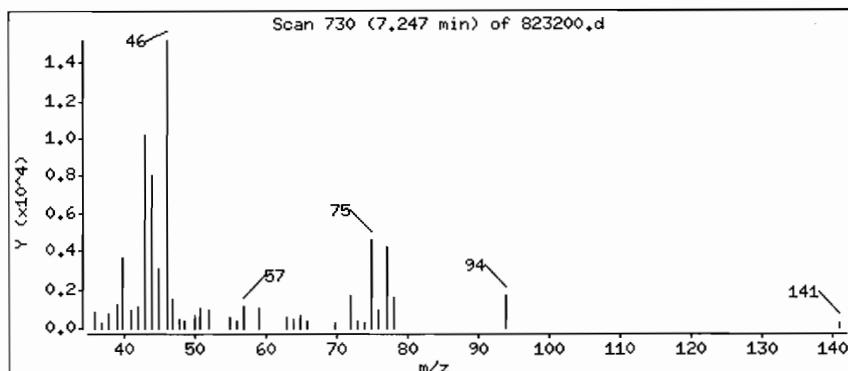
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 2.6 ug/L



Data File: /chem/H.i/Hsvr,p/mbeeswtr,b/823200.d

Page 10

Date : 21-MAR-2010 20:20

Client ID: D32.OMED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

Purge Volume: 25.0

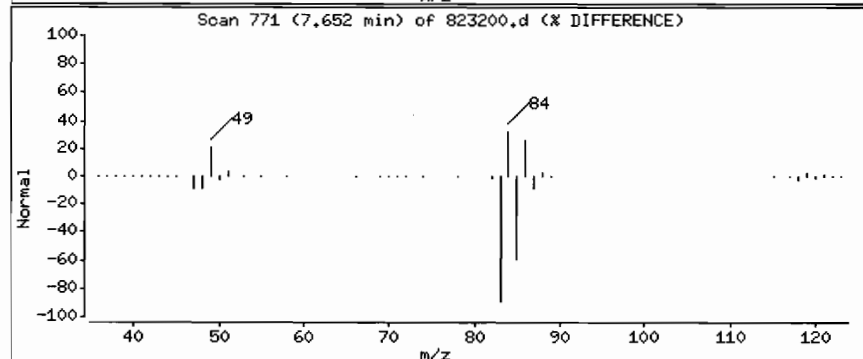
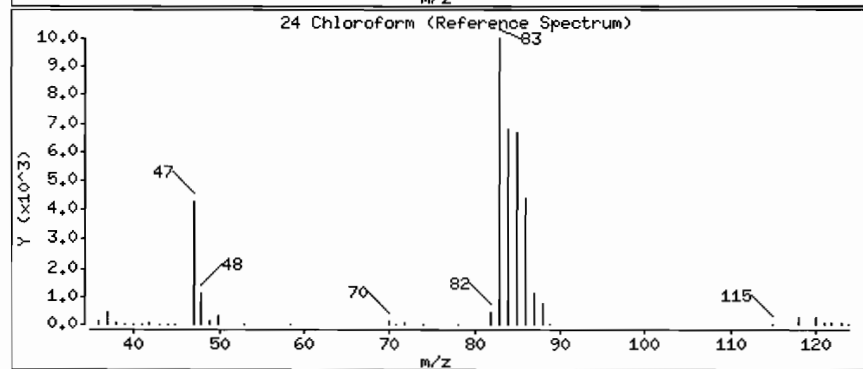
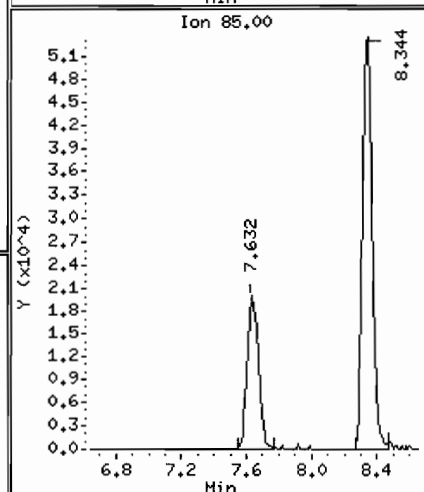
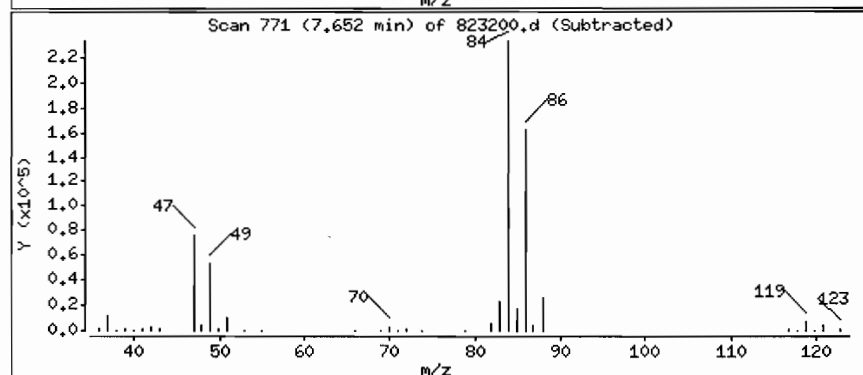
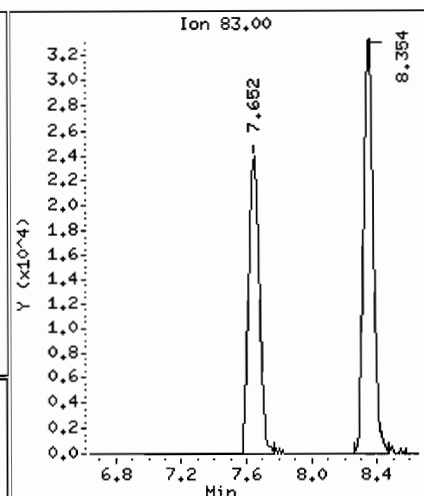
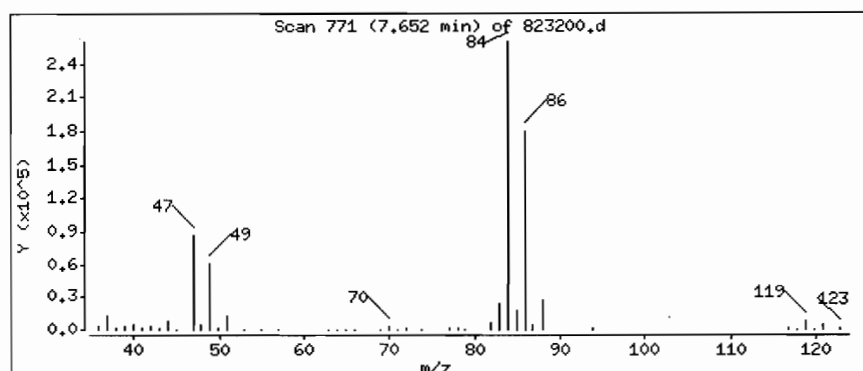
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.26 ug/L



Data File: /chem/M.i/Msvr.p/mbeesmr.b/823200.d

Page 11

Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

Purge Volume: 25.0

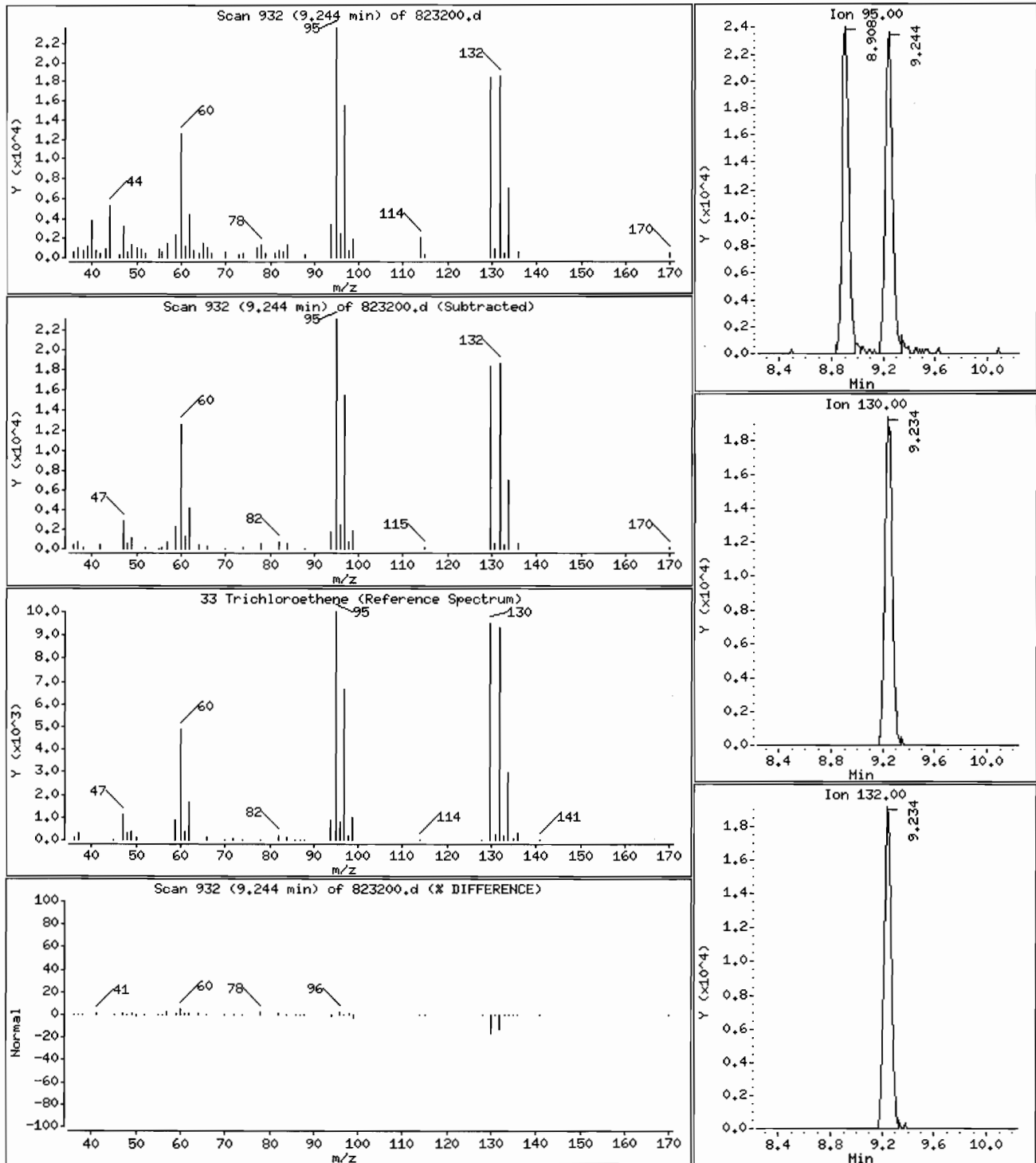
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.28 ug/L



Data File: /chem/M,i/Msvr,p/mbeesmr,b/823200.d

Page 12

Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

Purge Volume: 25.0

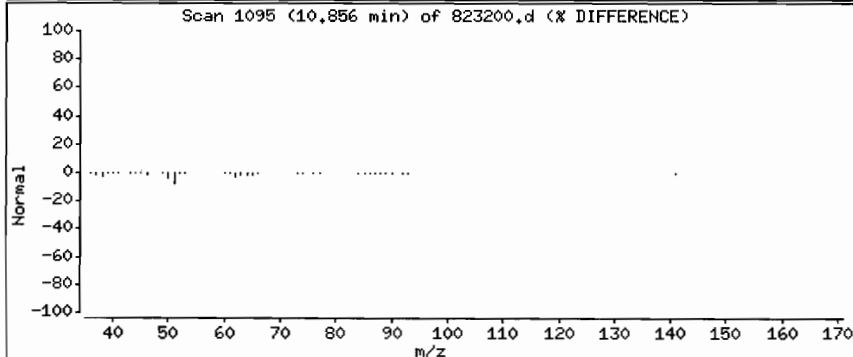
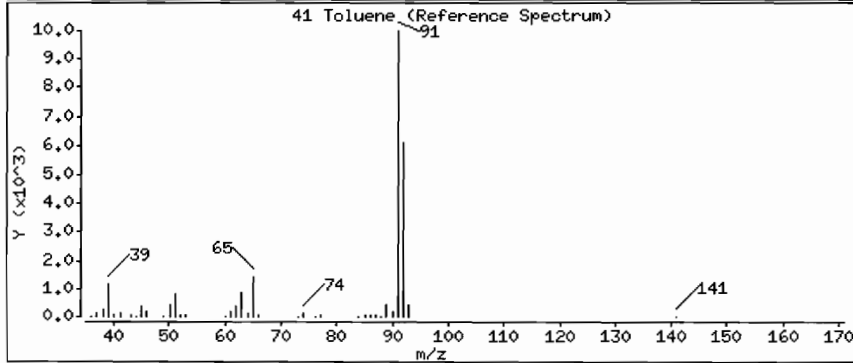
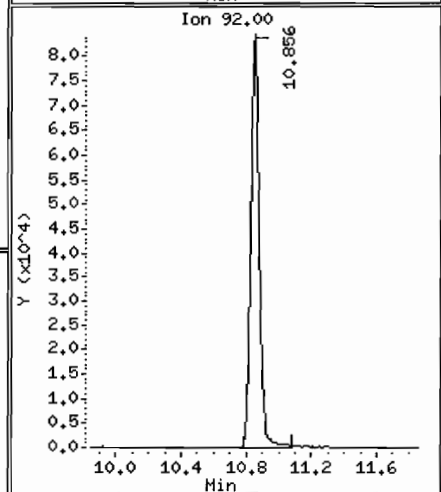
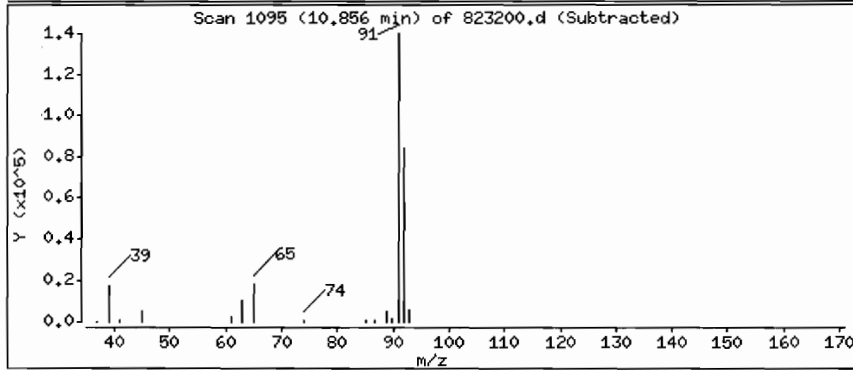
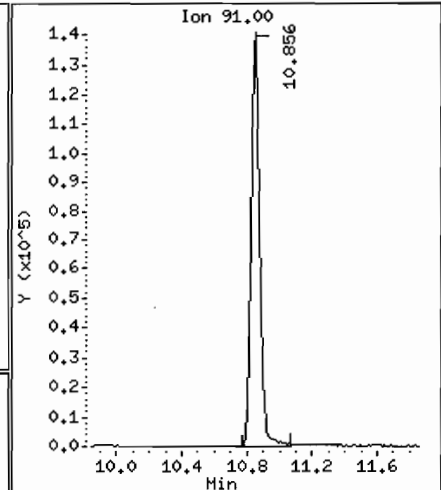
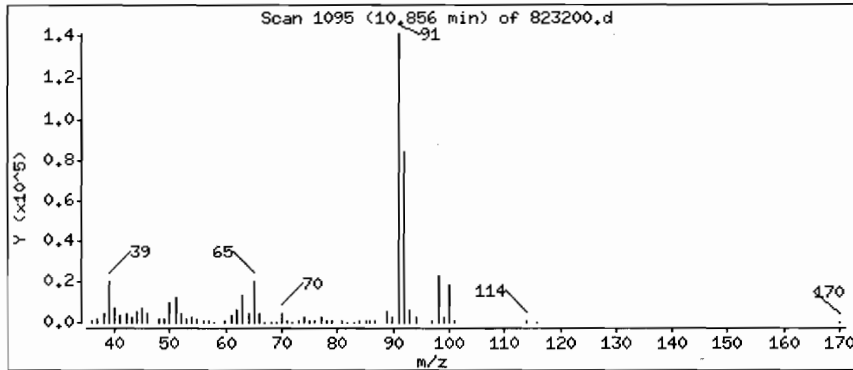
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.68 ug/L



Data File: /chem/M.i/Msvr,p/mbesmr,b/823200.d

Page 13

Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM ;I 103/17/10 @1550(WATER)

Purge Volume: 25.0

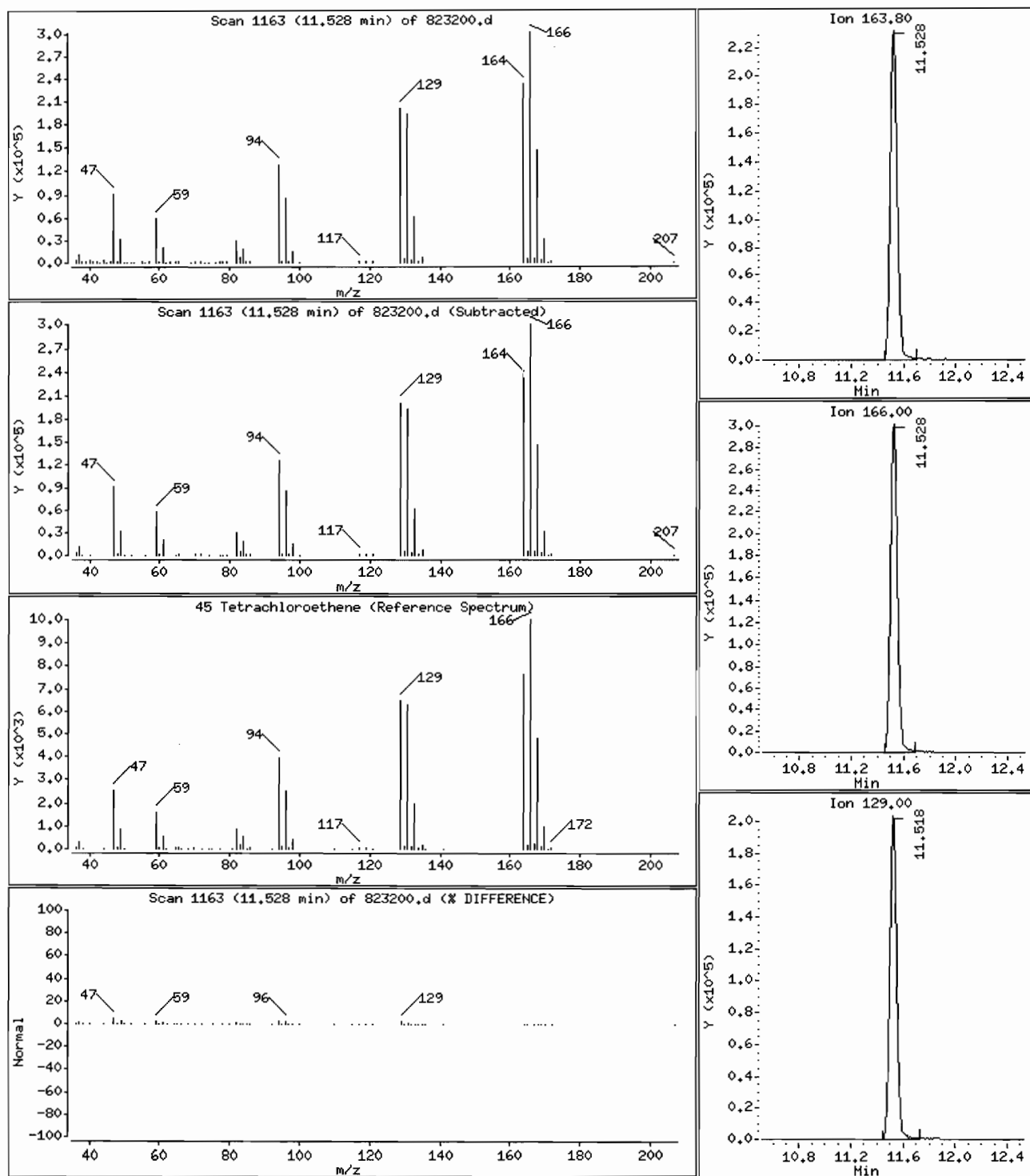
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 2.6 ug/L



Date : 21-MAR-2010 20:20

Client ID: D32.0MED

Instrument: M.i

Sample Info: D=3 2.0% MEDIUM :[103/17/10 @1550(WATER)

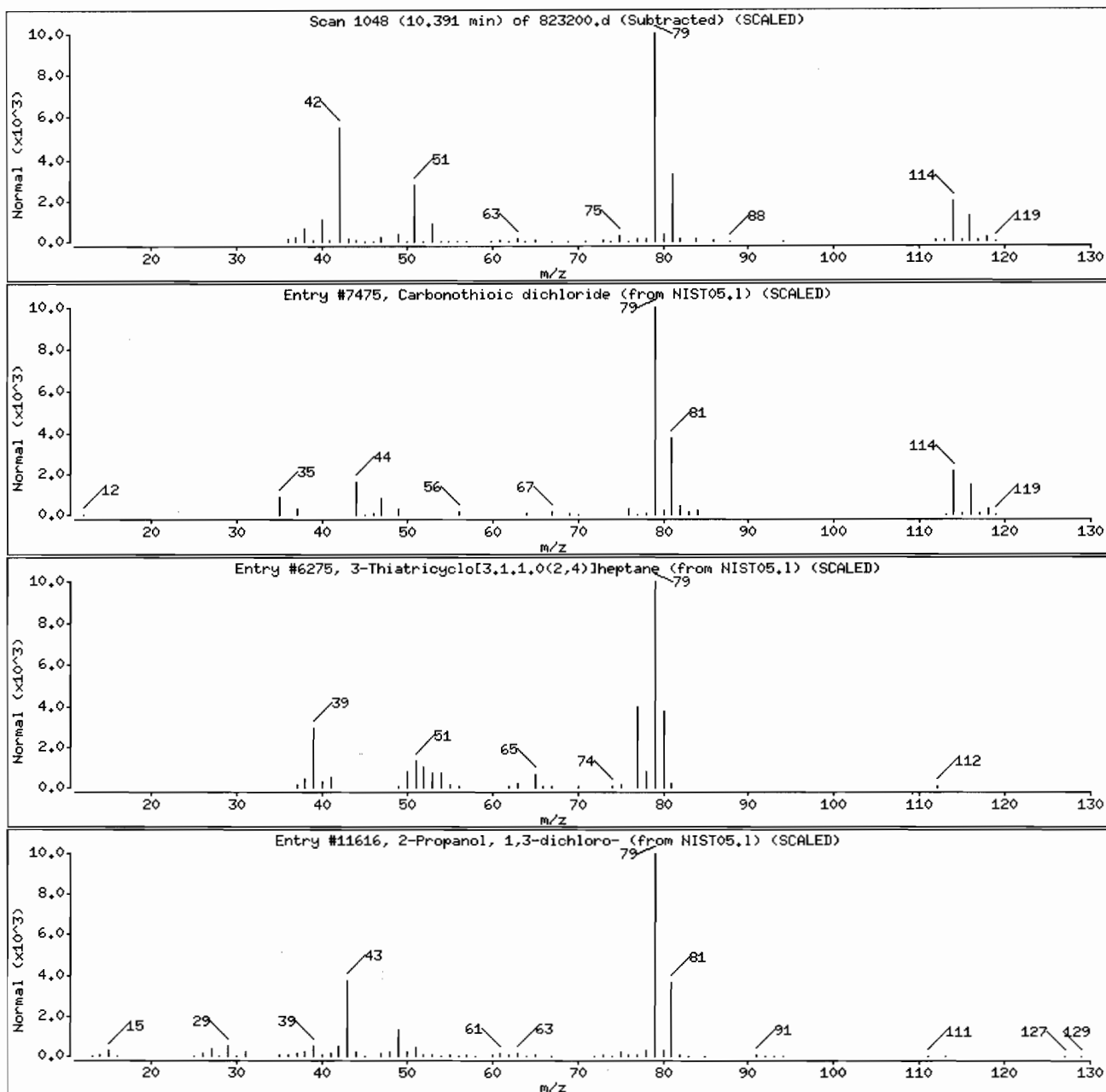
Purge Volume: 25.0

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D3CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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

Dilution Factor: 5.4

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	2.7	U
74-87-3	Chloromethane	2.7	U
75-01-4	Vinyl chloride	2.7	U
74-83-9	Bromomethane	2.7	U
75-00-3	Chloroethane	2.7	U
75-69-4	Trichlorofluoromethane	2.7	U
75-35-4	1,1-Dichloroethene	2.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.7	U
67-64-1	Acetone	15	JB
75-15-0	Carbon disulfide	2.7	U
79-20-9	Methyl acetate	2.7	U
75-09-2	Methylene chloride	16	
156-60-5	trans-1,2-Dichloroethene	2.7	U
1634-04-4	Methyl tert-butyl ether	2.7	U
75-34-3	1,1-Dichloroethane	2.7	U
156-59-2	cis-1,2-Dichloroethene	1.1	J
78-93-3	2-Butanone	27	U
74-97-5	Bromochloromethane	2.7	U
67-66-3	Chloroform	2.7	U
71-55-6	1,1,1-Trichloroethane	2.7	U
110-82-7	Cyclohexane	2.7	U
56-23-5	Carbon tetrachloride	2.7	U
71-43-2	Benzene	2.7	U
107-06-2	1,2-Dichloroethane	2.7	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.

D3CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/24/2010

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

Dilution Factor: 5.4

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	700	E
108-87-2	Methylcyclohexane	2.7	U
78-87-5	1,2-Dichloropropane	2.7	U
75-27-4	Bromodichloromethane	2.7	U
10061-01-5	cis-1,3-Dichloropropene	2.7	U
108-10-1	4-Methyl-2-pentanone	27	U
108-88-3	Toluene	2.7	U
10061-02-6	trans-1,3-Dichloropropene	2.7	U
79-00-5	1,1,2-Trichloroethane	2.7	U
127-18-4	Tetrachloroethene	5.6	
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	2.7	U
106-93-4	1,2-Dibromoethane	2.7	U
108-90-7	Chlorobenzene	2.7	U
100-41-4	Ethylbenzene	2.7	U
95-47-6	o-Xylene	2.7	U
179601-23-1	m,p-Xylene	2.7	U
100-42-5	Styrene	2.7	U
75-25-2	Bromoform	2.7	U
98-82-8	Isopropylbenzene	2.7	U
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U
541-73-1	1,3-Dichlorobenzene	2.7	U
106-46-7	1,4-Dichlorobenzene	2.7	U
95-50-1	1,2-Dichlorobenzene	2.7	U
96-12-8	1,2-Dibromo-3-chloropropane	2.7	U
120-82-1	1,2,4-Trichlorobenzene	2.7	U
87-61-6	1,2,3-Trichlorobenzene	2.7	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D3CONTROL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823202
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823202D2
Level: (TRACE or LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/24/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.4
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

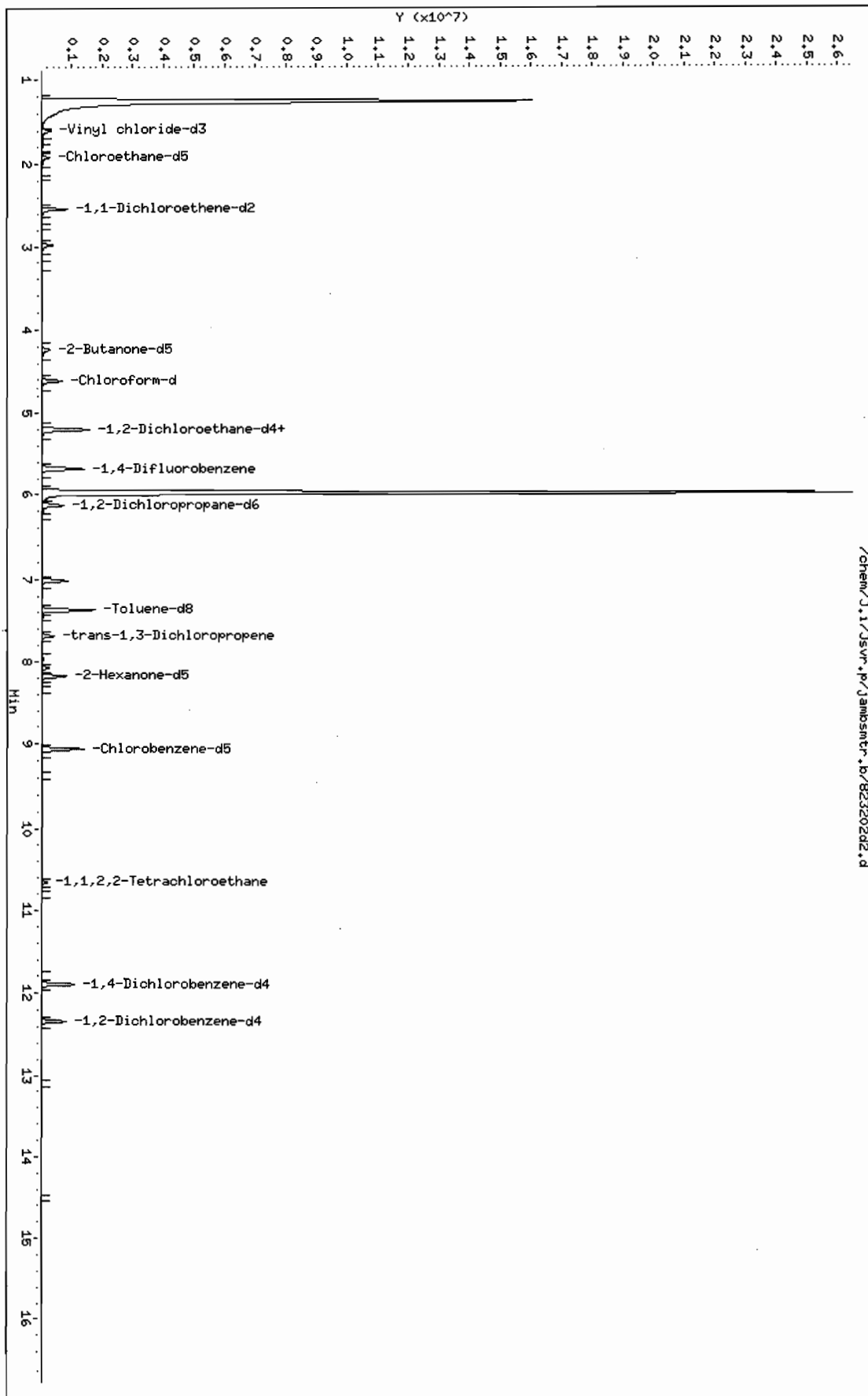
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	16	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jamsmr.b/823202d2.d
Date : 24-MAR-2010 16:13
Client ID: D3CONTROL
Sample Info: D=3 CONTROL : I 103/17/10 @1500(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823202d2.d
Report Date: 25-Mar-2010 10:46

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823202d2.d
Lab Smp Id: 823202 Client Smp ID: D3CONTROL
Inj Date : 24-MAR-2010 16:13
Operator : JH2 Inst ID: J.i
Smp Info : D=3 CONTROL : [] 03/17/10 @1500 (WATER)
Misc Info : 823202,5.4,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:13 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 7
Dil Factor: 5.40000
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	5.40000	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						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.599	1.599	(0.281)	385310	4.15243	4.2
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.915	1.909	(0.337)	271801	4.35543	4.4
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	673114	3.63936	3.6
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.597	2.597	(0.457)	13469	2.77337	15 (a)
13 Carbon disulfide	76							
14 Methyl acetate	43							

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	2.986	2.980	(0.526)	160610	2.95444	16
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	(0.745)	409198	51.1608	51
20 cis-1,2-Dichloroethene	96	4.276	4.282	(0.753)	14793	0.20503	1.1 (a)
21 2-Butanone	43	Compound Not Detected.					
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.610	(0.812)	582998	4.48319	4.5 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.182	(0.913)	225827	4.53406	4.5
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1304713	4.66440	4.7
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1141134	5.00000	
33 Trichloroethene	95	5.973	5.967	(0.659)	10331905	130.549	700 (A)
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.125	(0.676)	334149	4.54147	4.5
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	7.366	7.366	(0.813)	1221113	4.81955	4.8
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	7.676	7.677	(0.847)	251399	4.46885	4.5
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.078	8.072	(0.891)	57746	1.04559	5.6
\$ 46 2-Hexanone-d5	63	8.175	8.175	(0.902)	309959	51.3281	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	9.064	9.058	(1.000)	809836	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	10.651	10.651	(1.175)	101534	4.55410	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	11.898	11.899	(1.000)	309363	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
*****	****	==	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	12.336	12.337	(1.037)	219866	4.73259	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).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823202d2.d
Report Date: 25-Mar-2010 10:46

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823202d2.d
Lab Smp Id: 823202 Client Smp ID: D3CONTROL
Inj Date : 24-MAR-2010 16:13
Operator : JH2 Inst ID: J.i
Smp Info : D=3 CONTROL :[]03/17/10 @1500(WATER)
Misc Info : 823202,5.4,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:13 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 7
Dil Factor: 5.40000
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	5.40000	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	5.681	2899177	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
7.019	1669299	2.87891858	16	0		0	32

Data File: /chem/J.i/Jsvr.p/jamsntr.b/823202d2.d

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Date : 24-MAR-2010 16:13

Client ID: D3CONTROL

Instrument: J.i

Sample Info: D=3 CONTROL :[103/17/10 @1500(WATER)

Purge Volume: 25.0

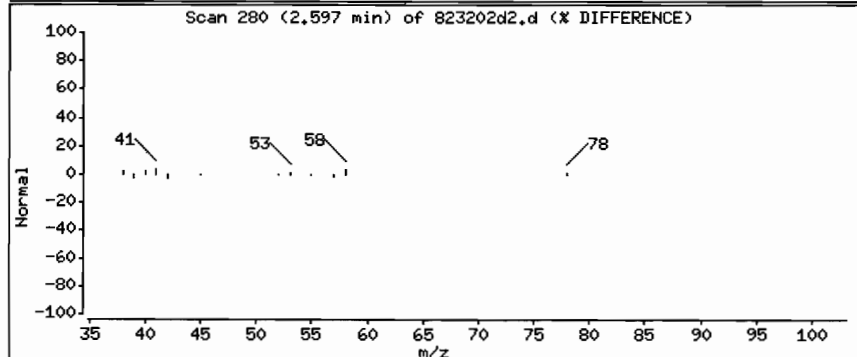
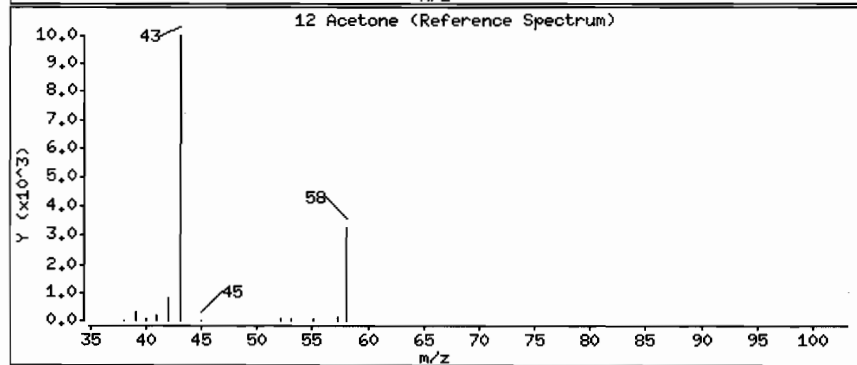
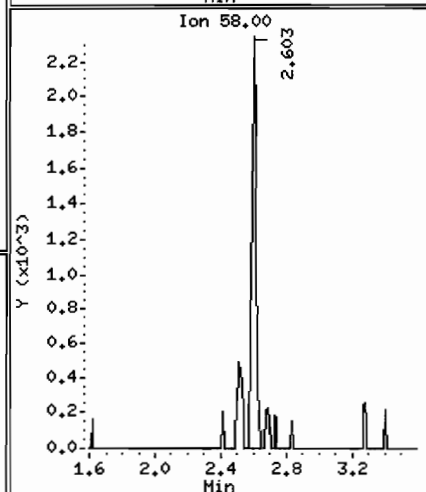
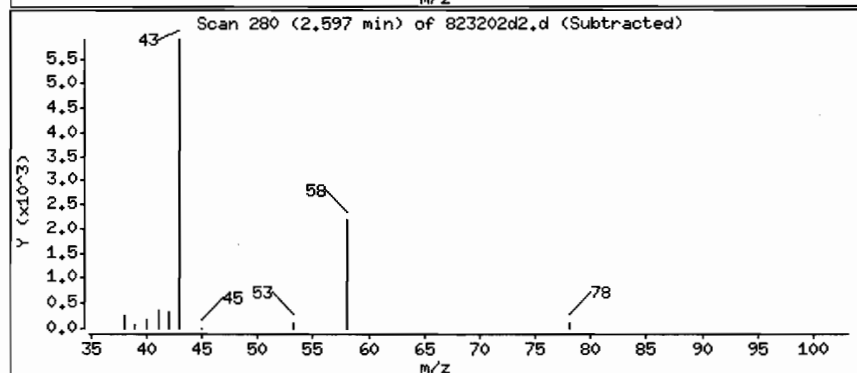
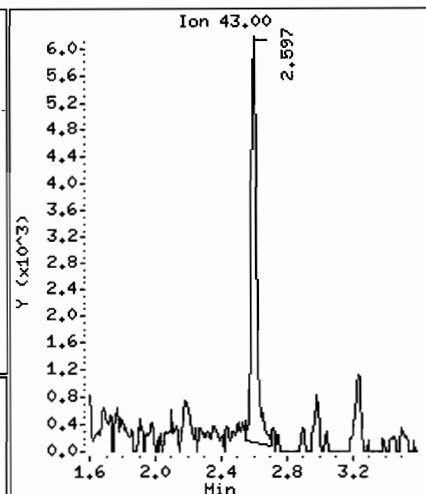
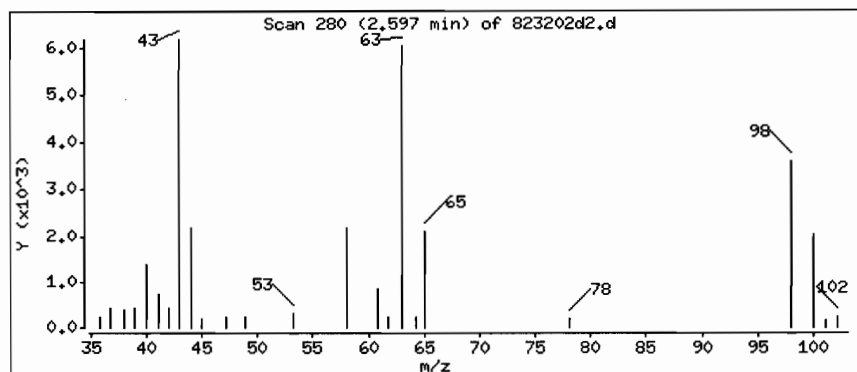
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 15 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823202d2.d

Page 7

Date : 24-MAR-2010 16:13

Client ID: D3CONTROL

Instrument: J.i

Sample Info: D=3 CONTROL :[103/17/10 @1500(WATER)

Purge Volume: 25.0

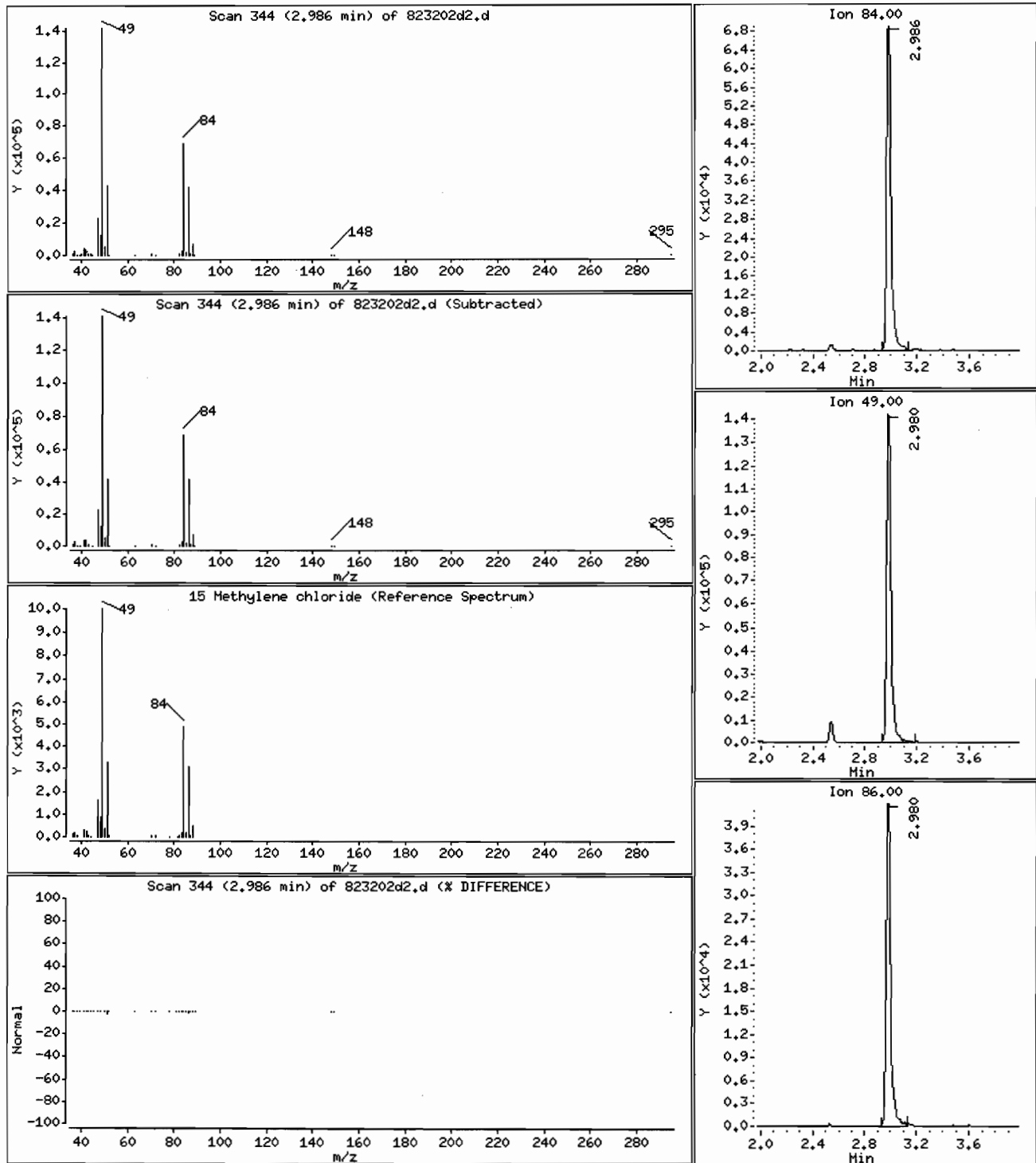
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 16 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823202d2.d

Page 8

Date : 24-MAR-2010 16:13

Client ID: D3CONTROL

Instrument: J.i

Sample Info: D=3 CONTROL :[103/17/10 @1500(WATER)

Purge Volume: 25.0

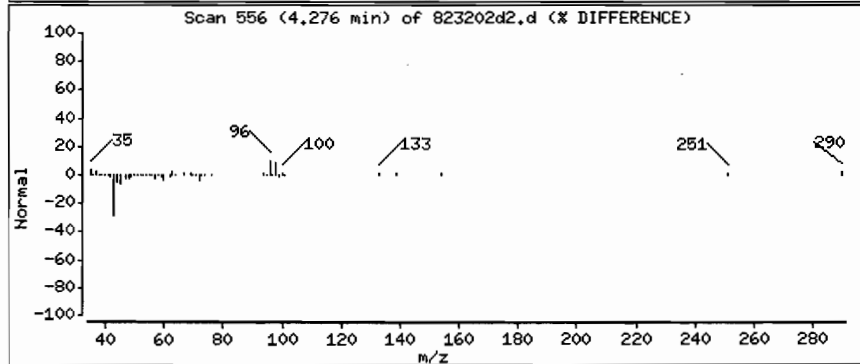
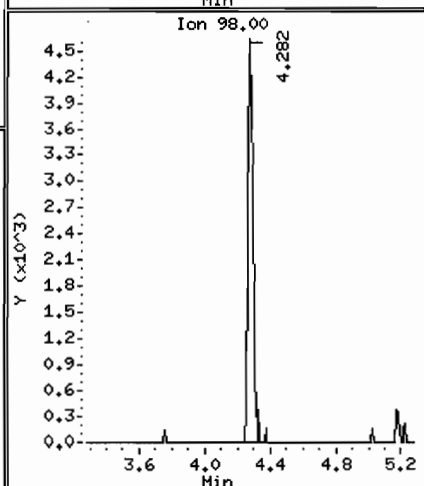
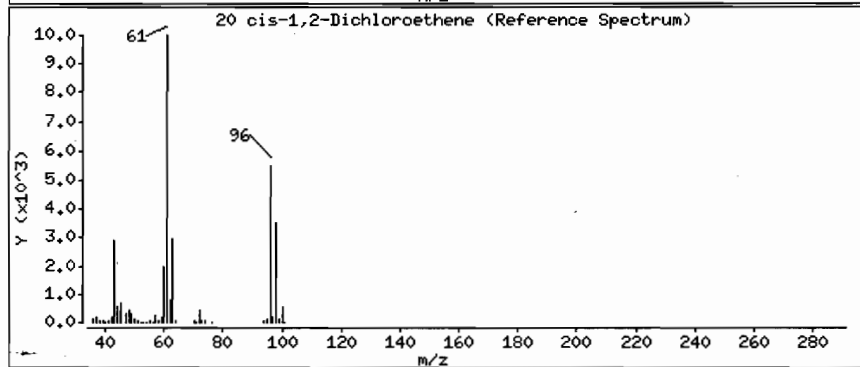
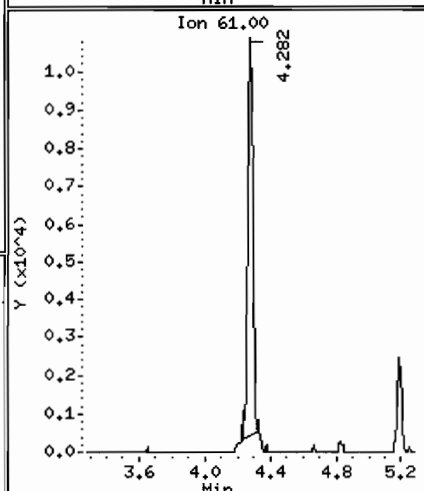
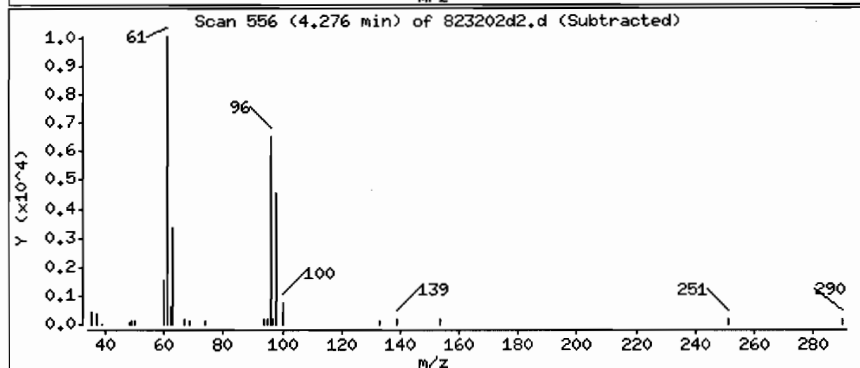
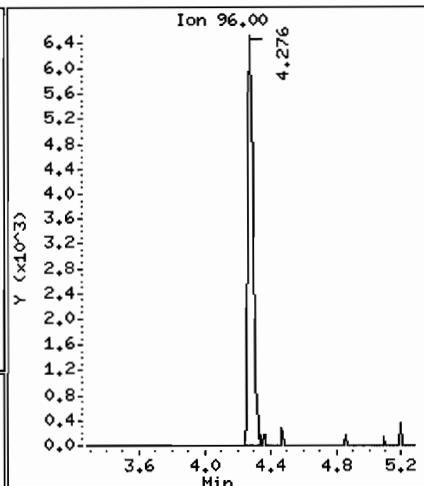
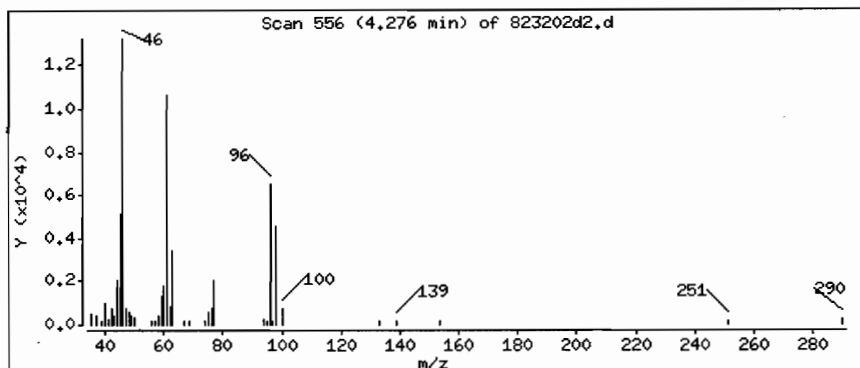
Operator: JH2

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/jambsmtr,b/823202d2.d

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Date : 24-MAR-2010 16:13

Client ID: D3CONTROL

Instrument: J.i

Sample Info: D=3 CONTROL [I 103/17/10 @1500(WATER)

Purge Volume: 25.0

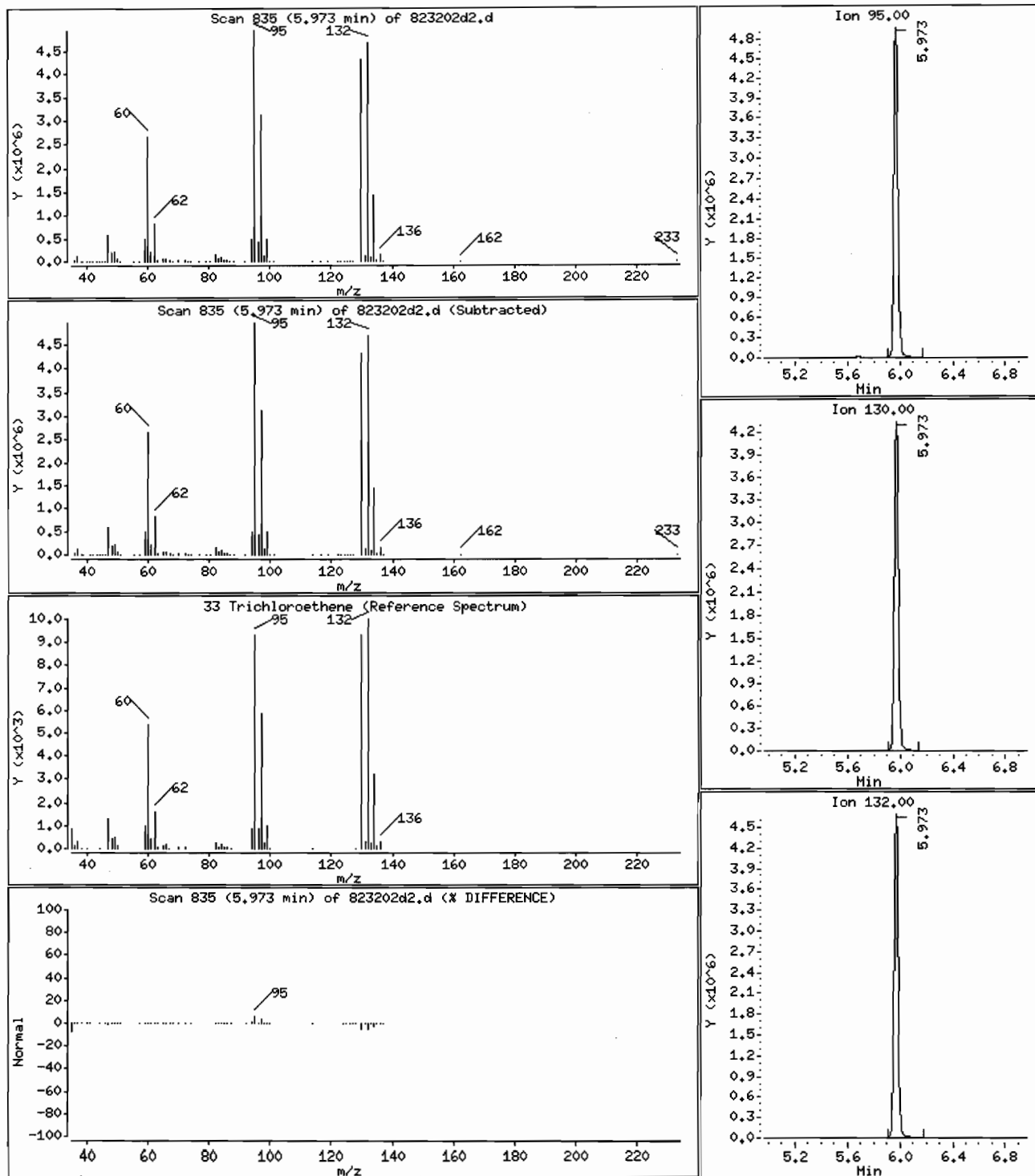
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 700 ug/L



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823202d2.d

Page 10

Date : 24-MAR-2010 16:13

Client ID: D3CONTROL

Instrument: J.i

Sample Info: D=3 CONTROL :[103/17/10 @1500(WATER)

Purge Volume: 25.0

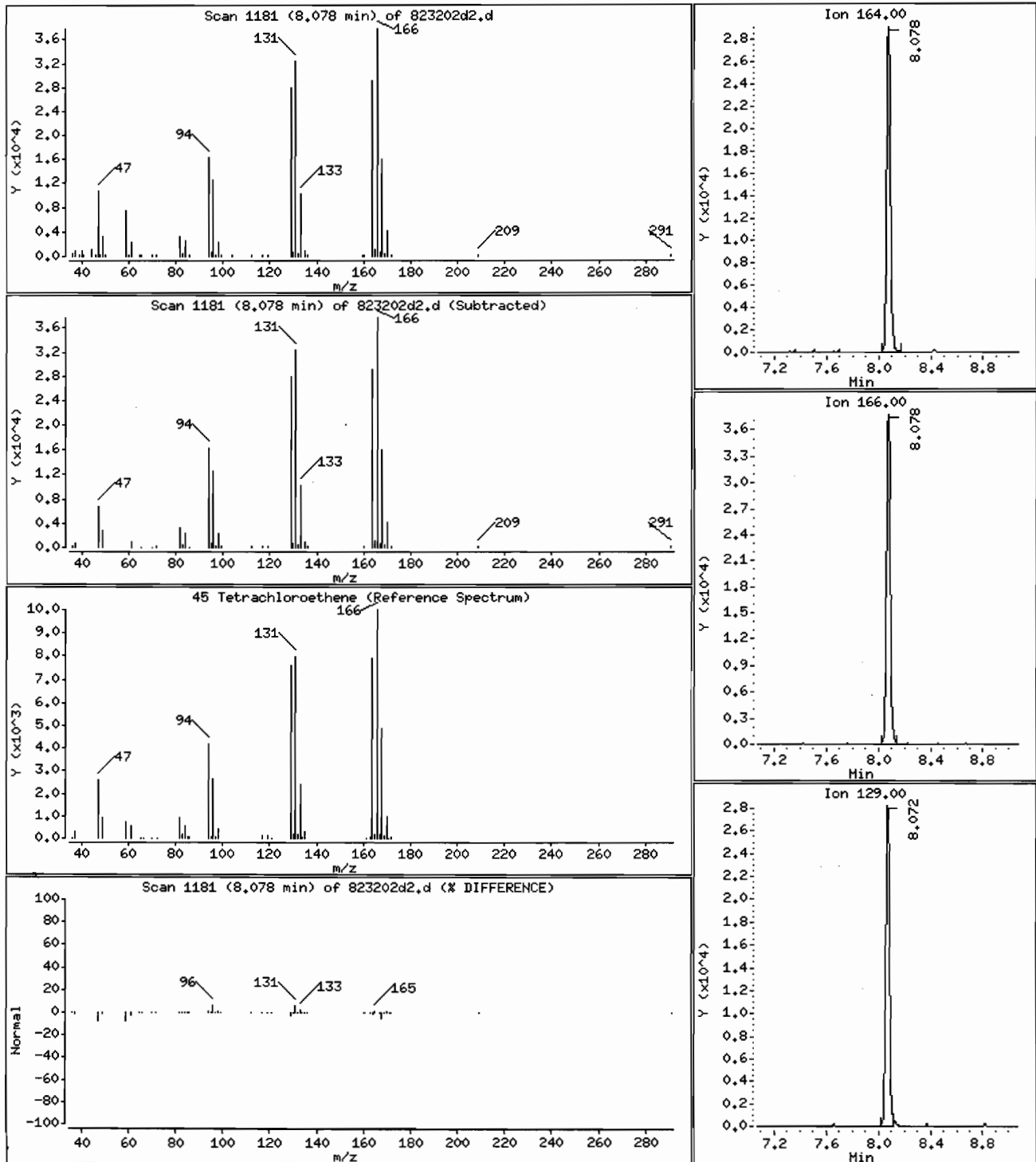
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 5.6 ug/L



Date : 24-MAR-2010 16:13

Client ID: D3CONTROL

Instrument: J.i

Sample Info: D=3 CONTROL ;[103/17/10 @1500(WATER)

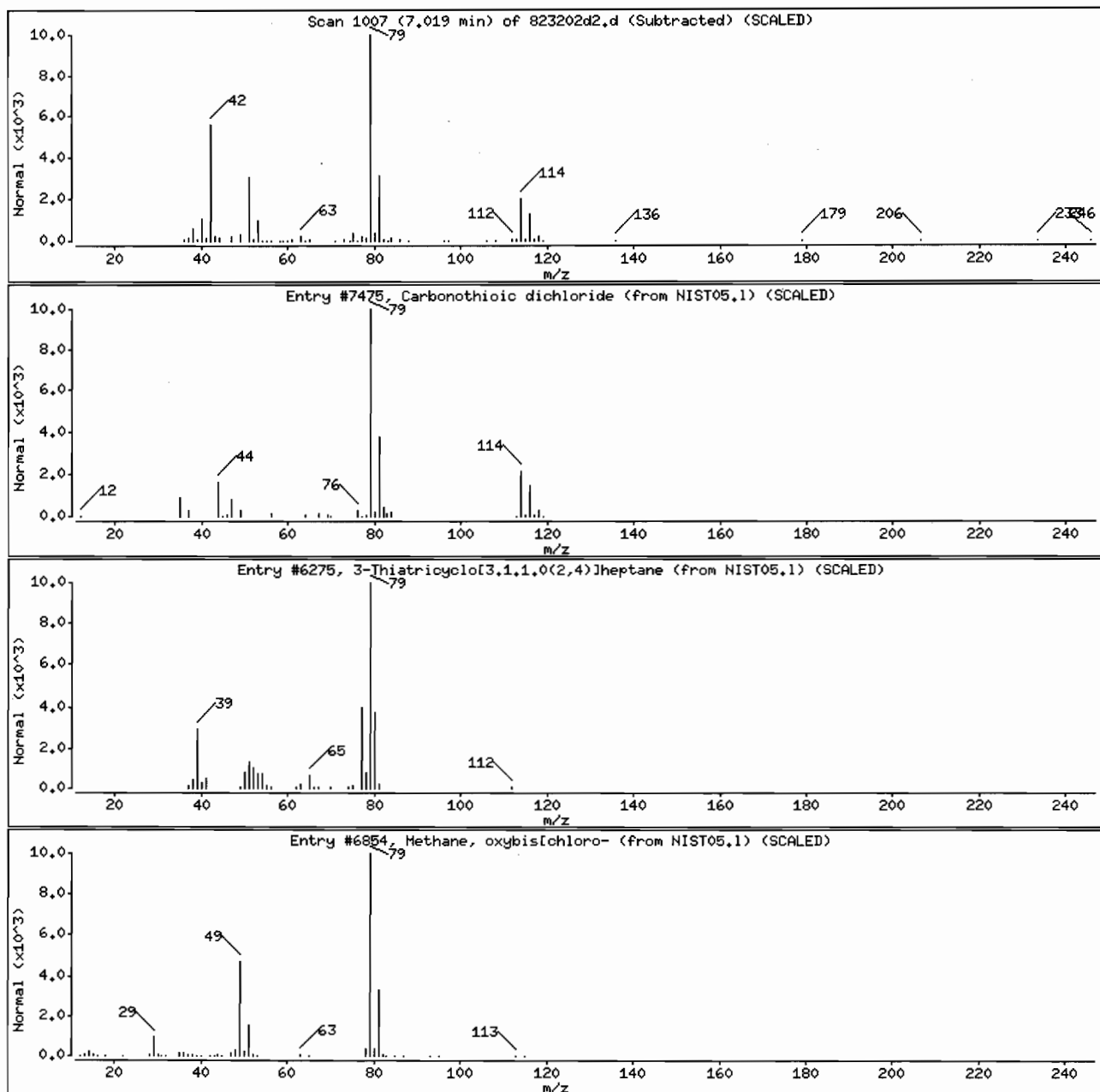
Purge Volume: 25.0

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	47	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D3CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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

Dilution Factor: 62.9

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	31	U
74-87-3	Chloromethane	31	U
75-01-4	Vinyl chloride	31	U
74-83-9	Bromomethane	31	U
75-00-3	Chloroethane	31	U
75-69-4	Trichlorofluoromethane	31	U
75-35-4	1,1-Dichloroethene	31	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	31	U
67-64-1	Acetone	310	U
75-15-0	Carbon disulfide	31	U
79-20-9	Methyl acetate	31	U
75-09-2	Methylene chloride	19	DJ
156-60-5	trans-1,2-Dichloroethene	31	U
1634-04-4	Methyl tert-butyl ether	31	U
75-34-3	1,1-Dichloroethane	31	U
156-59-2	cis-1,2-Dichloroethene	31	U
78-93-3	2-Butanone	310	U
74-97-5	Bromochloromethane	31	U
67-66-3	Chloroform	31	U
71-55-6	1,1,1-Trichloroethane	31	U
110-82-7	Cyclohexane	31	U
56-23-5	Carbon tetrachloride	31	U
71-43-2	Benzene	31	U
107-06-2	1,2-Dichloroethane	31	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.

D3CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 62.9

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	880	D
108-87-2	Methylcyclohexane	31	U
78-87-5	1,2-Dichloropropane	31	U
75-27-4	Bromodichloromethane	31	U
10061-01-5	cis-1,3-Dichloropropene	31	U
108-10-1	4-Methyl-2-pentanone	310	U
108-88-3	Toluene	31	U
10061-02-6	trans-1,3-Dichloropropene	31	U
79-00-5	1,1,2-Trichloroethane	31	U
127-18-4	Tetrachloroethene	31	U
591-78-6	2-Hexanone	310	U
124-48-1	Dibromochloromethane	31	U
106-93-4	1,2-Dibromoethane	31	U
108-90-7	Chlorobenzene	31	U
100-41-4	Ethylbenzene	31	U
95-47-6	o-Xylene	31	U
179601-23-1	m,p-Xylene	31	U
100-42-5	Styrene	31	U
75-25-2	Bromoform	31	U
98-82-8	Isopropylbenzene	31	U
79-34-5	1,1,2,2-Tetrachloroethane	31	U
541-73-1	1,3-Dichlorobenzene	31	U
106-46-7	1,4-Dichlorobenzene	31	U
95-50-1	1,2-Dichlorobenzene	31	U
96-12-8	1,2-Dibromo-3-chloropropane	31	U
120-82-1	1,2,4-Trichlorobenzene	31	U
87-61-6	1,2,3-Trichlorobenzene	31	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D3CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823202D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823202D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

GC Column: DB-624

ID: 0.53

(mm)

Dilution Factor: 62.9

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0

(mL)

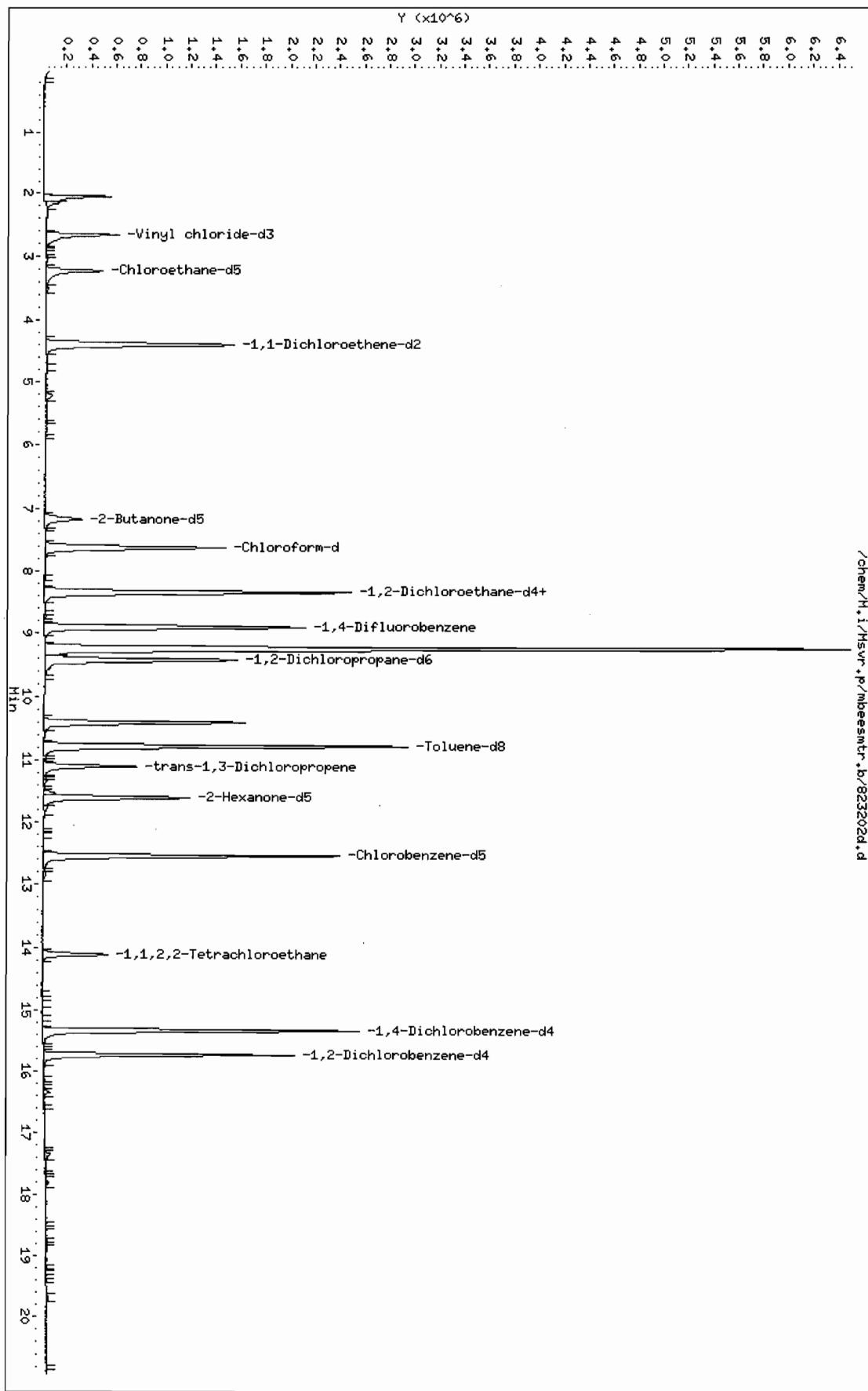
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.39	230	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeasnr.b/823202d.d
Date: 21-MAR-2010 17:11
Client ID: D3CONTROL.DL
Sample Info: D=3 CONTROL :t 103/17/10 @1500(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JP1
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823202d.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823202d.d
Lab Smp Id: 823202D1 Client Smp ID: D3CONTROLDL
Inj Date : 21-MAR-2010 17:11
Operator : JP1 Inst ID: M.i
Smp Info : D=3 CONTROL : [] 03/17/10 @1500(WATER)
Misc Info : 823202,032110MO,62.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 8
Dil Factor: 62.90000
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	62.90000	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			RESPONSE	CONCENTRATIONS	
					ON-COLUMN	FINAL
	MASS	RT	EXP RT REL RT		(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85			Compound Not Detected.		
2 Chloromethane	50			Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.652	2.663 (0.298)	1304335	5.35280	5.4 (a)
4 Vinyl chloride	62			Compound Not Detected.		
5 Bromomethane	94			Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.216	3.216 (0.361)	1098859	5.38758	5.4 (a)
7 Chloroethane	64			Compound Not Detected.		
8 Trichlorofluoromethane	101			Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.383	4.393 (0.492)	2624684	4.49773	4.5 (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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	5.223	5.224	(0.587)	45225	0.30376	19 (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	7.161	7.152	(0.804)	926323	58.9294	59 (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	7.616	7.617	(0.856)	2323117	5.53888	5.5 (aQ)
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	8.328	8.329	(0.936)	670779	6.08388	6.1 (aQ)
\$ 29 Benzene-d6	84	8.338	8.339	(0.665)	3384682	5.27988	5.3 (a)
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.902	8.902	(1.000)	3110187	5.00000	
33 Trichloroethene	95	9.238	9.238	(0.737)	4406464	13.9883	880
\$ 34 1,2-Dichloropropane-d6	67	9.426	9.416	(0.752)	1481286	4.75692	4.8 (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	10.770	10.771	(0.859)	3576873	5.12321	5.1 (a)
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	11.087	11.088	(0.884)	794196	4.86504	4.9 (a)
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	163	Compound Not Detected.					
\$ 46 2-Hexanone-d5	63	11.601	11.592	(0.925)	951265	49.3974	49 (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	12.540	12.541	(1.000)	2501986	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.103	14.103	(1.125)	573225	4.85203	4.9 (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	15.329	15.330	(1.000)	1236160	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.734	15.725	(1.026)	948065	4.65252		4.7 (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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823202d.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823202d.d
Lab Smp Id: 823202D1 Client Smp ID: D3CONTROLDL
Inj Date : 21-MAR-2010 17:11
Operator : JPl Inst ID: M.i
Smp Info : D=3 CONTROL :[]03/17/10 @1500(WATER)
Misc Info : 823202,032110MO,62.9,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 8
Dil Factor: 62.90000
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	62.90000	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	8.902	7848034	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.395	5636139	3.59079670	230	0		0	32

Data File: /chem/M.i/Hsvr.p/mbeesmr.b/823202d.d

Page 6

Date : 21-MAR-2010 17:11

Client ID: D3CONTROLDL

Instrument: M.i

Sample Info: D=3 CONTROL :[103/17/10 @1500(WATER)

Purge Volume: 25.0

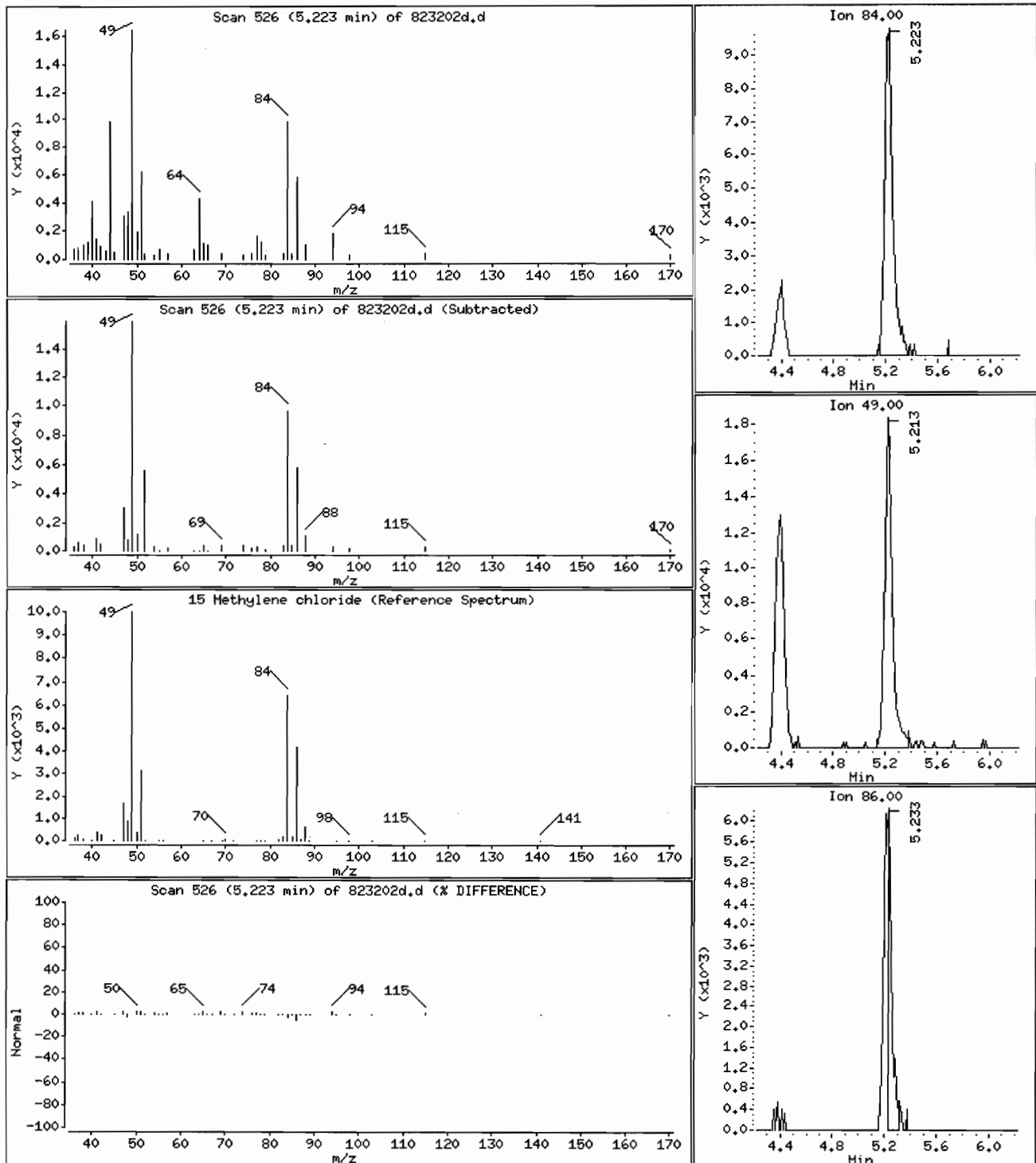
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 19 ug/L



Data File: /chem/H.i/Hsvr.p/mbeesmr.b/823202d.d

Page 7

Date : 21-MAR-2010 17:11

Client ID: D3CONTROLDL

Instrument: M.i

Sample Info: D=3 CONTROL :[103/17/10 @1500(WATER)

Purge Volume: 25.0

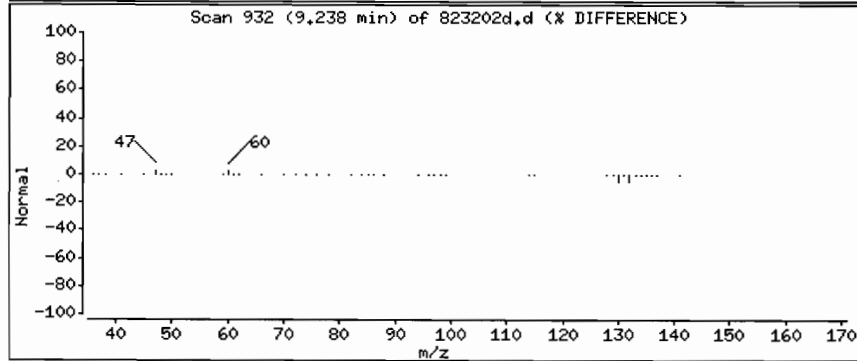
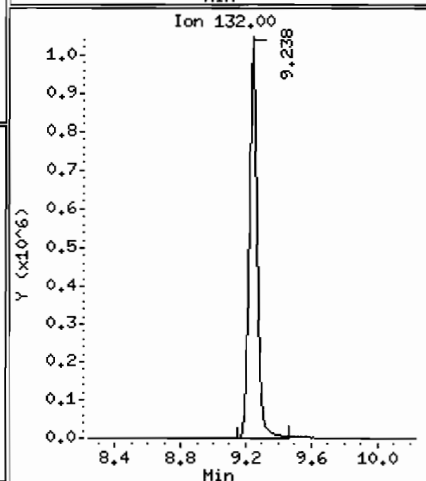
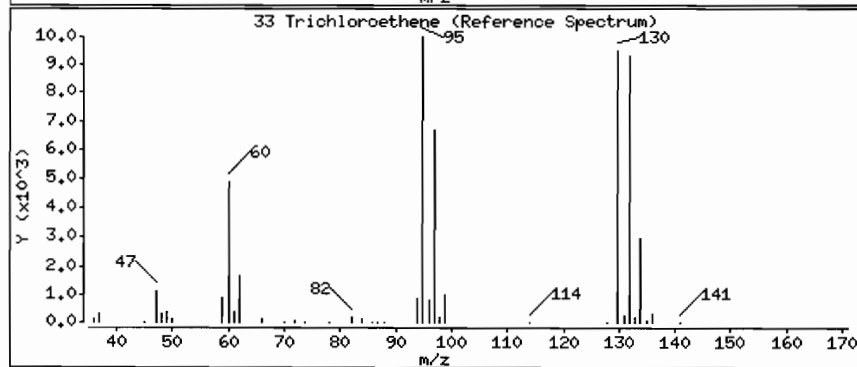
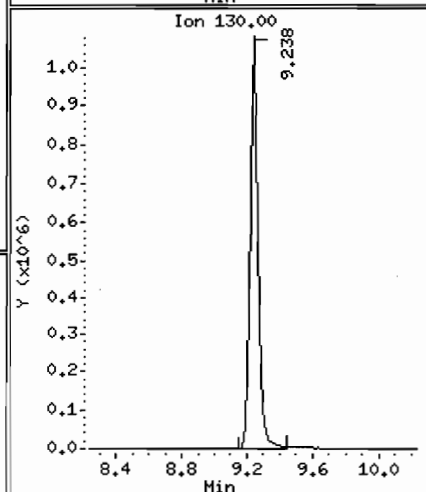
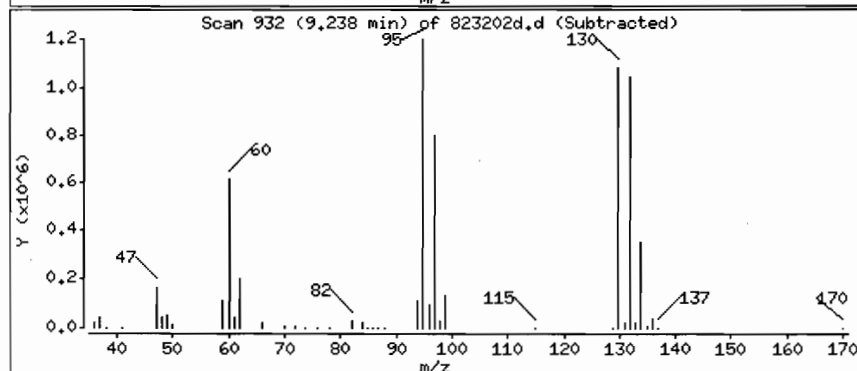
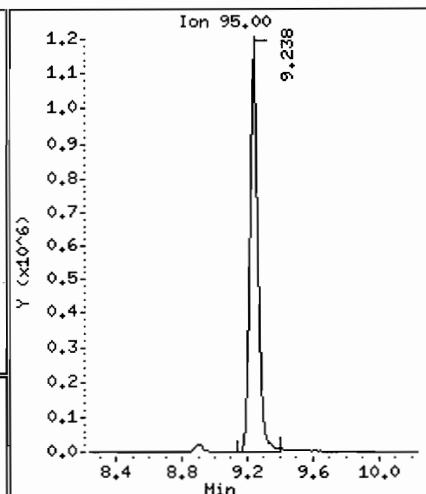
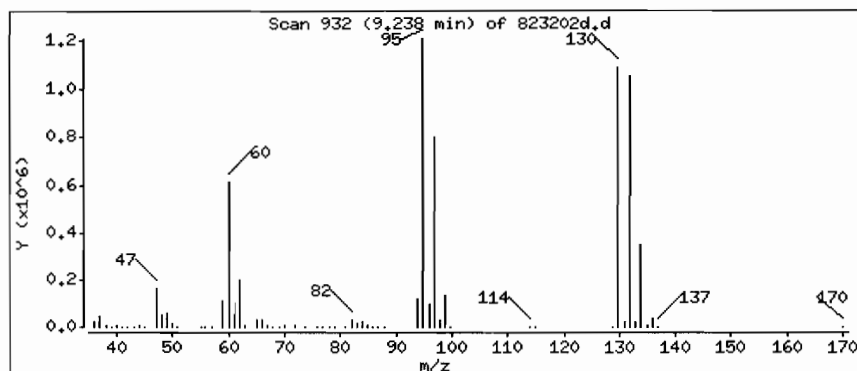
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 880 ug/L



Date : 21-MAR-2010 17:11

Client ID: D3CONTROLDL

Instrument: H.i

Sample Info: D=3 CONTROL ;[103/17/10 @1500(WATER)

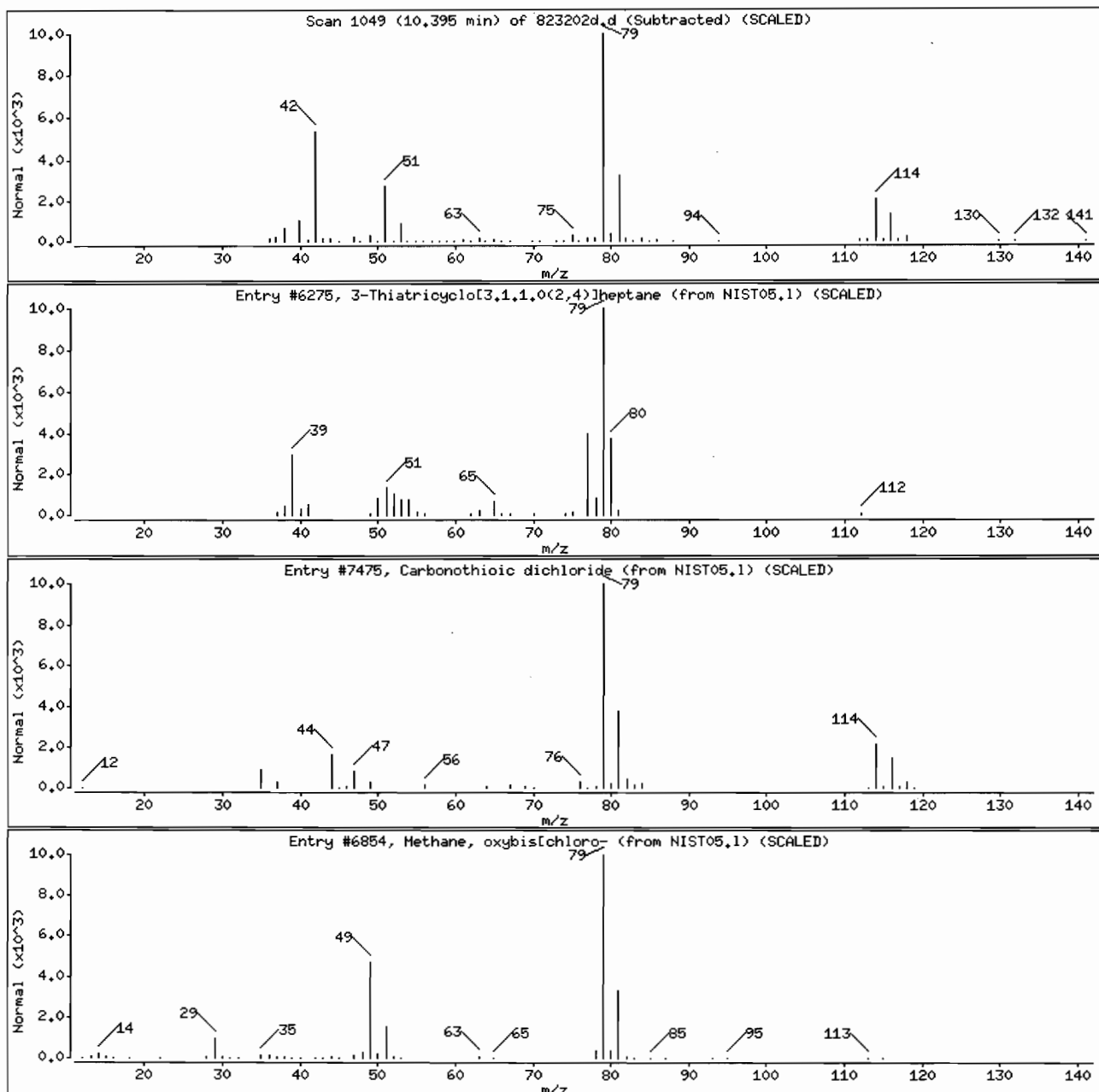
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
Carbonothioic dichloride	463-71-8	NIST05.1	7475	28	CCl2S	114
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.

TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823203
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823203
Level: (TRACE/LOW/MED) TRACE Date Received: 03/19/2010
% Moisture: not dec. Date Analyzed: 03/21/2010
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.

TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823203

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823203

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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.

TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823203

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823203

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/19/2010

% Moisture: not dec.

Date Analyzed: 03/21/2010

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	=====	=====	=====	=====	=====
02		Unknown	10.40	3.7	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		

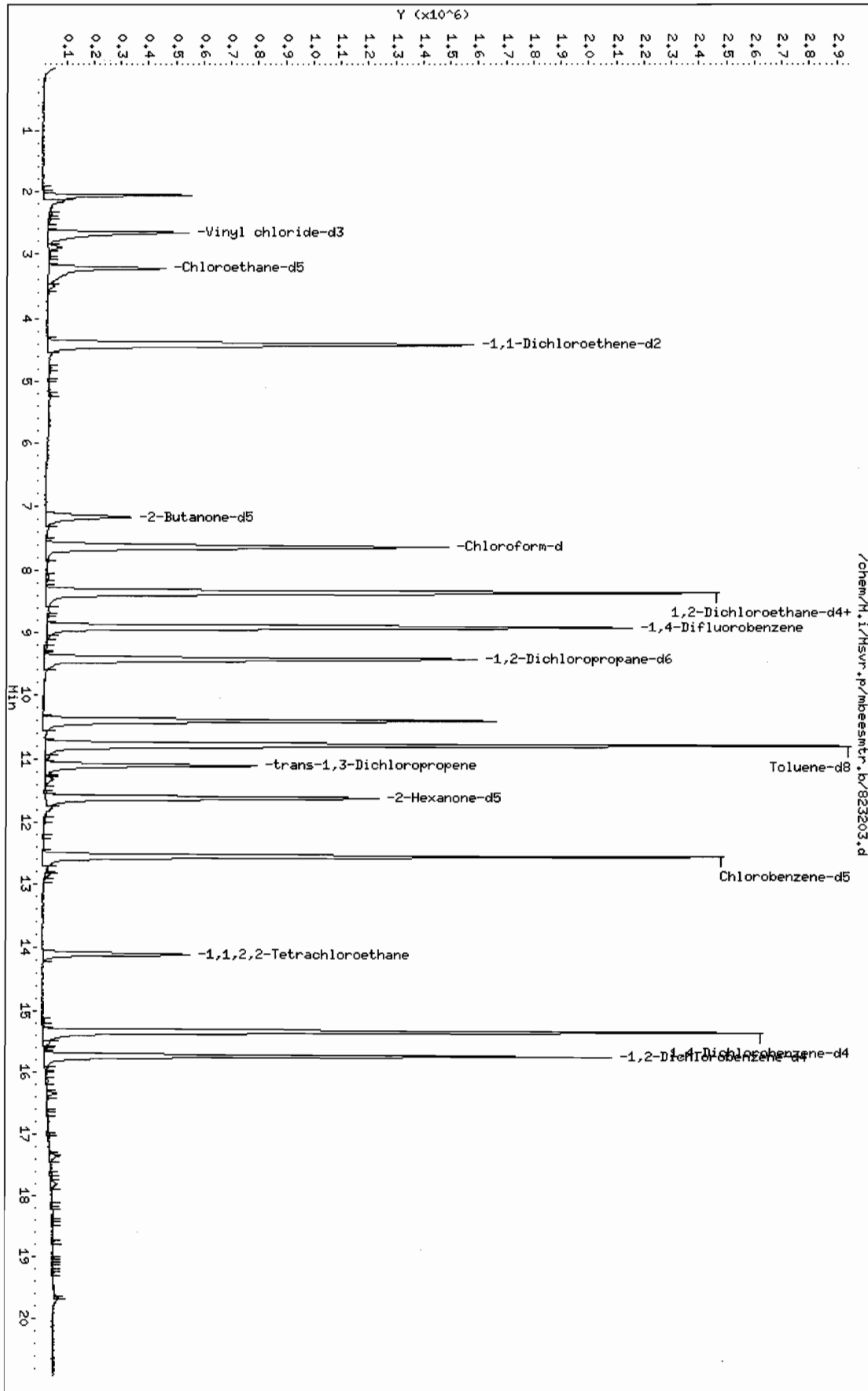
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesmr.b/823203.d
Date: 21-MAR-2010 19:49
Client ID: TRIP BLANK
Sample Info: TRIP BLANK : (103/17/10 @ (WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53

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Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823203.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823203.d
Lab Smp Id: 823203 Client Smp ID: TRIP BLANK
Inj Date : 21-MAR-2010 19:49
Operator : JPl Inst ID: M.i
Smp Info : TRIP BLANK :[]03/17/10 @ (WATER)
Misc Info : 823203,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 13
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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.653	2.663	(0.298)	1302389	5.30668	5.3
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.216	3.216	(0.361)	1088842	5.30038	5.3
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.393	4.393	(0.493)	2625339	4.46675	4.5
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.162	7.152	(0.804)	951778	60.1168	60
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	7.616	7.617	(0.856)	2336498	5.53103	5.5 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.328	8.329	(0.936)	680064	6.12408	6.1 (Q)
\$ 29 Benzene-d6	84	8.338	8.339	(0.665)	3311310	5.14656	5.1
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.902	8.902	(1.000)	3132538	5.00000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.416	9.416	(0.751)	1511633	4.83664	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	10.771	10.771	(0.859)	3626605	5.17547	5.2
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.087	11.088	(0.884)	798145	4.87137	4.9
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.592	11.592	(0.924)	984433	50.9331	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	12.541	12.541	(1.000)	2511159	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.103	14.103	(1.125)	582382	4.91153	4.9
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.329	15.330	(1.000)	1246477	5.00000	(Q)
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		ON-COLUMN	REL			FINAL	
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.735	15.725	(1.026)	970302	4.72223	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

Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/823203.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/823203.d
Lab Smp Id: 823203 Client Smp ID: TRIP BLANK
Inj Date : 21-MAR-2010 19:49
Operator : JP1 Inst ID: M.i
Smp Info : TRIP BLANK :[]03/17/10 @ (WATER)
Misc Info : 823203,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 13
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	8.902	7884280	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
10.395	5809409	3.68417163	3.7	0		0	32

Date : 21-MAR-2010 19:49

Client ID: TRIP BLANK

Instrument: M.i

Sample Info: TRIP BLANK ;[103/17/10 @ (WATER)

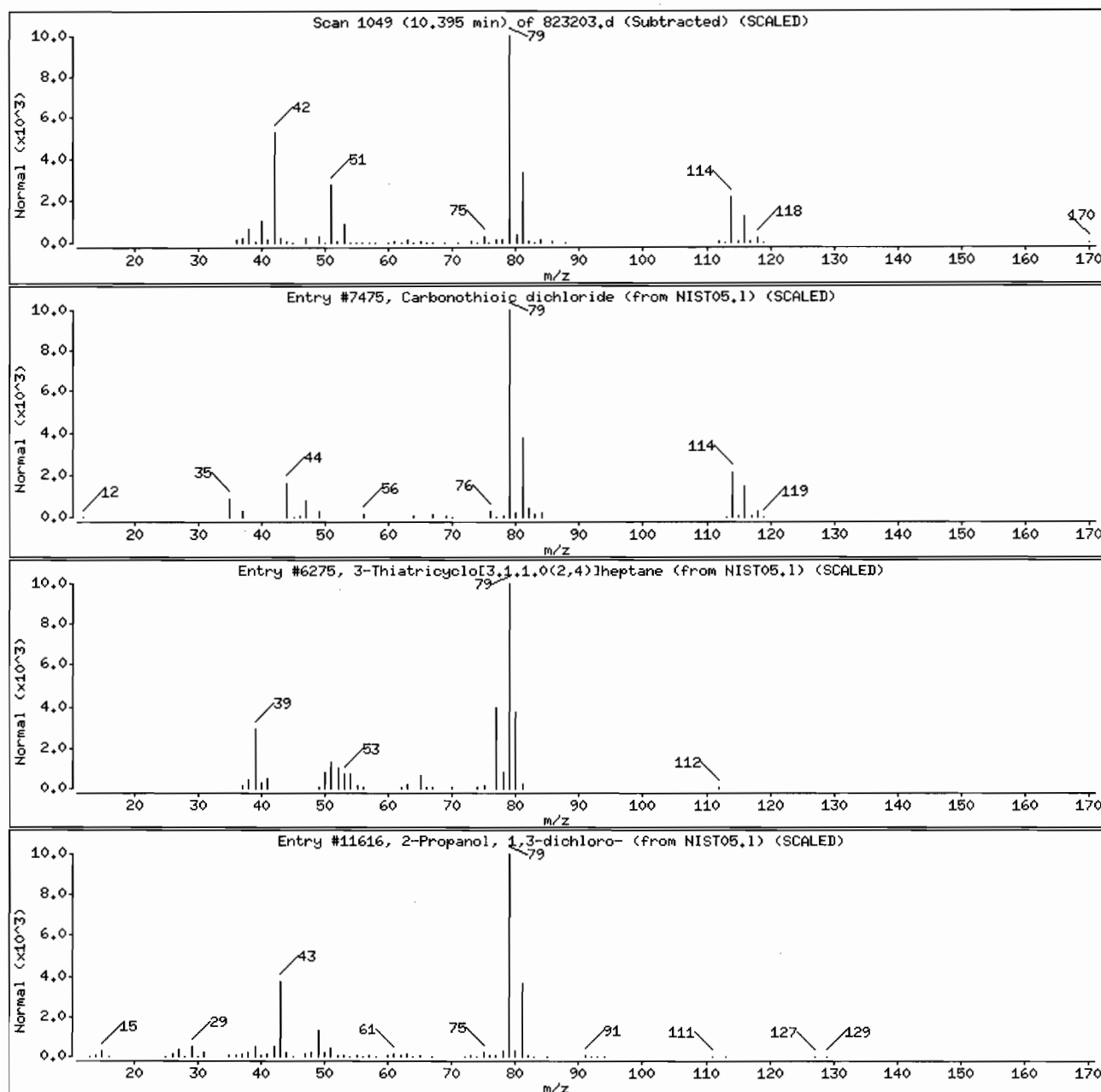
Purge Volume: 25.0

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	47	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128





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.: 136424
Instrument ID: M.i Calibration Date(s): 03/17/2010 03/17/2010
Heated Purge: (Y/N)N Calibration Time(s): 1332 1539
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = MBE005V		RRF1.0 = MBE01V			
RRF5.0 = MBE05V		RRF10 = MBE10V		RRF20 = MBE20V			
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
Dichlorodifluoromethane	0.576	0.552	0.560	0.574	0.581	0.569	2.2
Chloromethane	0.479	0.392	0.361	0.359	0.365	0.391	13.0
Vinyl chloride	0.421	0.391	0.399	0.414	0.424	0.410	3.5
Bromomethane	0.312	0.316	0.317	0.336	0.354	0.327	5.4
Chloroethane	0.250	0.241	0.256	0.263	0.272	0.257	4.6
Trichlorofluoromethane	0.817	0.776	0.779	0.798	0.815	0.797	2.4
1,1-Dichloroethene	0.378	0.356	0.360	0.361	0.378	0.366	2.9
1,1,2-Trichloro-							
1,2,2-trifluoroethane	0.823	0.747	0.757	0.759	0.781	0.773	4.0
Acetone	0.021	0.013	0.011	0.011	0.011	0.013	34.0
Carbon disulfide	1.197	1.077	1.059	1.081	1.134	1.110	5.1
Methyl acetate	0.040	0.042	0.042	0.043	0.044	0.042	3.4
Methylene chloride	0.243	0.229	0.235	0.242	0.249	0.239	3.3
trans-1,2-Dichloroethene	0.433	0.385	0.387	0.390	0.404	0.400	5.0
Methyl tert-butyl ether	0.294	0.267	0.279	0.287	0.299	0.285	4.4
1,1-Dichloroethane	0.785	0.756	0.751	0.761	0.783	0.767	2.1
cis-1,2-Dichloroethene	0.348	0.328	0.333	0.334	0.341	0.337	2.3
2-Butanone	0.025	0.021	0.023	0.024	0.025	0.024	6.4
Bromochloromethane	0.129	0.121	0.124	0.125	0.128	0.125	2.4
Chloroform	0.660	0.631	0.642	0.644	0.652	0.646	1.7
1,1,1-Trichloroethane	0.929	0.873	0.908	0.910	0.885	0.901	2.4
Cyclohexane	0.899	0.836	0.858	0.867	0.829	0.858	3.3
Carbon tetrachloride	0.888	0.845	0.868	0.874	0.844	0.864	2.2
Benzene	1.305	1.187	1.259	1.271	1.236	1.252	3.5
1,2-Dichloroethane	0.211	0.204	0.219	0.227	0.226	0.217	4.5
Trichloroethene	0.672	0.613	0.626	0.625	0.613	0.630	3.9
Methylcyclohexane	0.776	0.711	0.753	0.772	0.744	0.751	3.5

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.: 136424
Instrument ID: M.i Calibration Date(s): 03/17/2010 03/17/2010
Heated Purge: (Y/N)N Calibration Time(s): 1332 1539
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:	RRF0.5 = MBE005V	RRF1.0 = MBE01V					
RRF5.0 = MBE05V	RRF10 = MBE10V	RRF20 = MBE20V					
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
1,2-Dichloropropane	0.466	0.448	0.475	0.486	0.477	0.470	3.0
Bromodichloromethane	0.613	0.584	0.622	0.637	0.625	0.616	3.2
cis-1,3-Dichloropropene	0.536	0.499	0.530	0.541	0.532	0.528	3.2
4-Methyl-2-pentanone	0.098	0.093	0.100	0.105	0.102	0.100	4.9
Toluene	1.495	1.373	1.440	1.440	1.410	1.431	3.1
trans-1,3-Dichloropropene	0.337	0.327	0.338	0.356	0.356	0.343	3.8
1,1,2-Trichloroethane	0.204	0.180	0.188	0.194	0.196	0.192	4.7
Tetrachloroethene	0.647	0.585	0.606	0.613	0.614	0.613	3.6
2-Hexanone	0.067	0.062	0.068	0.071	0.070	0.068	5.1
Dibromochloromethane	0.356	0.344	0.369	0.392	0.395	0.371	6.0
1,2-Dibromoethane	0.276	0.258	0.279	0.288	0.293	0.279	4.8
Chlorobenzene	1.094	1.021	1.029	1.065	1.061	1.054	2.8
Ethylbenzene	1.994	1.852	1.890	1.937	1.839	1.902	3.3
o-Xylene	0.679	0.648	0.661	0.684	0.678	0.670	2.2
m,p-Xylene	0.798	0.730	0.758	0.789	0.793	0.774	3.7
Styrene	0.982	0.946	0.990	1.031	1.031	0.996	3.6
Bromoform	0.410	0.391	0.434	0.462	0.474	0.434	8.0
Isopropylbenzene	2.414	2.225	2.280	2.356	2.104	2.276	5.3
1,1,2,2-Tetrachloroethane	0.238	0.221	0.226	0.241	0.238	0.233	3.8
1,3-Dichlorobenzene	1.718	1.589	1.628	1.636	1.652	1.645	2.9
1,4-Dichlorobenzene	1.827	1.612	1.670	1.668	1.688	1.693	4.7
1,2-Dichlorobenzene	1.272	1.182	1.193	1.208	1.217	1.214	2.9
1,2-Dibromo-3-chloropropane	0.080	0.068	0.067	0.073	0.073	0.072	7.2
1,2,4-Trichlorobenzene	1.106	0.994	1.013	1.039	1.051	1.040	4.1
1,2,3-Trichlorobenzene	0.805	0.722	0.713	0.736	0.748	0.745	4.9

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.: 136424
Instrument ID: M.i Calibration Date(s): 03/17/2010 03/17/2010
Heated Purge: (Y/N)N Calibration Time(s): 1332 1539
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = MBE005V		RRF1.0 = MBE01V			
RRF5.0 = MBE05V		RRF10 = MBE10V		RRF20 = MBE20V			
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
Vinyl chloride-d3	0.416	0.368	0.377	0.394	0.404	0.392	4.9
Chloroethane-d5	0.350	0.313	0.315	0.324	0.338	0.328	4.8
1,1-Dichloroethene-d2	0.974	0.912	0.918	0.935	0.953	0.938	2.7
2-Butanone-d5	0.025	0.023	0.025	0.026	0.027	0.025	6.1
Chloroform-d	0.693	0.649	0.670	0.674	0.685	0.674	2.5
1,2-Dichloroethane-d4	0.185	0.169	0.175	0.177	0.180	0.177	3.5
Benzene-d6	1.363	1.233	1.278	1.282	1.250	1.281	3.9
1,2-Dichloropropane-d6	0.668	0.593	0.618	0.626	0.606	0.622	4.6
Toluene-d8	1.483	1.351	1.391	1.386	1.365	1.395	3.7
trans-1,3-Dichloropropene-d4	0.342	0.310	0.316	0.331	0.332	0.326	4.0
2-Hexanone-d5	0.038	0.036	0.038	0.040	0.040	0.038	3.7
1,1,2,2-Tetrachloroethane-d2	0.250	0.220	0.230	0.241	0.239	0.236	4.9
1,2-Dichlorobenzene-d4	0.934	0.784	0.796	0.801	0.807	0.824	7.5

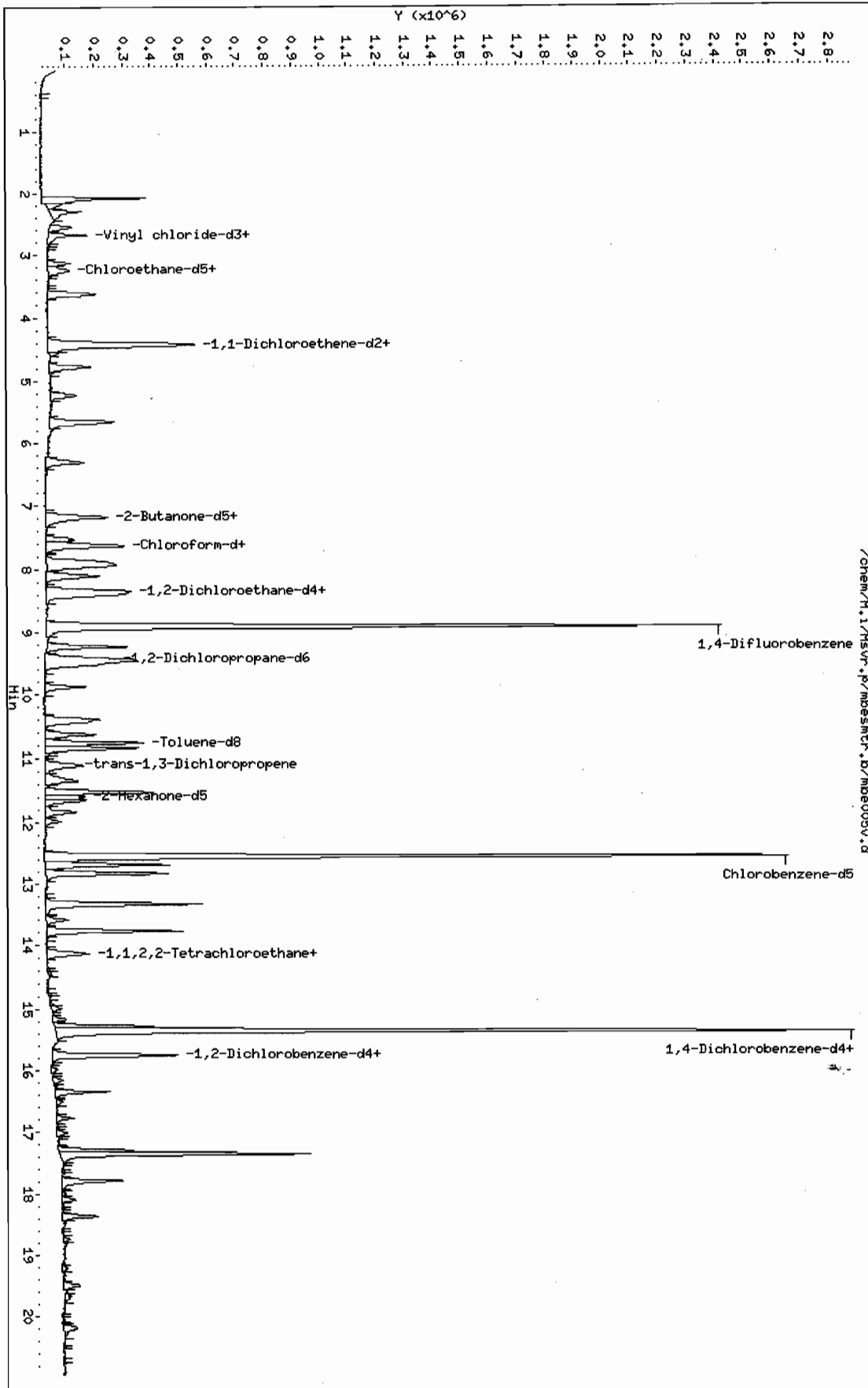
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/H.i/Hsivr.p/mbeasnr.b/mbe005v.d
Date: 17-MAR-2010 13:32
Client ID: VSTD0.SMI
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JH2
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbesmtr.b/mbe005v.d
Lab Smp Id: VSTD0.5MI Client Smp ID: VSTD0.5MI
Inj Date : 17-MAR-2010 13:32
Operator : JH2 Inst ID: M.i
Smp Info :
Misc Info : VSTD0.5MI,,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbesmtr.b/somtr4.m
Meth Date : 22-Mar-2010 10:21 jd1 Quant Type: ISTD
Cal Date : 17-MAR-2010 13:32 Cal File: mbe005v.d
Als bottle: 2 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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.287	2.290	(0.257)		222835	0.50000	0.51
2 Chloromethane	50	2.544	2.537	(0.286)		185420	0.50000	0.61
\$ 3 Vinyl chloride-d3	65	2.662	2.666	(0.299)		160995	0.50000	0.53
4 Vinyl chloride	62	2.672	2.676	(0.301)		162794	0.50000	0.51
5 Bromomethane	94	3.127	3.121	(0.352)		120590	0.50000	0.48 (a)
\$ 6 Chloroethane-d5	69	3.226	3.229	(0.363)		135464	0.50000	0.53
7 Chloroethane	64	3.266	3.259	(0.367)		96889	0.50000	0.49 (a)
8 Trichlorofluoromethane	101	3.622	3.625	(0.407)		316411	0.50000	0.51
\$ 9 1,1-Dichloroethene-d2	63	4.393	4.396	(0.494)		376940	0.50000	0.52
10 1,1-Dichloroethene	96	4.413	4.416	(0.496)		146340	0.50000	0.52
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.432	4.416	(0.498)		318748	0.50000	0.53
12 Acetone	43	4.541	4.545	(0.511)		81860	5.00000	8.0
13 Carbon disulfide	76	4.759	4.762	(0.535)		463511	0.50000	0.54
14 Methyl acetate	43	5.075	5.079	(0.571)		15626	0.50000	0.48 (aM)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride		84	5.214	5.217	(0.586)	93900	0.50000	0.51
16 trans-1,2-Dichloroethene		96	5.649	5.652	(0.635)	167612	0.50000	0.54
17 Methyl tert-butyl ether		73	5.668	5.672	(0.637)	113698	0.50000	0.51
18 1,1-Dichloroethane		63	6.311	6.315	(0.710)	303897	0.50000	0.51
\$ 19 2-Butanone-d5		46	7.162	7.155	(0.805)	97239	5.00000	5.0
20 cis-1,2-Dichloroethene		96	7.181	7.185	(0.808)	134676	0.50000	0.52
21 2-Butanone		43	7.241	7.244	(0.814)	96407	5.00000	5.2
22 Bromochloromethane		128	7.527	7.521	(0.847)	49812	0.50000	0.51
\$ 23 Chloroform-d		84	7.607	7.610	(0.855)	268394	0.50000	0.51
24 Chloroform		83	7.646	7.640	(0.860)	255653	0.50000	0.51
25 1,1,1-Trichloroethane		97	7.874	7.877	(0.628)	269703	0.50000	0.52
26 Cyclohexane		56	7.933	7.936	(0.633)	261033	0.50000	0.52
27 Carbon tetrachloride		117	8.091	8.104	(0.645)	257855	0.50000	0.51
\$ 28 1,2-Dichloroethane-d4		65	8.328	8.322	(0.937)	71659	0.50000	0.52 (Q)
\$ 29 Benzene-d6		84	8.328	8.332	(0.664)	395709	0.50000	0.53
30 Benzene		78	8.388	8.381	(0.669)	378698	0.50000	0.52
31 1,2-Dichloroethane		62	8.417	8.421	(0.947)	81690	0.50000	0.49 (a)
* 32 1,4-Difluorobenzene		114	8.892	8.895	(1.000)	3870771	5.00000	
33 Trichloroethene		95	9.228	9.232	(0.736)	194893	0.50000	0.53
\$ 34 1,2-Dichloropropane-d6		67	9.416	9.410	(0.751)	193946	0.50000	0.54
35 Methylcyclohexane		55	9.456	9.459	(0.754)	225207	0.50000	0.52
36 1,2-Dichloropropane		63	9.525	9.528	(0.760)	135191	0.50000	0.50
37 Bromodichloromethane		83	9.881	9.884	(0.788)	177941	0.50000	0.50
38 cis-1,3-Dichloropropene		75	10.435	10.438	(0.832)	155620	0.50000	0.51
39 4-Methyl-2-pentanone		43	10.632	10.636	(0.848)	283697	5.00000	4.9 (a)
\$ 40 Toluene-d8		98	10.761	10.764	(0.858)	430366	0.50000	0.53
41 Toluene		91	10.840	10.843	(0.864)	433910	0.50000	0.52
\$ 42 trans-1,3-Dichloropropene-d4		79	11.087	11.081	(0.884)	99209	0.50000	0.52
43 trans-1,3-Dichloropropene		75	11.117	11.120	(0.886)	97667	0.50000	0.49 (aQ)
44 1,1,2-Trichloroethane		97	11.354	11.348	(0.905)	59095	0.50000	0.53
45 Tetrachloroethene		164	11.522	11.516	(0.919)	187849	0.50000	0.53
\$ 46 2-Hexanone-d5		63	11.592	11.585	(0.924)	111468	5.00000	5.0
47 2-Hexanone		43	11.651	11.654	(0.929)	194873	5.00000	5.0
48 Dibromochloromethane		129	11.839	11.842	(0.944)	103409	0.50000	0.48 (a)
49 1,2-Dibromoethane		107	11.997	11.990	(0.957)	80235	0.50000	0.50
* 50 Chlorobenzene-d5		117	12.541	12.534	(1.000)	2902330	5.00000	
51 Chlorobenzene		112	12.580	12.574	(1.003)	317542	0.50000	0.52
52 Ethylbenzene		91	12.689	12.692	(1.012)	578697	0.50000	0.52
53 m,p-Xylene		106	12.828	12.831	(1.023)	231542	0.50000	0.52
54 Styrene		104	13.342	13.335	(1.064)	285115	0.50000	0.49 (a)
55 o-Xylene		106	13.322	13.315	(1.062)	197078	0.50000	0.51
56 Bromoform		173	13.589	13.582	(0.886)	56507	0.50000	0.47 (a)
57 Isopropylbenzene		105	13.757	13.760	(1.097)	700491	0.50000	0.53
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.103	14.097	(1.125)	72672	0.50000	0.53
59 1,1,2,2-Tetrachloroethane		83	14.133	14.136	(1.127)	69113	0.50000	0.51
60 1,3-Dichlorobenzene		146	15.260	15.254	(0.995)	237046	0.50000	0.52
* 61 1,4-Dichlorobenzene-d4		152	15.329	15.323	(1.000)	1379566	5.00000	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.349	15.352	(1.001)	252092	0.50000	0.54
\$ 63 1,2-Dichlorobenzene-d4	152	15.735	15.728	(1.026)	128830	0.50000	0.57
64 1,2-Dichlorobenzene	146	15.745	15.748	(1.027)	175418	0.50000	0.52
65 1,2-Dibromo-3-chloropropane	75	16.496	16.499	(1.076)	11078	0.50000	0.56
66 1,2,4-Trichlorobenzene	180	17.277	17.281	(1.127)	152524	0.50000	0.53
67 1,2,3-Trichlorobenzene	180	17.772	17.765	(1.159)	111102	0.50000	0.54

QC Flag Legend

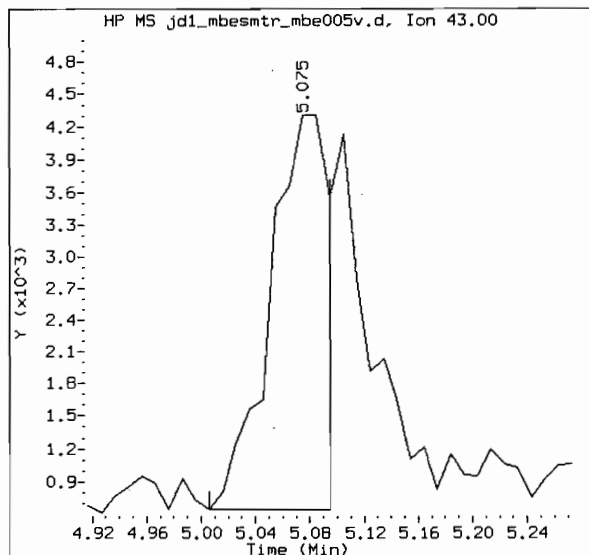
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: mbe005v.d
Client Sample ID: VSTD0.5MI
Compound Name: Methyl acetate

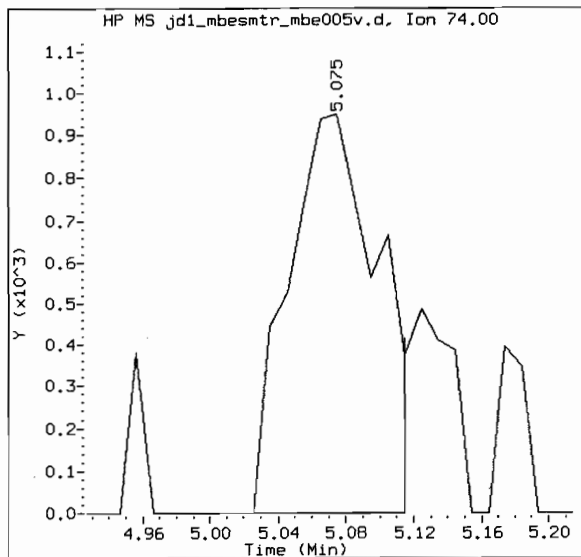
Inj. Date and Time: 17-MAR-2010 13:32
Instrument ID: M.i
CAS #: 79-20-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 03/22/2010 10:21

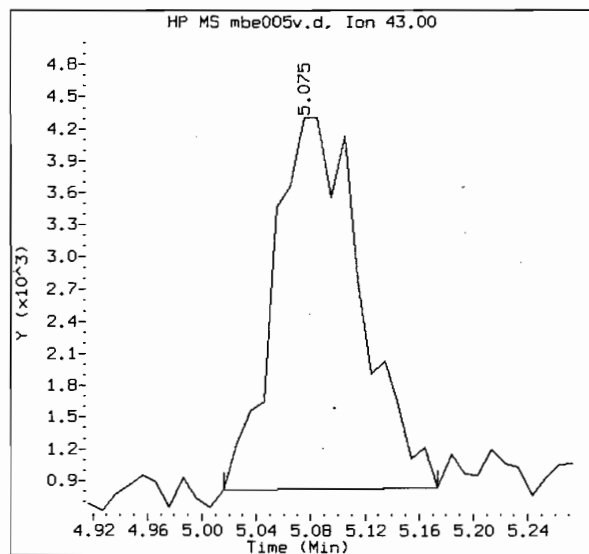


Original Integrations:

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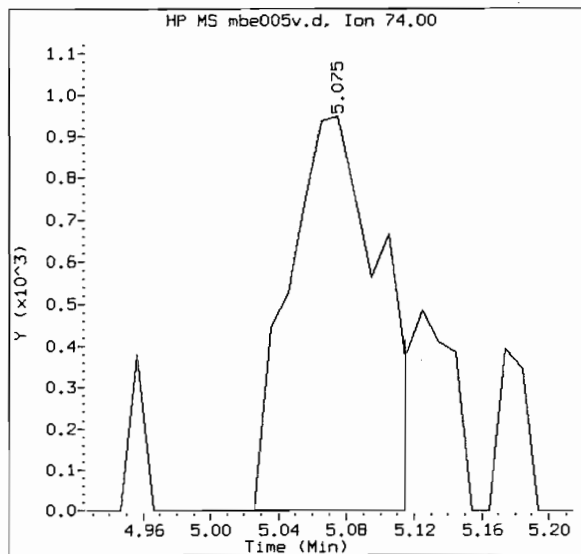
Area = 3523



Final Integrations:

Area = 15626

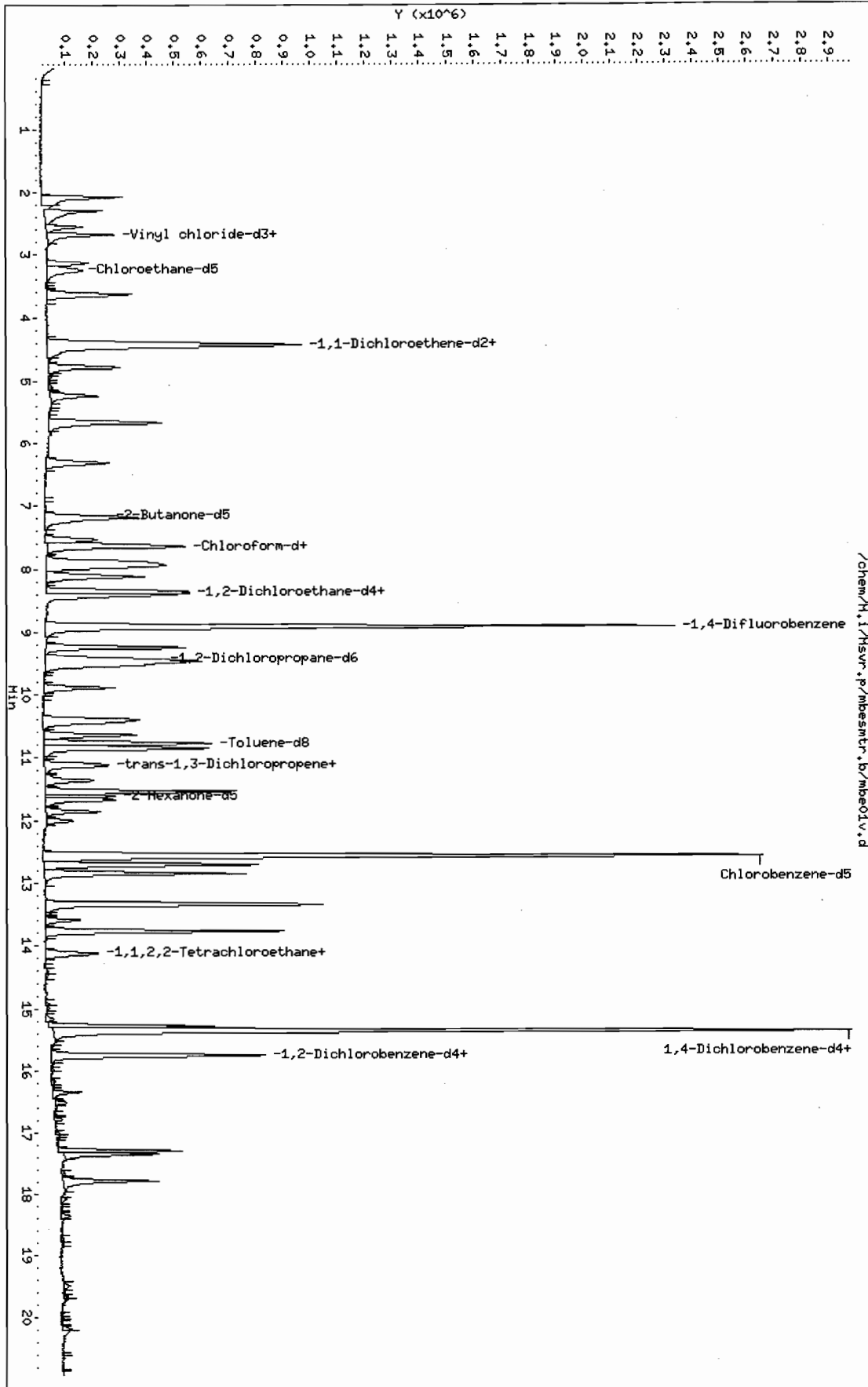
Manual Integration Reason: M11 - Poor automated baseline



Area = 3523

Data File: /chem/H.i/Hsvr.p/mbsmtr.b/mbe01v.d
Date: 17-MAR-2010 14:04
Client ID: VSTD001HI
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbesmtr.b/mbe01v.d
Lab Smp Id: VSTD001MI Client Smp ID: VSTD001MI
Inj Date : 17-MAR-2010 14:04
Operator : JH2 Inst ID: M.i
Smp Info :
Misc Info : VSTD001MI,,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbesmtr.b/somtr4.m
Meth Date : 22-Mar-2010 10:21 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 14:04 Cal File: mbe01v.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	2.290	2.290	(0.257)	410862	1.00000	0.97
2 Chloromethane	50	2.538	2.537	(0.285)	292088	1.00000	1.0
\$ 3 Vinyl chloride-d3	65	2.666	2.666	(0.300)	274352	1.00000	0.94
4 Vinyl chloride	62	2.676	2.676	(0.301)	290814	1.00000	0.95
5 Bromomethane	94	3.121	3.121	(0.351)	235040	1.00000	0.97
\$ 6 Chloroethane-d5	69	3.230	3.229	(0.363)	232747	1.00000	0.95
7 Chloroethane	64	3.269	3.259	(0.368)	179596	1.00000	0.94
8 Trichlorofluoromethane	101	3.625	3.625	(0.408)	577523	1.00000	0.97
\$ 9 1,1-Dichloroethene-d2	63	4.406	4.396	(0.495)	678810	1.00000	0.97
10 1,1-Dichloroethene	96	4.426	4.416	(0.498)	264814	1.00000	0.97
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.426	4.416	(0.498)	556062	1.00000	0.97
12 Acetone	43	4.555	4.545	(0.512)	93232	10.0000	9.5
13 Carbon disulfide	76	4.762	4.762	(0.535)	801993	1.00000	0.97
14 Methyl acetate	43	5.089	5.079	(0.572)	31473	1.00000	1.00

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.227	5.217	(0.588)	170382	1.00000	0.96
16 trans-1,2-Dichloroethene	96	5.652	5.652	(0.635)	286457	1.00000	0.96
17 Methyl tert-butyl ether	73	5.662	5.672	(0.636)	198806	1.00000	0.94
18 1,1-Dichloroethane	63	6.315	6.315	(0.710)	562557	1.00000	0.98
\$ 19 2-Butanone-d5	46	7.155	7.155	(0.804)	172716	10.0000	9.2
20 cis-1,2-Dichloroethene	96	7.185	7.185	(0.808)	244440	1.00000	0.97
21 2-Butanone	43	7.254	7.244	(0.815)	158745	10.0000	9.0
22 Bromochloromethane	128	7.521	7.521	(0.845)	90368	1.00000	0.97
\$ 23 Chloroform-d	84	7.610	7.610	(0.855)	482937	1.00000	0.96
24 Chloroform	83	7.640	7.640	(0.859)	470082	1.00000	0.98
25 1,1,1-Trichloroethane	97	7.867	7.877	(0.627)	491963	1.00000	0.97
26 Cyclohexane	56	7.937	7.936	(0.633)	470699	1.00000	0.97
27 Carbon tetrachloride	117	8.105	8.104	(0.646)	476189	1.00000	0.98
\$ 28 1,2-Dichloroethane-d4	65	8.322	8.322	(0.936)	125643	1.00000	0.95 (Q)
\$ 29 Benzene-d6	84	8.332	8.332	(0.664)	694556	1.00000	0.96
30 Benzene	78	8.382	8.381	(0.668)	668723	1.00000	0.95
31 1,2-Dichloroethane	62	8.421	8.421	(0.947)	151847	1.00000	0.94
* 32 1,4-Difluorobenzene	114	8.896	8.895	(1.000)	3722615	5.00000	
33 Trichloroethene	95	9.232	9.232	(0.736)	345254	1.00000	0.97
\$ 34 1,2-Dichloropropane-d6	67	9.420	9.410	(0.751)	334112	1.00000	0.95
35 Methylcyclohexane	55	9.469	9.459	(0.755)	400468	1.00000	0.95
36 1,2-Dichloropropane	63	9.529	9.528	(0.760)	252569	1.00000	0.95
37 Bromodichloromethane	83	9.894	9.884	(0.789)	329205	1.00000	0.95
38 cis-1,3-Dichloropropene	75	10.438	10.438	(0.832)	280802	1.00000	0.94
39 4-Methyl-2-pentanone	43	10.636	10.636	(0.848)	521323	10.0000	9.3
\$ 40 Toluene-d8	98	10.765	10.764	(0.858)	760948	1.00000	0.97
41 Toluene	91	10.844	10.843	(0.864)	773147	1.00000	0.96
\$ 42 trans-1,3-Dichloropropene-d4	79	11.091	11.081	(0.884)	174516	1.00000	0.95
43 trans-1,3-Dichloropropene	75	11.130	11.120	(0.887)	183958	1.00000	0.95
44 1,1,2-Trichloroethane	97	11.348	11.348	(0.905)	101217	1.00000	0.93
45 Tetrachloroethene	164	11.526	11.516	(0.919)	329552	1.00000	0.95
\$ 46 2-Hexanone-d5	63	11.595	11.585	(0.924)	204307	10.0000	9.4
47 2-Hexanone	43	11.655	11.654	(0.929)	349732	10.0000	9.2
48 Dibromochloromethane	129	11.842	11.842	(0.944)	193771	1.00000	0.93
49 1,2-Dibromoethane	107	11.991	11.990	(0.956)	145567	1.00000	0.93
* 50 Chlorobenzene-d5	117	12.544	12.534	(1.000)	2816349	5.00000	
51 Chlorobenzene	112	12.574	12.574	(1.002)	575027	1.00000	0.97
52 Ethylbenzene	91	12.693	12.692	(1.012)	1043221	1.00000	0.97
53 m,p-Xylene	106	12.841	12.831	(1.024)	411435	1.00000	0.94
54 Styrene	104	13.345	13.335	(1.064)	532993	1.00000	0.95
55 o-Xylene	106	13.326	13.315	(1.062)	365099	1.00000	0.97
56 Bromoform	173	13.583	13.582	(0.886)	107334	1.00000	0.90
57 Isopropylbenzene	105	13.761	13.760	(1.097)	1253203	1.00000	0.98
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.107	14.097	(1.125)	124183	1.00000	0.93
59 1,1,2,2-Tetrachloroethane	83	14.137	14.136	(1.127)	124546	1.00000	0.95
60 1,3-Dichlorobenzene	146	15.264	15.254	(0.995)	436558	1.00000	0.97
* 61 1,4-Dichlorobenzene-d4	152	15.333	15.323	(1.000)	1373306	5.00000	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.353	15.352	(1.001)	442883	1.00000	0.95
\$ 63 1,2-Dichlorobenzene-d4	152	15.729	15.728	(1.026)	215351	1.00000	0.95
64 1,2-Dichlorobenzene	146	15.748	15.748	(1.027)	324625	1.00000	0.97
65 1,2-Dibromo-3-chloropropane	75	16.500	16.499	(1.076)	18639	1.00000	0.94
66 1,2,4-Trichlorobenzene	180	17.281	17.281	(1.127)	272897	1.00000	0.95
67 1,2,3-Trichlorobenzene	180	17.775	17.765	(1.159)	198296	1.00000	0.97

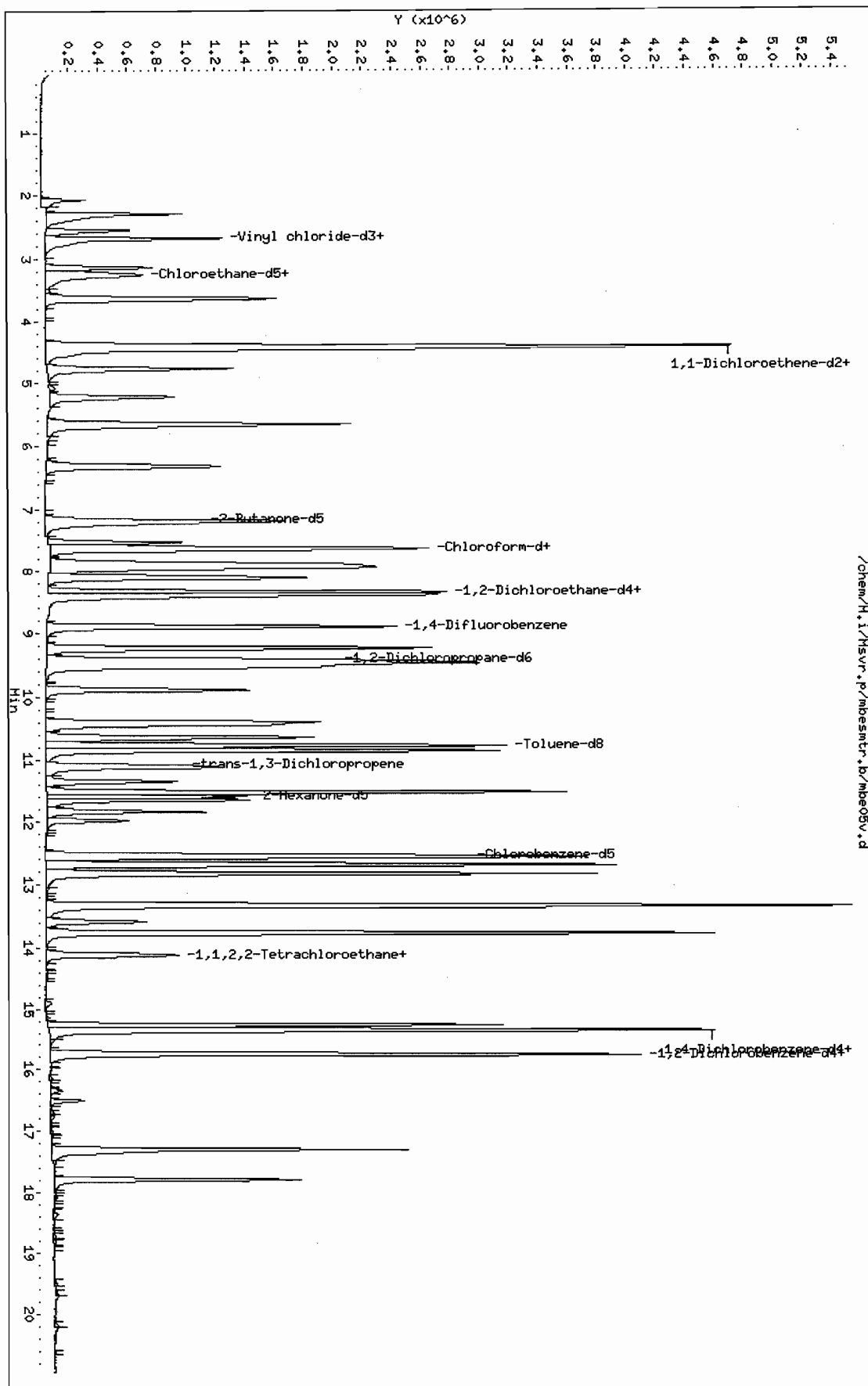
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msivr.p/mbeasmr.b/mbe05v.d
Date: 17-MAR-2010 14:35
Client ID: VSTD005M1
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: JH2
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbesmtr.b/mbe05v.d
Lab Smp Id: VSTD005MI Client Smp ID: VSTD005MI
Inj Date : 17-MAR-2010 14:35
Operator : JH2 Inst ID: M.i
Smp Info :
Misc Info : VSTD005MI,,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbesmtr.b/somtr4.m
Meth Date : 22-Mar-2010 10:21 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 14:35 Cal File: mbe05v.d
Als bottle: 4 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	AMOUNTS					
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.290	2.290	(0.257)	2085160	5.00000	4.9
2 Chloromethane	50	2.537	2.537	(0.285)	1345130	5.00000	4.6
\$ 3 Vinyl chloride-d3	65	2.666	2.666	(0.300)	1404905	5.00000	4.8
4 Vinyl chloride	62	2.676	2.676	(0.301)	1487150	5.00000	4.9
5 Bromomethane	94	3.121	3.121	(0.351)	1180895	5.00000	4.8
\$ 6 Chloroethane-d5	69	3.229	3.229	(0.363)	1172827	5.00000	4.8
7 Chloroethane	64	3.259	3.259	(0.366)	955555	5.00000	5.0
8 Trichlorofluoromethane	101	3.625	3.625	(0.408)	2903779	5.00000	4.9
\$ 9 1,1-Dichloroethene-d2	63	4.396	4.396	(0.494)	3419830	5.00000	4.9
10 1,1-Dichloroethene	96	4.416	4.416	(0.496)	1339899	5.00000	4.9
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.416	4.416	(0.496)	2819102	5.00000	4.9
12 Acetone	43	4.545	4.545	(0.511)	404432	50.0000	41
13 Carbon disulfide	76	4.762	4.762	(0.535)	3947280	5.00000	4.8
14 Methyl acetate	43	5.079	5.079	(0.571)	155707	5.00000	4.9

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.217	5.217	(0.586)	873821	5.00000	4.9
16 trans-1,2-Dichloroethene	96	5.652	5.652	(0.635)	1441965	5.00000	4.8
17 Methyl tert-butyl ether	73	5.672	5.672	(0.638)	1041395	5.00000	4.9
18 1,1-Dichloroethane	63	6.315	6.315	(0.710)	2797628	5.00000	4.9
\$ 19 2-Butanone-d5	46	7.155	7.155	(0.804)	918002	50.0000	49
20 cis-1,2-Dichloroethene	96	7.185	7.185	(0.808)	1239769	5.00000	4.9
21 2-Butanone	43	7.244	7.244	(0.814)	862882	50.0000	49
22 Bromochloromethane	128	7.521	7.521	(0.845)	460168	5.00000	4.9
\$ 23 Chloroform-d	84	7.610	7.610	(0.855)	2498289	5.00000	5.0
24 Chloroform	83	7.640	7.640	(0.859)	2390425	5.00000	5.0
25 1,1,1-Trichloroethane	97	7.877	7.877	(0.628)	2555588	5.00000	5.0
26 Cyclohexane	56	7.936	7.936	(0.633)	2416851	5.00000	5.0
27 Carbon tetrachloride	117	8.104	8.104	(0.647)	2443605	5.00000	5.0
\$ 28 1,2-Dichloroethane-d4	65	8.322	8.322	(0.936)	650689	5.00000	4.9
\$ 29 Benzene-d6	84	8.332	8.332	(0.665)	3597029	5.00000	5.0
30 Benzene	78	8.381	8.381	(0.669)	3543708	5.00000	5.0
31 1,2-Dichloroethane	62	8.421	8.421	(0.947)	816042	5.00000	5.0
* 32 1,4-Difluorobenzene	114	8.895	8.895	(1.000)	3726012	5.00000	
33 Trichloroethene	95	9.232	9.232	(0.736)	1761216	5.00000	5.0
\$ 34 1,2-Dichloropropane-d6	67	9.410	9.410	(0.751)	1739504	5.00000	5.0
35 Methylcyclohexane	55	9.459	9.459	(0.755)	2121379	5.00000	5.0
36 1,2-Dichloropropane	63	9.528	9.528	(0.760)	1336312	5.00000	5.0
37 Bromodichloromethane	83	9.884	9.884	(0.789)	1750783	5.00000	5.0
38 cis-1,3-Dichloropropene	75	10.438	10.438	(0.833)	1493504	5.00000	5.0
39 4-Methyl-2-pentanone	43	10.636	10.636	(0.849)	2811948	50.0000	50
\$ 40 Toluene-d8	98	10.764	10.764	(0.859)	3916807	5.00000	5.0
41 Toluene	91	10.843	10.843	(0.865)	4053986	5.00000	5.0
\$ 42 trans-1,3-Dichloropropene-d4	79	11.081	11.081	(0.884)	890342	5.00000	4.8
43 trans-1,3-Dichloropropene	75	11.120	11.120	(0.887)	950859	5.00000	4.9
44 1,1,2-Trichloroethane	97	11.348	11.348	(0.905)	528173	5.00000	4.9
45 Tetrachloroethene	164	11.516	11.516	(0.919)	1707671	5.00000	4.9
\$ 46 2-Hexanone-d5	63	11.585	11.585	(0.924)	1078075	50.0000	50
47 2-Hexanone	43	11.654	11.654	(0.930)	1908858	50.0000	50
48 Dibromochloromethane	129	11.842	11.842	(0.945)	1038476	5.00000	5.0
49 1,2-Dibromoethane	107	11.990	11.990	(0.957)	785525	5.00000	5.0
* 50 Chlorobenzene-d5	117	12.534	12.534	(1.000)	2815653	5.00000	
51 Chlorobenzene	112	12.574	12.574	(1.003)	2897020	5.00000	4.9
52 Ethylbenzene	91	12.692	12.692	(1.013)	5321434	5.00000	5.0
53 m,p-Xylene	106	12.831	12.831	(1.024)	2134056	5.00000	4.9
54 Styrene	104	13.335	13.335	(1.064)	2787129	5.00000	5.0
55 o-Xylene	106	13.315	13.315	(1.062)	1859791	5.00000	4.9
56 Bromoform	173	13.582	13.582	(0.886)	599608	5.00000	5.0
57 Isopropylbenzene	105	13.760	13.760	(1.098)	6420573	5.00000	5.0
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.097	14.097	(1.125)	646423	5.00000	4.9
59 1,1,2,2-Tetrachloroethane	83	14.136	14.136	(1.128)	636006	5.00000	4.9
60 1,3-Dichlorobenzene	146	15.254	15.254	(0.995)	2251353	5.00000	4.9
* 61 1,4-Dichlorobenzene-d4	152	15.323	15.323	(1.000)	1382712	5.00000	

Data File: /chem/M.i/Msvr.p/mbesmtr.b/mbe05v.d
Report Date: 22-Mar-2010 10:21

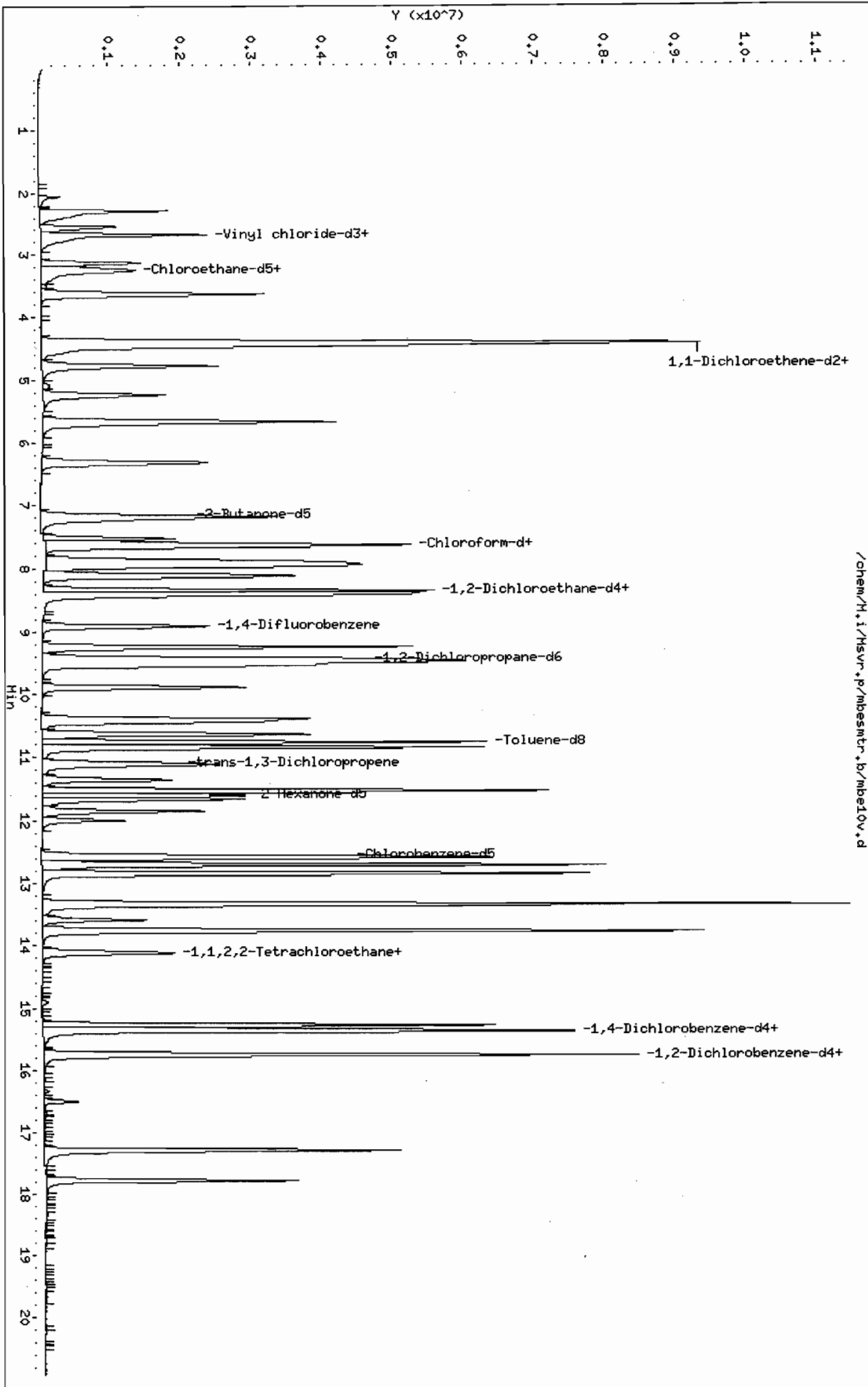
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Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS					CAL-AMT (ug/L)	ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	15.352	15.352	(1.002)	2308637	5.00000	4.9
\$ 63 1,2-Dichlorobenzene-d4	152	15.728	15.728	(1.026)	1100166	5.00000	4.8
64 1,2-Dichlorobenzene	146	15.748	15.748	(1.028)	1649139	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	16.499	16.499	(1.077)	93144	5.00000	4.7
66 1,2,4-Trichlorobenzene	180	17.281	17.281	(1.128)	1400872	5.00000	4.9
67 1,2,3-Trichlorobenzene	180	17.765	17.765	(1.159)	985855	5.00000	4.8

Data File: /chem/H.i/Hsvr.p/mbsmr.b/mbe10v.d
Date: 17-MAR-2010 15:07
Client ID: VSTD010H1
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: JH2
Column diameter: 0.53

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Data File: /chem/M.i/Msvr.p/mbesmtr.b/mbel0v.d
Report Date: 22-Mar-2010 10:21

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbesmtr.b/mbel0v.d
Lab Smp Id: VSTD010MI Client Smp ID: VSTD010MI
Inj Date : 17-MAR-2010 15:07
Operator : JH2 Inst ID: M.i
Smp Info :
Misc Info : VSTD010MI,,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbesmtr.b/somtr4.m
Meth Date : 22-Mar-2010 10:21 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:07 Cal File: mbel0v.d
Als bottle: 5 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	ON-COL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane		85	2.286	2.290	(0.257)	4233352	10.0000	10
2 Chloromethane		50	2.543	2.537	(0.286)	2646710	10.0000	9.2
\$ 3 Vinyl chloride-d3		65	2.662	2.666	(0.299)	2903117	10.0000	10
4 Vinyl chloride		62	2.671	2.676	(0.300)	3050657	10.0000	10
5 Bromomethane		94	3.116	3.121	(0.350)	2478376	10.0000	10
\$ 6 Chloroethane-d5		69	3.225	3.229	(0.363)	2390160	10.0000	9.9
7 Chloroethane		64	3.255	3.259	(0.366)	1941514	10.0000	10
8 Trichlorofluoromethane		101	3.621	3.625	(0.407)	5885196	10.0000	10
\$ 9 1,1-Dichloroethene-d2		63	4.392	4.396	(0.494)	6892896	10.0000	10
10 1,1-Dichloroethene		96	4.412	4.416	(0.496)	2661117	10.0000	9.8
11 1,1,2-Trichloro-1,2,2-trifluo		101	4.422	4.416	(0.497)	5599141	10.0000	9.8
12 Acetone		43	4.540	4.545	(0.511)	791295	100.000	81
13 Carbon disulfide		76	4.758	4.762	(0.535)	7972815	10.0000	9.7
14 Methyl acetate		43	5.084	5.079	(0.572)	318542	10.0000	10

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	(ug/L)
15 Methylene chloride		84	5.223	5.217	(0.587)	1781185	10.0000	10
16 trans-1,2-Dichloroethene		96	5.648	5.652	(0.635)	2877525	10.0000	9.8
17 Methyl tert-butyl ether		73	5.668	5.672	(0.637)	2119913	10.0000	10
18 1,1-Dichloroethane		63	6.310	6.315	(0.710)	5613705	10.0000	9.9
\$ 19 2-Butanone-d5		46	7.151	7.155	(0.804)	1929131	100.000	100
20 cis-1,2-Dichloroethene		96	7.180	7.185	(0.808)	2465772	10.0000	9.9
21 2-Butanone		43	7.240	7.244	(0.814)	1794540	100.000	100
22 Bromochloromethane		128	7.527	7.521	(0.847)	922487	10.0000	10
\$ 23 Chloroform-d		84	7.616	7.610	(0.857)	4972732	10.0000	10
24 Chloroform		83	7.635	7.640	(0.859)	4747143	10.0000	10
25 1,1,1-Trichloroethane		97	7.873	7.877	(0.628)	5083335	10.0000	10
26 Cyclohexane		56	7.932	7.936	(0.633)	4844768	10.0000	10
27 Carbon tetrachloride		117	8.100	8.104	(0.646)	4883720	10.0000	10
\$ 28 1,2-Dichloroethane-d4		65	8.318	8.322	(0.935)	1307851	10.0000	10 (Q)
\$ 29 Benzene-d6		84	8.328	8.332	(0.664)	7162183	10.0000	10
30 Benzene		78	8.387	8.381	(0.669)	7101789	10.0000	10
31 1,2-Dichloroethane		62	8.416	8.421	(0.947)	1673399	10.0000	10
* 32 1,4-Difluorobenzene		114	8.891	8.895	(1.000)	3687441	5.00000	
33 Trichloroethene		95	9.227	9.232	(0.736)	3492211	10.0000	9.9
\$ 34 1,2-Dichloropropane-d6		67	9.415	9.410	(0.751)	3498160	10.0000	10
35 Methylcyclohexane		55	9.465	9.459	(0.755)	4313773	10.0000	10
36 1,2-Dichloropropane		63	9.524	9.528	(0.759)	2714992	10.0000	10
37 Bromodichloromethane		83	9.880	9.884	(0.788)	3560301	10.0000	10
38 cis-1,3-Dichloropropene		75	10.434	10.438	(0.832)	3022852	10.0000	10
39 4-Methyl-2-pentanone		43	10.631	10.636	(0.848)	5886785	100.000	110
\$ 40 Toluene-d8		98	10.760	10.764	(0.858)	7745623	10.0000	9.9
41 Toluene		91	10.839	10.843	(0.864)	8045128	10.0000	10
\$ 42 trans-1,3-Dichloropropene-d4		79	11.076	11.081	(0.883)	1850633	10.0000	10
43 trans-1,3-Dichloropropene		75	11.116	11.120	(0.886)	1990180	10.0000	10
44 1,1,2-Trichloroethane		97	11.343	11.348	(0.905)	1083188	10.0000	10
45 Tetrachloroethene		164	11.512	11.516	(0.918)	3423540	10.0000	10
\$ 46 2-Hexanone-d5		63	11.591	11.585	(0.924)	2228101	100.000	100
47 2-Hexanone		43	11.650	11.654	(0.929)	3950479	100.000	100
48 Dibromochloromethane		129	11.838	11.842	(0.944)	2192152	10.0000	11
49 1,2-Dibromoethane		107	11.986	11.990	(0.956)	1607409	10.0000	10
* 50 Chlorobenzene-d5		117	12.540	12.534	(1.000)	2793858	5.00000	
51 Chlorobenzene		112	12.570	12.574	(1.002)	5949052	10.0000	10
52 Ethylbenzene		91	12.688	12.692	(1.012)	10822633	10.0000	10
53 m,p-Xylene		106	12.827	12.831	(1.023)	4410071	10.0000	10
54 Styrene		104	13.331	13.335	(1.063)	5763303	10.0000	10
55 o-Xylene		106	13.321	13.315	(1.062)	3821257	10.0000	10
56 Bromoform		173	13.578	13.582	(0.886)	1313974	10.0000	11
57 Isopropylbenzene		105	13.756	13.760	(1.097)	13167109	10.0000	10
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.092	14.097	(1.124)	1349326	10.0000	10
59 1,1,2,2-Tetrachloroethane		83	14.132	14.136	(1.127)	1349186	10.0000	10
60 1,3-Dichlorobenzene		146	15.249	15.254	(0.995)	4649896	10.0000	9.9
* 61 1,4-Dichlorobenzene-d4		152	15.319	15.323	(1.000)	1420695	5.00000	

						AMOUNTS	
		QUANT		SIG		CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.348	15.352	(1.002)	4738215	10.0000	9.8
\$ 63 1,2-Dichlorobenzene-d4	152	15.724	15.728	(1.026)	2275170	10.0000	9.7
64 1,2-Dichlorobenzene	146	15.744	15.748	(1.028)	3432870	10.0000	10
65 1,2-Dibromo-3-chloropropane	75	16.495	16.499	(1.077)	207098	10.0000	10
66 1,2,4-Trichlorobenzene	180	17.276	17.281	(1.128)	2951417	10.0000	10
67 1,2,3-Trichlorobenzene	180	17.761	17.765	(1.159)	2092108	10.0000	9.9

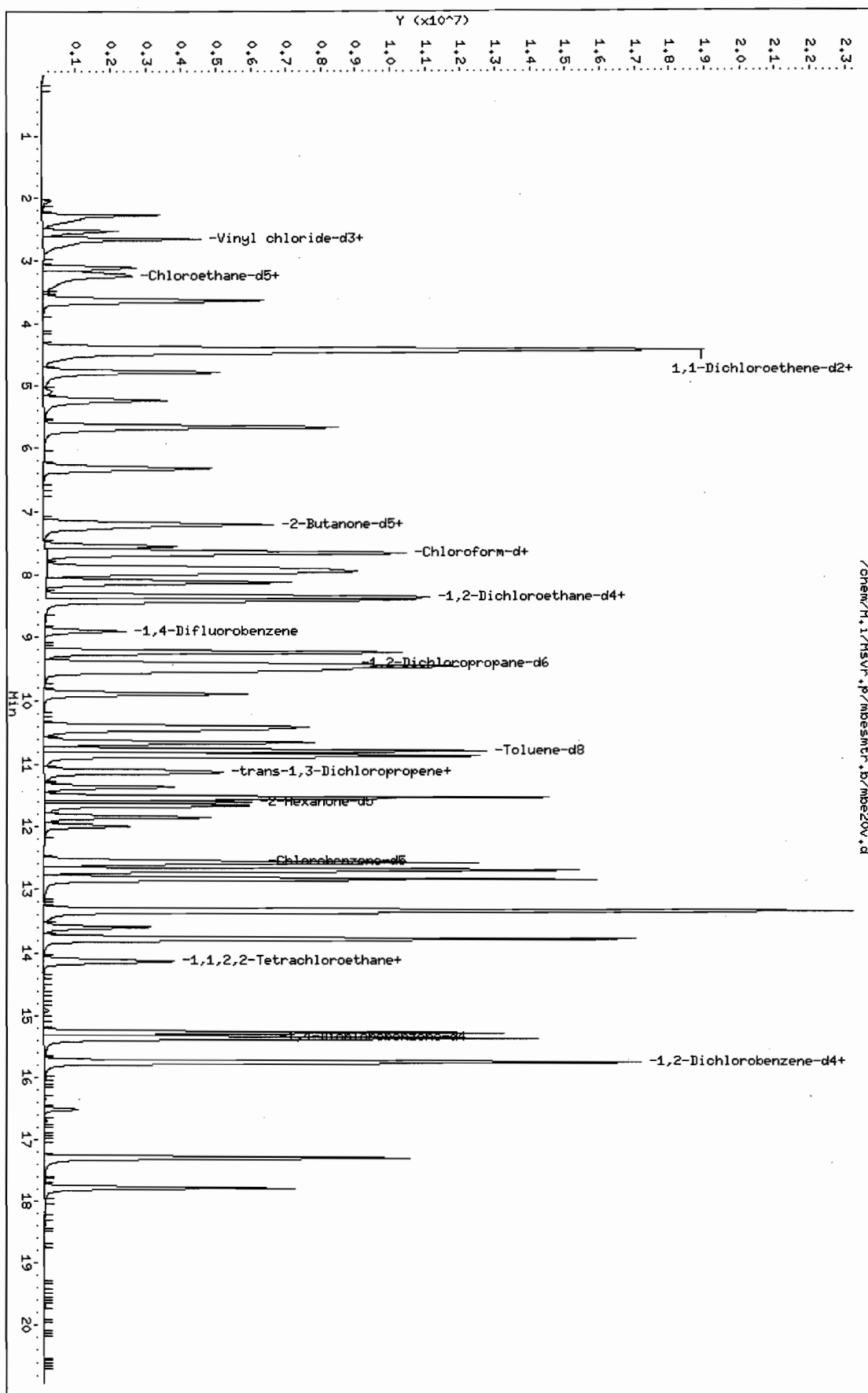
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/H.i/Hsvr.p/mbe5mtr.b/mbe20v.d
Date: 17-MAR-2010 15:39
Client ID: VSTD020HI
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JH2
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbesmtr.b/mbe20v.d
Lab Smp Id: VSTD020MI Client Smp ID: VSTD020MI
Inj Date : 17-MAR-2010 15:39
Operator : JH2 Inst ID: M.i
Smp Info :
Misc Info : VSTD020MI,,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbesmtr.b/somtr4.m
Meth Date : 22-Mar-2010 10:21 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 6 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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		2.287	2.290	(0.257)	8472798	20.0000	20 (A)
2 Chloromethane	50		2.544	2.537	(0.286)	5313487	20.0000	19
\$ 3 Vinyl chloride-d3	65		2.662	2.666	(0.299)	5880065	20.0000	21 (A)
4 Vinyl chloride	62		2.672	2.676	(0.300)	6185291	20.0000	21 (A)
5 Bromomethane	94		3.117	3.121	(0.350)	5154903	20.0000	22 (A)
\$ 6 Chloroethane-d5	69		3.226	3.229	(0.362)	4925266	20.0000	21 (A)
7 Chloroethane	64		3.266	3.259	(0.367)	3964835	20.0000	21 (A)
8 Trichlorofluoromethane	101		3.622	3.625	(0.407)	11874606	20.0000	20 (A)
\$ 9 1,1-Dichloroethene-d2	63		4.403	4.396	(0.495)	13881324	20.0000	20 (A)
10 1,1-Dichloroethene	96		4.422	4.416	(0.497)	5502068	20.0000	21 (A)
11 1,1,2-Trichloro-1,2,2-trifluo	101		4.422	4.416	(0.497)	11375084	20.0000	20 (A)
12 Acetone	43		4.551	4.545	(0.511)	1579784	200.000	160
13 Carbon disulfide	76		4.769	4.762	(0.536)	16521949	20.0000	20 (A)
14 Methyl acetate	43		5.085	5.079	(0.571)	644476	20.0000	21 (A)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
15 Methylene chloride		84	5.223	5.217	(0.587)	3631860	20.0000	21 (A)
16 trans-1,2-Dichloroethene		96	5.659	5.652	(0.636)	5890652	20.0000	20 (A)
17 Methyl tert-butyl ether		73	5.678	5.672	(0.638)	4362126	20.0000	21 (A)
18 1,1-Dichloroethane		63	6.311	6.315	(0.709)	11415586	20.0000	20 (A)
\$ 19 2-Butanone-d5		46	7.162	7.155	(0.804)	3968681	200.000	220 (A)
20 cis-1,2-Dichloroethene		96	7.191	7.185	(0.808)	4974762	20.0000	20 (A)
21 2-Butanone		43	7.241	7.244	(0.813)	3630716	200.000	210 (A)
22 Bromochloromethane		128	7.527	7.521	(0.846)	1864853	20.0000	20 (A)
\$ 23 Chloroform-d		84	7.616	7.610	(0.856)	9974109	20.0000	20 (A)
24 Chloroform		83	7.646	7.640	(0.859)	9496379	20.0000	20 (A)
25 1,1,1-Trichloroethane		97	7.883	7.877	(0.629)	10132901	20.0000	20
26 Cyclohexane		56	7.943	7.936	(0.633)	9494124	20.0000	19
27 Carbon tetrachloride		117	8.101	8.104	(0.646)	9669216	20.0000	20
\$ 28 1,2-Dichloroethane-d4		65	8.328	8.322	(0.936)	2628355	20.0000	20 (AQ)
\$ 29 Benzene-d6		84	8.338	8.332	(0.665)	14311252	20.0000	20
30 Benzene		78	8.388	8.381	(0.669)	14155467	20.0000	20
31 1,2-Dichloroethane		62	8.427	8.421	(0.947)	3294656	20.0000	21 (A)
* 32 1,4-Difluorobenzene		114	8.902	8.895	(1.000)	3642712	5.00000	
33 Trichloroethene		95	9.228	9.232	(0.736)	7016344	20.0000	19
\$ 34 1,2-Dichloropropane-d6		67	9.416	9.410	(0.751)	6942758	20.0000	19
35 Methylcyclohexane		55	9.465	9.459	(0.755)	8516757	20.0000	20
36 1,2-Dichloropropane		63	9.525	9.528	(0.760)	5467192	20.0000	20 (A)
37 Bromodichloromethane		83	9.881	9.884	(0.788)	7154767	20.0000	20 (A)
38 cis-1,3-Dichloropropene		75	10.435	10.438	(0.832)	6090187	20.0000	20 (A)
39 4-Methyl-2-pentanone		43	10.632	10.636	(0.848)	11734390	200.000	210 (A)
\$ 40 Toluene-d8		98	10.761	10.764	(0.858)	15633427	20.0000	20
41 Toluene		91	10.840	10.843	(0.864)	16146991	20.0000	20
\$ 42 trans-1,3-Dichloropropene-d4		79	11.087	11.081	(0.884)	3803249	20.0000	20 (A)
43 trans-1,3-Dichloropropene		75	11.117	11.120	(0.886)	4071742	20.0000	21 (A)
44 1,1,2-Trichloroethane		97	11.344	11.348	(0.905)	2249848	20.0000	20 (A)
45 Tetrachloroethene		164	11.522	11.516	(0.919)	7033213	20.0000	20 (A)
\$ 46 2-Hexanone-d5		63	11.591	11.585	(0.924)	4532681	200.000	210 (A)
47 2-Hexanone		43	11.651	11.654	(0.929)	8064758	200.000	210 (A)
48 Dibromochloromethane		129	11.839	11.842	(0.944)	4524999	20.0000	21 (A)
49 1,2-Dibromoethane		107	11.987	11.990	(0.956)	3361129	20.0000	21 (A)
* 50 Chlorobenzene-d5		117	12.541	12.534	(1.000)	2863040	5.00000	
51 Chlorobenzene		112	12.570	12.574	(1.002)	12154724	20.0000	20 (A)
52 Ethylbenzene		91	12.689	12.692	(1.012)	21065214	20.0000	19
53 m,p-Xylene		106	12.828	12.831	(1.023)	9080269	20.0000	20 (A)
54 Styrene		104	13.332	13.335	(1.063)	11812155	20.0000	21 (A)
55 o-Xylene		106	13.322	13.315	(1.062)	7759147	20.0000	20 (A)
56 Bromoform		173	13.579	13.582	(0.886)	2730123	20.0000	22 (A)
57 Isopropylbenzene		105	13.757	13.760	(1.097)	24092386	20.0000	18
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	14.093	14.097	(1.124)	2731935	20.0000	20 (A)
59 1,1,2,2-Tetrachloroethane		83	14.123	14.136	(1.126)	2722607	20.0000	20 (A)
60 1,3-Dichlorobenzene		146	15.250	15.254	(0.995)	9514919	20.0000	20 (A)
* 61 1,4-Dichlorobenzene-d4		152	15.319	15.323	(1.000)	1440068	5.00000	(Q)

Compounds	QUANT SIG	AMOUNTS					
		CAL-AMT	ON-COL		RESPONSE		
	MASS	RT	EXP RT	REL RT		(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.349	15.352	(1.002)	9722404	20.0000	20
\$ 63 1,2-Dichlorobenzene-d4	152	15.725	15.728	(1.026)	4647597	20.0000	20
64 1,2-Dichlorobenzene	146	15.745	15.748	(1.028)	7008723	20.0000	20 (A)
65 1,2-Dibromo-3-chloropropane	75	16.496	16.499	(1.077)	420367	20.0000	20 (A)
66 1,2,4-Trichlorobenzene	180	17.277	17.281	(1.128)	6053905	20.0000	20 (A)
67 1,2,3-Trichlorobenzene	180	17.762	17.765	(1.159)	4305946	20.0000	20 (A)

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.: 136424
Instrument ID: J.i Calibration Date(s): 03/23/2010 03/23/2010
Heated Purge: (Y/N)N Calibration Time(s): 1413 1841
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = JAM0005V			RRF1.0 = JAM001V		
RRF5.0 = JAM005V		RRF10 = JAM010V			RRF20 = JAM020V		
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
Dichlorodifluoromethane	0.464	0.450	0.411	0.431	0.462	0.444	5.1
Chloromethane	0.706	0.652	0.618	0.598	0.648	0.644	6.4
Vinyl chloride	0.523	0.501	0.500	0.501	0.537	0.512	3.3
Bromomethane	0.218	0.180	0.188	0.200	0.217	0.201	8.4
Chloroethane	0.292	0.264	0.280	0.271	0.286	0.278	4.0
Trichlorofluoromethane	0.665	0.622	0.581	0.594	0.635	0.619	5.3
1,1-Dichloroethene	0.305	0.314	0.303	0.301	0.313	0.307	1.9
1,1,2-Trichloro-							
1,2,2-trifluoroethane	0.316	0.356	0.341	0.346	0.369	0.346	5.6
Acetone	0.030	0.023	0.018	0.017	0.018	0.021	24.6
Carbon disulfide	1.089	0.907	0.914	0.873	0.911	0.939	9.1
Methyl acetate	0.093	0.070	0.060	0.059	0.064	0.069	20.4
Methylene chloride	0.259	0.233	0.226	0.228	0.245	0.238	5.7
trans-1,2-Dichloroethene	0.337	0.343	0.332	0.324	0.338	0.335	2.2
Methyl tert-butyl ether	0.405	0.421	0.364	0.368	0.399	0.391	6.2
1,1-Dichloroethane	0.718	0.699	0.691	0.687	0.741	0.707	3.2
cis-1,2-Dichloroethene	0.342	0.317	0.307	0.292	0.322	0.316	5.8
2-Butanone	0.040	0.042	0.032	0.034	0.035	0.037	11.0
Bromochloromethane	0.083	0.087	0.084	0.079	0.085	0.084	3.3
Chloroform	0.550	0.536	0.525	0.520	0.554	0.537	2.8
1,1,1-Trichloroethane	0.805	0.802	0.836	0.795	0.831	0.814	2.3
Cyclohexane	1.162	1.454	1.486	1.424	1.473	1.400	9.7
Carbon tetrachloride	0.648	0.667	0.681	0.664	0.693	0.671	2.6
Benzene	1.836	1.817	1.897	1.788	1.890	1.845	2.5
1,2-Dichloroethane	0.328	0.310	0.288	0.280	0.305	0.302	6.2
Trichloroethene	0.467	0.502	0.515	0.473	0.485	0.489	4.1
Methylcyclohexane	0.832	1.118	1.154	1.088	1.059	1.050	12.1

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.: 136424
Instrument ID: J.i Calibration Date(s): 03/23/2010 03/23/2010
Heated Purge: (Y/N)N Calibration Time(s): 1413 1841
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = JAM0005V		RRF1.0 = JAM001V			
RRF5.0 = JAM005V		RRF10 = JAM010V		RRF20 = JAM020V			
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
1,2-Dichloropropane	0.479	0.456	0.436	0.425	0.448	0.449	4.6
Bromodichloromethane	0.445	0.468	0.444	0.427	0.456	0.448	3.5
cis-1,3-Dichloropropene	0.540	0.524	0.507	0.492	0.525	0.517	3.6
4-Methyl-2-pentanone	0.133	0.143	0.127	0.123	0.133	0.132	5.6
Toluene	1.908	1.873	1.981	1.884	1.995	1.928	2.9
trans-1,3-Dichloropropene	0.403	0.378	0.371	0.362	0.381	0.379	4.0
1,1,2-Trichloroethane	0.169	0.166	0.158	0.151	0.159	0.161	4.5
Tetrachloroethene	0.333	0.339	0.366	0.330	0.338	0.341	4.3
2-Hexanone	0.084	0.095	0.080	0.078	0.083	0.084	7.9
Dibromochloromethane	0.197	0.200	0.194	0.194	0.207	0.198	2.7
1,2-Dibromoethane	0.151	0.153	0.141	0.138	0.153	0.147	4.9
Chlorobenzene	1.012	1.001	1.025	0.975	1.050	1.012	2.8
Ethylbenzene	2.135	2.175	2.244	2.142	2.280	2.195	2.9
o-Xylene	0.648	0.691	0.701	0.667	0.716	0.685	4.0
m,p-Xylene	0.785	0.744	0.816	0.760	0.794	0.780	3.7
Styrene	1.029	1.099	1.081	1.043	1.111	1.072	3.3
Bromoform	0.229	0.252	0.224	0.237	0.248	0.238	5.0
Isopropylbenzene	1.850	1.914	2.007	1.902	2.040	1.943	4.0
1,1,2,2-Tetrachloroethane	0.148	0.154	0.131	0.130	0.137	0.140	7.4
1,3-Dichlorobenzene	1.808	1.732	1.671	1.646	1.709	1.713	3.7
1,4-Dichlorobenzene	1.643	1.791	1.613	1.548	1.596	1.638	5.6
1,2-Dichlorobenzene	1.161	1.357	1.224	1.168	1.224	1.227	6.4
1,2-Dibromo-3-chloropropane	0.044	0.038	0.045	0.039	0.040	0.041	7.4
1,2,4-Trichlorobenzene	0.330	0.439	0.415	0.352	0.362	0.380	12.0
1,2,3-Trichlorobenzene	0.156	0.237	0.284	0.202	0.215	0.219	21.5

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.: 136424
Instrument ID: J.i Calibration Date(s): 03/23/2010 03/23/2010
Heated Purge: (Y/N)N Calibration Time(s): 1413 1841
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

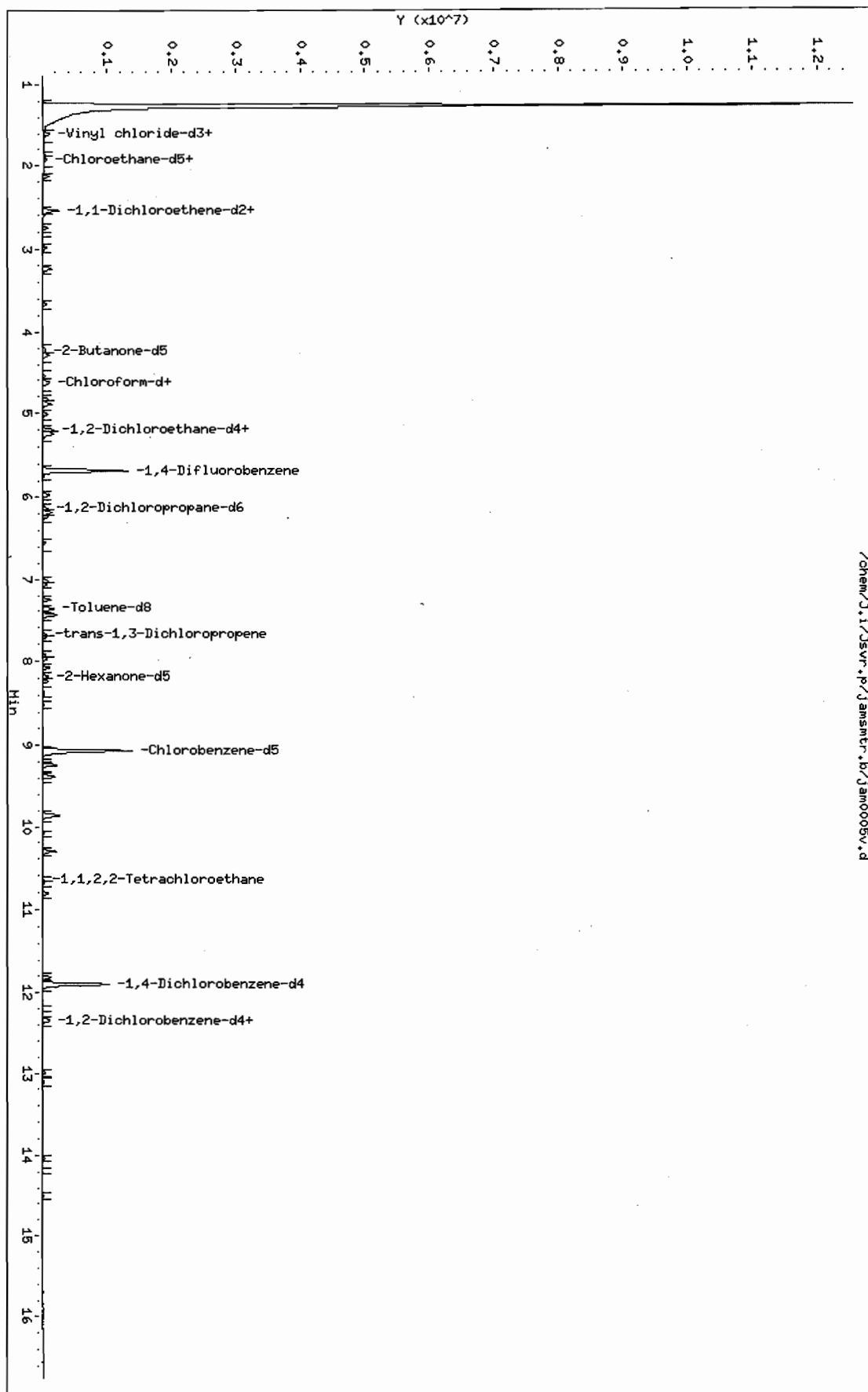
LAB FILE ID:		RRF0.5 = JAM0005V		RRF1.0 = JAM001V			
RRF5.0 = JAM005V		RRF10 = JAM010V		RRF20 = JAM020V			
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{\text{RRF}}$	%RSD
Vinyl chloride-d3	0.412	0.430	0.385	0.393	0.413	0.407	4.4
Chloroethane-d5	0.279	0.288	0.261	0.260	0.280	0.273	4.5
1,1-Dichloroethene-d2	0.808	0.803	0.795	0.803	0.842	0.810	2.3
2-Butanone-d5	0.037	0.041	0.032	0.032	0.033	0.035	11.1
Chloroform-d	0.584	0.580	0.556	0.546	0.584	0.570	3.1
1,2-Dichloroethane-d4	0.247	0.224	0.202	0.203	0.216	0.218	8.6
Benzene-d6	1.735	1.731	1.736	1.668	1.764	1.727	2.0
1,2-Dichloropropane-d6	0.491	0.462	0.442	0.430	0.446	0.454	5.1
Toluene-d8	1.578	1.522	1.601	1.503	1.618	1.564	3.2
trans-1,3-Dichloropropene-d4	0.343	0.366	0.346	0.328	0.353	0.347	4.0
2-Hexanone-d5	0.037	0.043	0.035	0.035	0.037	0.037	8.8
1,1,2,2-Tetrachloroethane-d2	0.143	0.147	0.133	0.127	0.139	0.138	5.8
1,2-Dichlorobenzene-d4	0.837	0.735	0.739	0.709	0.735	0.751	6.6

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jamsmr.b/jam0005v.d
 Date: 23-MAR-2010 14:13
 Client ID: VSTD0.53Q
 Sample Info: JAH0005V
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: HTP
 Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jamsmtr.b/jam0005v.d
Report Date: 25-Mar-2010 10:14

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jamsmtr.b/jam0005v.d
Lab Smp Id: VSTD0.5JQ Client Smp ID: VSTD0.5JQ
Inj Date : 23-MAR-2010 14:13
Operator : MTP Inst ID: J.i
Smp Info : JAM0005V
Misc Info : VSTD0.5,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jamsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:14 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 14:13 Cal File: jam0005v.d
Als bottle: 5 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	1.386	1.386	(0.244)	52189	0.50000	0.52
2 Chloromethane	50	1.575	1.575	(0.277)	79307	0.50000	0.55
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	46310	0.50000	0.51
4 Vinyl chloride	62	1.605	1.605	(0.283)	58723	0.50000	0.51
5 Bromomethane	94	1.867	1.861	(0.329)	24463	0.50000	0.54
\$ 6 Chloroethane-d5	69	1.916	1.909	(0.337)	31310	0.50000	0.51
7 Chloroethane	64	1.934	1.934	(0.340)	32758	0.50000	0.52
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	74668	0.50000	0.54
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	90818	0.50000	0.50
10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	34285	0.50000	0.50
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	35559	0.50000	0.46(a)
12 Acetone	43	2.597	2.597	(0.457)	33345	5.00000	7.0
13 Carbon disulfide	76	2.755	2.749	(0.485)	122369	0.50000	0.58
14 Methyl acetate	43	2.883	2.883	(0.507)	10495	0.50000	0.67

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.986	2.980 (0.526)		29068	0.50000	0.54
16 trans-1,2-Dichloroethene	96	3.236	3.236 (0.570)		37916	0.50000	0.50
17 Methyl tert-butyl ether	73	3.236	3.229 (0.570)		45456	0.50000	0.52
18 1,1-Dichloroethane	63	3.662	3.655 (0.644)		80638	0.50000	0.51
\$ 19 2-Butanone-d5	46	4.239	4.233 (0.746)		42005	5.00000	5.3
20 cis-1,2-Dichloroethene	96	4.282	4.282 (0.754)		38401	0.50000	0.54
21 2-Butanone	43	4.306	4.300 (0.758)		44420	5.00000	5.4
22 Bromochloromethane	128	4.544	4.544 (0.800)		9286	0.50000	0.49(aQ)
\$ 23 Chloroform-d	84	4.617	4.610 (0.813)		65584	0.50000	0.51
24 Chloroform	83	4.635	4.635 (0.816)		61813	0.50000	0.51
25 1,1,1-Trichloroethane	97	4.836	4.829 (0.534)		65163	0.50000	0.49(a)
26 Cyclohexane	56	4.890	4.884 (0.540)		94064	0.50000	0.41(a)
27 Carbon tetrachloride	117	5.012	5.012 (0.553)		52468	0.50000	0.48(a)
\$ 28 1,2-Dichloroethane-d4	65	5.189	5.182 (0.913)		27797	0.50000	0.57
\$ 29 Benzene-d6	84	5.201	5.201 (0.574)		140495	0.50000	0.50
30 Benzene	78	5.243	5.243 (0.578)		148659	0.50000	0.50
31 1,2-Dichloroethane	62	5.274	5.267 (0.928)		36838	0.50000	0.54
* 32 1,4-Difluorobenzene	114	5.681	5.681 (1.000)		1123655	5.00000	
33 Trichloroethene	95	5.967	5.967 (0.658)		37838	0.50000	0.48(a)
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125 (0.676)		39757	0.50000	0.54
35 Methylcyclohexane	55	6.180	6.180 (0.682)		67356	0.50000	0.40(a)
36 1,2-Dichloropropane	63	6.229	6.229 (0.687)		38793	0.50000	0.53
37 Bromodichloromethane	83	6.545	6.545 (0.722)		36053	0.50000	0.50
38 cis-1,3-Dichloropropene	75	7.062	7.062 (0.779)		43723	0.50000	0.52
39 4-Methyl-2-pentanone	43	7.251	7.251 (0.800)		107437	5.00000	5.0
\$ 40 Toluene-d8	98	7.366	7.366 (0.813)		127755	0.50000	0.50
41 Toluene	91	7.446	7.439 (0.821)		154525	0.50000	0.49(a)
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.677 (0.848)		27750	0.50000	0.49(a)
43 trans-1,3-Dichloropropene	75	7.713	7.713 (0.851)		32614	0.50000	0.53
44 1,1,2-Trichloroethane	97	7.926	7.926 (0.874)		13710	0.50000	0.53
45 Tetrachloroethene	164	8.078	8.072 (0.891)		26944	0.50000	0.49(a)
\$ 46 2-Hexanone-d5	63	8.182	8.175 (0.903)		29804	5.00000	4.9(a)
47 2-Hexanone	43	8.236	8.230 (0.909)		67630	5.00000	5.0
48 Dibromochloromethane	129	8.382	8.382 (0.925)		15984	0.50000	0.50
49 1,2-Dibromoethane	107	8.510	8.510 (0.939)		12205	0.50000	0.51
* 50 Chlorobenzene-d5	117	9.064	9.058 (1.000)		809745	5.00000	
51 Chlorobenzene	112	9.094	9.094 (1.003)		81928	0.50000	0.50
52 Ethylbenzene	91	9.234	9.234 (1.019)		172857	0.50000	0.49(a)
53 m,p-Xylene	106	9.380	9.380 (1.035)		63584	0.50000	0.50
54 Styrene	104	9.873	9.873 (1.089)		83286	0.50000	0.48(a)
55 o-Xylene	106	9.855	9.854 (1.087)		52476	0.50000	0.47(a)
56 Bromoform	173	10.086	10.086 (0.848)		6764	0.50000	0.48(a)
57 Isopropylbenzene	105	10.305	10.305 (1.137)		149812	0.50000	0.48(a)
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.652	10.651 (1.175)		11568	0.50000	0.52
59 1,1,2,2-Tetrachloroethane	83	10.682	10.682 (1.179)		12003	0.50000	0.53
60 1,3-Dichlorobenzene	146	11.814	11.813 (0.993)		53371	0.50000	0.53
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899 (1.000)		295154	5.00000	

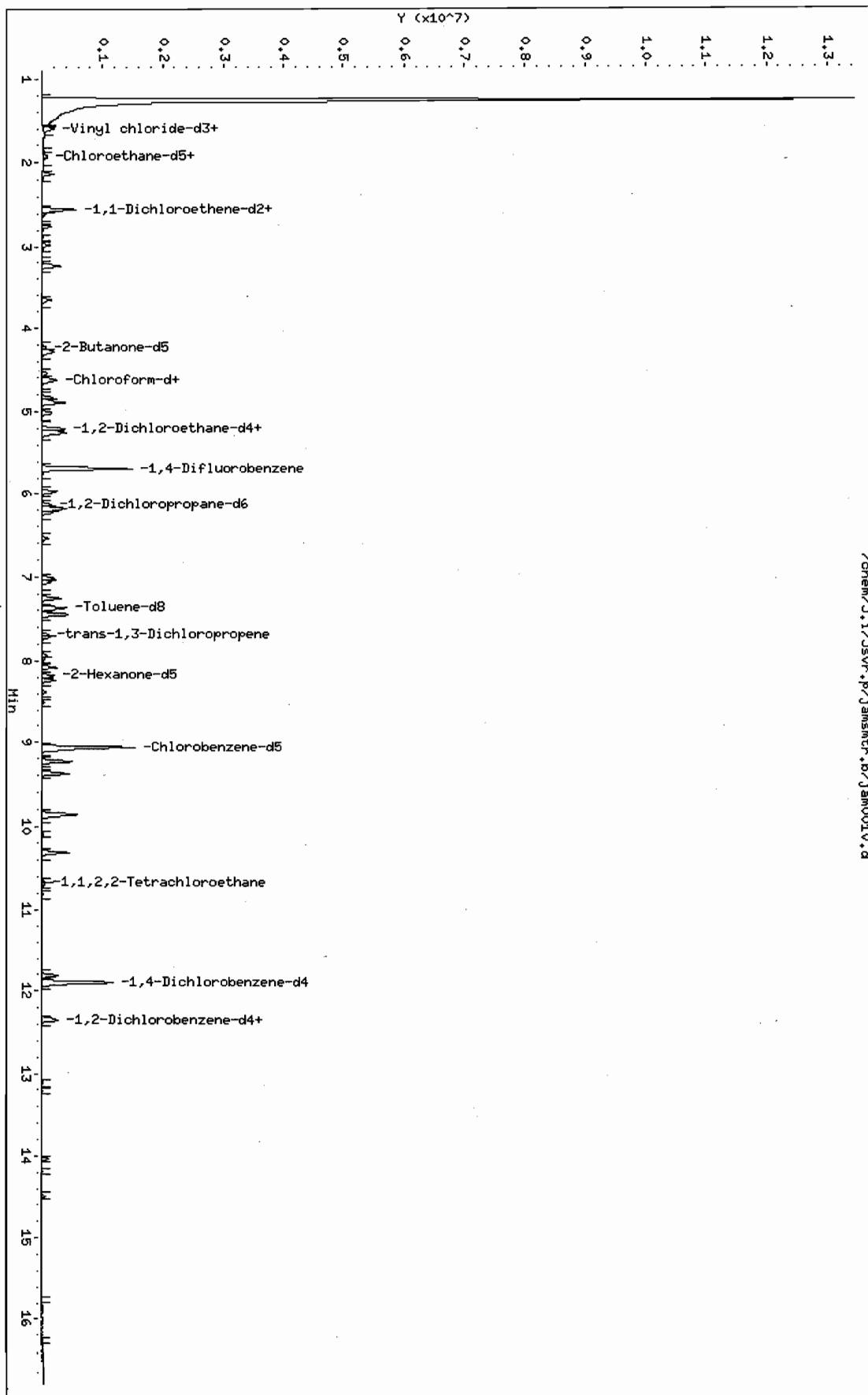
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	----	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.923	11.923	(1.002)	48503	0.50000	0.50
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	24710	0.50000	0.56
64 1,2-Dichlorobenzene	146	12.355	12.355	(1.038)	34269	0.50000	0.47(a)
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	1304	0.50000	0.53
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	9745	0.50000	0.43(aQ)
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	4619	0.50000	0.36(a)

QC Flag Legend

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

Data File: /chem/J.i/Jsvr.p/jamsmr.b/jam001v.d
Date: 23-MAR-2010 14:43
Client ID: VSTD001JQ
Sample Info: JAH001V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jamsmtr.b/jam001v.d
Lab Smp Id: VSTD001JQ Client Smp ID: VSTD001JQ
Inj Date : 23-MAR-2010 14:43
Operator : MTP Inst ID: J.i
Smp Info : JAM001V
Misc Info : VSTD001,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jamsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:14 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 14:43 Cal File: jam001v.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: 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)	113595	1.00000	1.0
2 Chloromethane	50	1.587	1.575	(0.279)	164675	1.00000	1.0
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	108479	1.00000	1.1
4 Vinyl chloride	62	1.605	1.605	(0.283)	126503	1.00000	0.98
5 Bromomethane	94	1.861	1.861	(0.328)	45422	1.00000	0.90
\$ 6 Chloroethane-d5	69	1.915	1.909	(0.337)	72578	1.00000	1.1
7 Chloroethane	64	1.934	1.934	(0.340)	66552	1.00000	0.95
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	156933	1.00000	1.0
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	202699	1.00000	0.99
10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	79173	1.00000	1.0
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	89752	1.00000	1.0
12 Acetone	43	2.603	2.597	(0.458)	58434	10.0000	11
13 Carbon disulfide	76	2.755	2.749	(0.485)	228838	1.00000	0.97
14 Methyl acetate	43	2.883	2.883	(0.507)	17723	1.00000	1.0

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	(ug/L)
15 Methylene chloride		84	2.986	2.980	(0.526)	58927	1.00000	0.98
16 trans-1,2-Dichloroethene		96	3.236	3.236	(0.570)	86619	1.00000	1.0
17 Methyl tert-butyl ether		73	3.236	3.229	(0.570)	106309	1.00000	1.1
18 1,1-Dichloroethane		63	3.661	3.655	(0.644)	176409	1.00000	0.99
\$ 19 2-Butanone-d5		46	4.239	4.233	(0.746)	102799	10.0000	12
20 cis-1,2-Dichloroethene		96	4.282	4.282	(0.754)	79897	1.00000	1.0
21 2-Butanone		43	4.306	4.300	(0.758)	105547	10.0000	11
22 Bromochloromethane		128	4.544	4.544	(0.800)	21849	1.00000	1.0(Q)
\$ 23 Chloroform-d		84	4.617	4.610	(0.813)	146343	1.00000	1.0
24 Chloroform		83	4.635	4.635	(0.816)	135214	1.00000	1.00
25 1,1,1-Trichloroethane		97	4.829	4.829	(0.533)	145102	1.00000	0.98
26 Cyclohexane		56	4.890	4.884	(0.540)	263155	1.00000	1.0
27 Carbon tetrachloride		117	5.012	5.012	(0.553)	120667	1.00000	0.99
\$ 28 1,2-Dichloroethane-d4		65	5.188	5.182	(0.913)	56420	1.00000	1.0
\$ 29 Benzene-d6		84	5.201	5.201	(0.574)	313358	1.00000	1.0
30 Benzene		78	5.249	5.243	(0.579)	328887	1.00000	0.98
31 1,2-Dichloroethane		62	5.274	5.267	(0.928)	78197	1.00000	1.0
* 32 1,4-Difluorobenzene		114	5.681	5.681	(1.000)	1261928	5.00000	
33 Trichloroethene		95	5.967	5.967	(0.658)	90918	1.00000	1.0
\$ 34 1,2-Dichloropropane-d6		67	6.125	6.125	(0.676)	83556	1.00000	1.0
35 Methylcyclohexane		55	6.180	6.180	(0.682)	202265	1.00000	1.1
36 1,2-Dichloropropane		63	6.229	6.229	(0.687)	82542	1.00000	1.0
37 Bromodichloromethane		83	6.545	6.545	(0.722)	84792	1.00000	1.0
38 cis-1,3-Dichloropropene		75	7.062	7.062	(0.779)	94849	1.00000	1.0
39 4-Methyl-2-pentanone		43	7.257	7.251	(0.801)	257945	10.0000	11
\$ 40 Toluene-d8		98	7.366	7.366	(0.813)	275435	1.00000	0.97
41 Toluene		91	7.445	7.439	(0.821)	338977	1.00000	0.97
\$ 42 trans-1,3-Dichloropropene-d4		79	7.683	7.677	(0.848)	66323	1.00000	1.1
43 trans-1,3-Dichloropropene		75	7.713	7.713	(0.851)	68414	1.00000	1.00
44 1,1,2-Trichloroethane		97	7.926	7.926	(0.874)	30107	1.00000	1.0
45 Tetrachloroethene		164	8.078	8.072	(0.891)	61307	1.00000	0.99
\$ 46 2-Hexanone-d5		63	8.175	8.175	(0.902)	77655	10.0000	12
47 2-Hexanone		43	8.236	8.230	(0.909)	171647	10.0000	11
48 Dibromochloromethane		129	8.382	8.382	(0.925)	36198	1.00000	1.0
49 1,2-Dibromoethane		107	8.510	8.510	(0.939)	27636	1.00000	1.0
* 50 Chlorobenzene-d5		117	9.064	9.058	(1.000)	904976	5.00000	
51 Chlorobenzene		112	9.094	9.094	(1.003)	181252	1.00000	0.99
52 Ethylbenzene		91	9.234	9.234	(1.019)	393709	1.00000	0.99
53 m,p-Xylene		106	9.380	9.380	(1.035)	134600	1.00000	0.95
54 Styrene		104	9.873	9.873	(1.089)	198984	1.00000	1.0
55 o-Xylene		106	9.855	9.854	(1.087)	125099	1.00000	1.0
56 Bromoform		173	10.086	10.086	(0.848)	17172	1.00000	1.1
57 Isopropylbenzene		105	10.305	10.305	(1.137)	346507	1.00000	0.99
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	10.651	10.651	(1.175)	26603	1.00000	1.1
59 1,1,2,2-Tetrachloroethane		83	10.688	10.682	(1.179)	27797	1.00000	1.1
60 1,3-Dichlorobenzene		146	11.813	11.813	(0.993)	118033	1.00000	1.0
* 61 1,4-Dichlorobenzene-d4		152	11.899	11.899	(1.000)	340665	5.00000	

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene		146	11.923	11.923	(1.002)	122014	1.00000	1.1
\$ 63 1,2-Dichlorobenzene-d4		152	12.337	12.337	(1.037)	50045	1.00000	0.98
64 1,2-Dichlorobenzene		146	12.355	12.355	(1.038)	92454	1.00000	1.1
65 1,2-Dibromo-3-chloropropane		75	13.213	13.213	(1.110)	2621	1.00000	0.93(Q)
66 1,2,4-Trichlorobenzene		180	14.034	14.034	(1.179)	29907	1.00000	1.2
67 1,2,3-Trichlorobenzene		180	14.496	14.496	(1.218)	16166	1.00000	1.1

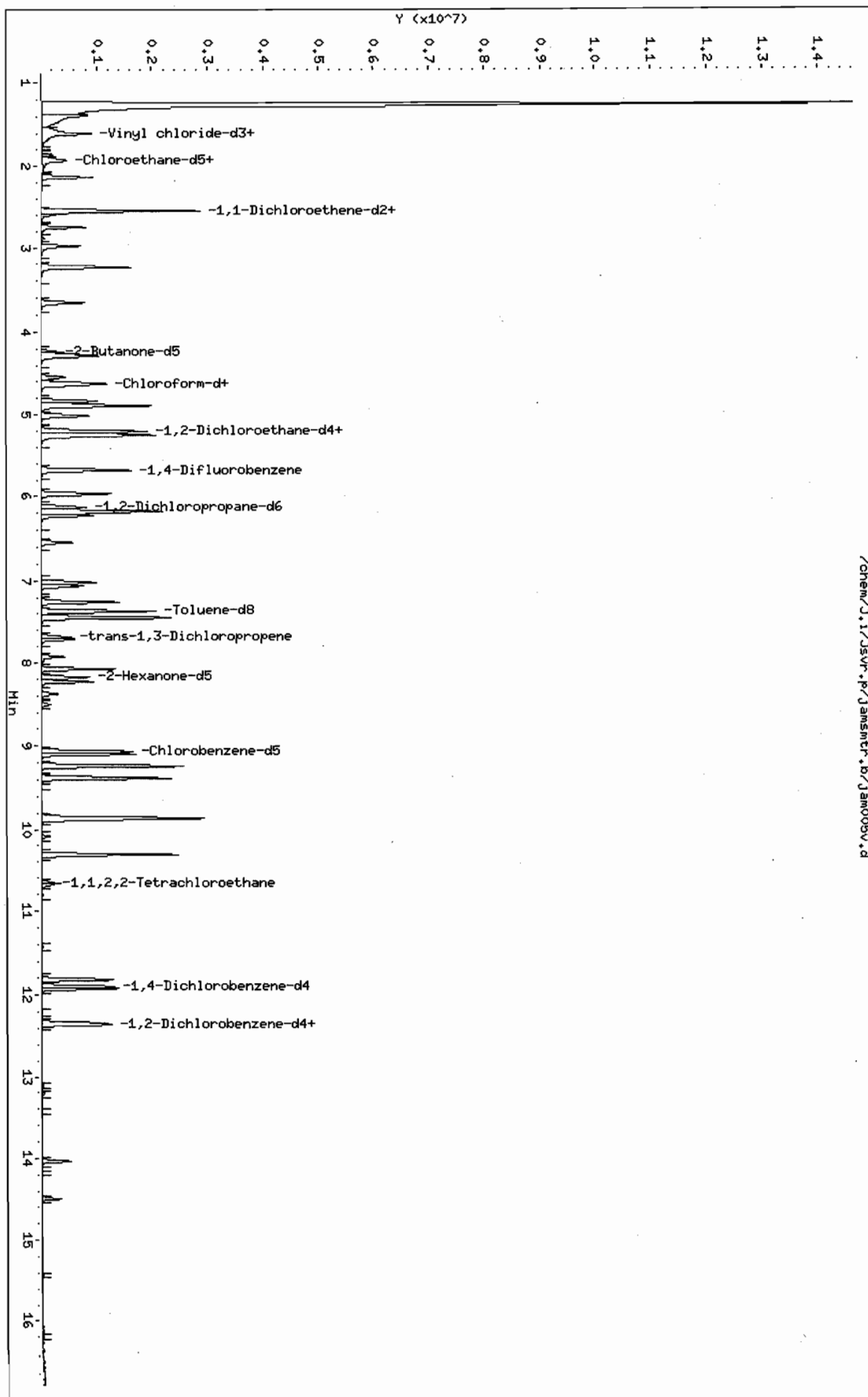
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jamsntr.b/jam005v.d
Date : 23-MAR-2010 17:42
Client ID: VSTD005JQ
Sample Info: JAM005V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jamsmtr.b/jam005v.d
Lab Smp Id: VSTD005JQ Client Smp ID: VSTD005JQ
Inj Date : 23-MAR-2010 17:42
Operator : MTP Inst ID: J.i
Smp Info : JAM005V
Misc Info : VSTD005,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jamsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:14 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 17:42 Cal File: jam005v.d
Als bottle: 5 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	1.386	1.386	(0.244)	544538	5.00000	4.6
2 Chloromethane	50	1.575	1.575	(0.277)	819931	5.00000	4.8
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	510039	5.00000	4.7
4 Vinyl chloride	62	1.605	1.605	(0.283)	663666	5.00000	4.9
5 Bromomethane	94	1.861	1.861	(0.328)	249975	5.00000	4.7
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	345735	5.00000	4.8
7 Chloroethane	64	1.934	1.934	(0.340)	370930	5.00000	5.0
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	771169	5.00000	4.7
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	1054213	5.00000	4.9
10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	401553	5.00000	4.9
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	452268	5.00000	4.9
12 Acetone	43	2.597	2.597	(0.457)	243482	50.0000	43
13 Carbon disulfide	76	2.749	2.749	(0.484)	1212131	5.00000	4.9
14 Methyl acetate	43	2.883	2.883	(0.507)	80143	5.00000	4.4

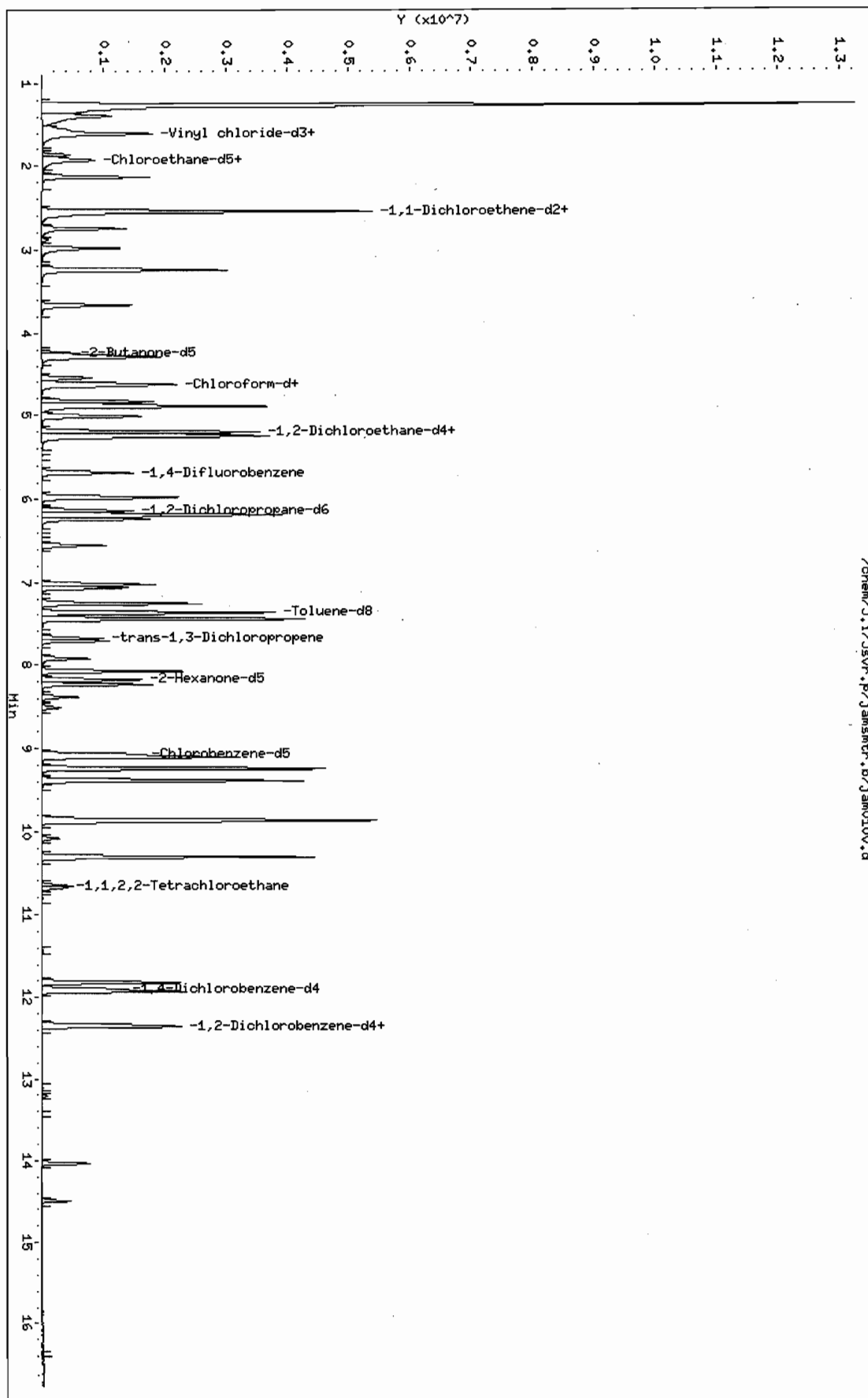
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride	84	2.980	2.980	(0.525)	300089	5.00000	4.7
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	439919	5.00000	5.0
17 Methyl tert-butyl ether	73	3.229	3.229	(0.568)	483434	5.00000	4.7
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	916672	5.00000	4.9
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	427406	50.0000	46
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	407834	5.00000	4.9
21 2-Butanone	43	4.300	4.300	(0.757)	426735	50.0000	44
22 Bromochloromethane	128	4.544	4.544	(0.800)	110896	5.00000	5.0
\$ 23 Chloroform-d	84	4.610	4.610	(0.812)	737428	5.00000	4.9
24 Chloroform	83	4.635	4.635	(0.816)	696689	5.00000	4.9
25 1,1,1-Trichloroethane	97	4.829	4.829	(0.533)	769028	5.00000	5.1
26 Cyclohexane	56	4.884	4.884	(0.539)	1366410	5.00000	5.3
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	626067	5.00000	5.1
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.912)	267438	5.00000	4.6
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1596787	5.00000	5.0
30 Benzene	78	5.243	5.243	(0.579)	1744359	5.00000	5.1
31 1,2-Dichloroethane	62	5.267	5.267	(0.927)	382348	5.00000	4.8
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1326499	5.00000	
33 Trichloroethene	95	5.967	5.967	(0.659)	473790	5.00000	5.3
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	406889	5.00000	4.9
35 Methylcyclohexane	55	6.180	6.180	(0.682)	1060943	5.00000	5.5
36 1,2-Dichloropropane	63	6.229	6.229	(0.688)	401198	5.00000	4.9
37 Bromodichloromethane	83	6.545	6.545	(0.723)	408200	5.00000	5.0
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.780)	465818	5.00000	4.9
39 4-Methyl-2-pentanone	43	7.251	7.251	(0.801)	1164890	50.0000	48
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	1472568	5.00000	5.1
41 Toluene	91	7.439	7.439	(0.821)	1821420	5.00000	5.1
\$ 42 trans-1,3-Dichloropropene-d4	79	7.677	7.677	(0.848)	318316	5.00000	5.0
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.852)	341390	5.00000	4.9
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.875)	145051	5.00000	4.9
45 Tetrachloroethene	164	8.072	8.072	(0.891)	336716	5.00000	5.4
\$ 46 2-Hexanone-d5	63	8.175	8.175	(0.903)	324323	50.0000	47
47 2-Hexanone	43	8.230	8.230	(0.909)	739666	50.0000	48
48 Dibromochloromethane	129	8.382	8.382	(0.925)	178290	5.00000	4.9
49 1,2-Dibromoethane	107	8.510	8.510	(0.940)	130042	5.00000	4.8
* 50 Chlorobenzene-d5	117	9.058	9.058	(1.000)	919621	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.004)	942161	5.00000	5.1
52 Ethylbenzene	91	9.234	9.234	(1.019)	2063243	5.00000	5.1
53 m,p-Xylene	106	9.380	9.380	(1.036)	750574	5.00000	5.2
54 Styrene	104	9.873	9.873	(1.090)	993743	5.00000	5.0
55 o-Xylene	106	9.854	9.854	(1.088)	644772	5.00000	5.1
56 Bromoform	173	10.086	10.086	(0.848)	78589	5.00000	4.7
57 Isopropylbenzene	105	10.305	10.305	(1.138)	1845676	5.00000	5.2
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.651	10.651	(1.176)	121945	5.00000	4.8
59 1,1,2,2-Tetrachloroethane	83	10.682	10.682	(1.179)	120840	5.00000	4.7
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	585461	5.00000	4.9
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	350444	5.00000	

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
						(ug/L)	(ug/L)	
=====	=====	==	=====	=====	=====	=====	=====	
62 1,4-Dichlorobenzene	146	11.923	11.923	(1.002)	565239	5.00000	4.9	
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	259086	5.00000	4.9	
64 1,2-Dichlorobenzene	146	12.355	12.355	(1.038)	428981	5.00000	5.0	
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	15818	5.00000	5.5	
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	145500	5.00000	5.5	
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	99666	5.00000	6.5	

Data File: /chem/J.i/Jsvr.p/jamsnr.b/jam010v.d
 Date : 23-MAR-2010 18:12
 Client ID: VSTD010JQ
 Sample Info: JAM010V
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: HTP
 Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jamsmtr.b/jam010v.d
Lab Smp Id: VSTD010JQ Client Smp ID: VSTD010JQ
Inj Date : 23-MAR-2010 18:12
Operator : MTP Inst ID: J.i
Smp Info : JAM010V
Misc Info : VSTD010,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jamsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:14 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:12 Cal File: jam010v.d
Als bottle: 5 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	1.386	1.386	(0.244)	1076739	10.0000	9.7
2 Chloromethane	50	1.569	1.575	(0.276)	1492256	10.0000	9.3
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	981141	10.0000	9.7
4 Vinyl chloride	62	1.605	1.605	(0.283)	1249730	10.0000	9.8
5 Bromomethane	94	1.861	1.861	(0.328)	500014	10.0000	10
\$ 6 Chloroethane-d5	69	1.915	1.909	(0.337)	649480	10.0000	9.5
7 Chloroethane	64	1.934	1.934	(0.340)	676706	10.0000	9.7
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	1483161	10.0000	9.6
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	2005461	10.0000	9.9
10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	750896	10.0000	9.8
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.448)	863893	10.0000	10
12 Acetone	43	2.597	2.597	(0.457)	434590	100.000	82
13 Carbon disulfide	76	2.755	2.749	(0.485)	2178972	10.0000	9.3
14 Methyl acetate	43	2.883	2.883	(0.507)	147149	10.0000	8.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride	84	2.986	2.980	(0.526)	568568	10.0000	9.6
16 trans-1,2-Dichloroethene	96	3.235	3.236	(0.570)	808971	10.0000	9.7
17 Methyl tert-butyl ether	73	3.229	3.229	(0.568)	919559	10.0000	9.4
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	1714527	10.0000	9.7
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	790176	100.000	90
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	730031	10.0000	9.3
21 2-Butanone	43	4.300	4.300	(0.757)	844338	100.000	93
22 Bromochloromethane	128	4.543	4.544	(0.800)	198215	10.0000	9.5(Q)
\$ 23 Chloroform-d	84	4.610	4.610	(0.812)	1362576	10.0000	9.6
24 Chloroform	83	4.635	4.635	(0.816)	1298186	10.0000	9.7
25 1,1,1-Trichloroethane	97	4.829	4.829	(0.533)	1416074	10.0000	9.8
26 Cyclohexane	56	4.890	4.884	(0.540)	2534223	10.0000	10
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	1182597	10.0000	9.9
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.182	(0.913)	506336	10.0000	9.3
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	2969793	10.0000	9.7
30 Benzene	78	5.249	5.243	(0.579)	3182371	10.0000	9.7
31 1,2-Dichloroethane	62	5.273	5.267	(0.928)	698116	10.0000	9.3
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1248141	5.00000	
33 Trichloroethene	95	5.967	5.967	(0.658)	842197	10.0000	9.7
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	766225	10.0000	9.5
35 Methylcyclohexane	55	6.180	6.180	(0.682)	1936076	10.0000	10
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	755853	10.0000	9.5
37 Bromodichloromethane	83	6.545	6.545	(0.722)	759471	10.0000	9.5
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	875752	10.0000	9.5
39 4-Methyl-2-pentanone	43	7.251	7.251	(0.800)	2194707	100.000	94
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	2675885	10.0000	9.6
41 Toluene	91	7.445	7.439	(0.821)	3352937	10.0000	9.8
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.677	(0.848)	584690	10.0000	9.5
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	644254	10.0000	9.6
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	269065	10.0000	9.4
45 Tetrachloroethene	164	8.078	8.072	(0.891)	586831	10.0000	9.7
\$ 46 2-Hexanone-d5	63	8.175	8.175	(0.902)	617531	100.000	93
47 2-Hexanone	43	8.236	8.230	(0.909)	1379705	100.000	92
48 Dibromochloromethane	129	8.382	8.382	(0.925)	344526	10.0000	9.8
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	244857	10.0000	9.4
* 50 Chlorobenzene-d5	117	9.063	9.058	(1.000)	890069	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	1735024	10.0000	9.6
52 Ethylbenzene	91	9.234	9.234	(1.019)	3812506	10.0000	9.8
53 m,p-Xylene	106	9.380	9.380	(1.035)	1352047	10.0000	9.7
54 Styrene	104	9.873	9.873	(1.089)	1855840	10.0000	9.7
55 o-Xylene	106	9.854	9.854	(1.087)	1187174	10.0000	9.7
56 Bromoform	173	10.086	10.086	(0.848)	152510	10.0000	10
57 Isopropylbenzene	105	10.305	10.305	(1.137)	3386423	10.0000	9.8
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.651	10.651	(1.175)	226253	10.0000	9.2
59 1,1,2,2-Tetrachloroethane	83	10.682	10.682	(1.179)	231697	10.0000	9.3
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	1058729	10.0000	9.6
* 61 1,4-Dichlorobenzene-d4	152	11.898	11.899	(1.000)	321689	5.00000	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	----	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.923	11.923	(1.002)	995970	10.0000	9.4
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	455836	10.0000	9.4
64 1,2-Dichlorobenzene	146	12.355	12.355	(1.038)	751666	10.0000	9.5
65 1,2-Dibromo-3-chloropropane	75	13.206	13.213	(1.110)	25211	10.0000	9.5
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	226193	10.0000	9.3
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	129664	10.0000	9.2

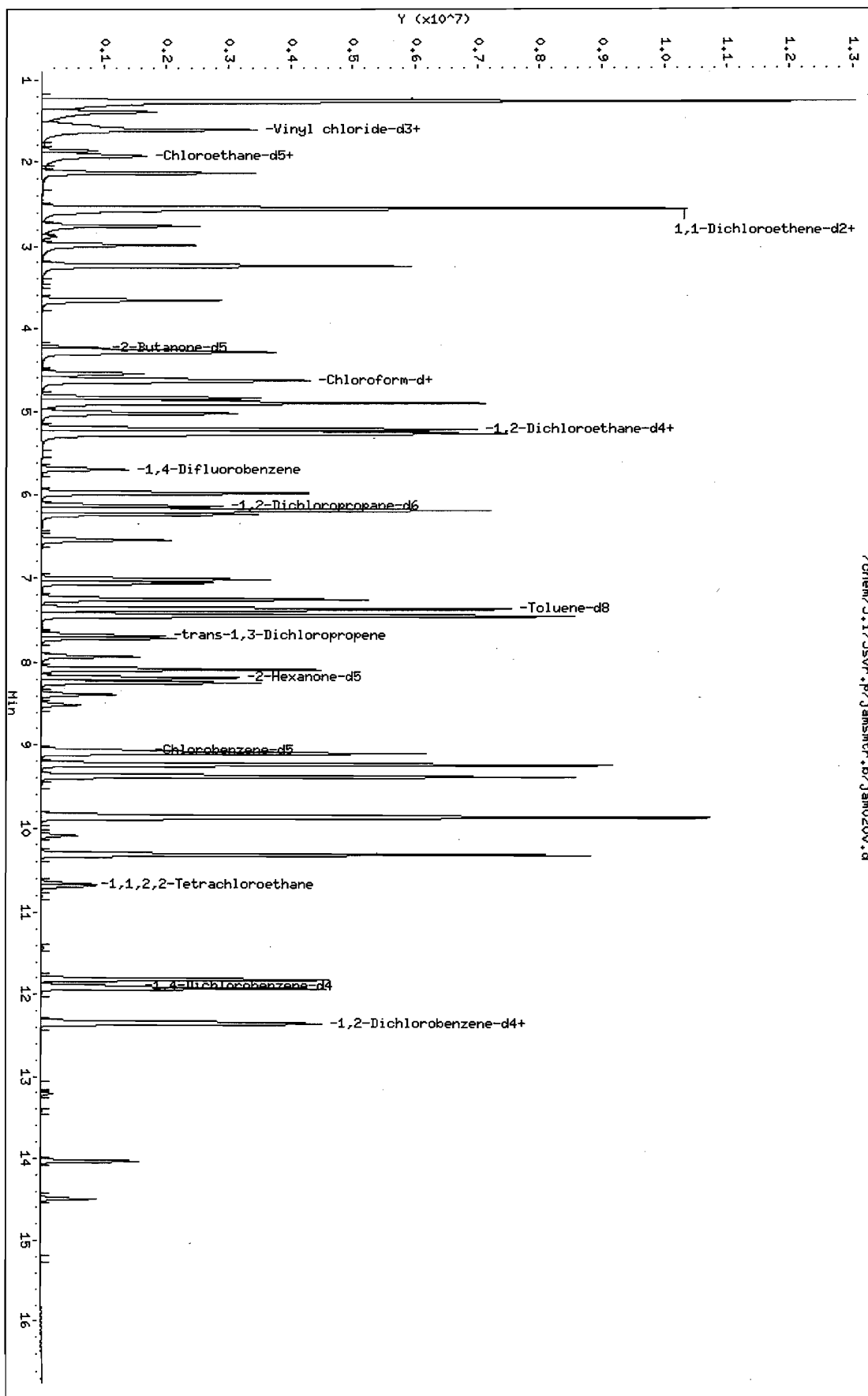
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jamsmr.b/jam020v.d
Date : 23-MAR-2010 18:41
Client ID: VSTD020JQ
Sample Info: JAM020V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jamsmtr.b/jam020v.d
Lab Smp Id: VSTD020JQ Client Smp ID: VSTD020JQ
Inj Date : 23-MAR-2010 18:41
Operator : MTP Inst ID: J.i
Smp Info : JAM020V
Misc Info : VSTD020,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jamsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:14 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	1.386	1.386	(0.244)	2135369	20.0000	21 (A)
2 Chloromethane	50	1.569	1.575	(0.276)	2997301	20.0000	20 (A)
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	1911594	20.0000	20 (A)
4 Vinyl chloride	62	1.605	1.605	(0.283)	2484494	20.0000	21 (A)
5 Bromomethane	94	1.861	1.861	(0.328)	1004050	20.0000	22 (A)
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	1295458	20.0000	20 (A)
7 Chloroethane	64	1.934	1.934	(0.340)	1322425	20.0000	21 (A)
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	2938342	20.0000	21 (A)
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	3895923	20.0000	21 (A)
10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	1447544	20.0000	20 (A)
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	1706735	20.0000	21 (A)
12 Acetone	43	2.597	2.597	(0.457)	823317	200.000	170
13 Carbon disulfide	76	2.755	2.749	(0.485)	4210616	20.0000	19
14 Methyl acetate	43	2.883	2.883	(0.507)	294975	20.0000	18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.986	2.980	(0.526)	1132037	20.0000	21 (A)
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	1565178	20.0000	20 (A)
17 Methyl-tert-butyl ether	73	3.236	3.229	(0.570)	1843487	20.0000	20 (A)
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	3427350	20.0000	21 (A)
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	1537020	200.000	190
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	1490993	20.0000	20 (A)
21 2-Butanone	43	4.300	4.300	(0.757)	1629471	200.000	190
22 Bromochloromethane	128	4.544	4.544	(0.800)	394940	20.0000	20 (AQ)
\$ 23 Chloroform-d	84	4.611	4.610	(0.812)	2699042	20.0000	20 (A)
24 Chloroform	83	4.635	4.635	(0.816)	2562973	20.0000	21 (A)
25 1,1,1-Trichloroethane	97	4.830	4.829	(0.533)	2783111	20.0000	20 (A)
26 Cyclohexane	56	4.890	4.884	(0.540)	4930948	20.0000	21 (A)
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	2320138	20.0000	21 (A)
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.182	(0.913)	997880	20.0000	20
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	5904899	20.0000	20 (A)
30 Benzene	78	5.249	5.243	(0.579)	6325913	20.0000	20 (A)
31 1,2-Dichloroethane	62	5.274	5.267	(0.928)	1408510	20.0000	20 (A)
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1156061	5.00000	
33 Trichloroethene	95	5.967	5.967	(0.658)	1624310	20.0000	20
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	1492479	20.0000	20
35 Methylcyclohexane	55	6.180	6.180	(0.682)	3545530	20.0000	20 (A)
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	1499425	20.0000	20
37 Bromodichloromethane	83	6.545	6.545	(0.722)	1526686	20.0000	20 (A)
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	1756006	20.0000	20 (A)
39 4-Methyl-2-pentanone	43	7.257	7.251	(0.801)	4436820	200.000	200 (A)
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	5414767	20.0000	21 (A)
41 Toluene	91	7.446	7.439	(0.821)	6677925	20.0000	21 (A)
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.677	(0.848)	1181388	20.0000	20 (A)
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	1274991	20.0000	20 (A)
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	531411	20.0000	20
45 Tetrachloroethene	164	8.078	8.072	(0.891)	1130249	20.0000	20
\$ 46 2-Hexanone-d5	63	8.176	8.175	(0.902)	1230247	200.000	200
47 2-Hexanone	43	8.236	8.230	(0.909)	2770579	200.000	200
48 Dibromochloromethane	129	8.382	8.382	(0.925)	692279	20.0000	21 (A)
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	512376	20.0000	21 (A)
* 50 Chlorobenzene-d5	117	9.064	9.058	(1.000)	836867	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	3514840	20.0000	21 (A)
52 Ethylbenzene	91	9.234	9.234	(1.019)	7630716	20.0000	21 (A)
53 m,p-Xylene	106	9.380	9.380	(1.035)	2656832	20.0000	20 (A)
54 Styrene	104	9.873	9.873	(1.089)	3718801	20.0000	21 (A)
55 o-Xylene	106	9.855	9.854	(1.087)	2396331	20.0000	21 (A)
56 Bromoform	173	10.086	10.086	(0.848)	311084	20.0000	21 (A)
57 Isopropylbenzene	105	10.305	10.305	(1.137)	6829272	20.0000	21 (A)
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	10.652	10.651	(1.175)	464346	20.0000	20 (A)
59 1,1,1,2,2-Tetrachloroethane	83	10.682	10.682	(1.179)	460021	20.0000	20
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	2144940	20.0000	20
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	313863	5.00000	(Q)

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/L)	ON-COL (ug/L)
-----	----	==	-----	-----	-----	-----	-----	-----
62 1,4-Dichlorobenzene	146		11.923	11.923	(1.002)	2003872	20.0000	19
\$ 63 1,2-Dichlorobenzene-d4	152		12.337	12.337	(1.037)	922500	20.0000	20
64 1,2-Dichlorobenzene	146		12.355	12.355	(1.038)	1536633	20.0000	20
65 1,2-Dibromo-3-chloropropane	75		13.213	13.213	(1.110)	49916	20.0000	19
66 1,2,4-Trichlorobenzene	180		14.034	14.034	(1.179)	454701	20.0000	19
67 1,2,3-Trichlorobenzene	180		14.496	14.496	(1.218)	269717	20.0000	20

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.: 136424
Instrument ID: M.i Calibration Date: 03/21/2010 Time: 1215
Lab File ID: MBE05EV Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD####): VSTD005MO Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.569	0.659	0.010	15.9	40.0
Chloromethane	0.391	0.396	0.010	1.2	40.0
Vinyl chloride	0.410	0.434	0.100	5.8	30.0
Bromomethane	0.327	0.335	0.100	2.4	30.0
Chloroethane	0.257	0.277	0.010	7.9	40.0
Trichlorofluoromethane	0.797	0.905	0.010	13.5	40.0
1,1-Dichloroethene	0.366	0.382	0.100	4.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.773	0.837	0.010	8.2	40.0
Acetone	0.013	0.011	0.010	-14.7	40.0
Carbon disulfide	1.110	1.118	0.010	0.7	40.0
Methyl acetate	0.042	0.045	0.010	6.5	40.0
Methylene chloride	0.239	0.248	0.010	3.6	40.0
trans-1,2-Dichloroethene	0.400	0.407	0.010	1.8	40.0
Methyl tert-butyl ether	0.285	0.284	0.010	-0.5	40.0
1,1-Dichloroethane	0.767	0.814	0.200	6.1	30.0
cis-1,2-Dichloroethene	0.337	0.344	0.010	2.0	40.0
2-Butanone	0.024	0.024	0.010	2.4	40.0
Bromochloromethane	0.125	0.123	0.050	-2.1	30.0
Chloroform	0.646	0.699	0.200	8.2	30.0
1,1,1-Trichloroethane	0.901	0.983	0.100	9.1	30.0
Cyclohexane	0.858	0.925	0.010	7.8	40.0
Carbon tetrachloride	0.864	0.922	0.100	6.7	30.0
Benzene	1.252	1.321	0.400	5.5	30.0
1,2-Dichloroethane	0.217	0.257	0.100	18.0	30.0
Trichloroethene	0.630	0.671	0.300	6.5	30.0
Methylcyclohexane	0.751	0.853	0.010	13.6	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.: 136424
Instrument ID: M.i Calibration Date: 03/21/2010 Time: 1215
Lab File ID: MBE05EV Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No.(VSTD#####): VSTD005MO Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.470	0.498	0.010	5.8	40.0
Bromodichloromethane	0.616	0.665	0.200	7.9	30.0
cis-1,3-Dichloropropene	0.528	0.552	0.200	4.7	30.0
4-Methyl-2-pentanone	0.100	0.104	0.010	4.0	40.0
Toluene	1.431	1.499	0.400	4.7	30.0
trans-1,3-Dichloropropene	0.343	0.354	0.100	3.4	30.0
1,1,2-Trichloroethane	0.192	0.187	0.100	-2.6	30.0
Tetrachloroethene	0.613	0.602	0.100	-1.8	30.0
2-Hexanone	0.068	0.069	0.010	2.2	40.0
Dibromochloromethane	0.371	0.370	0.100	-0.3	30.0
1,2-Dibromoethane	0.279	0.273	0.010	-2.2	40.0
Chlorobenzene	1.054	1.015	0.500	-3.7	30.0
Ethylbenzene	1.902	1.986	0.100	4.4	30.0
o-Xylene	0.670	0.662	0.300	-1.2	30.0
m,p-Xylene	0.774	0.777	0.300	0.4	30.0
Styrene	0.996	0.986	0.300	-1.0	30.0
Bromoform	0.434	0.414	0.050	-4.6	30.0
Isopropylbenzene	2.276	2.358	0.010	3.6	40.0
1,1,2,2-Tetrachloroethane	0.233	0.223	0.100	-4.4	30.0
1,3-Dichlorobenzene	1.645	1.573	0.400	-4.3	30.0
1,4-Dichlorobenzene	1.693	1.606	0.400	-5.1	30.0
1,2-Dichlorobenzene	1.214	1.142	0.400	-5.9	30.0
1,2-Dibromo-3-chloropropane	0.072	0.069	0.010	-5.2	40.0
1,2,4-Trichlorobenzene	1.040	0.906	0.200	-12.9	30.0
1,2,3-Trichlorobenzene	0.745	0.624	0.200	-16.2	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.: 136424
Instrument ID: M.i Calibration Date: 03/21/2010 Time: 1215
Lab File ID: MBE05EV Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD#####): VSTD005MO Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.392	0.414	0.010	5.7	30.0
Chloroethane-d5	0.328	0.341	0.010	3.9	40.0
1,1-Dichloroethene-d2	0.938	1.036	0.010	10.4	30.0
2-Butanone-d5	0.025	0.025	0.010	0.3	40.0
Chloroform-d	0.674	0.736	0.010	9.2	30.0
1,2-Dichloroethane-d4	0.177	0.205	0.010	15.5	30.0
Benzene-d6	1.281	1.333	0.010	4.1	30.0
1,2-Dichloropropane-d6	0.622	0.640	0.010	2.8	40.0
Toluene-d8	1.395	1.424	0.010	2.1	30.0
trans-1,3-Dichloropropene-d4	0.326	0.328	0.010	0.4	30.0
2-Hexanone-d5	0.038	0.036	0.010	-6.4	40.0
1,1,2,2-Tetrachloroethane-d2	0.236	0.227	0.010	-3.9	30.0
1,2-Dichlorobenzene-d4	0.824	0.774	0.010	-6.1	30.0

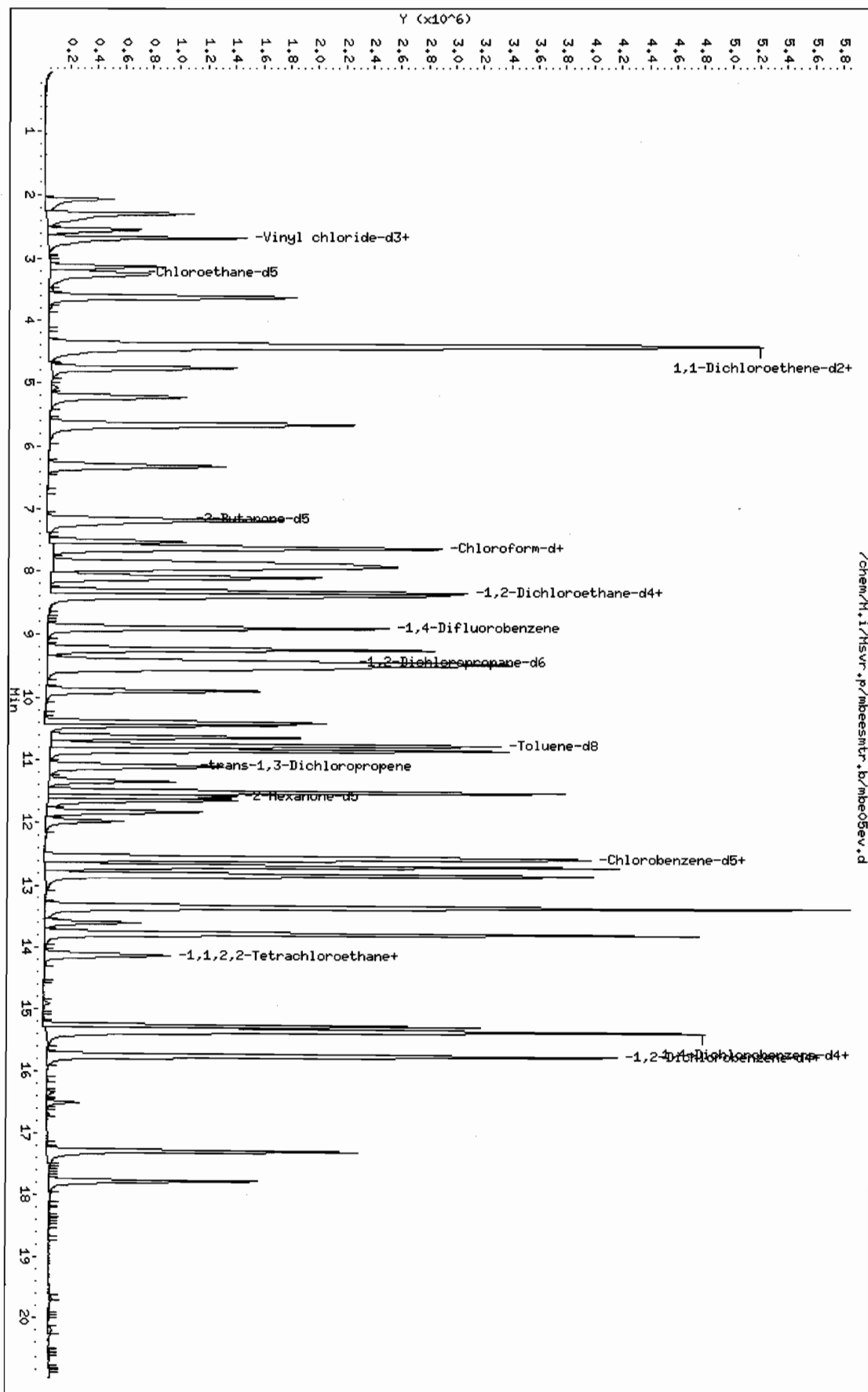
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesnr.b/mbe05ev.d
Date: 21-MAR-2010 12:15
Client ID: VSTD005H0
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53

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Data File: /chem/M.i/Msvr.p/mbeesmtr.b/mbe05ev.d
Report Date: 25-Mar-2010 10:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/mbe05ev.d
Lab Smp Id: VSTD005MO Client Smp ID: VSTD005MO
Inj Date : 21-MAR-2010 12:15
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VSTD005MO,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.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)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.287	2.287	(0.257)	2443041	5.00000	5.8
2 Chloromethane	50	2.534	2.534	(0.285)	1466933	5.00000	5.1
\$ 3 Vinyl chloride-d3	65	2.663	2.663	(0.299)	1535001	5.00000	5.3
4 Vinyl chloride	62	2.673	2.673	(0.300)	1607451	5.00000	5.3
5 Bromomethane	94	3.118	3.118	(0.350)	1240936	5.00000	5.1
\$ 6 Chloroethane-d5	69	3.216	3.216	(0.361)	1262881	5.00000	5.2
7 Chloroethane	64	3.256	3.256	(0.366)	1026594	5.00000	5.4
8 Trichlorofluoromethane	101	3.622	3.622	(0.407)	3354677	5.00000	5.7
\$ 9 1,1-Dichloroethene-d2	63	4.393	4.393	(0.493)	3840867	5.00000	5.5
10 1,1-Dichloroethene	96	4.413	4.413	(0.496)	1415724	5.00000	5.2
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.413	4.413	(0.496)	3101643	5.00000	5.4
12 Acetone	43	4.541	4.541	(0.510)	417861	50.0000	43
13 Carbon disulfide	76	4.759	4.759	(0.535)	4145071	5.00000	5.0
14 Methyl acetate	43	5.075	5.075	(0.570)	167335	5.00000	5.3

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.224	5.224	(0.587)	919607	5.00000	5.2
16 trans-1,2-Dichloroethene	96	5.649	5.649	(0.635)	1508306	5.00000	5.1
17 Methyl tert-butyl ether	73	5.669	5.669	(0.637)	1053297	5.00000	5.0
18 1,1-Dichloroethane	63	6.311	6.311	(0.709)	3019074	5.00000	5.3
\$ 19 2-Butanone-d5	46	7.152	7.152	(0.803)	939514	50.0000	50
20 cis-1,2-Dichloroethene	96	7.182	7.182	(0.807)	1273895	5.00000	5.1
21 2-Butanone	43	7.241	7.241	(0.813)	900585	50.0000	51
22 Bromochloromethane	128	7.528	7.528	(0.846)	454780	5.00000	4.9
\$ 23 Chloroform-d	84	7.617	7.617	(0.856)	2728908	5.00000	5.5
24 Chloroform	83	7.646	7.646	(0.859)	2589699	5.00000	5.4
25 1,1,1-Trichloroethane	97	7.874	7.874	(0.628)	2813745	5.00000	5.5
26 Cyclohexane	56	7.943	7.943	(0.633)	2647562	5.00000	5.4
27 Carbon tetrachloride	117	8.101	8.101	(0.646)	2639431	5.00000	5.3
\$ 28 1,2-Dichloroethane-d4	65	8.329	8.329	(0.936)	758858	5.00000	5.8
\$ 29 Benzene-d6	84	8.339	8.339	(0.665)	3815932	5.00000	5.2
30 Benzene	78	8.388	8.388	(0.669)	3780895	5.00000	5.3
31 1,2-Dichloroethane	62	8.428	8.428	(0.947)	951304	5.00000	5.9
* 32 1,4-Difluorobenzene	114	8.902	8.902	(1.000)	3707257	5.00000	
33 Trichloroethene	95	9.238	9.238	(0.737)	1919553	5.00000	5.3
\$ 34 1,2-Dichloropropane-d6	67	9.416	9.416	(0.751)	1830625	5.00000	5.1
35 Methylcyclohexane	55	9.466	9.466	(0.755)	2442595	5.00000	5.7
36 1,2-Dichloropropane	63	9.535	9.535	(0.760)	1424321	5.00000	5.3
37 Bromodichloromethane	83	9.891	9.891	(0.789)	1903811	5.00000	5.4
38 cis-1,3-Dichloropropene	75	10.445	10.445	(0.833)	1581316	5.00000	5.2
39 4-Methyl-2-pentanone	43	10.633	10.633	(0.848)	2963506	50.0000	52
\$ 40 Toluene-d8	98	10.771	10.771	(0.859)	4076427	5.00000	5.1
41 Toluene	91	10.850	10.850	(0.865)	4289921	5.00000	5.2
\$ 42 trans-1,3-Dichloropropene-d4	79	11.088	11.088	(0.884)	937521	5.00000	5.0
43 trans-1,3-Dichloropropene	75	11.127	11.127	(0.887)	1013483	5.00000	5.2
44 1,1,2-Trichloroethane	97	11.354	11.354	(0.905)	535706	5.00000	4.9
45 Tetrachloroethene	164	11.523	11.523	(0.919)	1722869	5.00000	4.9
\$ 46 2-Hexanone-d5	63	11.592	11.592	(0.924)	1030931	50.0000	47
47 2-Hexanone	43	11.651	11.651	(0.929)	1979205	50.0000	51
48 Dibromochloromethane	129	11.839	11.839	(0.944)	1059200	5.00000	5.0
49 1,2-Dibromoethane	107	11.987	11.987	(0.956)	780671	5.00000	4.9
* 50 Chlorobenzene-d5	117	12.541	12.541	(1.000)	2862264	5.00000	
51 Chlorobenzene	112	12.581	12.581	(1.003)	2906258	5.00000	4.8
52 Ethylbenzene	91	12.689	12.689	(1.012)	5684701	5.00000	5.2
53 m,p-Xylene	106	12.838	12.838	(1.024)	2223939	5.00000	5.0
54 Styrene	104	13.342	13.342	(1.064)	2822534	5.00000	4.9
55 o-Xylene	106	13.322	13.322	(1.062)	1895146	5.00000	4.9
56 Bromoform	173	13.589	13.589	(0.886)	586930	5.00000	4.8
57 Isopropylbenzene	105	13.767	13.767	(1.098)	6750310	5.00000	5.2
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	14.103	14.103	(1.125)	649226	5.00000	4.8
59 1,1,2,2-Tetrachloroethane	83	14.133	14.133	(1.127)	636950	5.00000	4.8
60 1,3-Dichlorobenzene	146	15.260	15.260	(0.995)	2229462	5.00000	4.8
* 61 1,4-Dichlorobenzene-d4	152	15.330	15.330	(1.000)	1417011	5.00000	

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.349	15.349	(1.001)	2276002	5.00000	4.7
\$ 63 1,2-Dichlorobenzene-d4	152	15.725	15.725	(1.026)	1096691	5.00000	4.7
64 1,2-Dichlorobenzene	146	15.745	15.745	(1.027)	1618574	5.00000	4.7
65 1,2-Dibromo-3-chloropropane	75	16.496	16.496	(1.076)	97140	5.00000	4.7
66 1,2,4-Trichlorobenzene	180	17.278	17.278	(1.127)	1284460	5.00000	4.4
67 1,2,3-Trichlorobenzene	180	17.762	17.762	(1.159)	884513	5.00000	4.2

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.: 136424
Instrument ID: M.i Calibration Date: 03/21/2010 Time: 2052
Lab File ID: MBE05EC1 Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD#####): VSTD005OM Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.569	0.658	0.010	15.7	50.0
Chloromethane	0.391	0.437	0.010	11.7	50.0
Vinyl chloride	0.410	0.447	0.010	9.0	50.0
Bromomethane	0.327	0.341	0.010	4.2	50.0
Chloroethane	0.257	0.287	0.010	11.9	50.0
Trichlorofluoromethane	0.797	0.910	0.010	14.1	50.0
1,1-Dichloroethene	0.366	0.388	0.010	6.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.773	0.837	0.010	8.3	50.0
Acetone	0.013	0.012	0.010	-6.1	50.0
Carbon disulfide	1.110	1.134	0.010	2.1	50.0
Methyl acetate	0.042	0.048	0.010	13.0	50.0
Methylene chloride	0.239	0.262	0.010	9.6	50.0
trans-1,2-Dichloroethene	0.400	0.425	0.010	6.2	50.0
Methyl tert-butyl ether	0.285	0.307	0.010	7.6	50.0
1,1-Dichloroethane	0.767	0.859	0.010	12.0	50.0
cis-1,2-Dichloroethene	0.337	0.360	0.010	6.7	50.0
2-Butanone	0.024	0.028	0.010	19.8	50.0
Bromochloromethane	0.125	0.125	0.010	0.1	50.0
Chloroform	0.646	0.724	0.010	12.1	50.0
1,1,1-Trichloroethane	0.901	0.975	0.010	8.2	50.0
Cyclohexane	0.858	0.962	0.010	12.1	50.0
Carbon tetrachloride	0.864	0.900	0.010	4.2	50.0
Benzene	1.252	1.302	0.010	4.1	50.0
1,2-Dichloroethane	0.217	0.248	0.010	14.1	50.0
Trichloroethene	0.630	0.678	0.010	7.6	50.0
Methylcyclohexane	0.751	0.862	0.010	14.7	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.: 136424
Instrument ID: M.i Calibration Date: 03/21/2010 Time: 2052
Lab File ID: MBE05EC1 Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No.(VSTD#####): VSTD0050M Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.470	0.512	0.010	8.9	50.0
Bromodichloromethane	0.616	0.685	0.010	11.2	50.0
cis-1,3-Dichloropropene	0.528	0.566	0.010	7.2	50.0
4-Methyl-2-pentanone	0.100	0.118	0.010	18.9	50.0
Toluene	1.431	1.548	0.010	8.1	50.0
trans-1,3-Dichloropropene	0.343	0.364	0.010	6.2	50.0
1,1,2-Trichloroethane	0.192	0.195	0.010	1.5	50.0
Tetrachloroethene	0.613	0.594	0.010	-3.1	50.0
2-Hexanone	0.068	0.079	0.010	17.0	50.0
Dibromochloromethane	0.371	0.372	0.010	0.2	50.0
1,2-Dibromoethane	0.279	0.277	0.010	-0.6	50.0
Chlorobenzene	1.054	1.041	0.010	-1.2	50.0
Ethylbenzene	1.902	2.057	0.010	8.1	50.0
o-Xylene	0.670	0.672	0.010	0.4	50.0
m,p-Xylene	0.774	0.774	0.010	0.0	50.0
Styrene	0.996	1.011	0.010	1.5	50.0
Bromoform	0.434	0.405	0.010	-6.8	50.0
Isopropylbenzene	2.276	2.336	0.010	2.7	50.0
1,1,2,2-Tetrachloroethane	0.233	0.239	0.010	2.5	50.0
1,3-Dichlorobenzene	1.645	1.547	0.010	-5.9	50.0
1,4-Dichlorobenzene	1.693	1.650	0.010	-2.6	50.0
1,2-Dichlorobenzene	1.214	1.156	0.010	-4.8	50.0
1,2-Dibromo-3-chloropropane	0.072	0.071	0.010	-2.2	50.0
1,2,4-Trichlorobenzene	1.040	0.885	0.010	-15.0	50.0
1,2,3-Trichlorobenzene	0.745	0.604	0.010	-18.9	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.: 136424
Instrument ID: M.i Calibration Date: 03/21/2010 Time: 2052
Lab File ID: MBE05EC1 Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No.(VSTD#####): VSTD0050M Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.392	0.431	0.010	10.0	50.0
Chloroethane-d5	0.328	0.353	0.010	7.7	50.0
1,1-Dichloroethene-d2	0.938	1.057	0.010	12.7	50.0
2-Butanone-d5	0.025	0.030	0.010	19.5	50.0
Chloroform-d	0.674	0.770	0.010	14.2	50.0
1,2-Dichloroethane-d4	0.177	0.224	0.010	26.3	50.0
Benzene-d6	1.281	1.332	0.010	4.0	50.0
1,2-Dichloropropane-d6	0.622	0.669	0.010	7.5	50.0
Toluene-d8	1.395	1.466	0.010	5.1	50.0
trans-1,3-Dichloropropene-d4	0.326	0.328	0.010	0.5	50.0
2-Hexanone-d5	0.038	0.040	0.010	3.6	50.0
1,1,2,2-Tetrachloroethane-d2	0.236	0.241	0.010	2.2	50.0
1,2-Dichlorobenzene-d4	0.824	0.773	0.010	-6.3	50.0

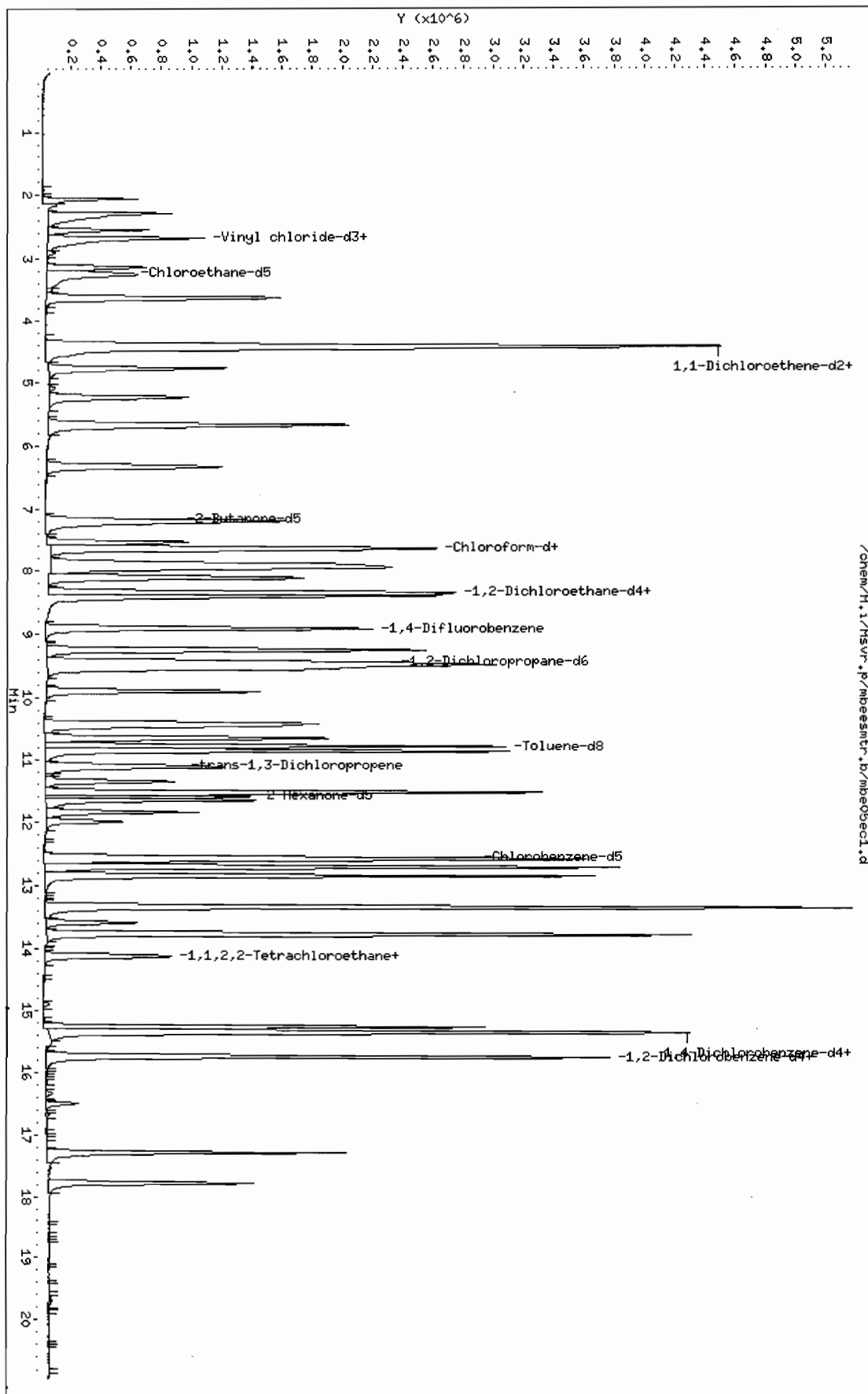
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeesmr.b/mbe05ect1.d
 Date : 21-MAR-2010 20:52
 Client ID: VSTD0050H
 Sample Info:
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: H.i
 Operator: JPL
 Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/mbe05ec1.d
Lab Smp Id: VSTD005OM Client Smp ID: VSTD005OM
Inj Date : 21-MAR-2010 20:52
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VSTD005OM,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:24 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 15 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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.276	2.287	(0.256)		2089366	5.00000	5.8
2 Chloromethane	50	2.533	2.534	(0.285)		1388027	5.00000	5.6
\$ 3 Vinyl chloride-d3	65	2.652	2.663	(0.298)		1368726	5.00000	5.5
4 Vinyl chloride	62	2.662	2.673	(0.299)		1418507	5.00000	5.5
5 Bromomethane	94	3.117	3.118	(0.350)		1081684	5.00000	5.2
\$ 6 Chloroethane-d5	69	3.216	3.216	(0.361)		1121774	5.00000	5.4
7 Chloroethane	64	3.255	3.256	(0.366)		912491	5.00000	5.6
8 Trichlorofluoromethane	101	3.621	3.622	(0.407)		2888535	5.00000	5.7
\$ 9 1,1-Dichloroethene-d2	63	4.392	4.393	(0.493)		3356927	5.00000	5.6
10 1,1-Dichloroethene	96	4.412	4.413	(0.496)		1233484	5.00000	5.3
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.412	4.413	(0.496)		2659359	5.00000	5.4
12 Acetone	43	4.541	4.541	(0.510)		394108	50.0000	47
13 Carbon disulfide	76	4.758	4.759	(0.535)		3600219	5.00000	5.1
14 Methyl acetate	43	5.075	5.075	(0.570)		152039	5.00000	5.6

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.223	5.224	(0.587)	833163	5.00000	5.5
16 trans-1,2-Dichloroethene	96	5.658	5.649	(0.636)	1348262	5.00000	5.3
17 Methyl tert-butyl ether	73	5.668	5.669	(0.637)	974937	5.00000	5.4
18 1,1-Dichloroethane	63	6.311	6.311	(0.709)	2729298	5.00000	5.6
\$ 19 2-Butanone-d5	46	7.151	7.152	(0.803)	958922	50.0000	60
20 cis-1,2-Dichloroethene	96	7.181	7.182	(0.807)	1142296	5.00000	5.3
21 2-Butanone	43	7.240	7.241	(0.813)	903013	50.0000	60
22 Bromochloromethane	128	7.527	7.528	(0.846)	398511	5.00000	5.0 (Q)
\$ 23 Chloroform-d	84	7.616	7.617	(0.856)	2444966	5.00000	5.7
24 Chloroform	83	7.646	7.646	(0.859)	2299736	5.00000	5.6
25 1,1,1-Trichloroethane	97	7.883	7.874	(0.629)	2447909	5.00000	5.4
26 Cyclohexane	56	7.942	7.943	(0.633)	2415195	5.00000	5.6
27 Carbon tetrachloride	117	8.110	8.101	(0.647)	2259817	5.00000	5.2
\$ 28 1,2-Dichloroethane-d4	65	8.328	8.329	(0.936)	710887	5.00000	6.3
\$ 29 Benzene-d6	84	8.338	8.339	(0.665)	3344044	5.00000	5.2
30 Benzene	78	8.387	8.388	(0.669)	3270216	5.00000	5.2
31 1,2-Dichloroethane	62	8.427	8.428	(0.947)	788060	5.00000	5.7
* 32 1,4-Difluorobenzene	114	8.902	8.902	(1.000)	3175852	5.00000	
33 Trichloroethene	95	9.238	9.238	(0.737)	1701365	5.00000	5.4
\$ 34 1,2-Dichloropropane-d6	67	9.426	9.416	(0.752)	1679084	5.00000	5.4
35 Methylcyclohexane	55	9.465	9.466	(0.755)	2164211	5.00000	5.7
36 1,2-Dichloropropane	63	9.534	9.535	(0.760)	1285905	5.00000	5.4
37 Bromodichloromethane	83	9.890	9.891	(0.789)	1720503	5.00000	5.6
38 cis-1,3-Dichloropropene	75	10.444	10.445	(0.833)	1420456	5.00000	5.4
39 4-Methyl-2-pentanone	43	10.642	10.633	(0.849)	2972504	50.0000	59
\$ 40 Toluene-d8	98	10.770	10.771	(0.859)	3680671	5.00000	5.3
41 Toluene	91	10.850	10.850	(0.865)	3886602	5.00000	5.4
\$ 42 trans-1,3-Dichloropropene-d4	79	11.087	11.088	(0.884)	823187	5.00000	5.0
43 trans-1,3-Dichloropropene	75	11.126	11.127	(0.887)	913312	5.00000	5.3
44 1,1,2-Trichloroethane	97	11.354	11.354	(0.905)	490162	5.00000	5.1
45 Tetrachloroethene	164	11.522	11.523	(0.919)	1491842	5.00000	4.8
\$ 46 2-Hexanone-d5	63	11.601	11.592	(0.925)	1001423	50.0000	52
47 2-Hexanone	43	11.660	11.651	(0.930)	1986096	50.0000	58
48 Dibromochloromethane	129	11.848	11.839	(0.945)	934179	5.00000	5.0
49 1,2-Dibromoethane	107	11.997	11.987	(0.957)	696603	5.00000	5.0
* 50 Chlorobenzene-d5	117	12.540	12.541	(1.000)	2511053	5.00000	
51 Chlorobenzene	112	12.580	12.581	(1.003)	2614801	5.00000	4.9
52 Ethylbenzene	91	12.699	12.689	(1.013)	5166193	5.00000	5.4
53 m,p-Xylene	106	12.837	12.838	(1.024)	1943401	5.00000	5.0
54 Styrene	104	13.341	13.342	(1.064)	2538015	5.00000	5.1
55 o-Xylene	106	13.322	13.322	(1.062)	1688250	5.00000	5.0
56 Bromoform	173	13.589	13.589	(0.886)	516353	5.00000	4.7
57 Isopropylbenzene	105	13.767	13.767	(1.098)	5867075	5.00000	5.1
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	14.103	14.103	(1.125)	606178	5.00000	5.1
59 1,1,2,2-Tetrachloroethane	83	14.132	14.133	(1.127)	599079	5.00000	5.1
60 1,3-Dichlorobenzene	146	15.260	15.260	(0.995)	1975035	5.00000	4.7
* 61 1,4-Dichlorobenzene-d4	152	15.329	15.330	(1.000)	1276447	5.00000	

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.359	15.349	(1.002)	2105533	5.00000	4.9
\$ 63 1,2-Dichlorobenzene-d4	152	15.734	15.725	(1.026)	986258	5.00000	4.7
64 1,2-Dichlorobenzene	146	15.754	15.745	(1.028)	1475766	5.00000	4.8
65 1,2-Dibromo-3-chloropropane	75	16.506	16.496	(1.077)	90201	5.00000	4.9
66 1,2,4-Trichlorobenzene	180	17.277	17.278	(1.127)	1129075	5.00000	4.3
67 1,2,3-Trichlorobenzene	180	17.771	17.762	(1.159)	770979	5.00000	4.1

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.: 136424
Instrument ID: M.i Calibration Date: 03/22/2010 Time: 0912
Lab File ID: MBE05FV Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD####): VSTD005MP Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.569	0.668	0.010	17.4	40.0
Chloromethane	0.391	0.435	0.010	11.2	40.0
Vinyl chloride	0.410	0.470	0.100	14.7	30.0
Bromomethane	0.327	0.366	0.100	11.9	30.0
Chloroethane	0.257	0.298	0.010	15.9	40.0
Trichlorofluoromethane	0.797	0.936	0.010	17.4	40.0
1,1-Dichloroethene	0.366	0.404	0.100	10.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.773	0.864	0.010	11.7	40.0
Acetone	0.013	0.014	0.010	4.6	40.0
Carbon disulfide	1.110	1.193	0.010	7.5	40.0
Methyl acetate	0.042	0.053	0.010	24.6	40.0
Methylene chloride	0.239	0.273	0.010	14.0	40.0
trans-1,2-Dichloroethene	0.400	0.438	0.010	9.4	40.0
Methyl tert-butyl ether	0.285	0.325	0.010	13.7	40.0
1,1-Dichloroethane	0.767	0.890	0.200	15.9	30.0
cis-1,2-Dichloroethene	0.337	0.373	0.010	10.7	40.0
2-Butanone	0.024	0.030	0.010	27.4	40.0
Bromochloromethane	0.125	0.132	0.050	5.0	30.0
Chloroform	0.646	0.758	0.200	17.4	30.0
1,1,1-Trichloroethane	0.901	0.974	0.100	8.1	30.0
Cyclohexane	0.858	0.954	0.010	11.2	40.0
Carbon tetrachloride	0.864	0.893	0.100	3.3	30.0
Benzene	1.252	1.308	0.400	4.5	30.0
1,2-Dichloroethane	0.217	0.275	0.100	26.6	30.0
Trichloroethene	0.630	0.669	0.300	6.3	30.0
Methylcyclohexane	0.751	0.863	0.010	14.9	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.: 136424
Instrument ID: M.i Calibration Date: 03/22/2010 Time: 0912
Lab File ID: MBE05FV Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No.(VSTD####): VSTD005MP Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.470	0.508	0.010	8.1	40.0
Bromodichloromethane	0.616	0.687	0.200	11.4	30.0
cis-1,3-Dichloropropene	0.528	0.582	0.200	10.3	30.0
4-Methyl-2-pentanone	0.100	0.119	0.010	19.3	40.0
Toluene	1.431	1.535	0.400	7.2	30.0
trans-1,3-Dichloropropene	0.343	0.377	0.100	10.1	30.0
1,1,2-Trichloroethane	0.192	0.199	0.100	3.6	30.0
Tetrachloroethene	0.613	0.597	0.100	-2.7	30.0
2-Hexanone	0.068	0.079	0.010	16.5	40.0
Dibromochloromethane	0.371	0.379	0.100	2.1	30.0
1,2-Dibromoethane	0.279	0.283	0.010	1.3	40.0
Chlorobenzene	1.054	1.038	0.500	-1.5	30.0
Ethylbenzene	1.902	2.031	0.100	6.7	30.0
o-Xylene	0.670	0.675	0.300	0.8	30.0
m,p-Xylene	0.774	0.771	0.300	-0.3	30.0
Styrene	0.996	1.018	0.300	2.2	30.0
Bromoform	0.434	0.400	0.050	-7.8	30.0
Isopropylbenzene	2.276	2.331	0.010	2.4	40.0
1,1,2,2-Tetrachloroethane	0.233	0.239	0.100	2.6	30.0
1,3-Dichlorobenzene	1.645	1.555	0.400	-5.5	30.0
1,4-Dichlorobenzene	1.693	1.575	0.400	-6.9	30.0
1,2-Dichlorobenzene	1.214	1.131	0.400	-6.9	30.0
1,2-Dibromo-3-chloropropane	0.072	0.070	0.010	-2.6	40.0
1,2,4-Trichlorobenzene	1.040	0.869	0.200	-16.5	30.0
1,2,3-Trichlorobenzene	0.745	0.597	0.200	-19.8	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.: 136424
Instrument ID: M.i Calibration Date: 03/22/2010 Time: 0912
Lab File ID: MBE05FV Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD#####): VSTD005MP Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

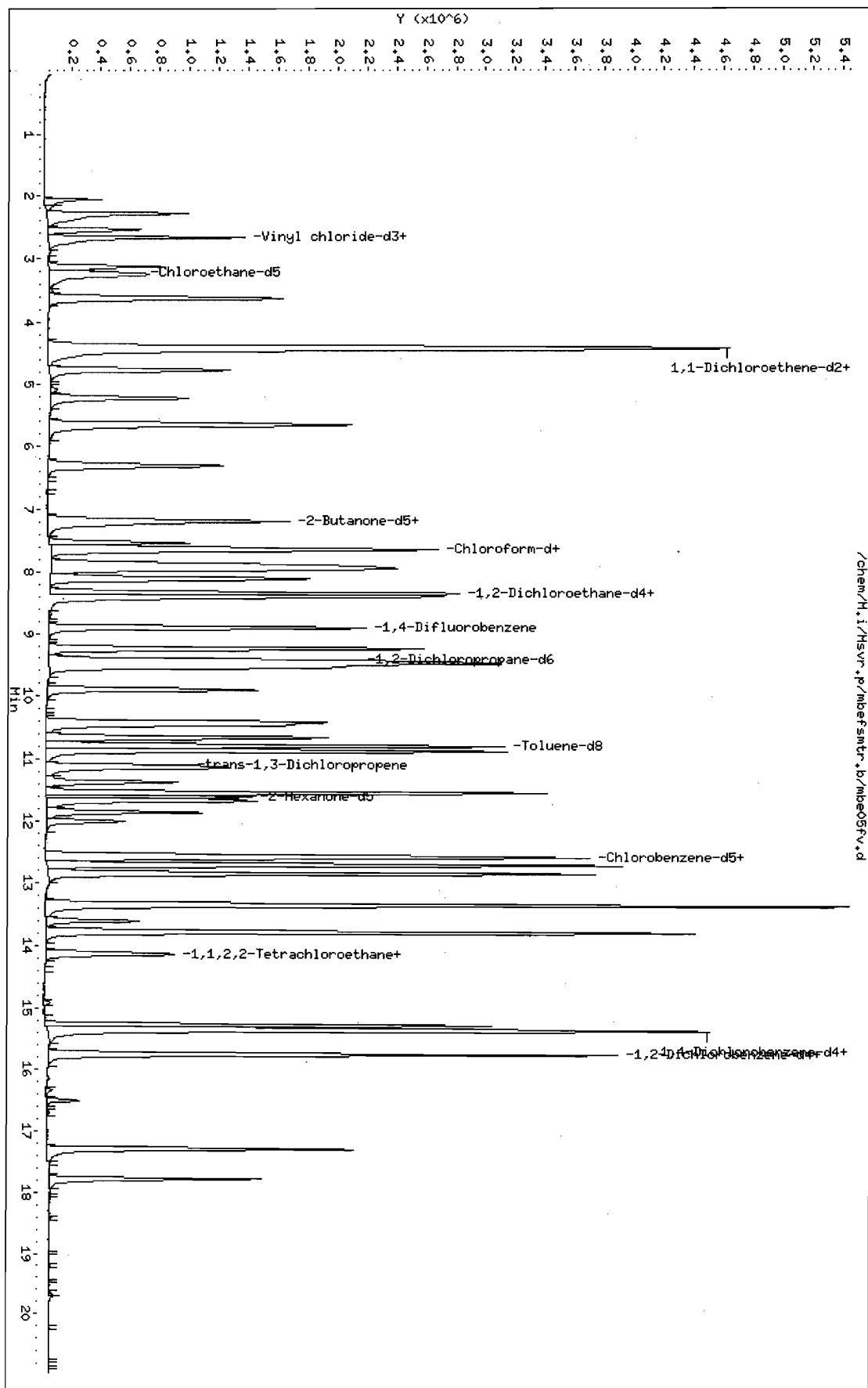
COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.392	0.443	0.010	13.0	30.0
Chloroethane-d5	0.328	0.369	0.010	12.4	40.0
1,1-Dichloroethene-d2	0.938	1.089	0.010	16.1	30.0
2-Butanone-d5	0.025	0.032	0.010	28.5	40.0
Chloroform-d	0.674	0.793	0.010	17.6	30.0
1,2-Dichloroethane-d4	0.177	0.216	0.010	22.1	30.0
Benzene-d6	1.281	1.339	0.010	4.6	30.0
1,2-Dichloropropane-d6	0.622	0.671	0.010	7.8	40.0
Toluene-d8	1.395	1.456	0.010	4.4	30.0
trans-1,3-Dichloropropene-d4	0.326	0.348	0.010	6.6	30.0
2-Hexanone-d5	0.038	0.040	0.010	4.6	40.0
1,1,2,2-Tetrachloroethane-d2	0.236	0.244	0.010	3.5	30.0
1,2-Dichlorobenzene-d4	0.824	0.752	0.010	-8.8	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/H.i/Msivr.p/mbe05fvr.d
Date: 22-MAR-2010 09:12
Client ID: VSTD005HP
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: HRV
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbe05fv.d
Report Date: 25-Mar-2010 10:39

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbe05fv.d
Lab Smp Id: VSTD005MP Client Smp ID: VSTD005MP
Inj Date : 22-MAR-2010 09:12
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD005MP,,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 4 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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		2.289	2.289	(0.257)	2094546	5.00000	5.9
2 Chloromethane	50		2.537	2.537	(0.285)	1364221	5.00000	5.6
\$ 3 Vinyl chloride-d3	65		2.665	2.665	(0.299)	1388737	5.00000	5.6
4 Vinyl chloride	62		2.665	2.665	(0.299)	1473750	5.00000	5.7
5 Bromomethane	94		3.120	3.120	(0.350)	1147197	5.00000	5.6
\$ 6 Chloroethane-d5	69		3.219	3.219	(0.361)	1156361	5.00000	5.6
7 Chloroethane	64		3.258	3.258	(0.366)	933622	5.00000	5.8
8 Trichlorofluoromethane	101		3.614	3.614	(0.406)	2936354	5.00000	5.9
\$ 9 1,1-Dichloroethene-d2	63		4.396	4.396	(0.494)	3418070	5.00000	5.8
10 1,1-Dichloroethene	96		4.415	4.415	(0.496)	1269097	5.00000	5.5
11 1,1,2-Trichloro-1,2,2-trifluo	101		4.415	4.415	(0.496)	2711017	5.00000	5.6
12 Acetone	43		4.544	4.544	(0.510)	434037	50.0000	52
13 Carbon disulfide	76		4.761	4.761	(0.535)	3743387	5.00000	5.4
14 Methyl acetate	43		5.078	5.078	(0.570)	165613	5.00000	6.2

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.226	5.226	(0.587)	856225	5.00000	5.7
16 trans-1,2-Dichloroethene	96	5.651	5.651	(0.635)	1372833	5.00000	5.5
17 Methyl tert-butyl ether	73	5.681	5.681	(0.638)	1018217	5.00000	5.7
18 1,1-Dichloroethane	63	6.314	6.314	(0.709)	2790895	5.00000	5.8
\$ 19 2-Butanone-d5	46	7.164	7.164	(0.805)	1018691	50.0000	64
20 cis-1,2-Dichloroethene	96	7.184	7.184	(0.807)	1170682	5.00000	5.5
21 2-Butanone	43	7.243	7.243	(0.813)	948641	50.0000	64
22 Bromochloromethane	128	7.530	7.530	(0.846)	412949	5.00000	5.3
\$ 23 Chloroform-d	84	7.619	7.619	(0.856)	2487912	5.00000	5.9
24 Chloroform	83	7.649	7.649	(0.859)	2379264	5.00000	5.9
25 1,1,1-Trichloroethane	97	7.876	7.876	(0.627)	2513117	5.00000	5.4
26 Cyclohexane	56	7.945	7.945	(0.633)	2462449	5.00000	5.6
27 Carbon tetrachloride	117	8.104	8.104	(0.646)	2303213	5.00000	5.2
\$ 28 1,2-Dichloroethane-d4	65	8.331	8.331	(0.936)	678850	5.00000	6.1
\$ 29 Benzene-d6	84	8.341	8.341	(0.664)	3456436	5.00000	5.2
30 Benzene	78	8.390	8.390	(0.668)	3375502	5.00000	5.2
31 1,2-Dichloroethane	62	8.430	8.430	(0.947)	863658	5.00000	6.3
* 32 1,4-Difluorobenzene	114	8.905	8.905	(1.000)	3137557	5.00000	
33 Trichloroethene	95	9.241	9.241	(0.736)	1727106	5.00000	5.3
\$ 34 1,2-Dichloropropane-d6	67	9.419	9.419	(0.750)	1731150	5.00000	5.4
35 Methylcyclohexane	55	9.468	9.468	(0.754)	2228125	5.00000	5.7
36 1,2-Dichloropropane	63	9.537	9.537	(0.760)	1311918	5.00000	5.4
37 Bromodichloromethane	83	9.893	9.893	(0.788)	1771594	5.00000	5.6
38 cis-1,3-Dichloropropene	75	10.447	10.447	(0.832)	1502012	5.00000	5.5
39 4-Methyl-2-pentanone	43	10.645	10.645	(0.848)	3066905	50.0000	60
\$ 40 Toluene-d8	98	10.774	10.774	(0.858)	3757048	5.00000	5.2
41 Toluene	91	10.853	10.853	(0.865)	3961174	5.00000	5.4
\$ 42 trans-1,3-Dichloropropene-d4	79	11.090	11.090	(0.883)	897108	5.00000	5.3
43 trans-1,3-Dichloropropene	75	11.130	11.130	(0.887)	973019	5.00000	5.5
44 1,1,2-Trichloroethane	97	11.357	11.357	(0.905)	514137	5.00000	5.2
45 Tetrachloroethene	164	11.525	11.525	(0.918)	1540145	5.00000	4.9
\$ 46 2-Hexanone-d5	63	11.594	11.594	(0.924)	1038488	50.0000	52
47 2-Hexanone	43	11.654	11.654	(0.928)	2033770	50.0000	58
48 Dibromochloromethane	129	11.851	11.851	(0.944)	978554	5.00000	5.1
49 1,2-Dibromoethane	107	12.000	12.000	(0.956)	729035	5.00000	5.1
* 50 Chlorobenzene-d5	117	12.553	12.553	(1.000)	2580482	5.00000	
51 Chlorobenzene	112	12.583	12.583	(1.002)	2678327	5.00000	4.9
52 Ethylbenzene	91	12.702	12.702	(1.012)	5240168	5.00000	5.3
53 m,p-Xylene	106	12.840	12.840	(1.023)	1990790	5.00000	5.0
54 Styrene	104	13.344	13.344	(1.063)	2626302	5.00000	5.1
55 o-Xylene	106	13.335	13.335	(1.062)	1742384	5.00000	5.0
56 Bromoform	173	13.602	13.602	(0.887)	540082	5.00000	4.6
57 Isopropylbenzene	105	13.770	13.770	(1.097)	6015734	5.00000	5.1
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.116	14.116	(1.124)	630866	5.00000	5.2
59 1,1,2,2-Tetrachloroethane	83	14.145	14.145	(1.127)	616796	5.00000	5.1
60 1,3-Dichlorobenzene	146	15.263	15.263	(0.995)	2096993	5.00000	4.7
* 61 1,4-Dichlorobenzene-d4	152	15.332	15.332	(1.000)	1348778	5.00000	

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.362	15.362	(1.002)	2124781	5.00000	4.7
\$ 63 1,2-Dichlorobenzene-d4	152	15.737	15.737	(1.026)	1014350	5.00000	4.6
64 1,2-Dichlorobenzene	146	15.757	15.757	(1.028)	1525367	5.00000	4.7
65 1,2-Dibromo-3-chloropropane	75	16.509	16.509	(1.077)	94962	5.00000	4.9
66 1,2,4-Trichlorobenzene	180	17.290	17.290	(1.128)	1172394	5.00000	4.2
67 1,2,3-Trichlorobenzene	180	17.774	17.774	(1.159)	805624	5.00000	4.0

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.: 136424
Instrument ID: M.i Calibration Date: 03/22/2010 Time: 1925
Lab File ID: MBE05FC1 Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No. (VSTD####): VSTD005PM Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.569	0.695	0.010	22.3	50.0
Chloromethane	0.391	0.451	0.010	15.2	50.0
Vinyl chloride	0.410	0.469	0.010	14.4	50.0
Bromomethane	0.327	0.347	0.010	6.0	50.0
Chloroethane	0.257	0.297	0.010	15.6	50.0
Trichlorofluoromethane	0.797	0.957	0.010	20.0	50.0
1,1-Dichloroethene	0.366	0.404	0.010	10.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.773	0.871	0.010	12.6	50.0
Acetone	0.013	0.016	0.010	22.9	50.0
Carbon disulfide	1.110	1.184	0.010	6.7	50.0
Methyl acetate	0.042	0.061	0.010	43.7	50.0
Methylene chloride	0.239	0.286	0.010	19.4	50.0
trans-1,2-Dichloroethene	0.400	0.431	0.010	7.8	50.0
Methyl tert-butyl ether	0.285	0.371	0.010	30.1	50.0
1,1-Dichloroethane	0.767	0.910	0.010	18.6	50.0
cis-1,2-Dichloroethene	0.337	0.385	0.010	14.1	50.0
2-Butanone	0.024	0.036	0.010	52.8	50.0
Bromochloromethane	0.125	0.144	0.010	14.7	50.0
Chloroform	0.646	0.798	0.010	23.6	50.0
1,1,1-Trichloroethane	0.901	0.950	0.010	5.5	50.0
Cyclohexane	0.858	0.906	0.010	5.6	50.0
Carbon tetrachloride	0.864	0.862	0.010	-0.2	50.0
Benzene	1.252	1.273	0.010	1.7	50.0
1,2-Dichloroethane	0.217	0.311	0.010	43.0	50.0
Trichloroethene	0.630	0.648	0.010	3.0	50.0
Methylcyclohexane	0.751	0.841	0.010	12.0	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.: 136424
Instrument ID: M.i Calibration Date: 03/22/2010 Time: 1925
Lab File ID: MBE05FC1 Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No.(VSTD#####): VSTD005PM Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.470	0.527	0.010	12.1	50.0
Bromodichloromethane	0.616	0.723	0.010	17.3	50.0
cis-1,3-Dichloropropene	0.528	0.585	0.010	11.0	50.0
4-Methyl-2-pentanone	0.100	0.137	0.010	37.2	50.0
Toluene	1.431	1.514	0.010	5.8	50.0
trans-1,3-Dichloropropene	0.343	0.387	0.010	13.0	50.0
1,1,2-Trichloroethane	0.192	0.214	0.010	11.1	50.0
Tetrachloroethene	0.613	0.565	0.010	-7.8	50.0
2-Hexanone	0.068	0.093	0.010	38.0	50.0
Dibromochloromethane	0.371	0.403	0.010	8.5	50.0
1,2-Dibromoethane	0.279	0.301	0.010	8.0	50.0
Chlorobenzene	1.054	1.039	0.010	-1.4	50.0
Ethylbenzene	1.902	1.997	0.010	5.0	50.0
o-Xylene	0.670	0.667	0.010	-0.5	50.0
m,p-Xylene	0.774	0.760	0.010	-1.8	50.0
Styrene	0.996	1.025	0.010	2.9	50.0
Bromoform	0.434	0.423	0.010	-2.6	50.0
Isopropylbenzene	2.276	2.248	0.010	-1.2	50.0
1,1,2,2-Tetrachloroethane	0.233	0.268	0.010	15.1	50.0
1,3-Dichlorobenzene	1.645	1.551	0.010	-5.7	50.0
1,4-Dichlorobenzene	1.693	1.610	0.010	-4.9	50.0
1,2-Dichlorobenzene	1.214	1.158	0.010	-4.6	50.0
1,2-Dibromo-3-chloropropane	0.072	0.078	0.010	8.5	50.0
1,2,4-Trichlorobenzene	1.040	0.898	0.010	-13.7	50.0
1,2,3-Trichlorobenzene	0.745	0.643	0.010	-13.7	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.: 136424
Instrument ID: M.i Calibration Date: 03/22/2010 Time: 1925
Lab File ID: MBE05FC1 Init. Calib. Date(s): 03/17/2010 03/17/2010
EPA Sample No.(VSTD#####): VSTD005PM Init. Calib. Time(s): 1332 1539
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.392	0.443	0.010	13.1	50.0
Chloroethane-d5	0.328	0.362	0.010	10.6	50.0
1,1-Dichloroethene-d2	0.938	1.115	0.010	18.9	50.0
2-Butanone-d5	0.025	0.039	0.010	53.8	50.0
Chloroform-d	0.674	0.845	0.010	25.3	50.0
1,2-Dichloroethane-d4	0.177	0.245	0.010	38.2	50.0
Benzene-d6	1.281	1.307	0.010	2.0	50.0
1,2-Dichloropropane-d6	0.622	0.670	0.010	7.7	50.0
Toluene-d8	1.395	1.431	0.010	2.6	50.0
trans-1,3-Dichloropropene-d4	0.326	0.358	0.010	9.8	50.0
2-Hexanone-d5	0.038	0.046	0.010	18.3	50.0
1,1,2,2-Tetrachloroethane-d2	0.236	0.271	0.010	14.6	50.0
1,2-Dichlorobenzene-d4	0.824	0.771	0.010	-6.4	50.0

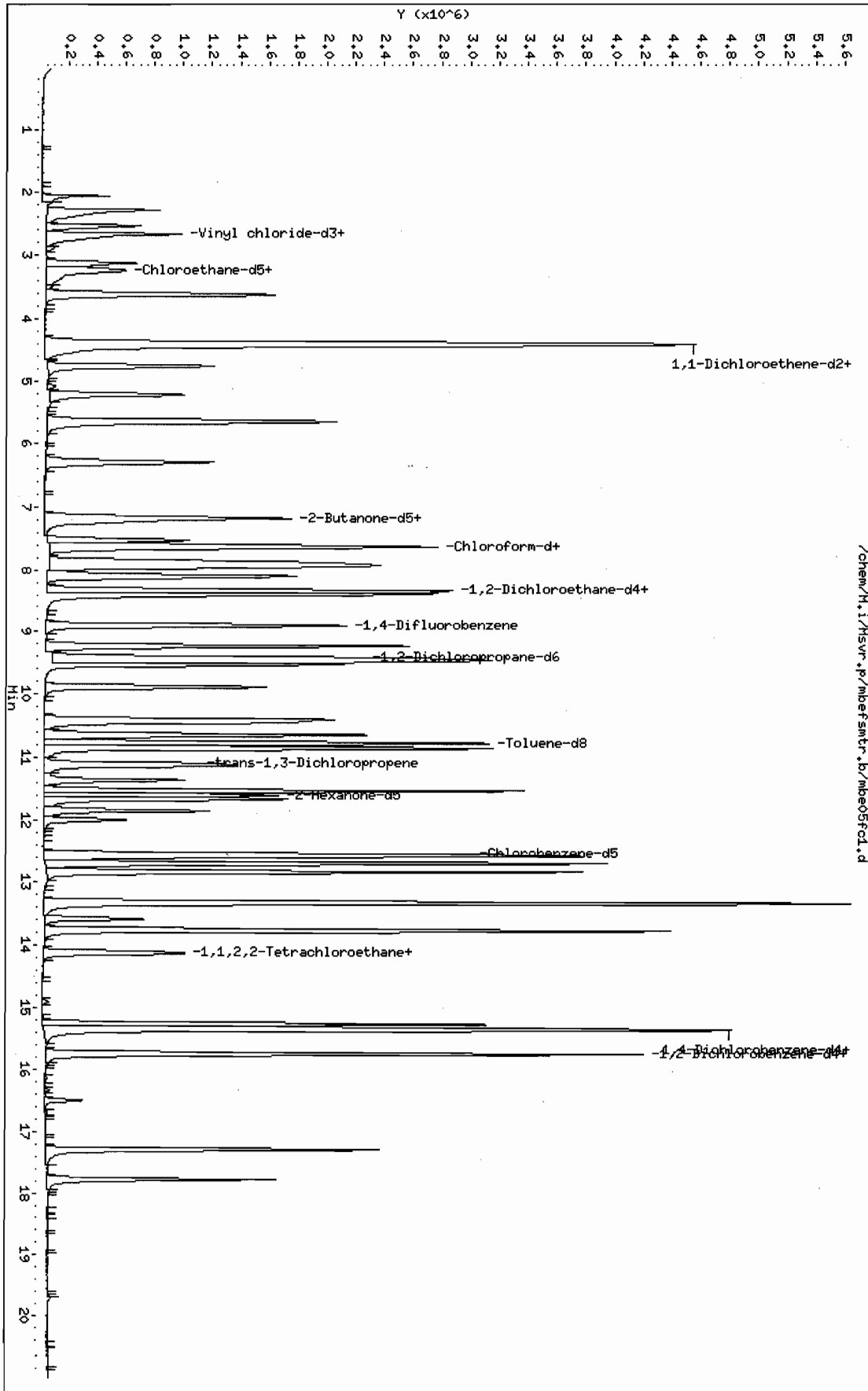
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/M.i/Msuv.p/mbe05fcl.d
Date: 22-MAR-2010 19:25
Client ID: VSTD005PH
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: HRV
Column diameter: 0.53

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Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbe05fc1.d
Report Date: 25-Mar-2010 10:40

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbe05fc1.d
Lab Smp Id: VSTD005PM Client Smp ID: VSTD005PM
Inj Date : 22-MAR-2010 19:25
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD005PM,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:40 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 23 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	2.281	2.281	(0.256)	2110548	5.00000	6.1
2 Chloromethane	50	2.538	2.538	(0.285)	1367532	5.00000	5.8
\$ 3 Vinyl chloride-d3	65	2.657	2.657	(0.299)	1344454	5.00000	5.7
4 Vinyl chloride	62	2.667	2.667	(0.300)	1422135	5.00000	5.7
5 Bromomethane	94	3.122	3.122	(0.351)	1051685	5.00000	5.3
\$ 6 Chloroethane-d5	69	3.221	3.221	(0.362)	1100080	5.00000	5.5
7 Chloroethane	64	3.260	3.260	(0.366)	900144	5.00000	5.8
8 Trichlorofluoromethane	101	3.616	3.616	(0.406)	2903512	5.00000	6.0
\$ 9 1,1-Dichloroethene-d2	63	4.387	4.387	(0.493)	3385198	5.00000	5.9
10 1,1-Dichloroethene	96	4.417	4.417	(0.496)	1225949	5.00000	5.5
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.417	4.417	(0.496)	2643748	5.00000	5.6
12 Acetone	43	4.546	4.546	(0.511)	492845	50.0000	61
13 Carbon disulfide	76	4.753	4.753	(0.534)	3593128	5.00000	5.3
14 Methyl acetate	43	5.090	5.090	(0.572)	184828	5.00000	7.2

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====		=====	=====
15 Methylene chloride	84	5.218	5.218	(0.587)	867578		5.00000	6.0
16 trans-1,2-Dichloroethene	96	5.643	5.643	(0.634)	1308551		5.00000	5.4
17 Methyl tert-butyl ether	73	5.663	5.663	(0.637)	1126727		5.00000	6.5
18 1,1-Dichloroethane	63	6.306	6.306	(0.709)	2760748		5.00000	5.9
\$ 19 2-Butanone-d5	46	7.156	7.156	(0.804)	1179714		50.0000	77
20 cis-1,2-Dichloroethene	96	7.186	7.186	(0.808)	1167130		5.00000	5.7
21 2-Butanone	43	7.235	7.235	(0.813)	1100530		50.0000	76
22 Bromochloromethane	128	7.522	7.522	(0.846)	436154		5.00000	5.7
\$ 23 Chloroform-d	84	7.611	7.611	(0.856)	2564414		5.00000	6.3
24 Chloroform	83	7.641	7.641	(0.859)	2422557		5.00000	6.2
25 1,1,1-Trichloroethane	97	7.868	7.868	(0.628)	2505978		5.00000	5.3
26 Cyclohexane	56	7.937	7.937	(0.633)	2389023		5.00000	5.3
27 Carbon tetrachloride	117	8.096	8.096	(0.646)	2273097		5.00000	5.0
\$ 28 1,2-Dichloroethane-d4	65	8.323	8.323	(0.936)	743463		5.00000	6.9
\$ 29 Benzene-d6	84	8.333	8.333	(0.665)	3446232		5.00000	5.1
30 Benzene	78	8.382	8.382	(0.669)	3357442		5.00000	5.1
31 1,2-Dichloroethane	62	8.422	8.422	(0.947)	943549		5.00000	7.2
* 32 1,4-Difluorobenzene	114	8.897	8.897	(1.000)	3034714		5.00000	
33 Trichloroethene	95	9.233	9.233	(0.737)	1709746		5.00000	5.2
\$ 34 1,2-Dichloropropane-d6	67	9.411	9.411	(0.751)	1766305		5.00000	5.4
35 Methylcyclohexane	55	9.460	9.460	(0.755)	2218628		5.00000	5.6
36 1,2-Dichloropropane	63	9.529	9.529	(0.760)	1390087		5.00000	5.6
37 Bromodichloromethane	83	9.885	9.885	(0.789)	1906293		5.00000	5.9
38 cis-1,3-Dichloropropene	75	10.439	10.439	(0.833)	1543438		5.00000	5.5
39 4-Methyl-2-pentanone	43	10.637	10.637	(0.849)	3602582		50.0000	69
\$ 40 Toluene-d8	98	10.765	10.765	(0.859)	3772645		5.00000	5.1
41 Toluene	91	10.844	10.844	(0.865)	3992617		5.00000	5.3
\$ 42 trans-1,3-Dichloropropene-d4	79	11.082	11.082	(0.884)	944833		5.00000	5.5
43 trans-1,3-Dichloropropene	75	11.121	11.121	(0.887)	1020032		5.00000	5.6
44 1,1,2-Trichloroethane	97	11.349	11.349	(0.905)	563271		5.00000	5.6
45 Tetrachloroethene	164	11.517	11.517	(0.919)	1490160		5.00000	4.6
\$ 46 2-Hexanone-d5	63	11.596	11.596	(0.925)	1199990		50.0000	59
47 2-Hexanone	43	11.655	11.655	(0.930)	2460804		50.0000	69
48 Dibromochloromethane	129	11.843	11.843	(0.945)	1061754		5.00000	5.4
49 1,2-Dibromoethane	107	11.982	11.982	(0.956)	794411		5.00000	5.4
* 50 Chlorobenzene-d5	117	12.535	12.535	(1.000)	2636625		5.00000	
51 Chlorobenzene	112	12.575	12.575	(1.003)	2739514		5.00000	4.9
52 Ethylbenzene	91	12.694	12.694	(1.013)	5265078		5.00000	5.2
53 m,p-Xylene	106	12.832	12.832	(1.024)	2003182		5.00000	4.9
54 Styrene	104	13.336	13.336	(1.064)	2701960		5.00000	5.1
55 o-Xylene	106	13.317	13.317	(1.062)	1757662		5.00000	5.0
56 Bromoform	173	13.593	13.593	(0.886)	594342		5.00000	4.9
57 Isopropylbenzene	105	13.762	13.762	(1.098)	5928021		5.00000	4.9
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.098	14.098	(1.125)	713227		5.00000	5.7
59 1,1,2,2-Tetrachloroethane	83	14.137	14.137	(1.128)	706622		5.00000	5.8
60 1,3-Dichlorobenzene	146	15.265	15.265	(0.995)	2179678		5.00000	4.7
* 61 1,4-Dichlorobenzene-d4	152	15.334	15.334	(1.000)	1405220		5.00000	

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.354	15.354	(1.001)	2262497	5.00000	4.8
\$ 63 1,2-Dichlorobenzene-d4	152	15.729	15.729	(1.026)	1083552	5.00000	4.7
64 1,2-Dichlorobenzene	146	15.749	15.749	(1.027)	1627182	5.00000	4.8
65 1,2-Dibromo-3-chloropropane	75	16.501	16.501	(1.076)	110168	5.00000	5.4
66 1,2,4-Trichlorobenzene	180	17.282	17.282	(1.127)	1261306	5.00000	4.3
67 1,2,3-Trichlorobenzene	180	17.766	17.766	(1.159)	903366	5.00000	4.3

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.: 136424
Instrument ID: J.i Calibration Date: 03/24/2010 Time: 1006
Lab File ID: JAM005BV Init. Calib. Date(s): 03/23/2010 03/23/2010
EPA Sample No.(VSTD#####): VSTD005JR Init. Calib. Time(s): 1413 1841
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.444	0.442	0.010	-0.5	40.0
Chloromethane	0.644	0.636	0.010	-1.3	40.0
Vinyl chloride	0.512	0.530	0.100	3.4	30.0
Bromomethane	0.201	0.209	0.100	4.1	30.0
Chloroethane	0.278	0.268	0.010	-3.6	40.0
Trichlorofluoromethane	0.619	0.597	0.010	-3.6	40.0
1,1-Dichloroethene	0.307	0.307	0.100	0.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.346	0.342	0.010	-1.0	40.0
Acetone	0.021	0.020	0.010	-4.4	40.0
Carbon disulfide	0.939	0.895	0.010	-4.7	40.0
Methyl acetate	0.069	0.068	0.010	-2.4	40.0
Methylene chloride	0.238	0.237	0.010	-0.4	40.0
trans-1,2-Dichloroethene	0.335	0.326	0.010	-2.7	40.0
Methyl tert-butyl ether	0.391	0.382	0.010	-2.4	40.0
1,1-Dichloroethane	0.707	0.721	0.200	1.9	30.0
cis-1,2-Dichloroethene	0.316	0.302	0.010	-4.4	40.0
2-Butanone	0.037	0.038	0.010	3.2	40.0
Bromochloromethane	0.084	0.079	0.050	-6.0	30.0
Chloroform	0.537	0.524	0.200	-2.5	30.0
1,1,1-Trichloroethane	0.814	0.822	0.100	1.0	30.0
Cyclohexane	1.400	1.530	0.010	9.3	40.0
Carbon tetrachloride	0.671	0.706	0.100	5.2	30.0
Benzene	1.845	1.886	0.400	2.2	30.0
1,2-Dichloroethane	0.302	0.282	0.100	-6.5	30.0
Trichloroethene	0.489	0.496	0.300	1.5	30.0
Methylcyclohexane	1.050	1.172	0.010	11.6	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.: 136424
Instrument ID: J.i Calibration Date: 03/24/2010 Time: 1006
Lab File ID: JAM005BV Init. Calib. Date(s): 03/23/2010 03/23/2010
EPA Sample No.(VSTD#####): VSTD005JR Init. Calib. Time(s): 1413 1841
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.449	0.454	0.010	1.2	40.0
Bromodichloromethane	0.448	0.447	0.200	-0.3	30.0
cis-1,3-Dichloropropene	0.517	0.527	0.200	1.9	30.0
4-Methyl-2-pentanone	0.132	0.136	0.010	3.5	40.0
Toluene	1.928	1.978	0.400	2.6	30.0
trans-1,3-Dichloropropene	0.379	0.382	0.100	0.9	30.0
1,1,2-Trichloroethane	0.161	0.163	0.100	1.2	30.0
Tetrachloroethene	0.341	0.348	0.100	1.9	30.0
2-Hexanone	0.084	0.088	0.010	4.6	40.0
Dibromochloromethane	0.198	0.193	0.100	-2.6	30.0
1,2-Dibromoethane	0.147	0.148	0.010	0.8	30.0
Chlorobenzene	1.012	1.036	0.500	2.4	30.0
Ethylbenzene	2.195	2.273	0.100	3.5	30.0
o-Xylene	0.685	0.719	0.300	5.0	30.0
m,p-Xylene	0.780	0.825	0.300	5.8	30.0
Styrene	1.072	1.076	0.300	0.4	30.0
Bromoform	0.238	0.250	0.050	4.9	30.0
Isopropylbenzene	1.943	2.065	0.010	6.3	40.0
1,1,2,2-Tetrachloroethane	0.140	0.132	0.100	-6.1	30.0
1,3-Dichlorobenzene	1.713	1.752	0.400	2.3	30.0
1,4-Dichlorobenzene	1.638	1.662	0.400	1.5	30.0
1,2-Dichlorobenzene	1.227	1.212	0.400	-1.2	30.0
1,2-Dibromo-3-chloropropane	0.041	0.048	0.010	15.3	40.0
1,2,4-Trichlorobenzene	0.380	0.328	0.200	-13.7	30.0
1,2,3-Trichlorobenzene	0.219	0.151	0.200	-31.2	30.0

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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.: 136424
Instrument ID: J.i Calibration Date: 03/24/2010 Time: 1006
Lab File ID: JAM005BV Init. Calib. Date(s): 03/23/2010 03/23/2010
EPA Sample No. (VSTD#####): VSTD005JR Init. Calib. Time(s): 1413 1841
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.407	0.398	0.010	-2.1	30.0
Chloroethane-d5	0.273	0.272	0.010	-0.4	40.0
1,1-Dichloroethene-d2	0.810	0.814	0.010	0.4	30.0
2-Butanone-d5	0.035	0.036	0.010	2.8	40.0
Chloroform-d	0.570	0.550	0.010	-3.4	30.0
1,2-Dichloroethane-d4	0.218	0.213	0.010	-2.5	30.0
Benzene-d6	1.727	1.773	0.400	2.7	30.0
1,2-Dichloropropane-d6	0.454	0.496	0.010	9.1	40.0
Toluene-d8	1.564	1.596	0.010	2.0	30.0
trans-1,3-Dichloropropene-d4	0.347	0.349	0.010	0.5	30.0
2-Hexanone-d5	0.037	0.038	0.010	1.9	40.0
1,1,2,2-Tetrachloroethane-d2	0.138	0.134	0.010	-2.8	30.0
1,2-Dichlorobenzene-d4	0.751	0.747	0.010	-0.4	30.0

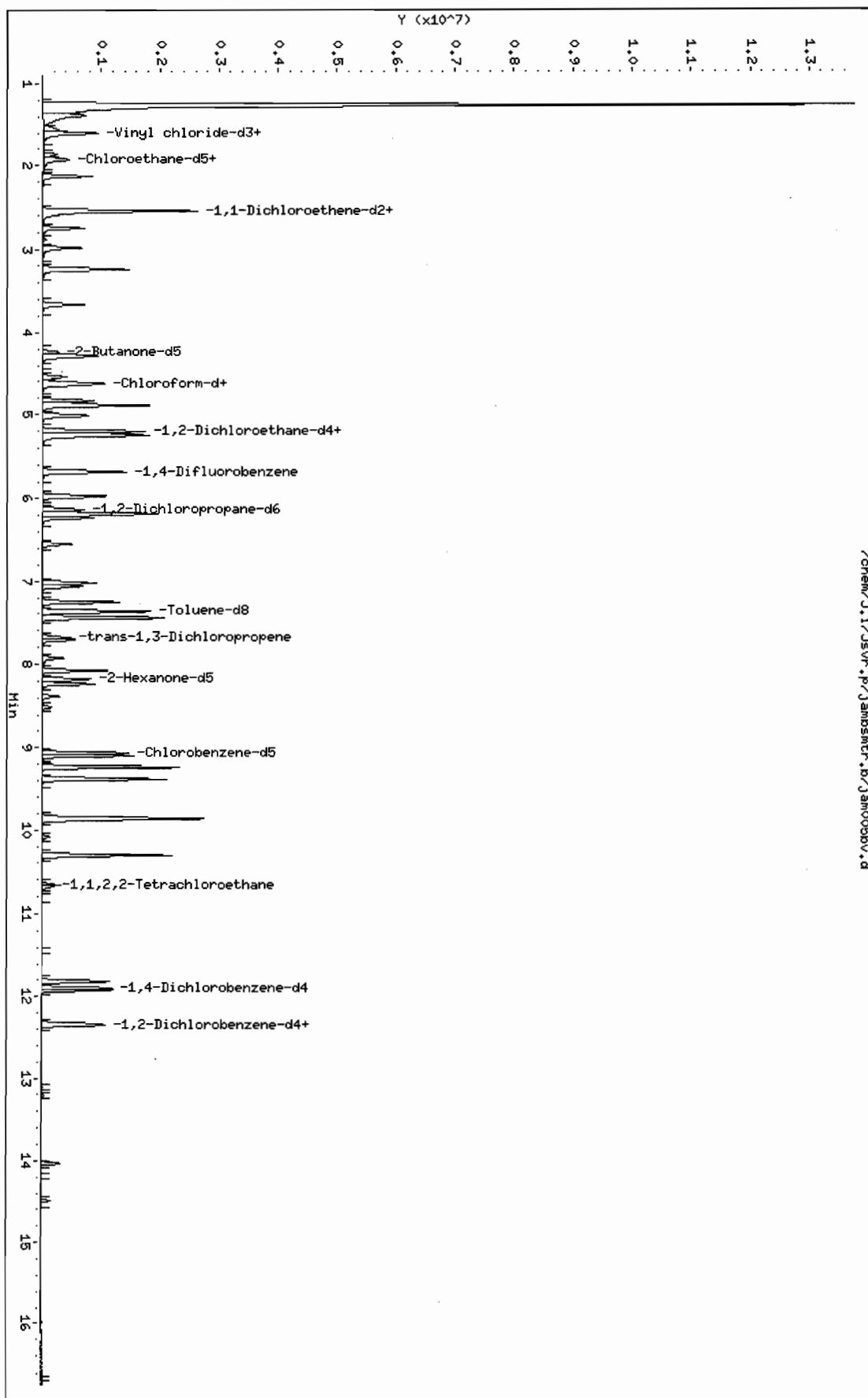
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jamsmr.b/jam005bv.d
Date : 24-Mar-2010 10:06
Client ID: VSTD005JR
Sample Info: JAH005BV
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53

Page 4



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jam005bv.d
Report Date: 25-Mar-2010 20:20

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jam005bv.d
Lab Smp Id: VSTD005JR Client Smp ID: VSTD005JR
Inj Date : 24-MAR-2010 10:06
Operator : JH2 Inst ID: J.i
Smp Info : JAM005BV
Misc Info : VST005JR,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 20:20 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		1.386	1.386	(0.244)	525225	5.00000	5.0
2 Chloromethane	50		1.562	1.575	(0.275)	756718	5.00000	4.9
\$ 3 Vinyl chloride-d3	65		1.605	1.599	(0.283)	473556	5.00000	4.9
4 Vinyl chloride	62		1.605	1.605	(0.283)	630044	5.00000	5.2
5 Bromomethane	94		1.861	1.861	(0.328)	248506	5.00000	5.2
\$ 6 Chloroethane-d5	69		1.915	1.909	(0.337)	323921	5.00000	5.0
7 Chloroethane	64		1.934	1.934	(0.340)	319162	5.00000	4.8
8 Trichlorofluoromethane	101		2.128	2.128	(0.375)	710549	5.00000	4.8
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	967796	5.00000	5.0
10 1,1-Dichloroethene	96		2.554	2.554	(0.450)	365617	5.00000	5.0
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.548	2.548	(0.448)	406959	5.00000	4.9
12 Acetone	43		2.597	2.597	(0.457)	242106	50.0000	48
13 Carbon disulfide	76		2.755	2.749	(0.485)	1064595	5.00000	4.8
14 Methyl acetate	43		2.883	2.883	(0.507)	80542	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	2.986	2.980	(0.526)	282221	5.00000	5.0
16 trans-1,2-Dichloroethene		96	3.235	3.236	(0.570)	387662	5.00000	4.9
17 Methyl tert-butyl ether		73	3.229	3.229	(0.568)	454519	5.00000	4.9
18 1,1-Dichloroethane		63	3.655	3.655	(0.643)	857524	5.00000	5.1
\$ 19 2-Butanone-d5		46	4.233	4.233	(0.745)	428765	50.0000	51
20 cis-1,2-Dichloroethene		96	4.282	4.282	(0.754)	359413	5.00000	4.8
21 2-Butanone		43	4.300	4.300	(0.757)	448385	50.0000	52
22 Bromochloromethane		128	4.543	4.544	(0.800)	93411	5.00000	4.7 (Q)
\$ 23 Chloroform-d		84	4.610	4.610	(0.812)	654602	5.00000	4.8
24 Chloroform		83	4.635	4.635	(0.816)	623122	5.00000	4.9
25 1,1,1-Trichloroethane		97	4.829	4.829	(0.533)	674822	5.00000	5.0
26 Cyclohexane		56	4.890	4.884	(0.540)	1256523	5.00000	5.5
27 Carbon tetrachloride		117	5.012	5.012	(0.553)	579582	5.00000	5.3
\$ 28 1,2-Dichloroethane-d4		65	5.188	5.182	(0.913)	253165	5.00000	4.9
\$ 29 Benzene-d6		84	5.200	5.201	(0.574)	1455936	5.00000	5.1
30 Benzene		78	5.243	5.243	(0.578)	1548519	5.00000	5.1
31 1,2-Dichloroethane		62	5.273	5.267	(0.928)	335965	5.00000	4.7
* 32 1,4-Difluorobenzene		114	5.681	5.681	(1.000)	1189586	5.00000	
33 Trichloroethene		95	5.967	5.967	(0.658)	407213	5.00000	5.1
\$ 34 1,2-Dichloropropane-d6		67	6.125	6.125	(0.676)	407003	5.00000	5.5
35 Methylcyclohexane		55	6.180	6.180	(0.682)	962438	5.00000	5.6
36 1,2-Dichloropropane		63	6.229	6.229	(0.687)	372891	5.00000	5.1
37 Bromodichloromethane		83	6.545	6.545	(0.722)	366693	5.00000	5.0
38 cis-1,3-Dichloropropene		75	7.062	7.062	(0.779)	433042	5.00000	5.1
39 4-Methyl-2-pentanone		43	7.251	7.251	(0.800)	1117707	50.0000	52
\$ 40 Toluene-d8		98	7.366	7.366	(0.813)	1310950	5.00000	5.1
41 Toluene		91	7.445	7.439	(0.821)	1624524	5.00000	5.1
\$ 42 trans-1,3-Dichloropropene-d4		79	7.683	7.677	(0.848)	286771	5.00000	5.0
43 trans-1,3-Dichloropropene		75	7.713	7.713	(0.851)	313890	5.00000	5.0
44 1,1,2-Trichloroethane		97	7.926	7.926	(0.874)	133550	5.00000	5.1
45 Tetrachloroethene		164	8.078	8.072	(0.891)	285478	5.00000	5.1
\$ 46 2-Hexanone-d5		63	8.175	8.175	(0.902)	311985	50.0000	51
47 2-Hexanone		43	8.236	8.230	(0.909)	720201	50.0000	52
48 Dibromochloromethane		129	8.382	8.382	(0.925)	158669	5.00000	4.9
49 1,2-Dibromoethane		107	8.510	8.510	(0.939)	121723	5.00000	5.0
* 50 Chlorobenzene-d5		117	9.063	9.058	(1.000)	821244	5.00000	
51 Chlorobenzene		112	9.094	9.094	(1.003)	851155	5.00000	5.1
52 Ethylbenzene		91	9.234	9.234	(1.019)	1866297	5.00000	5.2
53 m,p-Xylene		106	9.380	9.380	(1.035)	677633	5.00000	5.3
54 Styrene		104	9.873	9.873	(1.089)	883989	5.00000	5.0
55 o-Xylene		106	9.854	9.854	(1.087)	590375	5.00000	5.3
56 Bromoform		173	10.086	10.086	(0.848)	75066	5.00000	5.2
57 Isopropylbenzene		105	10.305	10.305	(1.137)	1695755	5.00000	5.3
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	10.651	10.651	(1.175)	109912	5.00000	4.9
59 1,1,2,2-Tetrachloroethane		83	10.682	10.682	(1.179)	108042	5.00000	4.7
60 1,3-Dichlorobenzene		146	11.813	11.813	(0.993)	526605	5.00000	5.1
* 61 1,4-Dichlorobenzene-d4		152	11.898	11.899	(1.000)	300504	5.00000	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.923	11.923	(1.002)	499478	5.00000	5.1
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	224626	5.00000	5.0
64 1,2-Dichlorobenzene	146	12.355	12.355	(1.038)	364159	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	13.212	13.213	(1.110)	14328	5.00000	5.8
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	98475	5.00000	4.3
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	45285	5.00000	3.4

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.: 136424
Instrument ID: J.i Calibration Date: 03/24/2010 Time: 1740
Lab File ID: JAM05BC1 Init. Calib. Date(s): 03/23/2010 03/23/2010
EPA Sample No. (VSTD####): VSTD005RJ Init. Calib. Time(s): 1413 1841
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.444	0.419	0.010	-5.5	50.0
Chloromethane	0.644	0.654	0.010	1.6	50.0
Vinyl chloride	0.512	0.515	0.010	0.4	50.0
Bromomethane	0.201	0.210	0.010	4.7	50.0
Chloroethane	0.278	0.289	0.010	3.7	50.0
Trichlorofluoromethane	0.619	0.606	0.010	-2.2	50.0
1,1-Dichloroethene	0.307	0.309	0.010	0.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.346	0.339	0.010	-2.0	50.0
Acetone	0.021	0.022	0.010	1.5	50.0
Carbon disulfide	0.939	0.900	0.010	-4.1	50.0
Methyl acetate	0.069	0.068	0.010	-1.8	50.0
Methylene chloride	0.238	0.231	0.010	-3.0	50.0
trans-1,2-Dichloroethene	0.335	0.343	0.010	2.4	50.0
Methyl tert-butyl ether	0.391	0.375	0.010	-4.2	50.0
1,1-Dichloroethane	0.707	0.714	0.010	1.0	50.0
cis-1,2-Dichloroethene	0.316	0.305	0.010	-3.4	50.0
2-Butanone	0.037	0.037	0.010	1.3	50.0
Bromochloromethane	0.084	0.083	0.010	-1.0	50.0
Chloroform	0.537	0.532	0.010	-1.0	50.0
1,1,1-Trichloroethane	0.814	0.793	0.010	-2.6	50.0
Cyclohexane	1.400	1.458	0.010	4.2	50.0
Carbon tetrachloride	0.671	0.673	0.010	0.3	50.0
Benzene	1.845	1.830	0.010	-0.9	50.0
1,2-Dichloroethane	0.302	0.287	0.010	-5.0	50.0
Trichloroethene	0.489	0.490	0.010	0.3	50.0
Methylcyclohexane	1.050	1.158	0.010	10.3	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.: 136424
Instrument ID: J.i Calibration Date: 03/24/2010 Time: 1740
Lab File ID: JAM05BC1 Init. Calib. Date(s): 03/23/2010 03/23/2010
EPA Sample No. (VSTD####): VSTD005RJ Init. Calib. Time(s): 1413 1841
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.449	0.428	0.010	-4.7	50.0
Bromodichloromethane	0.448	0.430	0.010	-4.1	50.0
cis-1,3-Dichloropropene	0.517	0.507	0.010	-1.9	50.0
4-Methyl-2-pentanone	0.132	0.130	0.010	-1.2	50.0
Toluene	1.928	1.957	0.010	1.5	50.0
trans-1,3-Dichloropropene	0.379	0.358	0.010	-5.7	50.0
1,1,2-Trichloroethane	0.161	0.151	0.010	-5.8	50.0
Tetrachloroethene	0.341	0.367	0.010	7.7	50.0
2-Hexanone	0.084	0.084	0.010	0.2	50.0
Dibromochloromethane	0.198	0.188	0.010	-5.2	50.0
1,2-Dibromoethane	0.147	0.136	0.010	-7.9	50.0
Chlorobenzene	1.012	0.997	0.010	-1.5	50.0
Ethylbenzene	2.195	2.258	0.010	2.9	50.0
o-Xylene	0.685	0.713	0.010	4.1	50.0
m,p-Xylene	0.780	0.810	0.010	3.9	50.0
Styrene	1.072	1.082	0.010	0.9	50.0
Bromoform	0.238	0.235	0.010	-1.4	50.0
Isopropylbenzene	1.943	2.138	0.010	10.0	50.0
1,1,2,2-Tetrachloroethane	0.140	0.133	0.010	-5.0	50.0
1,3-Dichlorobenzene	1.713	1.715	0.010	0.1	50.0
1,4-Dichlorobenzene	1.638	1.603	0.010	-2.2	50.0
1,2-Dichlorobenzene	1.227	1.185	0.010	-3.4	50.0
1,2-Dibromo-3-chloropropane	0.041	0.043	0.010	4.0	50.0
1,2,4-Trichlorobenzene	0.380	0.284	0.010	-25.1	50.0
1,2,3-Trichlorobenzene	0.219	0.148	0.010	-32.4	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.: 136424
Instrument ID: J.i Calibration Date: 03/24/2010 Time: 1740
Lab File ID: JAM05BC1 Init. Calib. Date(s): 03/23/2010 03/23/2010
EPA Sample No. (VSTD#####): VSTD005RJ Init. Calib. Time(s): 1413 1841
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

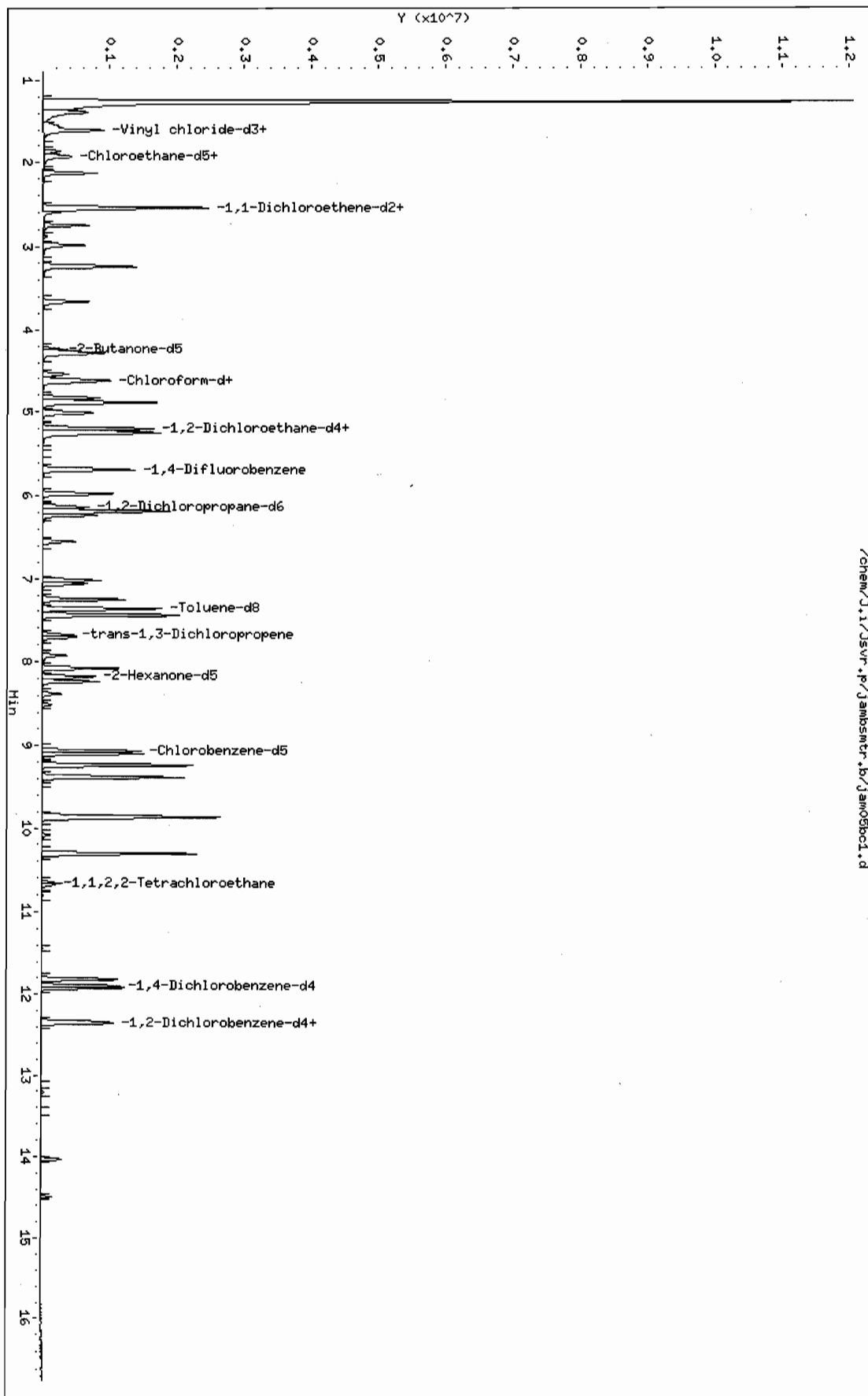
COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.407	0.397	0.010	-2.4	50.0
Chloroethane-d5	0.273	0.272	0.010	-0.4	50.0
1,1-Dichloroethene-d2	0.810	0.836	0.010	3.1	50.0
2-Butanone-d5	0.035	0.036	0.010	1.7	50.0
Chloroform-d	0.570	0.556	0.010	-2.4	50.0
1,2-Dichloroethane-d4	0.218	0.208	0.010	-4.5	50.0
Benzene-d6	1.727	1.692	0.010	-2.0	50.0
1,2-Dichloropropane-d6	0.454	0.472	0.010	4.0	50.0
Toluene-d8	1.564	1.567	0.010	0.2	50.0
trans-1,3-Dichloropropene-d4	0.347	0.329	0.010	-5.3	50.0
2-Hexanone-d5	0.037	0.037	0.010	-1.4	50.0
1,1,2,2-Tetrachloroethane-d2	0.138	0.131	0.010	-5.1	50.0
1,2-Dichlorobenzene-d4	0.751	0.724	0.010	-3.6	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jambsmr.b/jam05bcl.d
Date : 24-MAR-2010 17:40
Client ID: VSTD005RJ
Sample Info: JAH05BC1
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jam05bc1.d
Report Date: 25-Mar-2010 10:13

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jam05bc1.d
Lab Smp Id: VSTD005RJ Client Smp ID: VSTD005RJ
Inj Date : 24-MAR-2010 17:40
Operator : JH2 Inst ID: J.i
Smp Info : JAM05BC1
Misc Info : VSTD005RJ,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:13 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 10 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	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ON-COL (ug/L) (ug/L)
1 Dichlorodifluoromethane	85		1.386	1.386	(0.244)	470684	5.00000 4.7
2 Chloromethane	50		1.569	1.575	(0.276)	734761	5.00000 5.1
\$ 3 Vinyl chloride-d3	65		1.605	1.599	(0.283)	445530	5.00000 4.9
4 Vinyl chloride	62		1.605	1.605	(0.283)	577786	5.00000 5.0
5 Bromomethane	94		1.861	1.861	(0.328)	235997	5.00000 5.2
\$ 6 Chloroethane-d5	69		1.915	1.909	(0.337)	305717	5.00000 5.0
7 Chloroethane	64		1.934	1.934	(0.340)	323983	5.00000 5.2
8 Trichlorofluoromethane	101		2.128	2.128	(0.375)	679919	5.00000 4.9
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	938225	5.00000 5.2
10 1,1-Dichloroethene	96		2.554	2.554	(0.450)	347099	5.00000 5.0
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.548	2.548	(0.448)	380431	5.00000 4.9
12 Acetone	43		2.597	2.597	(0.457)	242376	50.00000 51
13 Carbon disulfide	76		2.749	2.749	(0.484)	1010618	5.00000 4.8
14 Methyl acetate	43		2.883	2.883	(0.507)	76453	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	2.986	2.980	(0.526)	259508	5.00000	4.9
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	385210	5.00000	5.1
17 Methyl tert-butyl ether	73	3.229	3.229	(0.568)	420997	5.00000	4.8
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	801850	5.00000	5.1
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	400192	50.0000	51
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	342763	5.00000	4.8
21 2-Butanone	43	4.300	4.300	(0.757)	415409	50.0000	51
22 Bromochloromethane	128	4.543	4.544	(0.800)	92867	5.00000	5.0(Q)
\$ 23 Chloroform-d	84	4.610	4.610	(0.812)	624605	5.00000	4.9
24 Chloroform	83	4.635	4.635	(0.816)	597060	5.00000	5.0
25 1,1,1-Trichloroethane	97	4.829	4.829	(0.533)	639676	5.00000	4.9
26 Cyclohexane	56	4.890	4.884	(0.540)	1176434	5.00000	5.2
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	542887	5.00000	5.0
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.182	(0.913)	233922	5.00000	4.8
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1365366	5.00000	4.9
30 Benzene	78	5.243	5.243	(0.578)	1476110	5.00000	5.0
31 1,2-Dichloroethane	62	5.274	5.267	(0.928)	322057	5.00000	4.7
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1122631	5.00000	
33 Trichloroethene	95	5.967	5.967	(0.658)	395361	5.00000	5.0
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	381136	5.00000	5.2
35 Methylcyclohexane	55	6.180	6.180	(0.682)	934362	5.00000	5.5
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	345165	5.00000	4.8
37 Bromodichloromethane	83	6.545	6.545	(0.722)	346765	5.00000	4.8
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	409348	5.00000	4.9
39 4-Methyl-2-pentanone	43	7.251	7.251	(0.800)	1048238	50.0000	49
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	1264313	5.00000	5.0
41 Toluene	91	7.445	7.439	(0.821)	1579227	5.00000	5.1
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.677	(0.848)	265258	5.00000	4.7
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	288469	5.00000	4.7
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	122146	5.00000	4.7
45 Tetrachloroethene	164	8.078	8.072	(0.891)	296263	5.00000	5.4
\$ 46 2-Hexanone-d5	63	8.175	8.175	(0.902)	296741	50.0000	49
47 2-Hexanone	43	8.236	8.230	(0.909)	677497	50.0000	50
48 Dibromochloromethane	129	8.382	8.382	(0.925)	151636	5.00000	4.7
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	109353	5.00000	4.6
* 50 Chlorobenzene-d5	117	9.064	9.058	(1.000)	806811	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	804301	5.00000	4.9
52 Ethylbenzene	91	9.234	9.234	(1.019)	1821826	5.00000	5.1
53 m,p-Xylene	106	9.380	9.380	(1.035)	653695	5.00000	5.2
54 Styrene	104	9.873	9.873	(1.089)	873071	5.00000	5.0
55 o-Xylene	106	9.854	9.854	(1.087)	575099	5.00000	5.2
56 Bromoform	173	10.086	10.086	(0.848)	71503	5.00000	4.9
57 Isopropylbenzene	105	10.305	10.305	(1.137)	1724809	5.00000	5.5
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	10.651	10.651	(1.175)	105390	5.00000	4.7
59 1,1,1,2,2-Tetrachloroethane	83	10.682	10.682	(1.179)	107436	5.00000	4.8
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	522265	5.00000	5.0
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	304542	5.00000	

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.923	11.923	(1.002)	488081	5.00000	4.9
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	220460	5.00000	4.8
64 1,2-Dichlorobenzene	146	12.355	12.355	(1.038)	360853	5.00000	4.8
65 1,2-Dibromo-3-chloropropane	75	13.206	13.213	(1.110)	13090	5.00000	5.2 (Q)
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	86633	5.00000	3.7
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	45055	5.00000	3.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.



Raw QC Data – SOM01.2 Volatiles – Trace

Data File: /chem/H.i/Msvr.p/mbesmr.b/mbe02pv.d

Page 2

Date : 17-MAR-2010 12:31

Client ID: BFBMI

Instrument: H.i

Sample Info: 50ng BFB

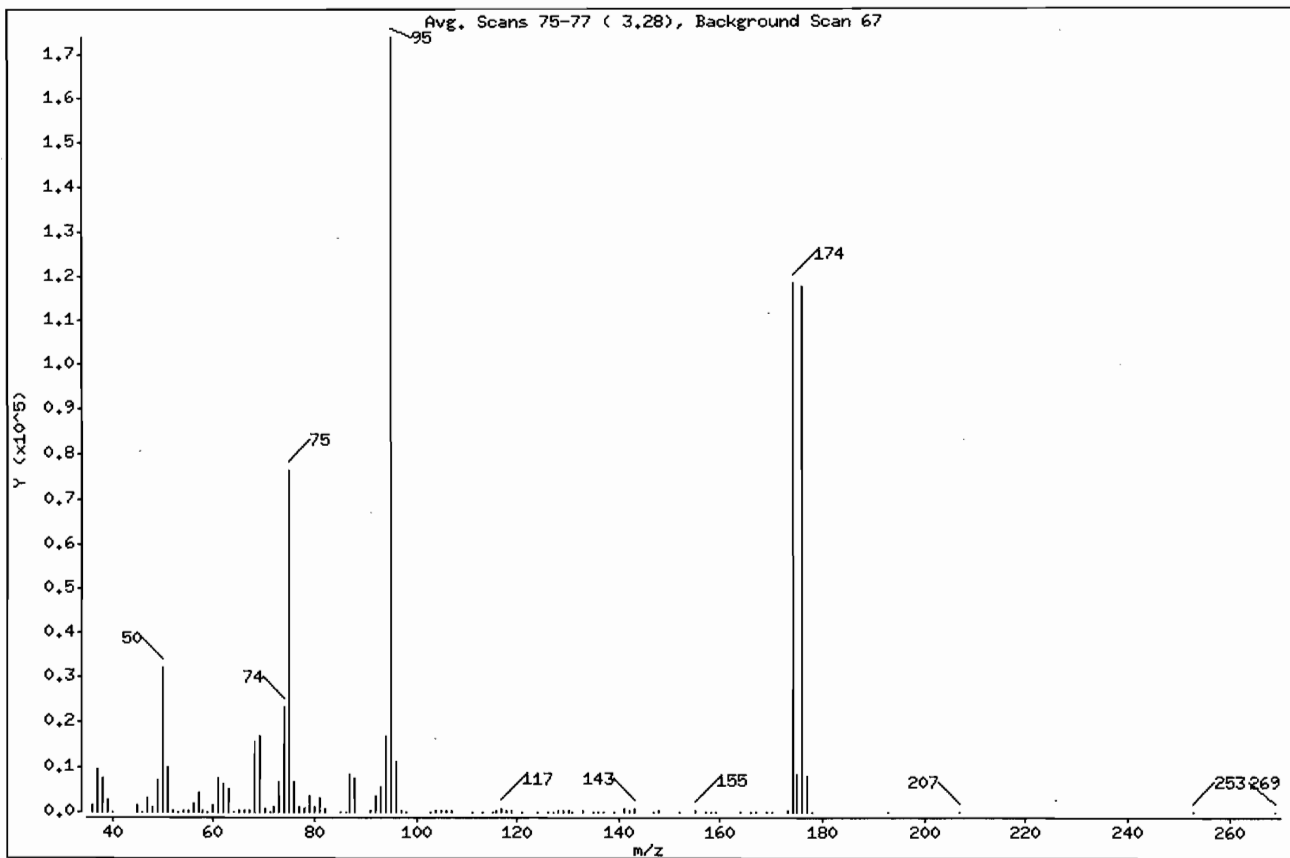
Volume Injected (uL): 1.0

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	18.34
75	30.00 - 80.00% of mass 95	44.02
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.12 (0.18)
174	50.00 - 120.00% of mass 95	68.12
175	5.00 - 9.00% of mass 174	4.76 (6.98)
176	95.00 - 101.00% of mass 174	67.53 (99.13)
177	5.00 - 9.00% of mass 176	4.55 (6.74)

Data File: /chem/H.i/Hsvr.p/mbesmr.b/mbe02pv.d

Page 3

Date : 17-MAR-2010 12:31

Client ID: BFBMI

Instrument: M.i

Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Data File: mbe02pv.d

Spectrum: Avg. Scans 75-77 (3.28), Background Scan 67

Location of Maximum: 95.00

Number of points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1502	67.00	556	98.00	134	142.00	206
37.00	9412	68.00	15788	103.00	173	143.00	996
38.00	7485	69.00	16784	104.00	516	147.00	153
39.00	2878	70.00	976	105.00	231	148.00	215
40.00	38	71.00	73	106.00	306	152.00	175
45.00	1508	72.00	1137	107.00	274	155.00	372
46.00	75	73.00	6814	111.00	81	157.00	84
47.00	3057	74.00	23384	113.00	67	158.00	101
48.00	1236	75.00	76632	115.00	187	159.00	190
49.00	7109	76.00	6829	116.00	471	164.00	75
50.00	31936	77.00	1042	117.00	729	166.00	73
51.00	10061	78.00	837	118.00	457	167.00	72
52.00	411	79.00	3466	119.00	491	169.00	72
53.00	115	80.00	1370	121.00	73	170.00	1
54.00	278	81.00	3384	124.00	96	173.00	211
55.00	206	82.00	781	126.00	78	174.00	118592
56.00	2186	85.00	177	127.00	154	175.00	8281
57.00	4429	86.00	158	128.00	500	176.00	117568
58.00	366	87.00	8428	129.00	287	177.00	7929
59.00	28	88.00	7408	130.00	296	178.00	148
60.00	1634	91.00	463	131.00	127	193.00	145
61.00	7763	92.00	3684	133.00	369	207.00	185
62.00	6549	93.00	5530	135.00	131	253.00	67
63.00	5267	94.00	16664	136.00	199	269.00	80
64.00	101	95.00	174080	137.00	141		
65.00	309	96.00	11136	139.00	96		
66.00	203	97.00	555	141.00	621		

Data File: /chem/M.i/Msvr.p/mbesmtr.b/mbe02pv.d

Page 1

Date : 17-MAR-2010 12:31

Client ID: BFBMI

Instrument: M.i

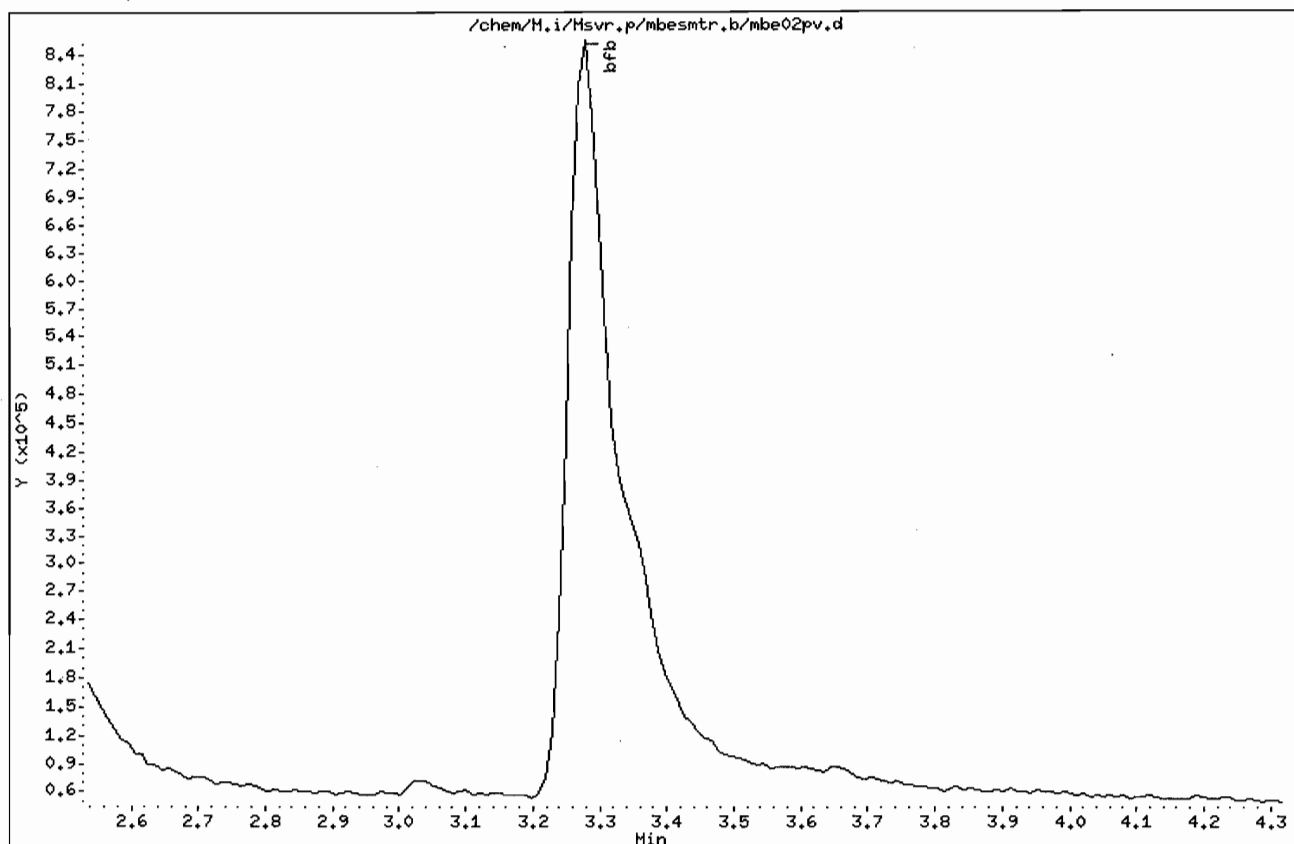
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/H.i/Hsvr.p/mbeesmr.b/mbe07pv.d

Page 2

Date : 21-MAR-2010 09:56

Client ID: BFBM0

Instrument: M.i

Sample Info: 50ng BFB

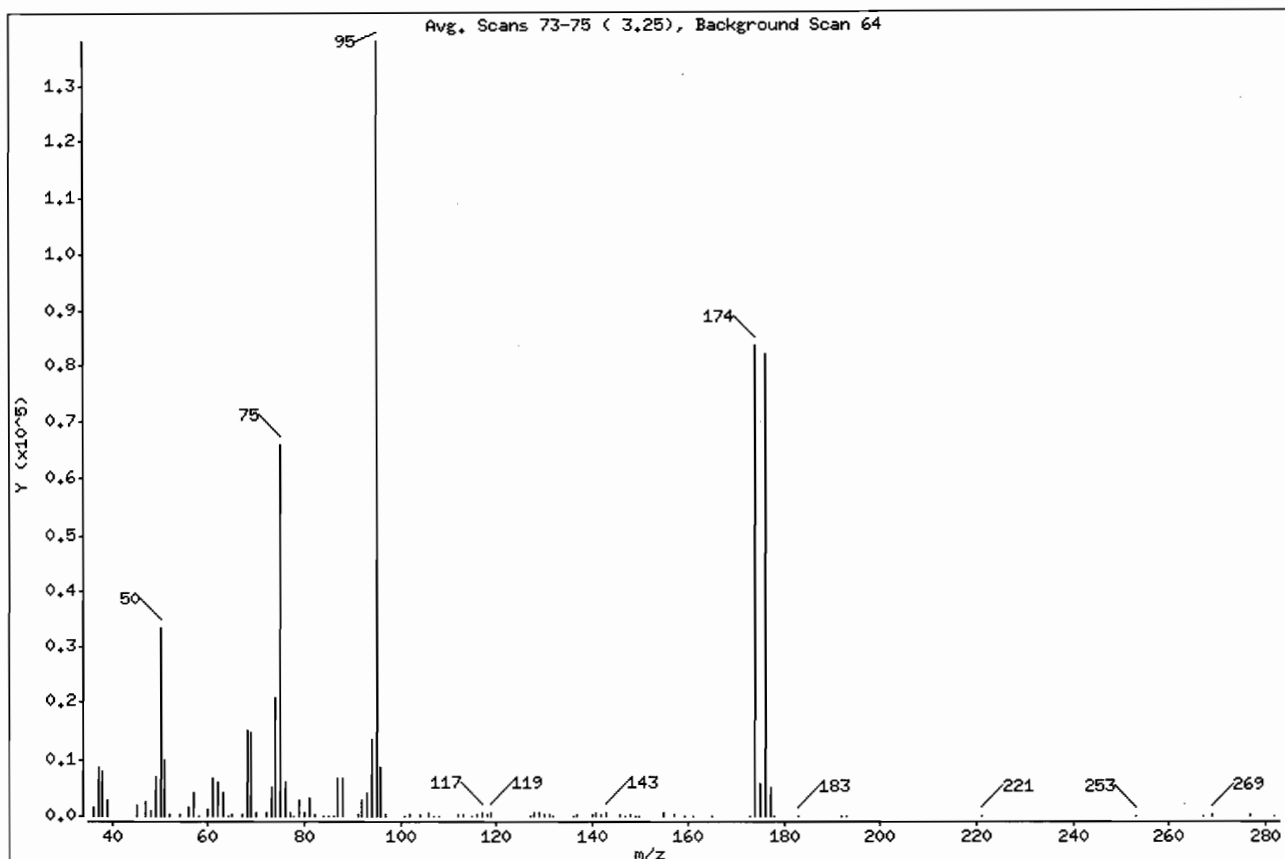
Volume Injected (uL): 1.0

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	24.16
75	30.00 - 80.00% of mass 95	47.55
96	5.00 - 9.00% of mass 95	6.18
173	Less than 2.00% of mass 174	0.11 (0.19)
174	50.00 - 120.00% of mass 95	60.35
175	5.00 - 9.00% of mass 174	4.07 (6.74)
176	95.00 - 101.00% of mass 174	59.20 (98.10)
177	5.00 - 9.00% of mass 176	3.78 (6.39)

Data File: /chem/M.i/Msvr.p/mbeesmr.b/mbe07pv.d

Page 3

Date : 21-MAR-2010 09:56

Client ID: BFBMO

Instrument: M.i

Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: mbe07pv.d

Spectrum: Avg. Scans 73-75 (3.25), Background Scan 64

Location of Maximum: 95.00

Number of points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1717	72.00	692	104.00	261	148.00	284
37.00	8575	73.00	5174	106.00	546	149.00	28
38.00	7789	74.00	20664	107.00	54	150.00	69
39.00	2709	75.00	65712	108.00	115	155.00	487
45.00	1942	76.00	5990	112.00	263	157.00	336
47.00	2677	77.00	645	113.00	159	159.00	96
48.00	903	78.00	11	115.00	133	161.00	93
49.00	7130	79.00	2980	116.00	471	165.00	85
50.00	33392	80.00	746	117.00	551	173.00	156
51.00	9976	81.00	3095	118.00	409	174.00	83408
52.00	336	82.00	325	119.00	574	175.00	5622
54.00	173	84.00	58	127.00	61	176.00	81832
56.00	1513	85.00	69	128.00	478	177.00	5228
57.00	3981	86.00	142	129.00	480	178.00	121
58.00	73	87.00	6779	130.00	424	183.00	77
60.00	1294	88.00	6656	131.00	300	192.00	77
61.00	6642	91.00	348	132.00	78	193.00	67
62.00	6139	92.00	2991	136.00	88	221.00	90
63.00	4239	93.00	4224	137.00	173	253.00	85
64.00	29	94.00	13481	140.00	331	267.00	85
65.00	447	95.00	138176	141.00	754	269.00	266
67.00	182	96.00	8539	142.00	268	277.00	174
68.00	15086	97.00	285	143.00	760	282.00	88
69.00	14641	101.00	90	146.00	186		
70.00	510	102.00	174	147.00	19		

Data File: /chem/H.i/Hsvr.p/mbeesmtr.b/mbe07pv.d

Page 1

Date : 21-MAR-2010 09:56

Client ID: BFBM0

Instrument: H.i

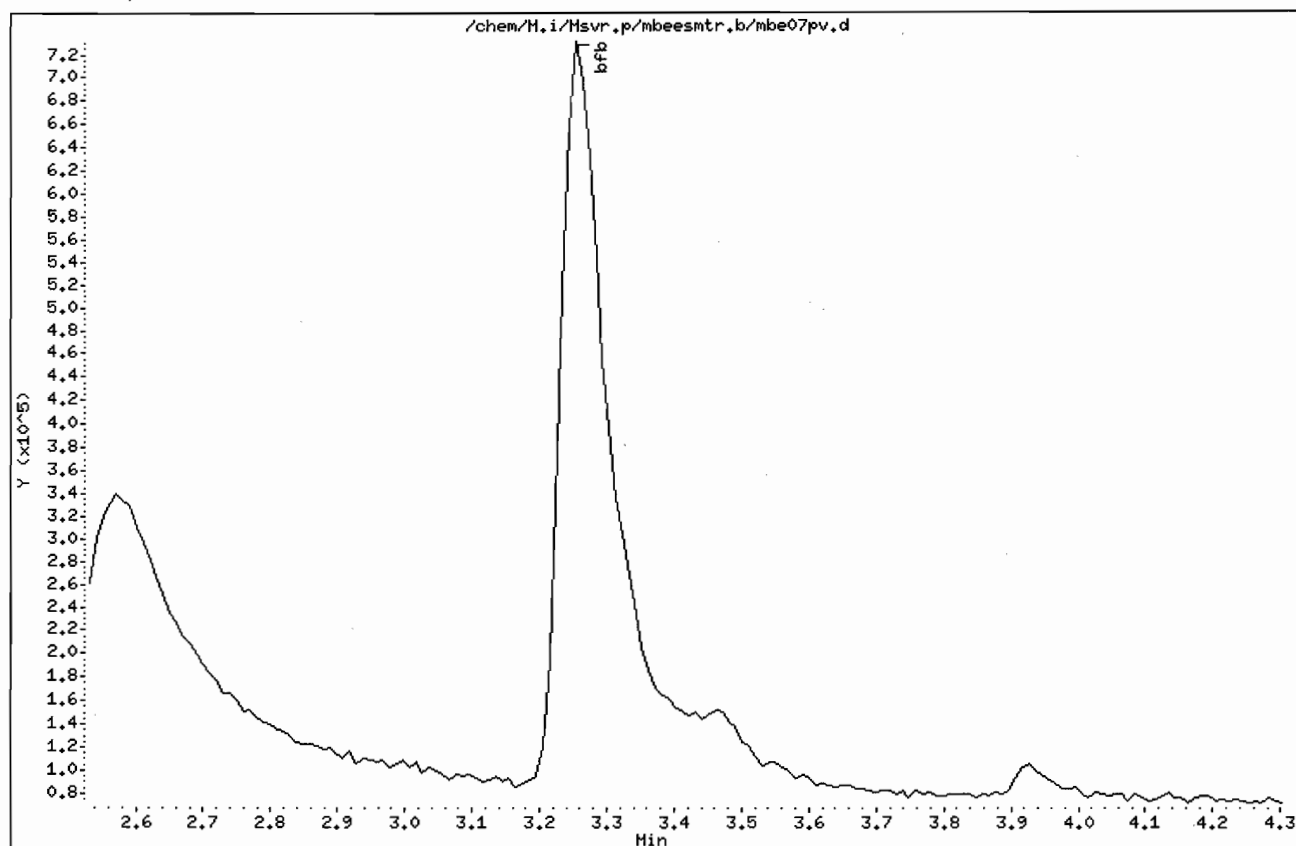
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/H.i/Msivr.p/mbe08pv.d

Page 2

Date : 22-MAR-2010 08:12

Client ID: BFBMP

Instrument: M.i

Sample Info: 50ng BFB

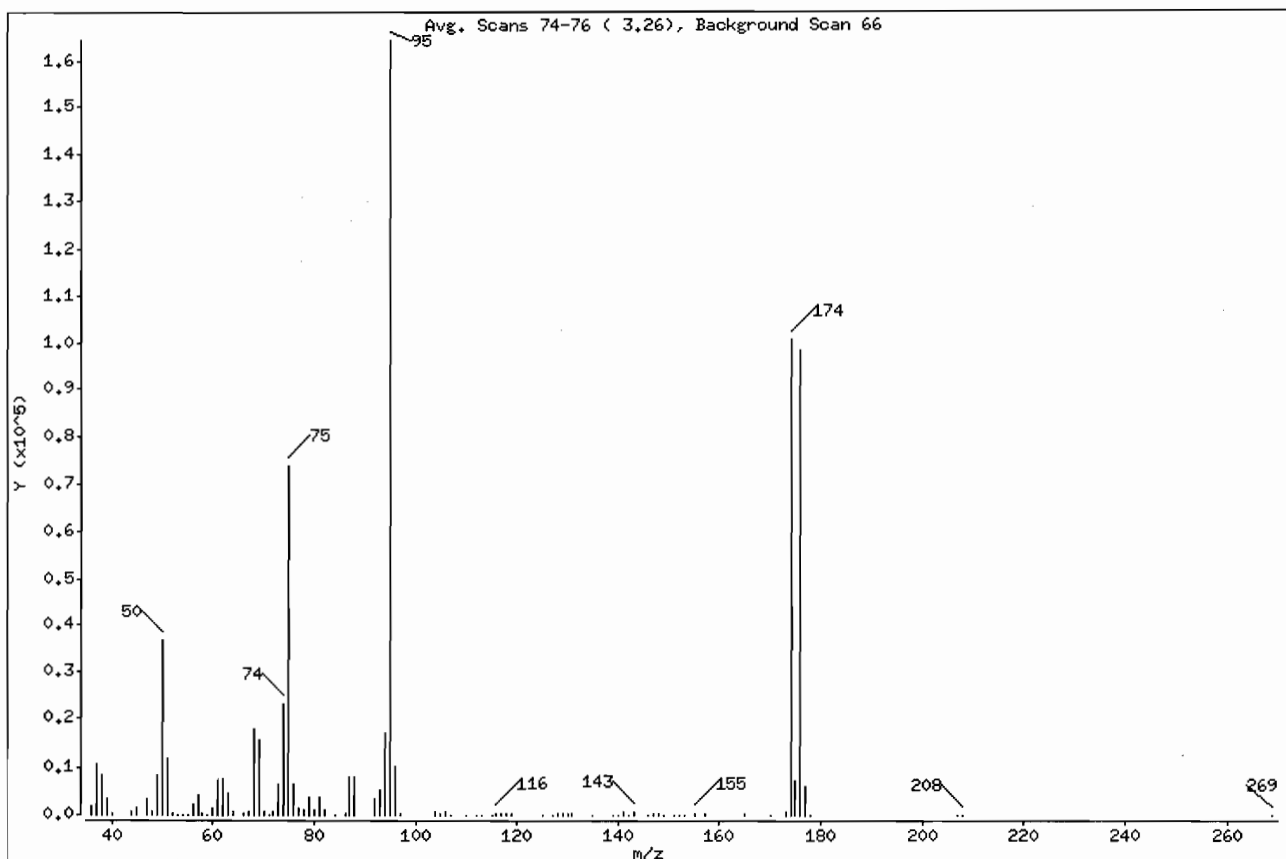
Volume Injected (uL): 1.0

Operator: MRV

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	22.19
75	30.00 - 80.00% of mass 95	44.85
96	5.00 - 9.00% of mass 95	6.24
173	Less than 2.00% of mass 174	0.35 (0.57)
174	50.00 - 120.00% of mass 95	61.23
175	5.00 - 9.00% of mass 174	4.29 (7.01)
176	95.00 - 101.00% of mass 174	59.71 (97.52)
177	5.00 - 9.00% of mass 176	3.67 (6.14)

Data File: /chem/M,i/Msvr,p/mbe08pv,d

Page 3

Date : 22-MAR-2010 08:12

Client ID: BFBMP

Instrument: M.i

Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Data File: mbe08pv,d

Spectrum: Avg. Scans 74-76 (3,26), Background Scan 66

Location of Maximum: 95.00

Number of points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1866	66.00	249	96.00	10277	143.00	866
37.00	10500	67.00	636	97.00	500	146.00	170
38.00	8317	68.00	17592	104.00	879	147.00	208
39.00	3330	69.00	15600	105.00	270	148.00	365
40.00	271	70.00	726	106.00	625	149.00	74
44.00	908	71.00	19	107.00	67	151.00	67
45.00	1508	72.00	904	110.00	169	152.00	67
47.00	3578	73.00	6618	112.00	144	153.00	85
48.00	891	74.00	23128	113.00	72	155.00	271
49.00	8384	75.00	73808	115.00	54	157.00	267
50.00	36520	76.00	6288	116.00	532	165.00	192
51.00	11751	77.00	1525	117.00	447	170.00	57
52.00	505	78.00	1226	118.00	447	173.00	575
53.00	78	79.00	3652	119.00	367	174.00	100768
54.00	80	80.00	1311	125.00	76	175.00	7060
55.00	148	81.00	3705	127.00	173	176.00	98272
56.00	2359	82.00	1231	128.00	334	177.00	6036
57.00	4155	84.00	77	129.00	335	178.00	78
58.00	354	86.00	228	130.00	433	207.00	1
59.00	157	87.00	8116	131.00	294	208.00	66
60.00	1669	88.00	7883	135.00	155	269.00	78
61.00	7264	92.00	3268	139.00	90		
62.00	7521	93.00	5156	140.00	180		
63.00	4573	94.00	17208	141.00	697		
64.00	589	95.00	164544	142.00	2		

Data File: /chem/H.i/Hsvr.p/mbefsmtr.b/mbe08pv.d

Page 1

Date : 22-MAR-2010 08:12

Client ID: BFBMP

Instrument: H.i

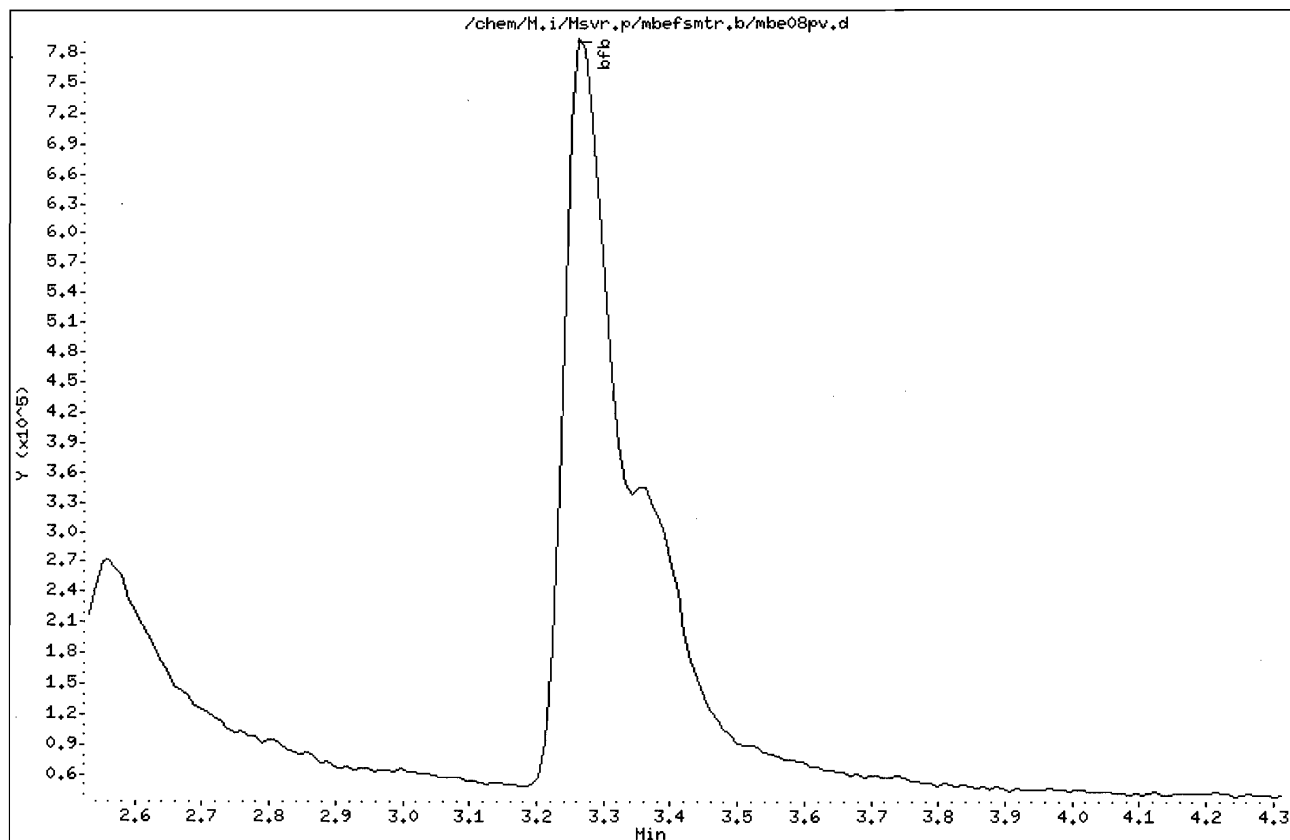
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jamsntr.b/jam02pv.d

Page 2

Date : 23-MAR-2010 14:05

Client ID: BFBJQ

Instrument: J.i

Sample Info: JAM02PV

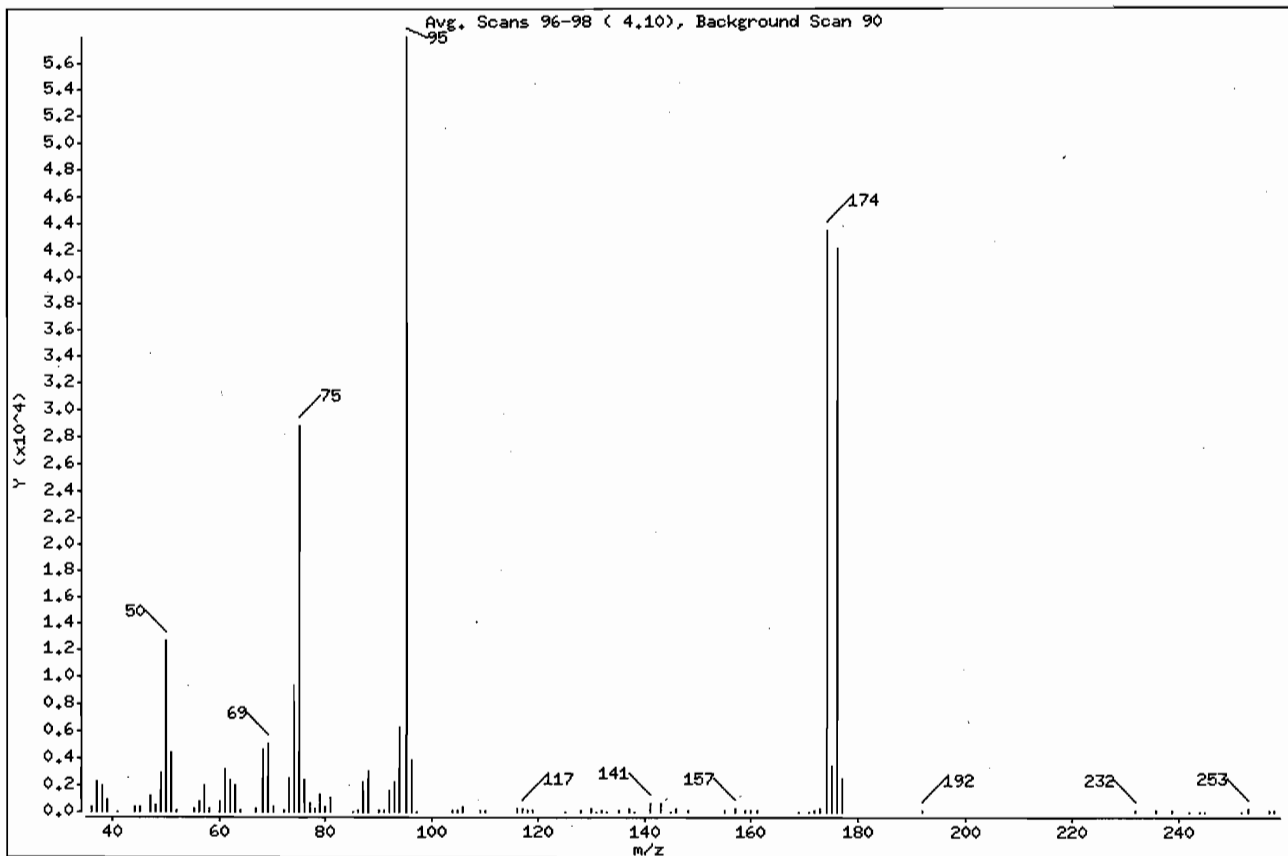
Volume Injected (uL): 2.0

Operator: MTP

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	21.78
75	30.00 - 80.00% of mass 95	49.62
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.44 (0.59)
174	50.00 - 120.00% of mass 95	75.03
175	5.00 - 9.00% of mass 174	6.08 (8.11)
176	95.00 - 101.00% of mass 174	72.73 (96.93)
177	5.00 - 9.00% of mass 176	4.34 (5.97)

Data File: /chem/J.i/Jsvr.p/jamsmtr.b/jam02pv.d

Page 3

Date : 23-MAR-2010 14:05

Client ID: BFBJQ

Instrument: J.i

Sample Info: JAM02PV

Volume Injected (uL): 2.0

Operator: HTP

Column phase: DB-624

Column diameter: 0.53

Data File: jam02pv.d

Spectrum: Avg. Scans 96-98 (4.10), Background Scan 90

Location of Maximum: 95.00

Number of points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	357	69.00	5056	104.00	85	157.00	218
37.00	2208	70.00	355	105.00	68	159.00	138
38.00	1988	72.00	187	106.00	370	160.00	67
39.00	879	73.00	2542	109.00	125	161.00	76
41.00	66	74.00	9308	110.00	113	169.00	53
44.00	466	75.00	28776	116.00	226	171.00	51
45.00	461	76.00	2444	117.00	231	172.00	166
47.00	1249	77.00	696	118.00	152	173.00	257
48.00	522	78.00	300	119.00	157	174.00	43512
49.00	2871	79.00	1276	125.00	64	175.00	3528
50.00	12630	80.00	466	128.00	161	176.00	42176
51.00	4426	81.00	1123	130.00	204	177.00	2516
52.00	118	85.00	60	131.00	64	192.00	125
55.00	202	86.00	105	132.00	72	232.00	105
56.00	752	87.00	2220	133.00	54	236.00	83
57.00	2039	88.00	3094	135.00	132	239.00	72
58.00	218	90.00	134	137.00	215	242.00	60
60.00	816	91.00	164	138.00	56	244.00	58
61.00	3186	92.00	1610	141.00	724	245.00	55
62.00	2339	93.00	2204	143.00	628	252.00	50
63.00	2017	94.00	6295	145.00	65	253.00	234
64.00	148	95.00	57992	146.00	249	257.00	140
67.00	319	96.00	3805	148.00	75	258.00	84
68.00	4667	97.00	57	155.00	78		

Data File: /chem/J.i/Jsvr.p/jamsrtr.b/jam02pv.d

Page 1

Date : 23-MAR-2010 14:05

Client ID: BFBJQ

Instrument: J.i

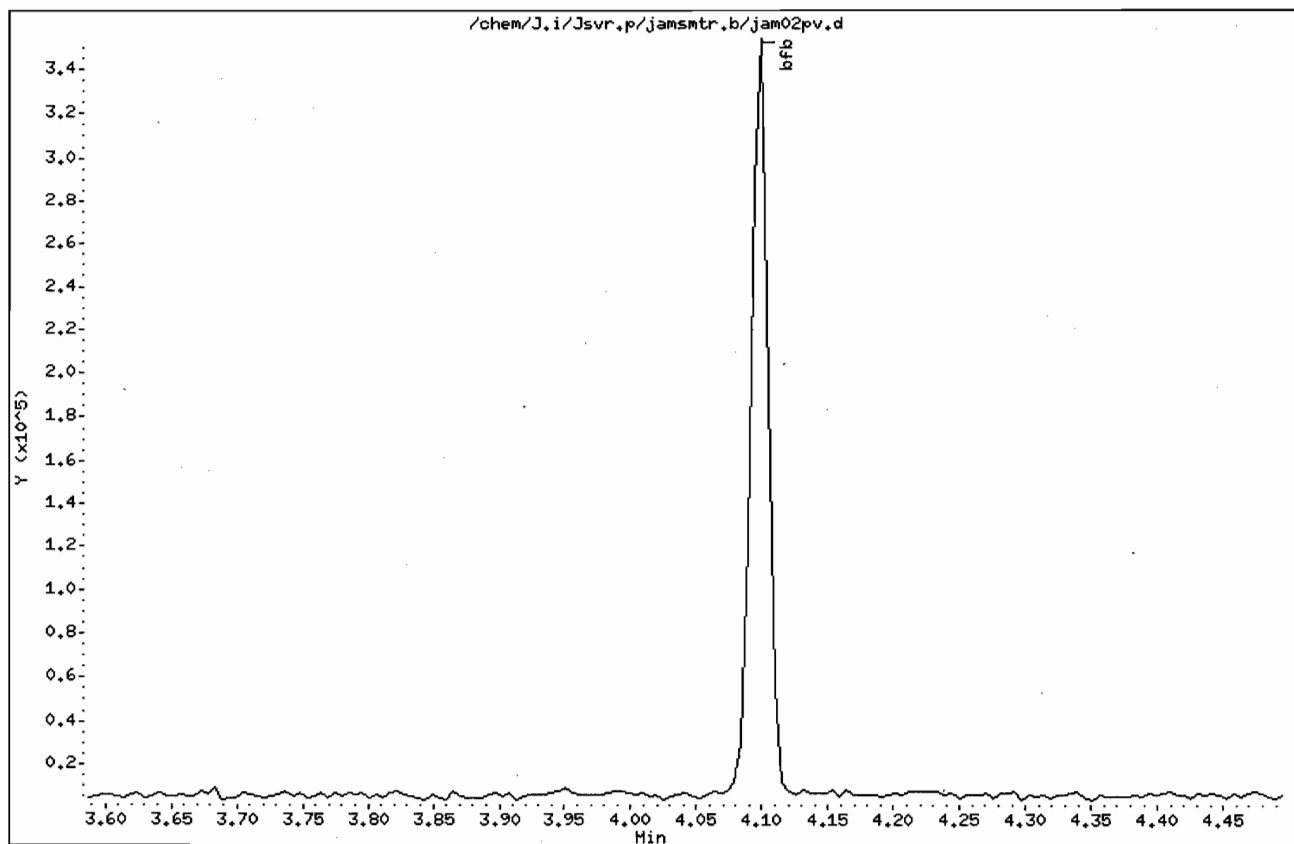
Sample Info: JAM02PV

Volume Injected (uL): 2.0

Operator: HTP

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jam04pv.d

Page 2

Date : 24-MAR-2010 08:58

Client ID: BFBJR

Instrument: J.i

Sample Info: JAM04PV

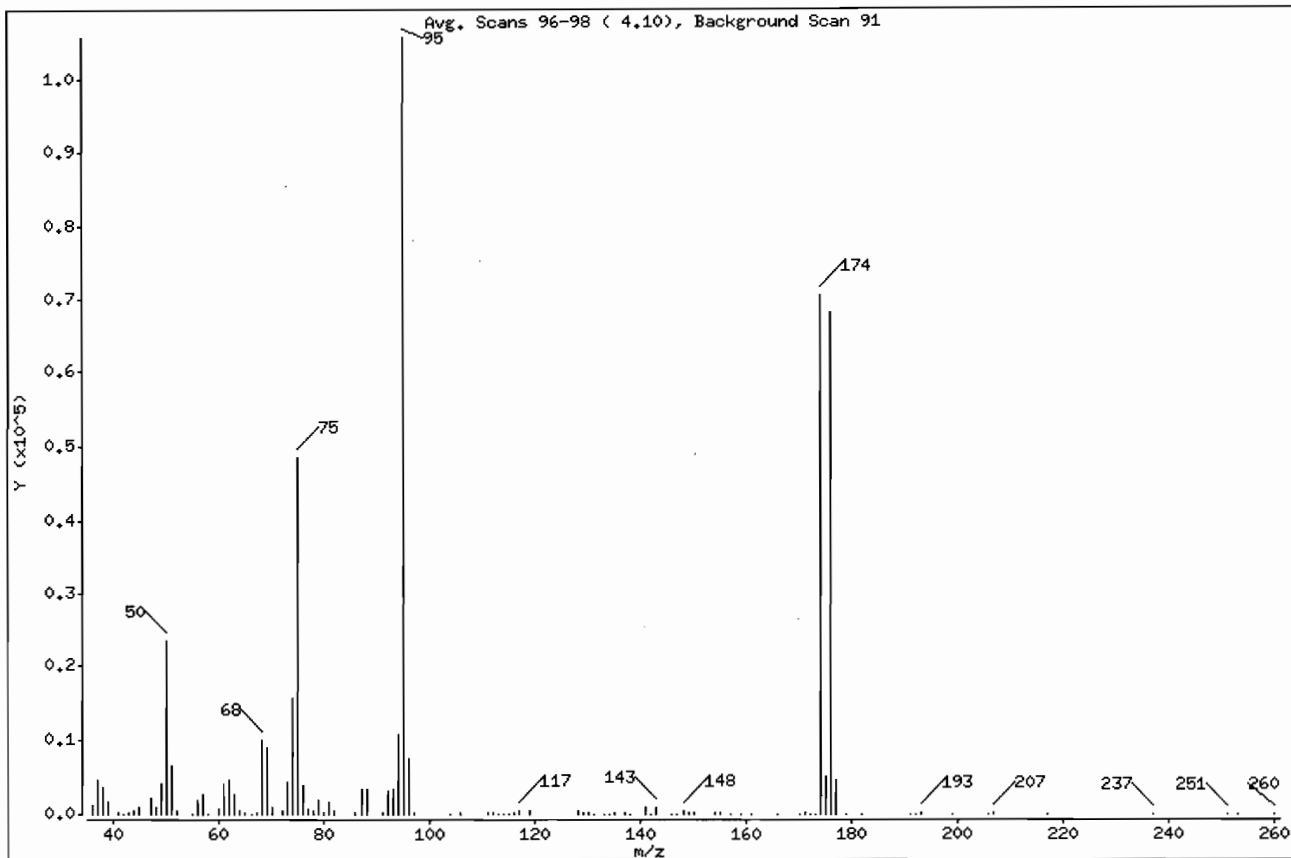
Volume Injected (uL): 2.0

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	22.14
75	30.00 - 80.00% of mass 95	45.79
96	5.00 - 9.00% of mass 95	7.21
173	Less than 2.00% of mass 174	0.07 (0.11)
174	50.00 - 120.00% of mass 95	66.76
175	5.00 - 9.00% of mass 174	4.72 (7.06)
176	95.00 - 101.00% of mass 174	64.41 (96.48)
177	5.00 - 9.00% of mass 176	4.42 (6.87)

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jam04pv.d

Page 3

Date : 24-MAR-2010 08:58

Client ID: BFBJR

Instrument: J.i

Sample Info: JAM04PV

Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Data File: jam04pv.d

Spectrum: Avg. Scans 96-98 (4.10), Background Scan 91

Location of Maximum: 95.00

Number of points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1110	68.00	9935	112.00	191	159.00	78
37.00	4659	69.00	9055	113.00	50	161.00	61
38.00	3710	70.00	915	114.00	90	166.00	83
39.00	1656	72.00	483	115.00	63	170.00	87
41.00	193	73.00	4303	116.00	362	171.00	223
42.00	81	74.00	15680	117.00	469	172.00	96
43.00	245	75.00	48480	119.00	443	173.00	77
44.00	473	76.00	3802	128.00	399	174.00	70680
45.00	909	77.00	644	129.00	197	175.00	4993
47.00	2073	78.00	372	130.00	317	176.00	68192
48.00	975	79.00	2048	131.00	57	177.00	4682
49.00	4165	80.00	329	133.00	89	179.00	65
50.00	23440	81.00	1626	134.00	74	182.00	50
51.00	6453	82.00	422	135.00	226	191.00	72
52.00	442	86.00	130	137.00	123	192.00	79
55.00	98	87.00	3516	138.00	69	193.00	241
56.00	2049	88.00	3403	141.00	1037	199.00	50
57.00	2661	91.00	238	142.00	102	206.00	67
58.00	53	92.00	3204	143.00	1081	207.00	157
60.00	832	93.00	3315	146.00	96	217.00	70
61.00	4033	94.00	10592	147.00	59	237.00	82
62.00	4507	95.00	105880	148.00	388	251.00	89
63.00	2771	96.00	7632	149.00	175	253.00	56
64.00	412	97.00	290	150.00	126	260.00	58
65.00	184	104.00	116	154.00	151		
66.00	67	106.00	267	155.00	206		
67.00	247	111.00	276	157.00	115		

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jam04pv.d

Page 1

Date : 24-MAR-2010 08:58

Client ID: BFBJR

Instrument: J.i

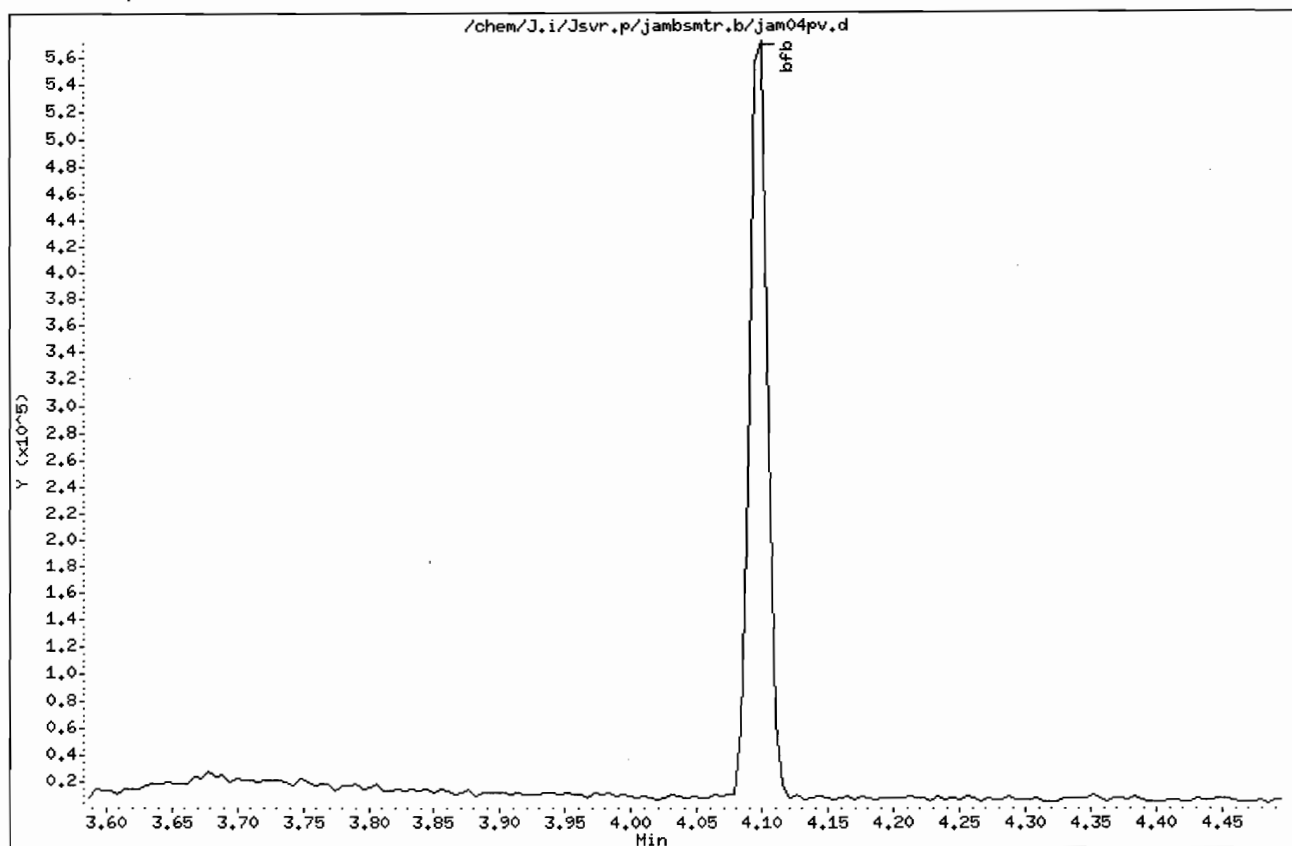
Sample Info: JAM04PV

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.

VBLKMO

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLTV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKMO

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB03E

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/21/2010

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.

VBLKMO

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKMO

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB03E

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/21/2010

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	0.20	J

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKMO

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMO
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MBEB03E
Level: (TRACE or LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/21/2010
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	10.39	3.5	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		

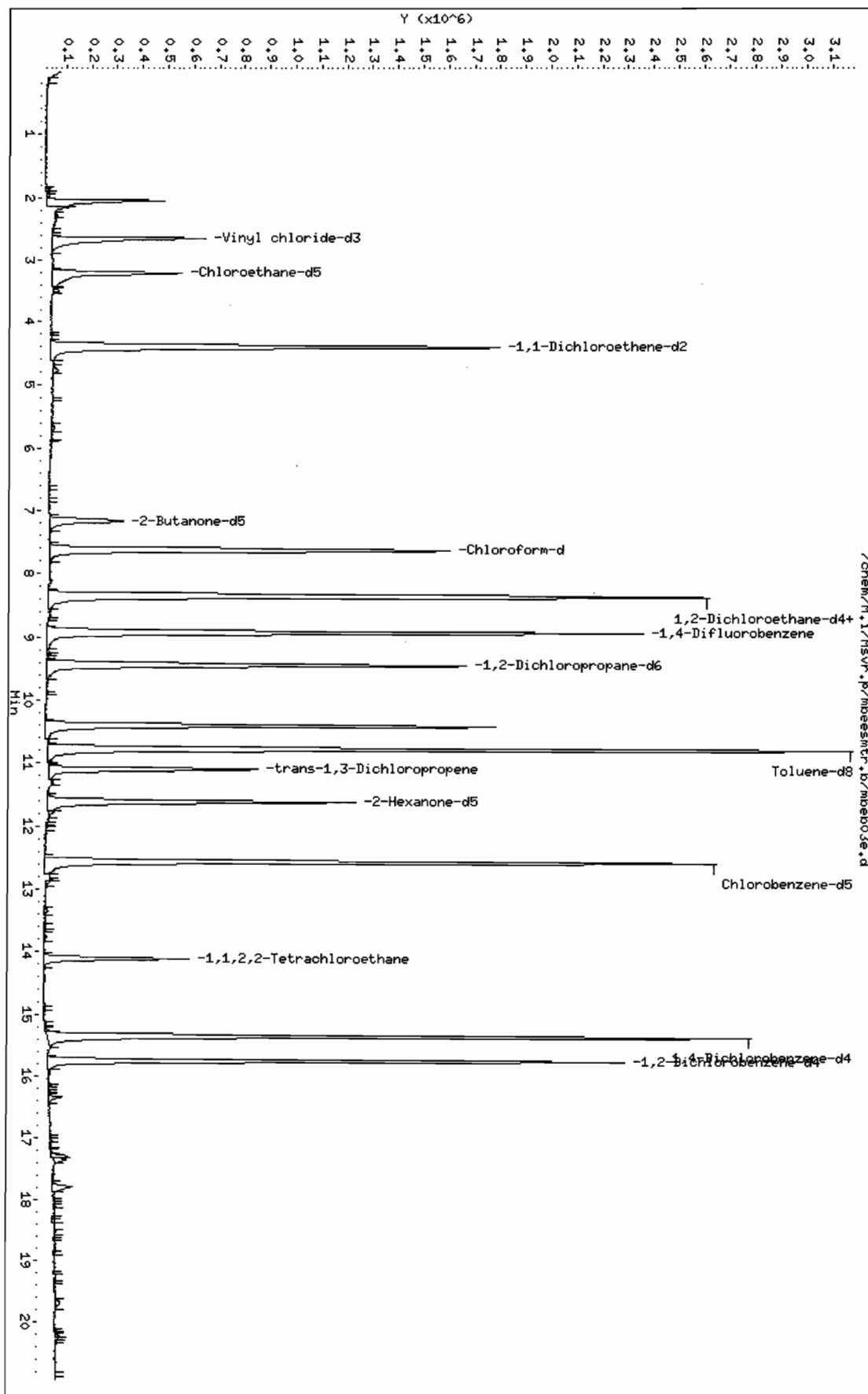
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbeasnr.b/mbe03e.d
Date: 24-Mar-2010 12:47
Client ID: VBLKH0
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/mbeb03e.d
Lab Smp Id: VBLKMO Client Smp ID: VBLKMO
Inj Date : 21-MAR-2010 12:47
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VBLKMO,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 4 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.652	2.663	(0.298)	1492234	5.43495	5.4
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.216	3.216	(0.361)	1258376	5.47557	5.5
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.393	4.393	(0.493)	2985283	4.54013	4.5
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

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	7.151	7.152	(0.803)	941103	53.1342	53
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	7.616	7.617	(0.856)	2561249	5.41963	5.4 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	8.328	8.329	(0.936)	730672	5.88153	5.9 (Q)
\$ 29 Benzene-d6	84	8.338	8.339	(0.665)	3570735	5.03229	5.0
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.902	8.902	(1.000)	3504447	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	9.416	9.416	(0.751)	1614350	4.68367	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	10.771	10.771	(0.859)	3947175	5.10772	5.1
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	11.087	11.088	(0.884)	869221	4.81051	4.8
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	163	Compound Not Detected.					
\$ 46 2-Hexanone-d5	63	11.591	11.592	(0.924)	1044087	48.9826	49
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	12.541	12.541	(1.000)	2769383	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	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.103	14.103	(1.125)	607147	4.64295	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	15.329	15.330	(1.000)	1337595	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.725	15.725	(1.026)	1036752	4.70191	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	17.771	17.762	(1.159)	39993	0.20071	0.20 (aH)

QC Flag Legend

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

Data File: /chem/M.i/Msvr.p/mbeesmtr.b/mbeb03e.d
Report Date: 25-Mar-2010 10:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbeesmtr.b/mbeb03e.d
Lab Smp Id: VBLKMO Client Smp ID: VBLKMO
Inj Date : 21-MAR-2010 12:47
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VBLKMO,032110MO,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbeesmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:23 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 4 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	8.902	8811700	5.000

CONCENTRATIONS				QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY CPND #
----	----	-----	-----	----	-----	-----
Unknown					CAS #:	
10.395	6253839	3.54859947	3.5	0		0 32

Data File: /chem/H.i/Msvr.p/mbeesmr.b/mbeb03e.d

Page 6

Date : 21-MAR-2010 12:47

Client ID: VBLKHD

Instrument: H.i

Sample Info:

Purge Volume: 25.0

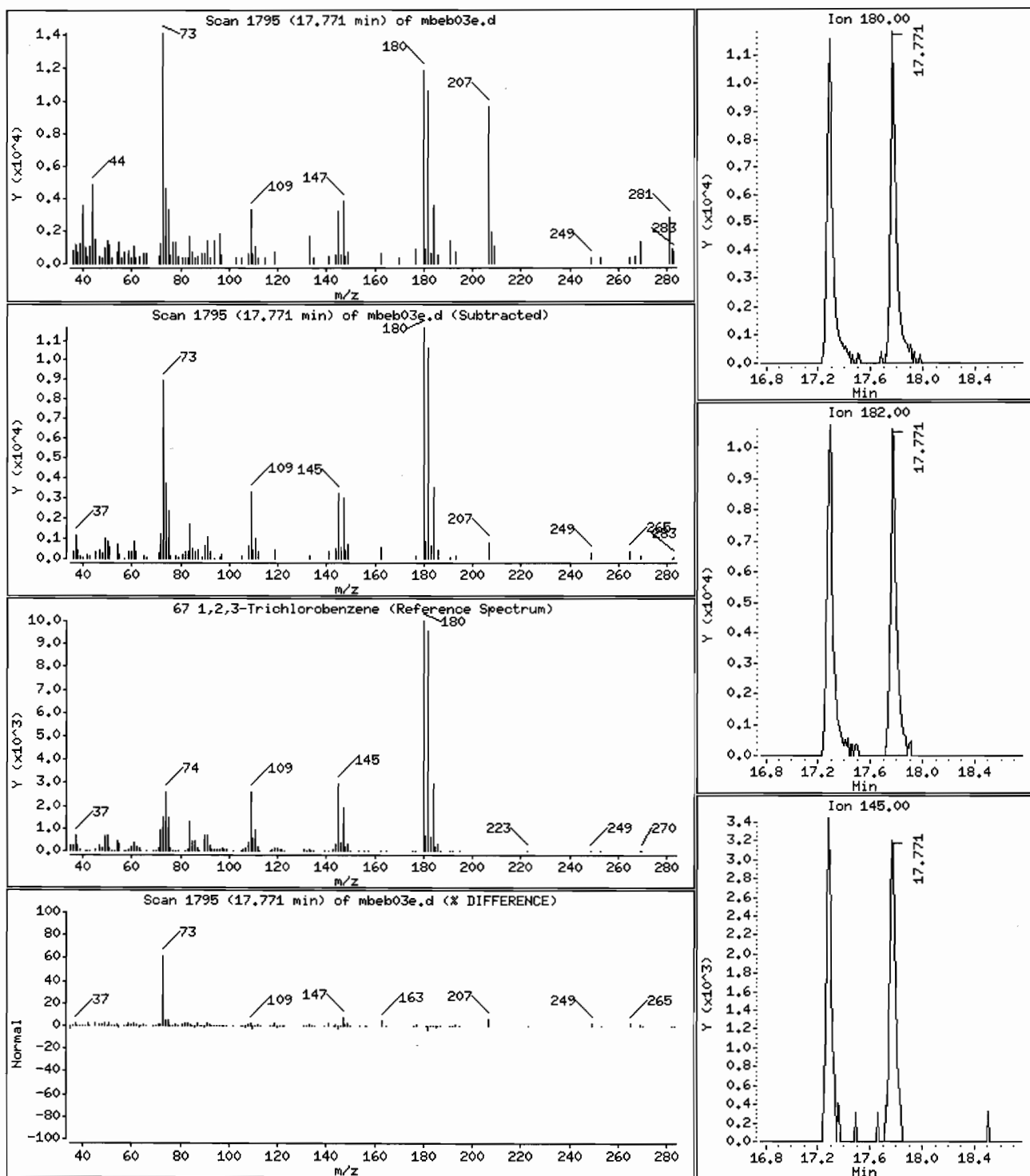
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

67 1,2,3-Trichlorobenzene

Concentration: 0.20 ug/L



Date : 21-MAR-2010 12:47

Client ID: VBLKHO

Instrument: M.i

Sample Info:

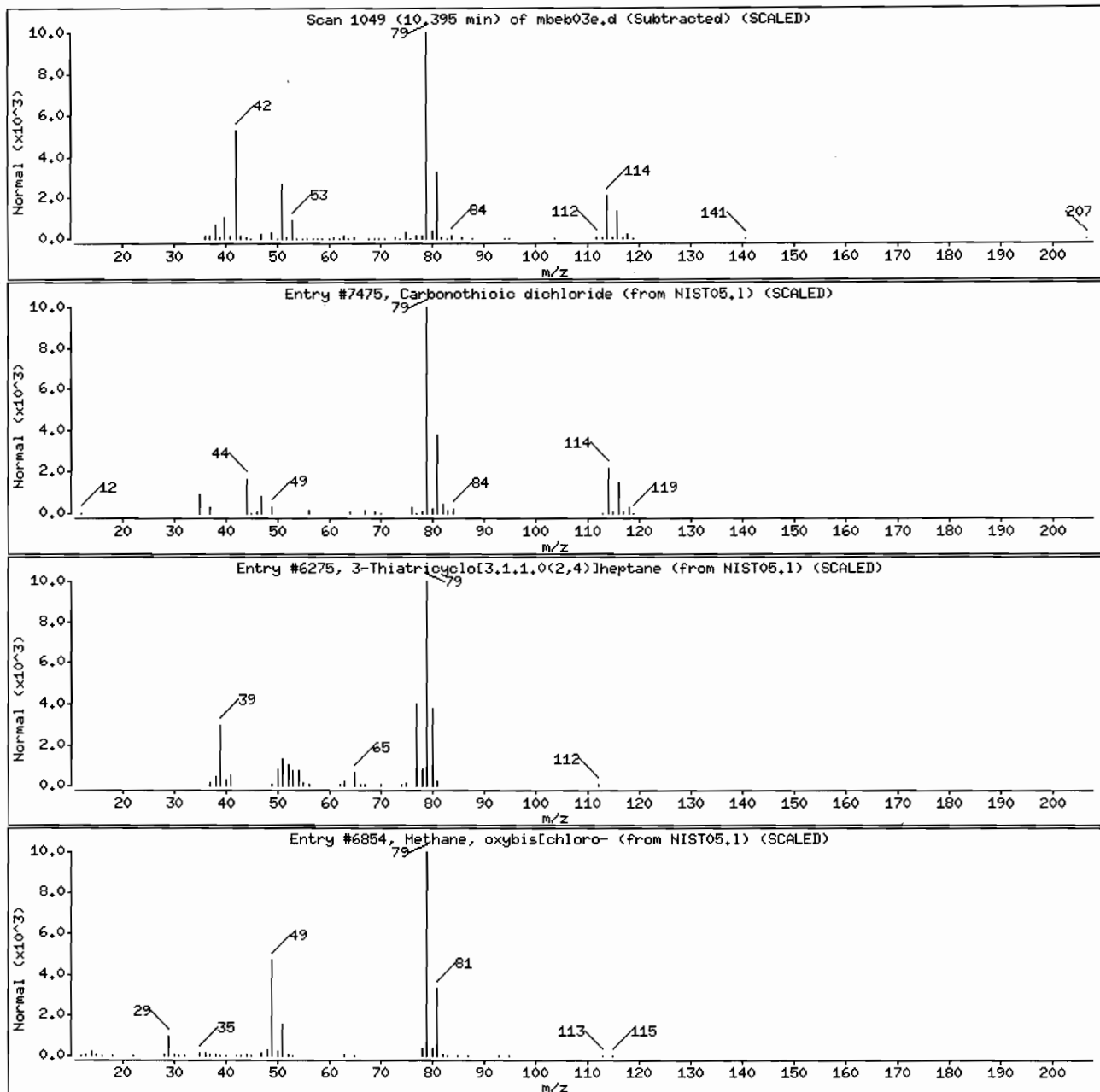
Purge Volume: 25.0

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKMP

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB04F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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.

VBLKMP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKMP

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB04F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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.

VLKMP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VLKMP

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB04F

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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	=====	=====	=====	=====	=====
02		Unknown	10.40	3.6	JX
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		

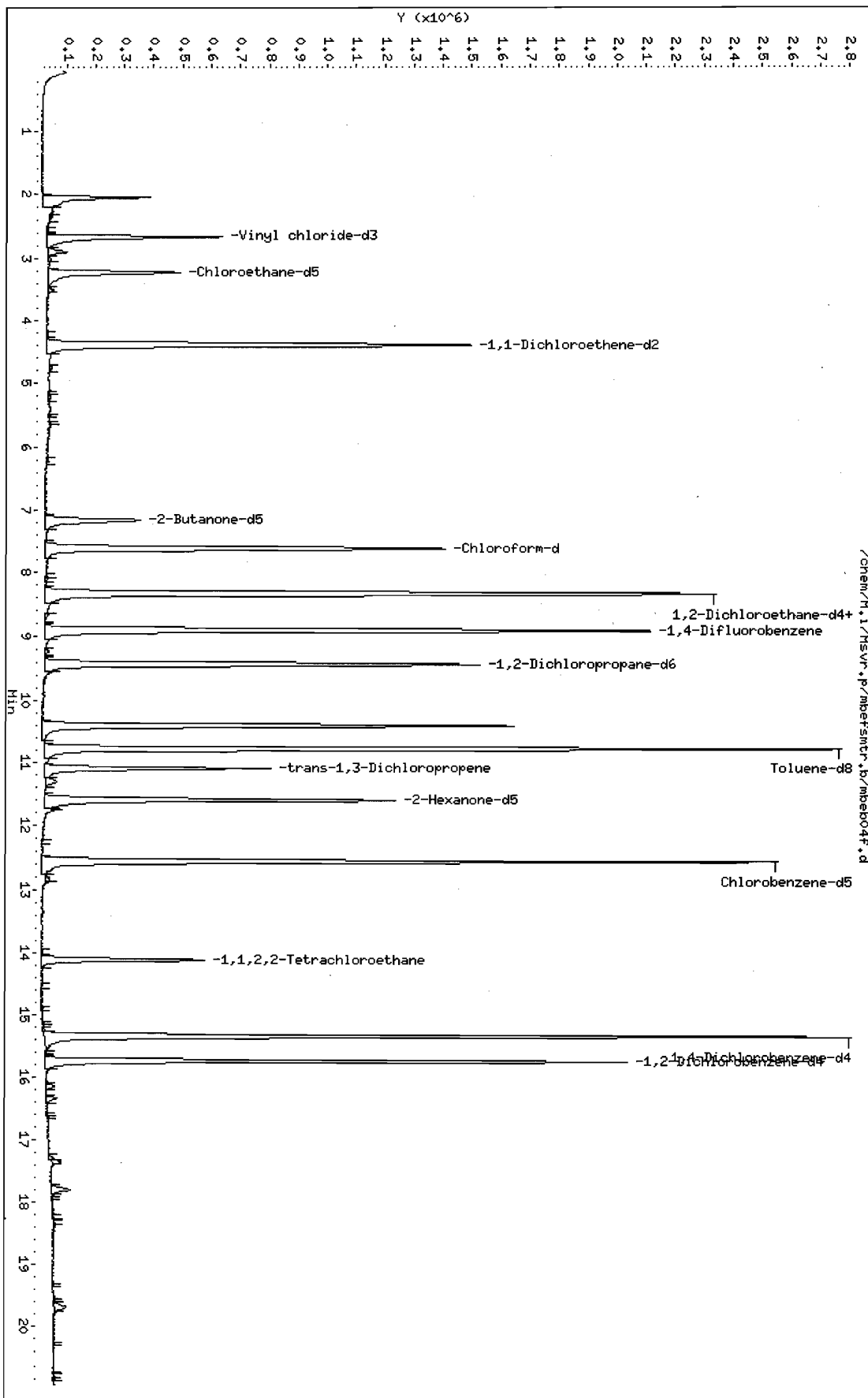
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr,p/mbe/smr.b/mbebo4f.d
 Date : 22-MAR-2010 11:11
 Client ID: VBLKHP
 Sample Info:
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: H.i
 Operator: HRV
 Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb04f.d
Lab Smp Id: VBLKMP Client Smp ID: VBLKMP
Inj Date : 22-MAR-2010 11:11
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VBLKMP,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 9 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	2.662	2.665	(0.299)	1267644	5.15077	5.2
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.225	3.219	(0.362)	1036686	5.03248	5.0
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.402	4.396	(0.494)	2494415	4.23222	4.2
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	FINAL
							(ug/L)	(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	7.161	7.164	(0.804)	964708		60.7643	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	7.625	7.619	(0.856)	2243824		5.29691	5.3(Q)
24 Chloroform	83		Compound Not			Detected.		
25 1,1,1-Trichloroethane	97		Compound Not			Detected.		
26 Cyclohexane	56		Compound Not			Detected.		
27 Carbon tetrachloride	117		Compound Not			Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.328	8.331	(0.935)	649227		5.83016	5.8(Q)
\$ 29 Benzene-d6	84	8.347	8.341	(0.665)	3113081		4.68209	4.7
30 Benzene	78		Compound Not			Detected.		
31 1,2-Dichloroethane	62		Compound Not			Detected.		
* 32 1,4-Difluorobenzene	114	8.911	8.905	(1.000)	3141257		5.00000	
33 Trichloroethene	95		Compound Not			Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.425	9.419	(0.751)	1430202		4.42820	4.4
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	10.770	10.774	(0.858)	3394759		4.68804	4.7
41 Toluene	91		Compound Not			Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.096	11.090	(0.884)	805703		4.75857	4.8
43 trans-1,3-Dichloropropene	75		Compound Not			Detected.		
44 1,1,2-Trichloroethane	97		Compound Not			Detected.		
45 Tetrachloroethene	163		Compound Not			Detected.		
\$ 46 2-Hexanone-d5	63	11.601	11.594	(0.924)	995037		49.8179	50
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	12.550	12.553	(1.000)	2595027		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	172		Compound Not			Detected.		
57 Isopropylbenzene	105		Compound Not			Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.112	14.116	(1.124)	573605		4.68117	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	15.338	15.332	(1.000)	1323905		5.00000	
62 1,4-Dichlorobenzene	146		Compound Not			Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.744	15.737	(1.026)	923502	4.23161	4.2
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

Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbeb04f.d
Report Date: 25-Mar-2010 10:39

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb04f.d
Lab Smp Id: VBLKMP Client Smp ID: VBLKMP
Inj Date : 22-MAR-2010 11:11
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VBLKMP,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 9 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	8.911	7985417	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.404	5796563	3.62946781	3.6	0		0	32

Date : 22-MAR-2010 11:11

Client ID: VBLKMP

Instrument: H.i

Sample Info:

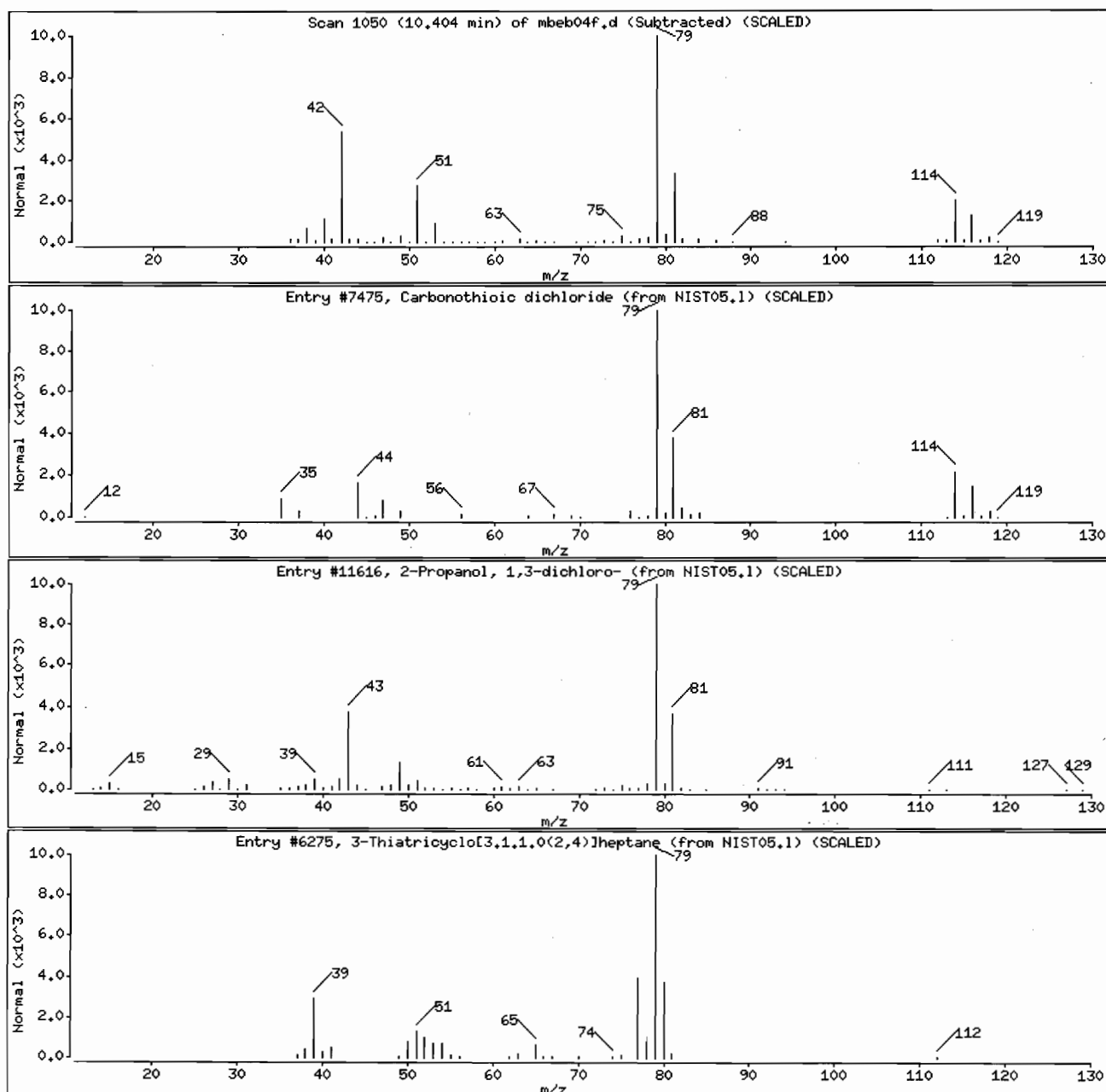
Purge Volume: 25.0

Operator: HRV

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	50	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VLKJR

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VLKJR

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB04B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	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	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.

VBLKJR

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKJR

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB04B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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.
VBLKJR

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJR
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAMB04B
Level: (TRACE or LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/24/2010
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	3.0	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		

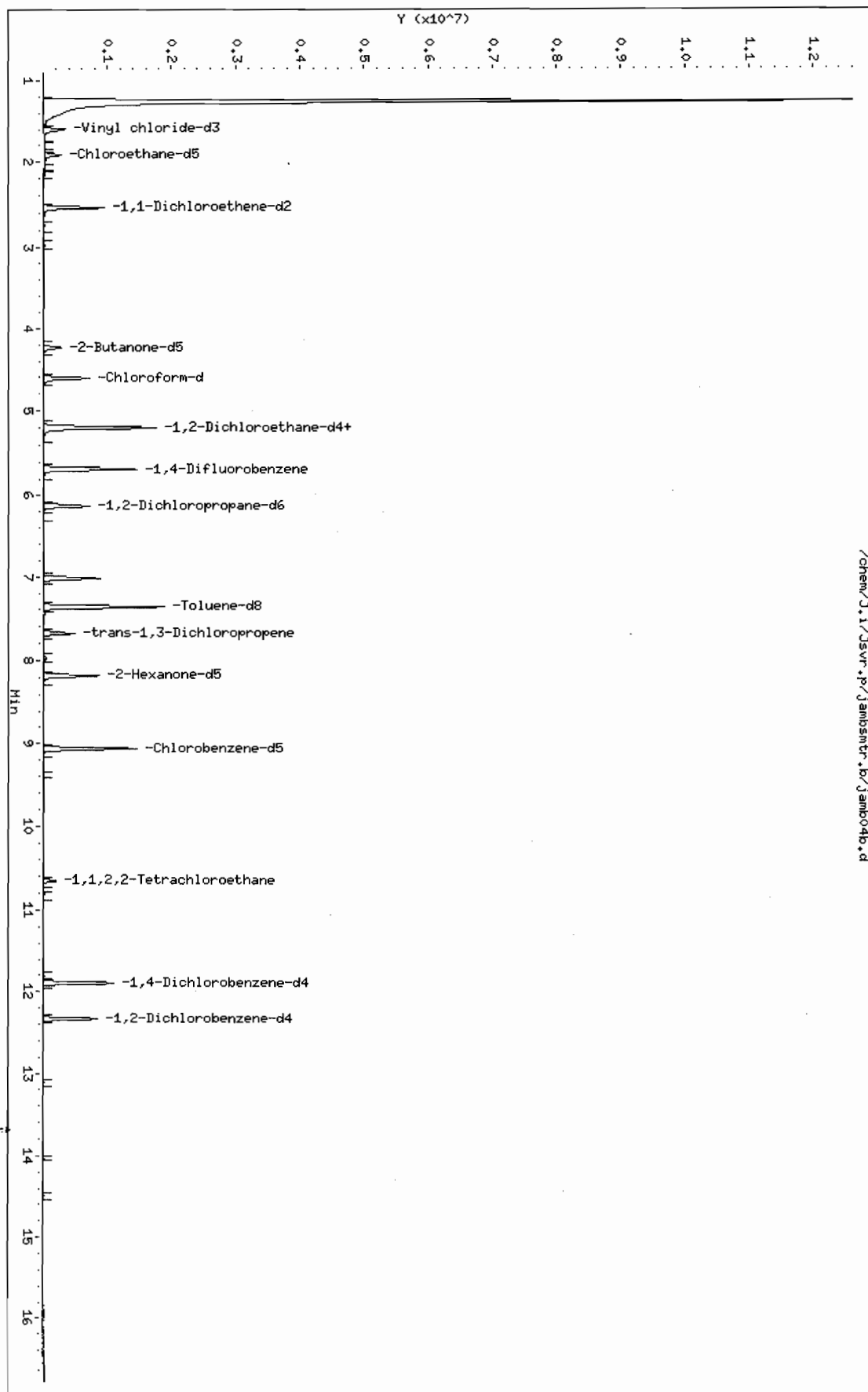
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsivr.p/jambsntr.b/jamb04b.d
Date : 24-Mar-2010 12:00
Client ID: VBLKJR
Sample Info: JAMB04B
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb04b.d
Lab Smp Id: VBLKJR Client Smp ID: VBLKJR
Inj Date : 24-MAR-2010 12:00
Operator : JH2 Inst ID: J.i
Smp Info : JAMB04B
Misc Info : VBLKJR,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 3 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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	451169	4.52613	4.5
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.915	1.909	(0.337)	319831	4.77085	4.8
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	753320	3.79150	3.8
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	6145	1.17785	1.2(a)
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(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	(0.745)	445266	51.8226	52
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)	651176	4.66137	4.7 (Q)
24 Chloroform	83		Compound Not Detected.				
25 1,1,1-Trichloroethane	97		Compound Not Detected.				
26 Cyclohexane	56		Compound Not Detected.				
27 Carbon tetrachloride	117		Compound Not Detected.				
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.912)	252040	4.71060	4.7
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1479418	4.91338	4.9
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1225861	5.00000	
33 Trichloroethene	95		Compound Not Detected.				
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	357028	4.50782	4.5
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	7.366	7.366	(0.813)	1332897	4.88715	4.9
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	7.676	7.677	(0.847)	282107	4.65859	4.7
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	8.175	8.175	(0.902)	319242	49.1111	49
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129		Compound Not Detected.				
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	9.063	9.058	(1.000)	871743	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	10.651	10.651	(1.175)	108585	4.52449	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	11.898	11.899	(1.000)	317734	5.00000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	234754	4.91992	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb04b.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb04b.d
Lab Smp Id: VBLKJR Client Smp ID: VBLKJR
Inj Date : 24-MAR-2010 12:00
Operator : JH2 Inst ID: J.i
Smp Info : JAMB04B
Misc Info : VBLKJR,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 3 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	5.681	3078768	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
7.013	1832050	2.97529685	3.0	0		0	32

Data File: /chem/J.i/Jsvr.p/jamb04b.d

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Date : 24-MAR-2010 12:00

Client ID: VBLKJR

Instrument: J.i

Sample Info: JAMB04B

Purge Volume: 25.0

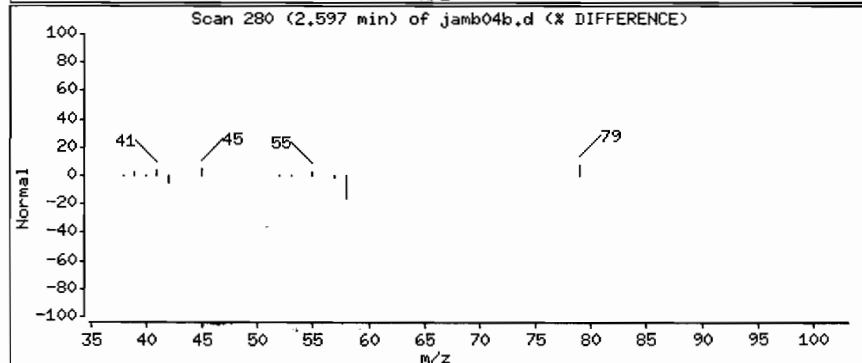
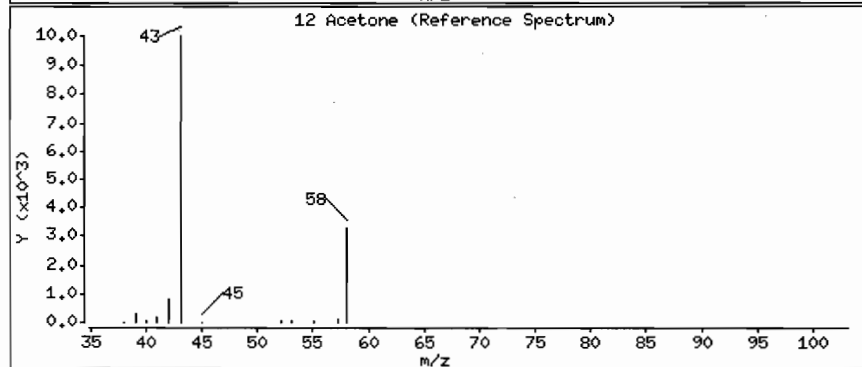
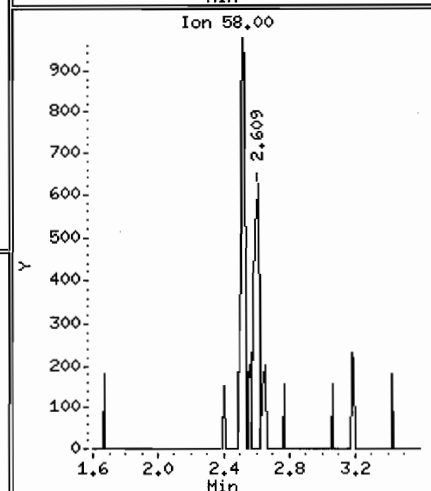
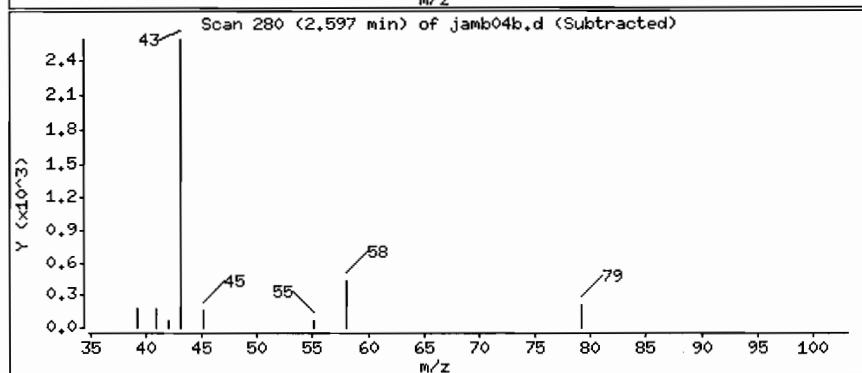
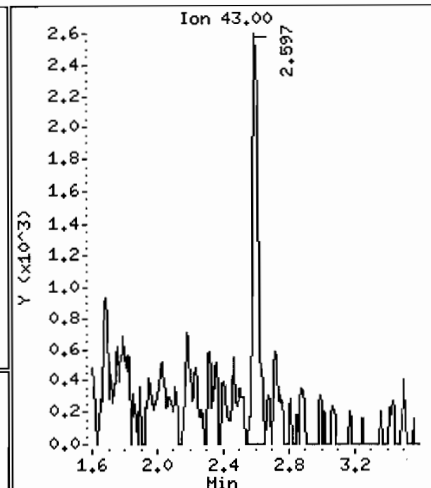
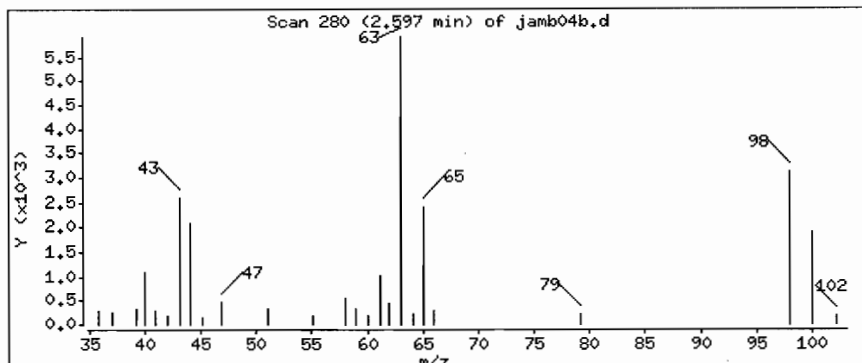
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 1.2 ug/L



Date : 24-MAR-2010 12:00

Client ID: VBLKJR

Instrument: J.i

Sample Info: JAMB04B

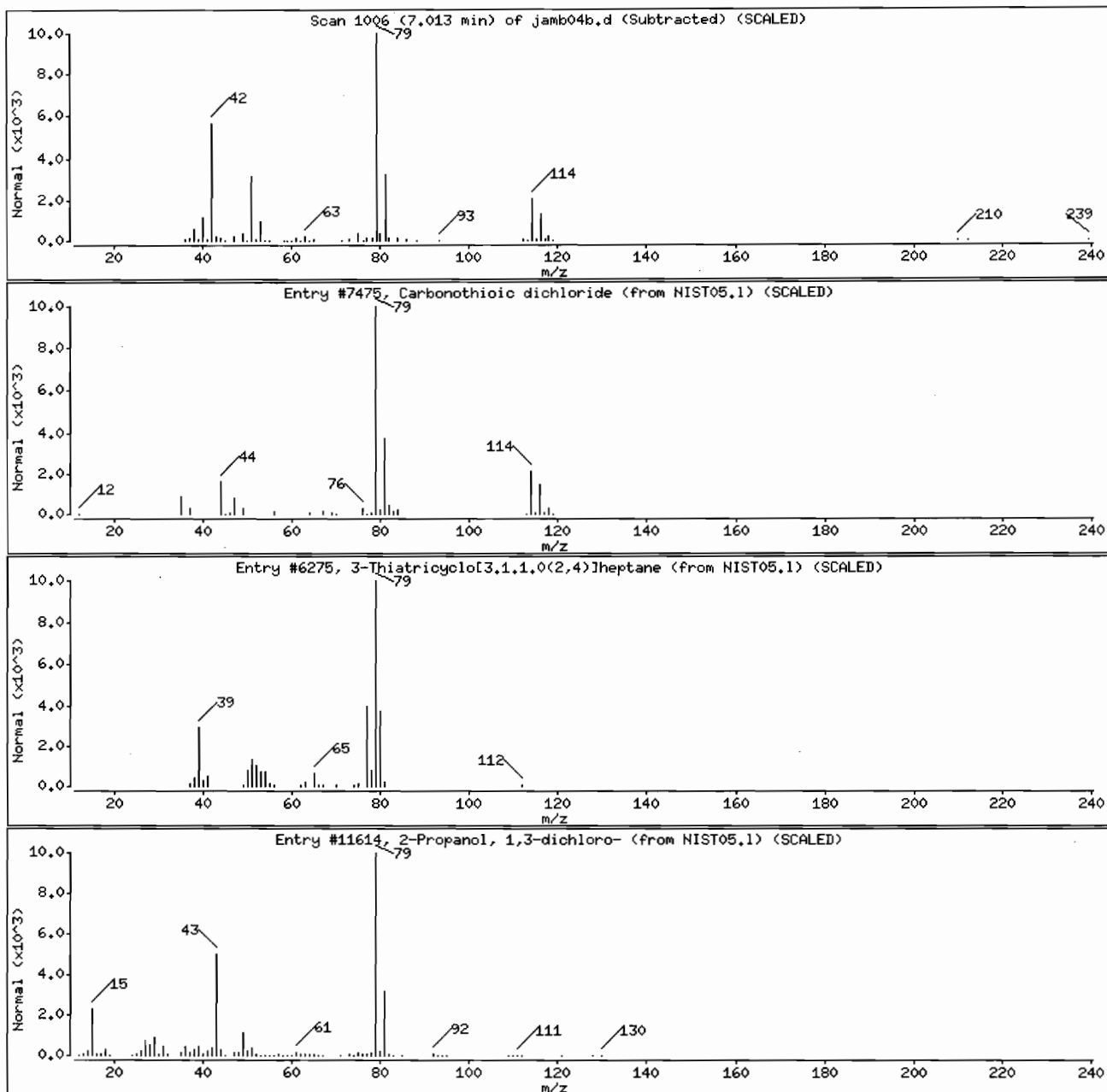
Purge Volume: 25.0

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11614	25	C ₃ H ₆ Cl ₂ O	128



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.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823204

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823204

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823204
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823204
Level: (TRACE/LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/24/2010
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.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823204

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823204

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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)

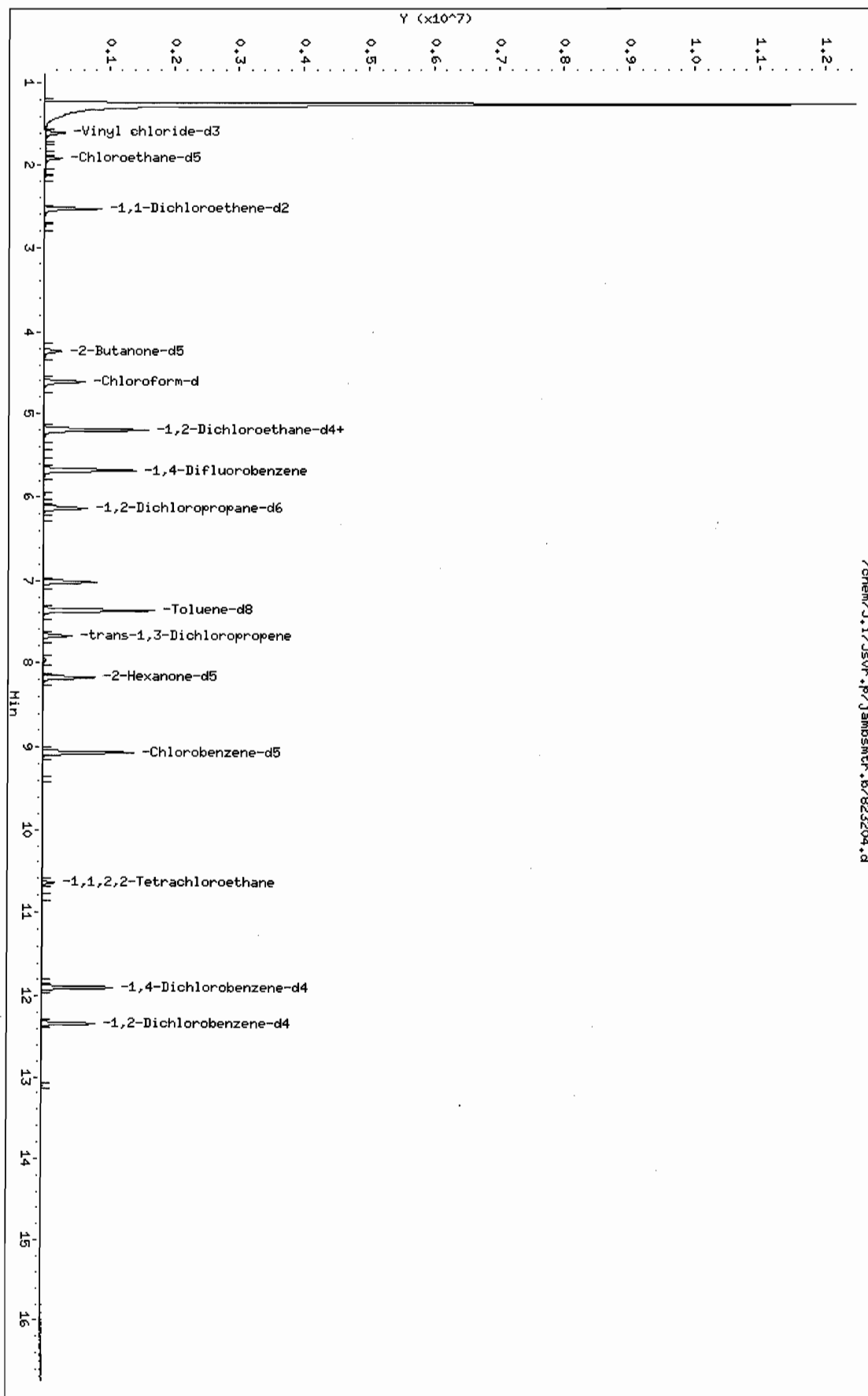
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.02	2.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jambsmr.b/823204.d
Date : 24-MAR-2010 17:11
Client ID: VHBK01
Sample Info: VHBK01 : (103/19/10 01245(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/jambsmtr.b/823204.d
Lab Smp Id: 823204 Client Smp ID: VHBLK01
Inj Date : 24-MAR-2010 17:11
Operator : JH2 Inst ID: J.i
Smp Info : VHBLK01 : [] 03/19/10 @1245(WATER)
Misc Info : 823204,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 9
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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	410317	4.26718	4.3
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.915	1.909	(0.337)	299019	4.62390	4.6
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	685255	3.57534	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	RT	EXP	RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/L)	(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	(0.745)	423408	51.0849		51
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)	568727	4.22040		4.2 (Q)
24 Chloroform	83		Compound	Not	Detected.			
25 1,1,1-Trichloroethane	97		Compound	Not	Detected.			
26 Cyclohexane	56		Compound	Not	Detected.			
27 Carbon tetrachloride	117		Compound	Not	Detected.			
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.182	(0.913)	231926	4.49356		4.5
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1337178	4.70284		4.7
30 Benzene	78		Compound	Not	Detected.			
31 1,2-Dichloroethane	62		Compound	Not	Detected.			
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1182516	5.00000		
33 Trichloroethene	95		Compound	Not	Detected.			
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	333635	4.46085		4.5
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	7.366	7.366	(0.813)	1221321	4.74210		4.7
41 Toluene	91		Compound	Not	Detected.			
\$ 42 trans-1,3-Dichloropropene-d4	79	7.676	7.677	(0.847)	263332	4.60495		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	8.175	8.175	(0.902)	300360	48.9308		49
47 2-Hexanone	43		Compound	Not	Detected.			
48 Dibromochloromethane	129		Compound	Not	Detected.			
49 1,2-Dibromoethane	107		Compound	Not	Detected.			
* 50 Chlorobenzene-d5	117	9.063	9.058	(1.000)	823204	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	10.651	10.651	(1.175)	100007	4.41276		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	11.898	11.899	(1.000)	317660	5.00000		
62 1,4-Dichlorobenzene	146		Compound	Not	Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	221214	4.63724	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.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/823204.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/823204.d
Lab Smp Id: 823204 Client Smp ID: VHBLK01
Inj Date : 24-MAR-2010 17:11
Operator : JH2 Inst ID: J.i
Smp Info : VHBLK01 :[]03/19/10 @1245(WATER)
Misc Info : 823204,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 9
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	5.681	2955192	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
7.019	1674870	2.83377415	2.8	0		0	32

Date : 24-MAR-2010 17:11

Client ID: VHBLK01

Instrument: J.i

Sample Info: VHBLK01 :[103/19/10 @1245(WATER)

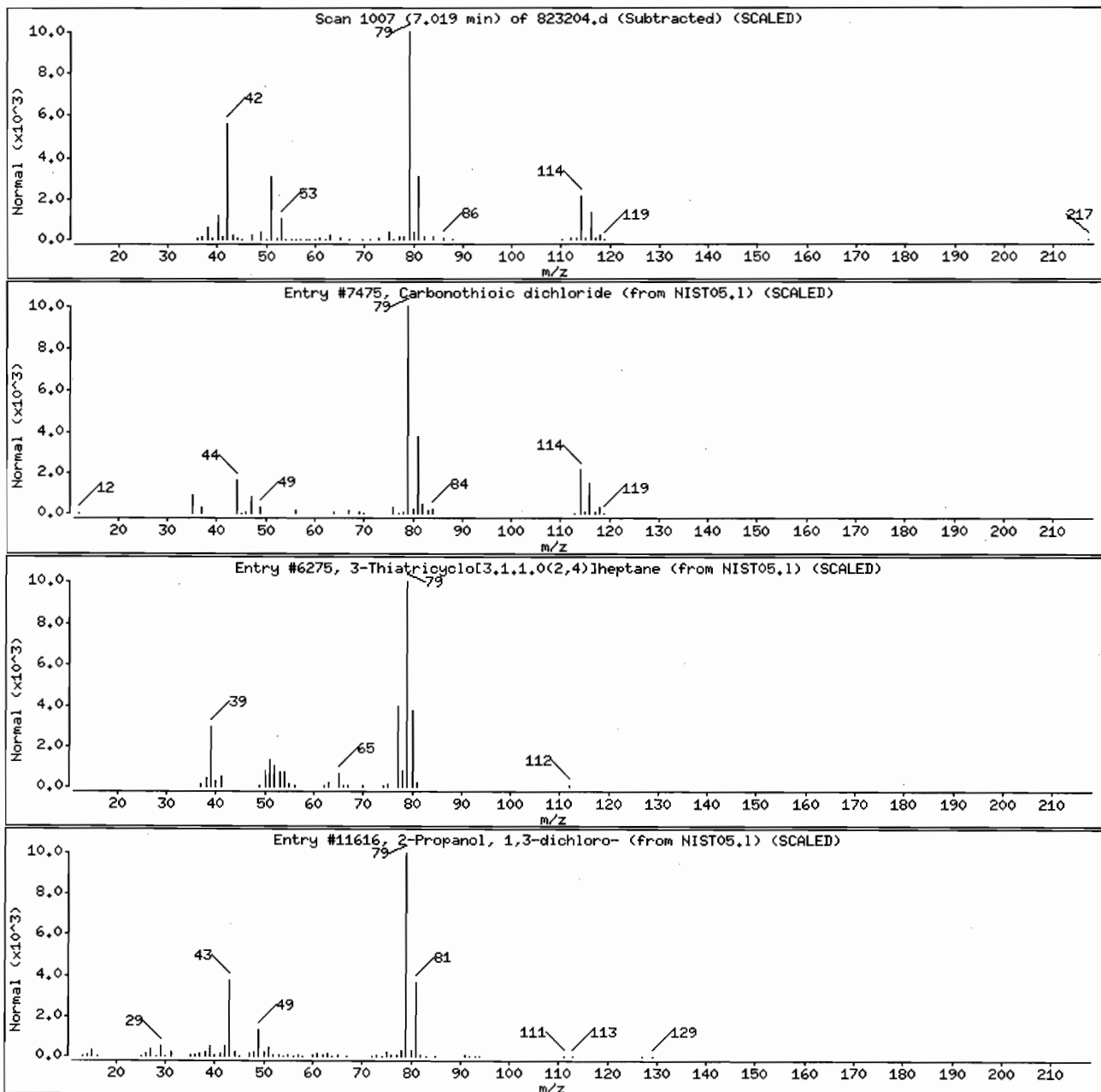
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	49	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	23	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKMV

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMV

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB05F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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.

VIBLKMV

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMV

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB05F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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	0.24	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.

VIBLKMV

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMV

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB05F

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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)

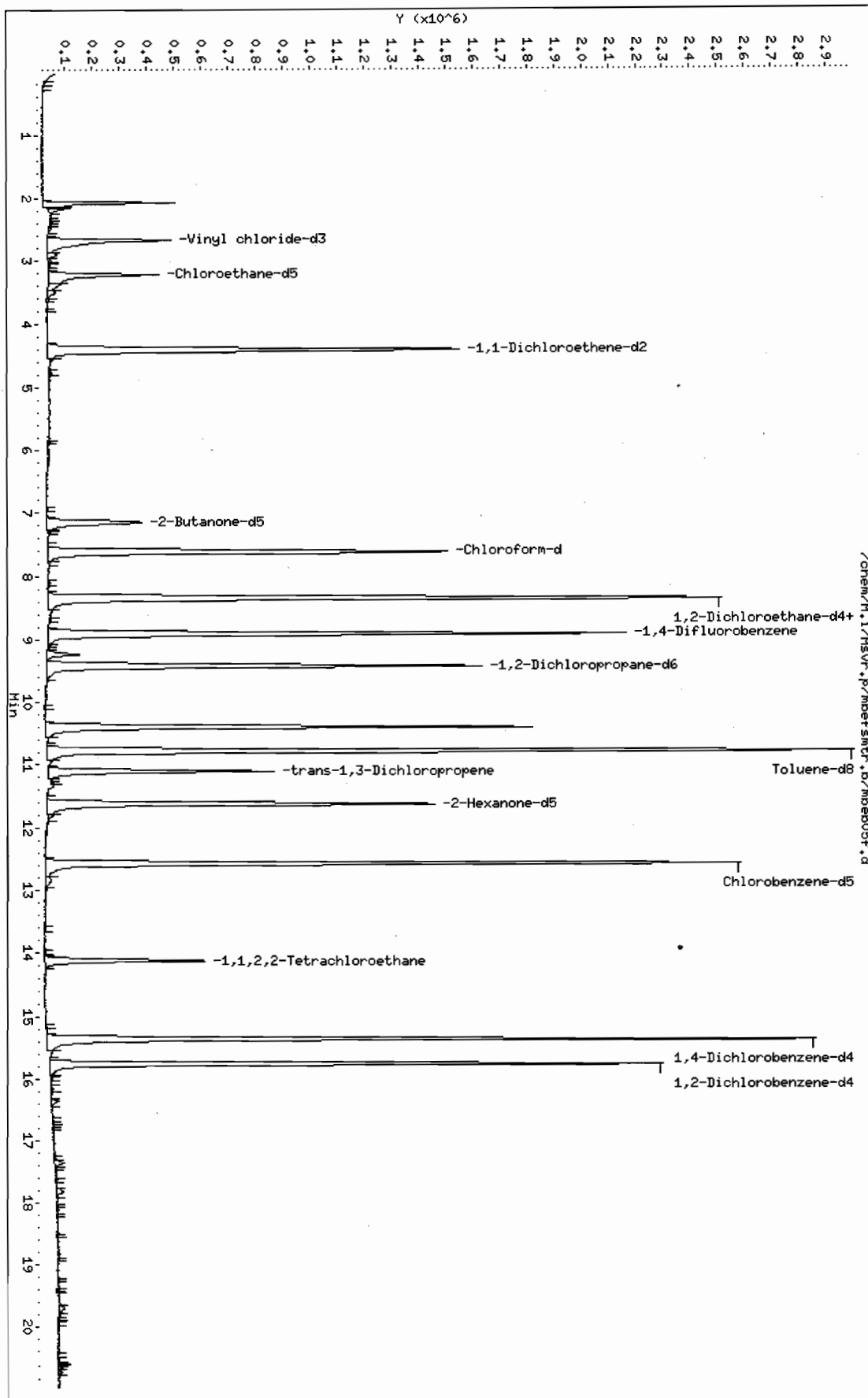
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.40	3.9	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.I./Hsvr.p/mbe/smr.b/mbe05f.d
Date : 22-MAR-2010 13:37
Client ID: VIBLKW
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: HRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb05f.d
Lab Smp Id: VIBLKMV Client Smp ID: VIBLKMV
Inj Date : 22-MAR-2010 13:37
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMV,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.667	2.665	(0.299)	1291471	5.11779	5.1
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.220	3.219	(0.362)	1070437	5.06779	5.1
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.397	4.396	(0.494)	2587719	4.28192	4.3
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43				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	7.156	7.164	(0.803)	1099428	67.5370	68
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	7.611	7.619	(0.855)	2384274	5.48924	5.5(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.323	8.331	(0.934)	697732	6.11076	6.1(Q)
\$ 29 Benzene-d6	84	8.333	8.341	(0.664)	3307559	4.88558	4.9
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.906	8.905	(1.000)	3220928	5.00000	
33 Trichloroethene	95	9.242	9.241	(0.736)	81077	0.24371	0.24(a)
\$ 34 1,2-Dichloropropane-d6	67	9.420	9.419	(0.750)	1571342	4.77815	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	10.775	10.774	(0.858)	3660715	4.96486	5.0
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.101	11.090	(0.884)	901201	5.22736	5.2
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.606	11.594	(0.924)	1151318	56.6109	57
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	12.555	12.553	(1.000)	2642305	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.107	14.116	(1.124)	649811	5.20820	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	15.343	15.332	(1.000)	1395396	5.00000	(Q)
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.739	15.737	(1.026)	1042517	4.53221	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbeb05f.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb05f.d
Lab Smp Id: VIBLKMV Client Smp ID: VIBLKMV
Inj Date : 22-MAR-2010 13:37
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMV,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.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	8.906	8093506	5.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
10.399	6271616	3.87447398	3.9	0		0	32

Data File: /chem/H.i/Msvr.p/mbebsmtr.b/mbeb05f.d

Page 6

Date : 22-MAR-2010 13:37

Client ID: VIBLKHV

Instrument: H.i

Sample Info:

Purge Volume: 25.0

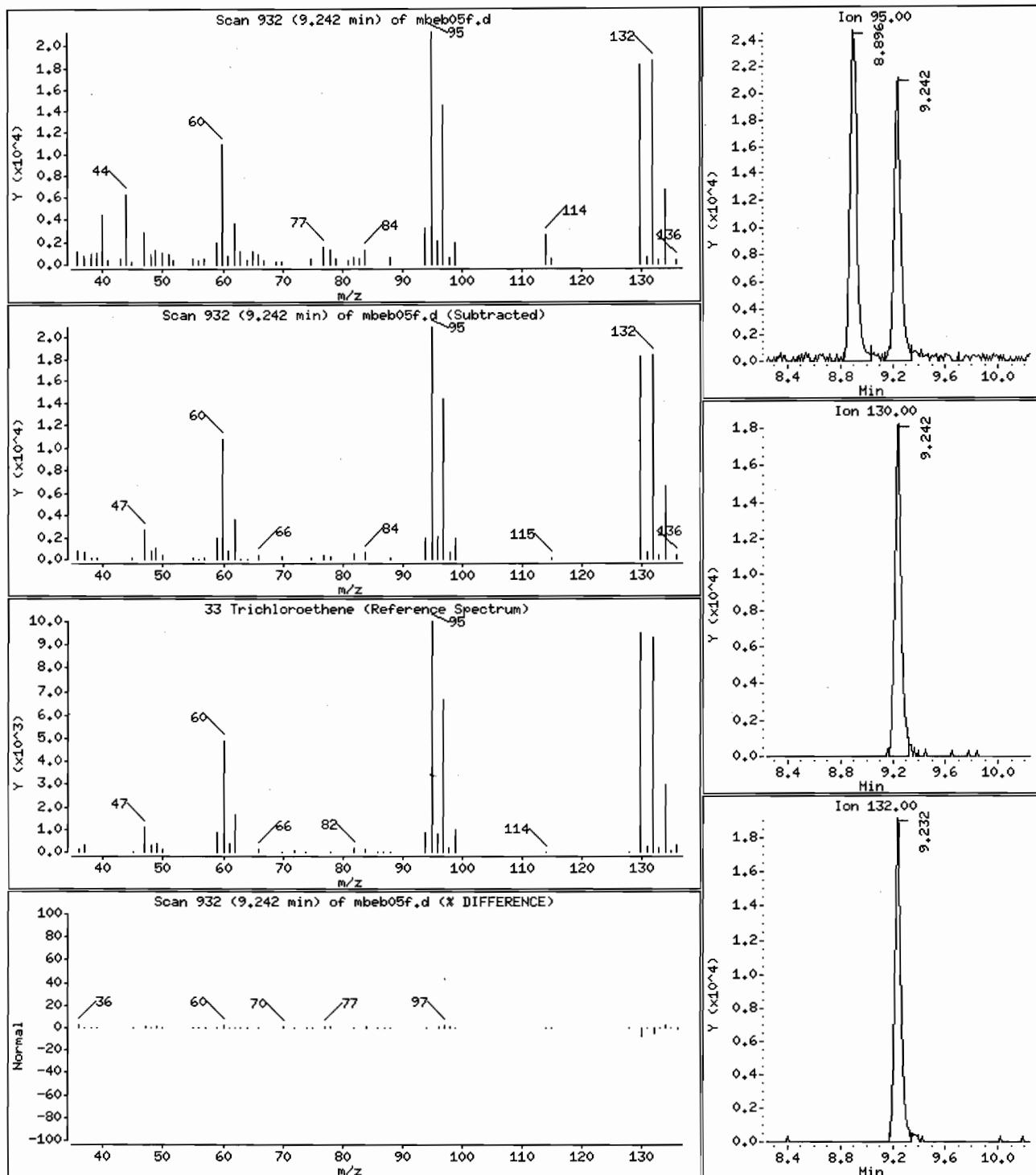
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.24 ug/L



Date : 22-MAR-2010 13:37

Client ID: VIBLKMV

Instrument: M.i

Sample Info:

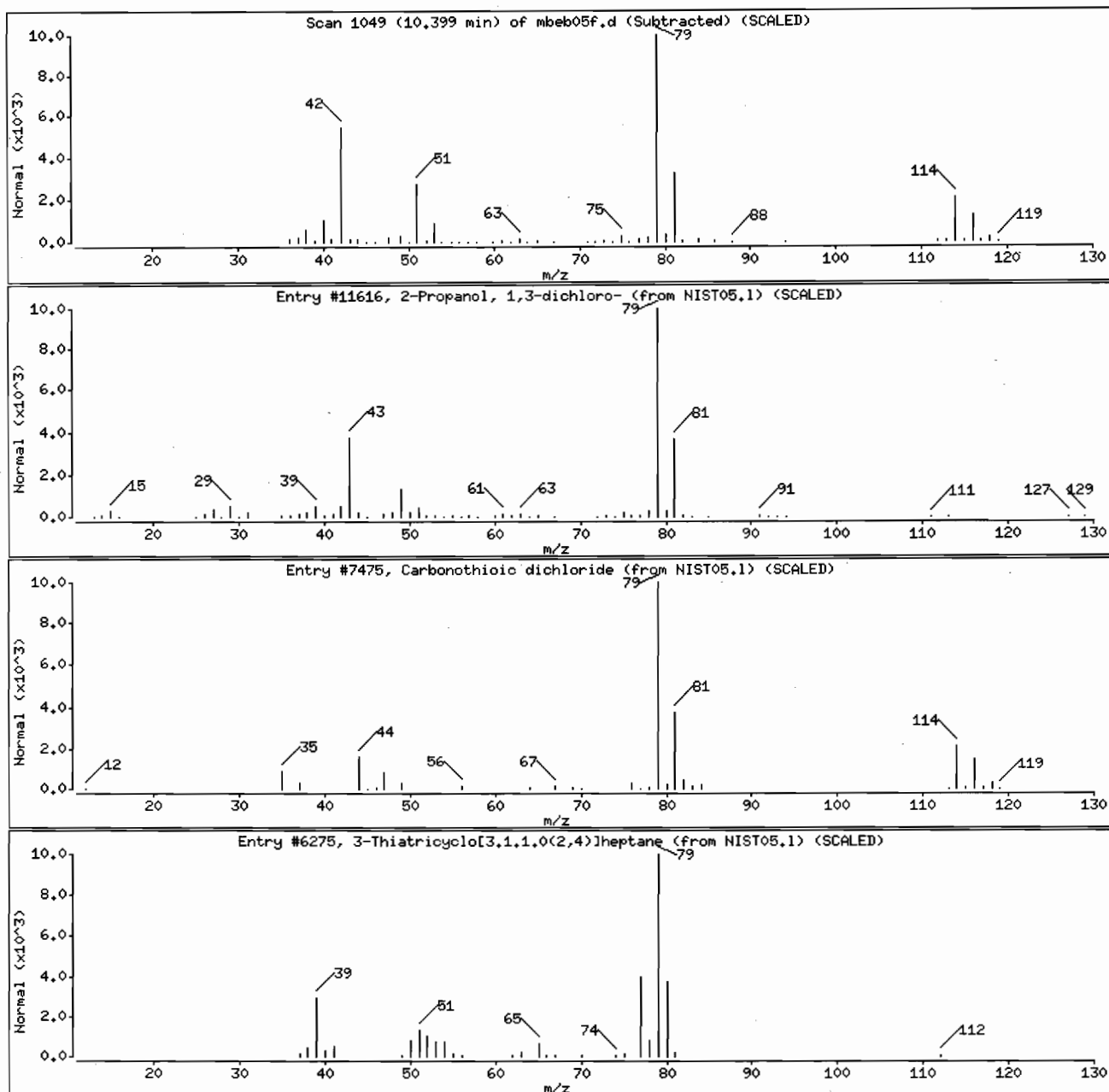
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C3H6Cl2O	128
Carbonothioic dichloride	463-71-8	NIST05.1	7475	28	CCl2S	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.

VIBLKMW

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMW

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB06F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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.

VIBLKMW

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMW

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB06F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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	0.22	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.

VIBLKMW

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMW

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB06F

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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	10.40	4.0	JXB
02					
03					
04					
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25					
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27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

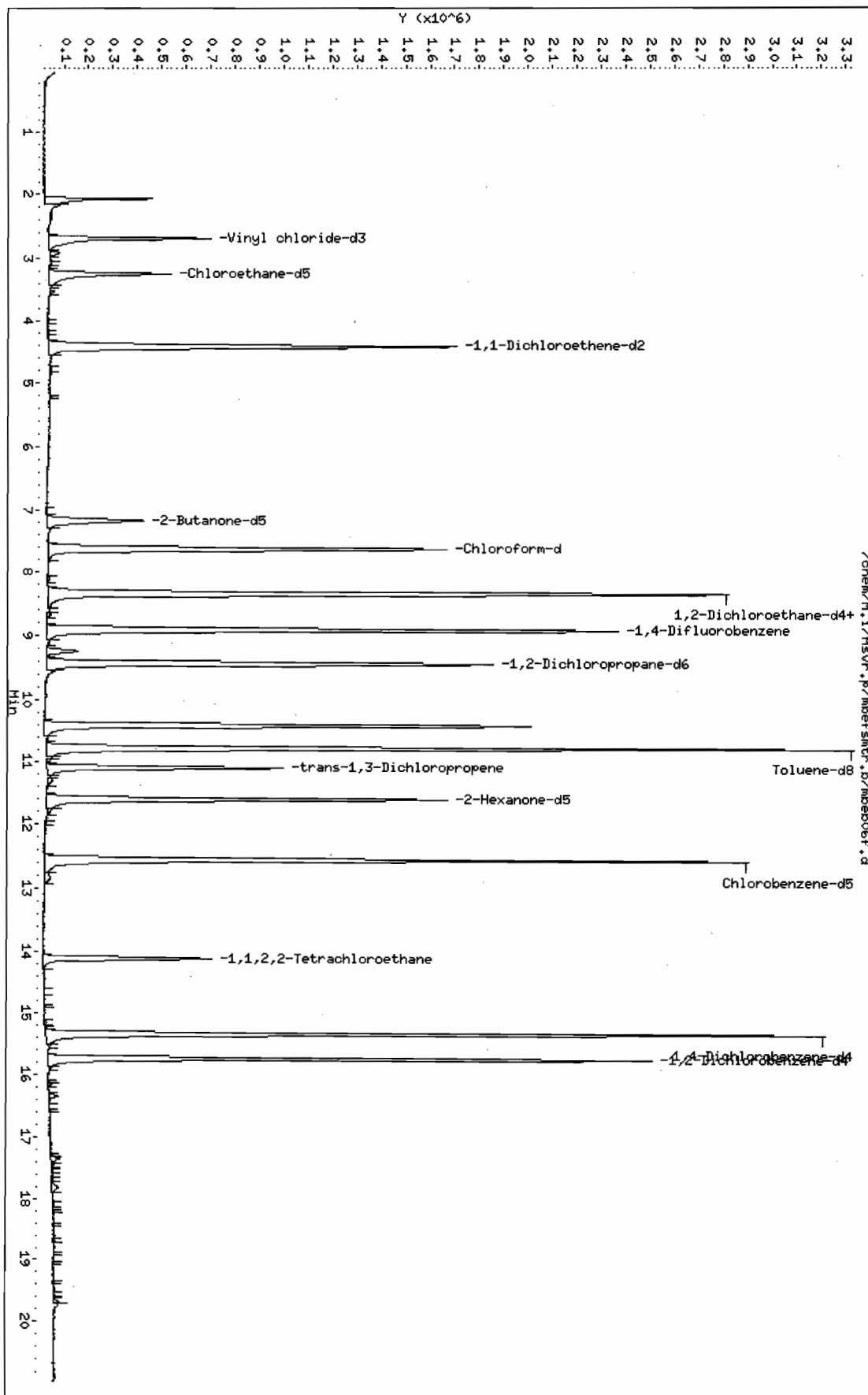
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbe/smr.b/mbe06f.d
Date : 22-MAR-2010 14:40
Client ID: VIBLKHM
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: HRV
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb06f.d
Lab Smp Id: VIBLKMW Client Smp ID: VIBLKMW
Inj Date : 22-MAR-2010 14:40
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMW,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 14
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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.671	2.665	(0.300)	1410592	5.10331	5.1
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.235	3.219	(0.363)	1184634	5.12029	5.1
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.402	4.396	(0.494)	2843294	4.29532	4.3
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43				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	7.160	7.164	(0.804)	1241615	69.6330	70
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	7.615	7.619	(0.855)	2656304	5.58324	5.6 (Q)
24 Chloroform	83		Compound Not	Detected.			
25 1,1,1-Trichloroethane	97		Compound Not	Detected.			
26 Cyclohexane	56		Compound Not	Detected.			
27 Carbon tetrachloride	117		Compound Not	Detected.			
\$ 28 1,2-Dichloroethane-d4	65	8.327	8.331	(0.935)	788066	6.30118	6.3 (Q)
\$ 29 Benzene-d6	84	8.337	8.341	(0.664)	3709445	4.90805	4.9
30 Benzene	78		Compound Not	Detected.			
31 1,2-Dichloroethane	62		Compound Not	Detected.			
* 32 1,4-Difluorobenzene	114	8.911	8.905	(1.000)	3527998	5.00000	
33 Trichloroethene	95	9.247	9.241	(0.737)	81822	0.22031	0.22 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.425	9.419	(0.751)	1759020	4.79128	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	10.770	10.774	(0.858)	4061816	4.93462	4.9
41 Toluene	91		Compound Not	Detected.			
\$ 42 trans-1,3-Dichloropropene-d4	79	11.096	11.090	(0.884)	985294	5.11940	5.1
43 trans-1,3-Dichloropropene	75		Compound Not	Detected.			
44 1,1,2-Trichloroethane	97		Compound Not	Detected.			
45 Tetrachloroethene	163		Compound Not	Detected.			
\$ 46 2-Hexanone-d5	63	11.600	11.594	(0.924)	1331831	58.6606	59
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	12.550	12.553	(1.000)	2949788	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	172		Compound Not	Detected.			
57 Isopropylbenzene	105		Compound Not	Detected.			
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.112	14.116	(1.124)	739718	5.31079	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	15.338	15.332	(1.000)	1528154	5.00000	
62 1,4-Dichlorobenzene	146		Compound Not	Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.743	15.737	(1.026)	1152099	4.57348	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbeb06f.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb06f.d
Lab Smp Id: VIBLKMW Client Smp ID: VIBLKMW
Inj Date : 22-MAR-2010 14:40
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMW,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 14
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	8.911	8905274	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.404	7053658	3.96038203	4.0	0		0	32

Data File: /chem/H.i/Msvr.p/mbebsmtr.b/mbeb06f.d

Page 6

Date : 22-MAR-2010 14:40

Client ID: VIBLKMH

Instrument: H.i

Sample Info:

Purge Volume: 25.0

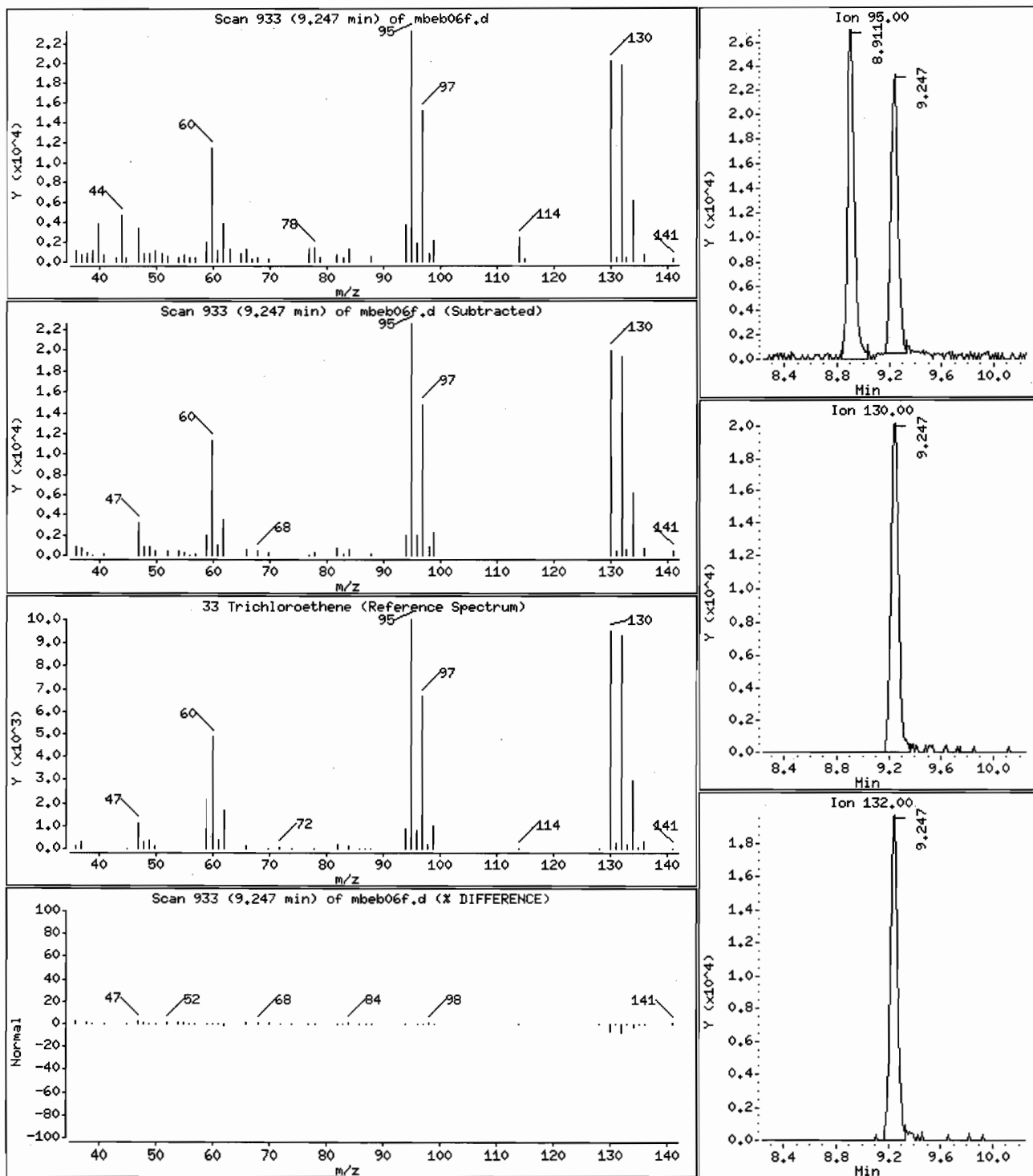
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.22 ug/L



Date : 22-MAR-2010 14:40

Client ID: VIBLKMW

Instrument: M.i

Sample Info:

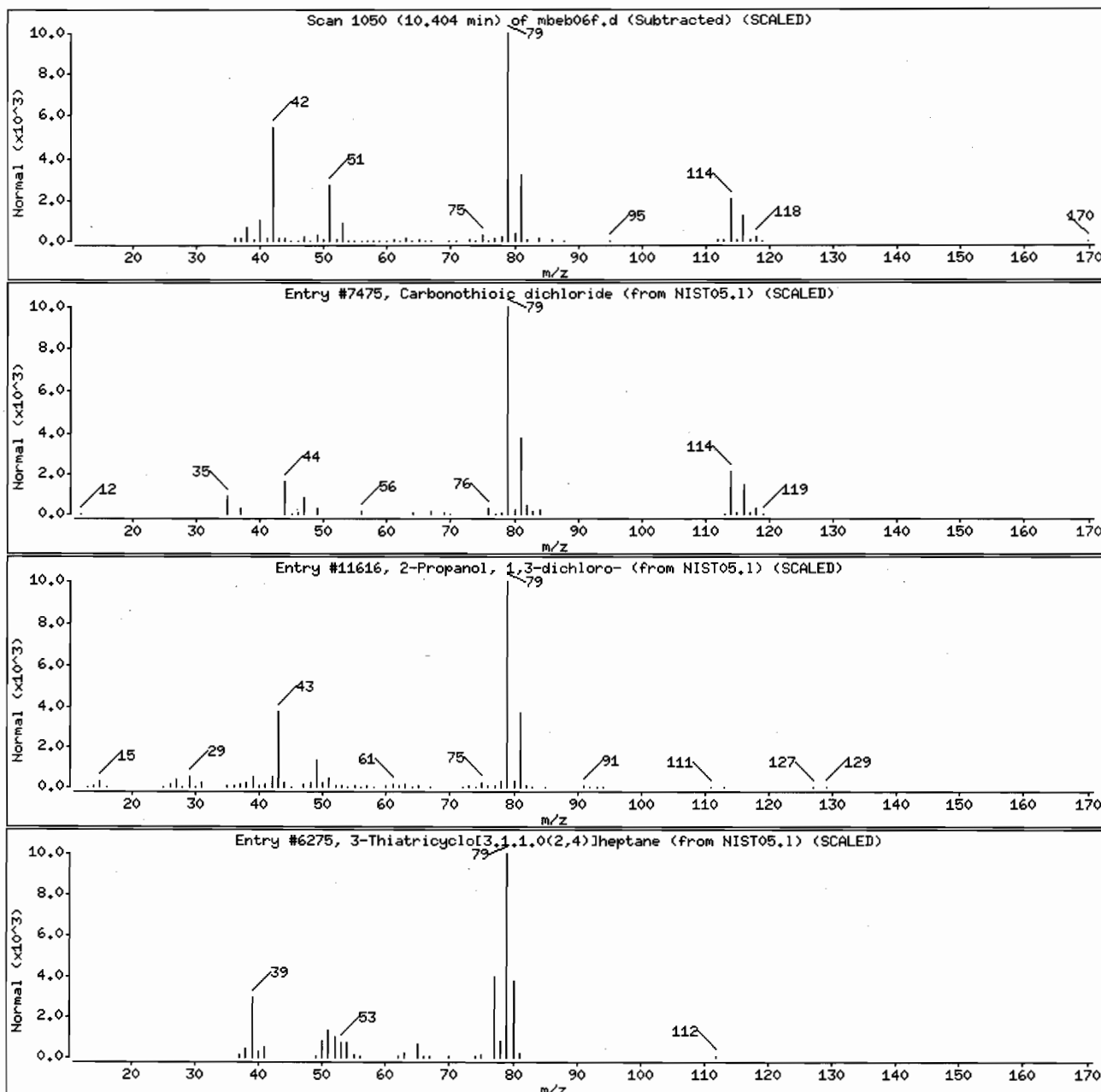
Purge Volume: 25.0

Operator: MRV

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	50	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKMX

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKMX
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MBEB07F
Level: (TRACE/LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/22/2010
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.

VIBLKMX

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMX

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB07F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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	0.28	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.

VIBLKMX

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMX

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB07F

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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)

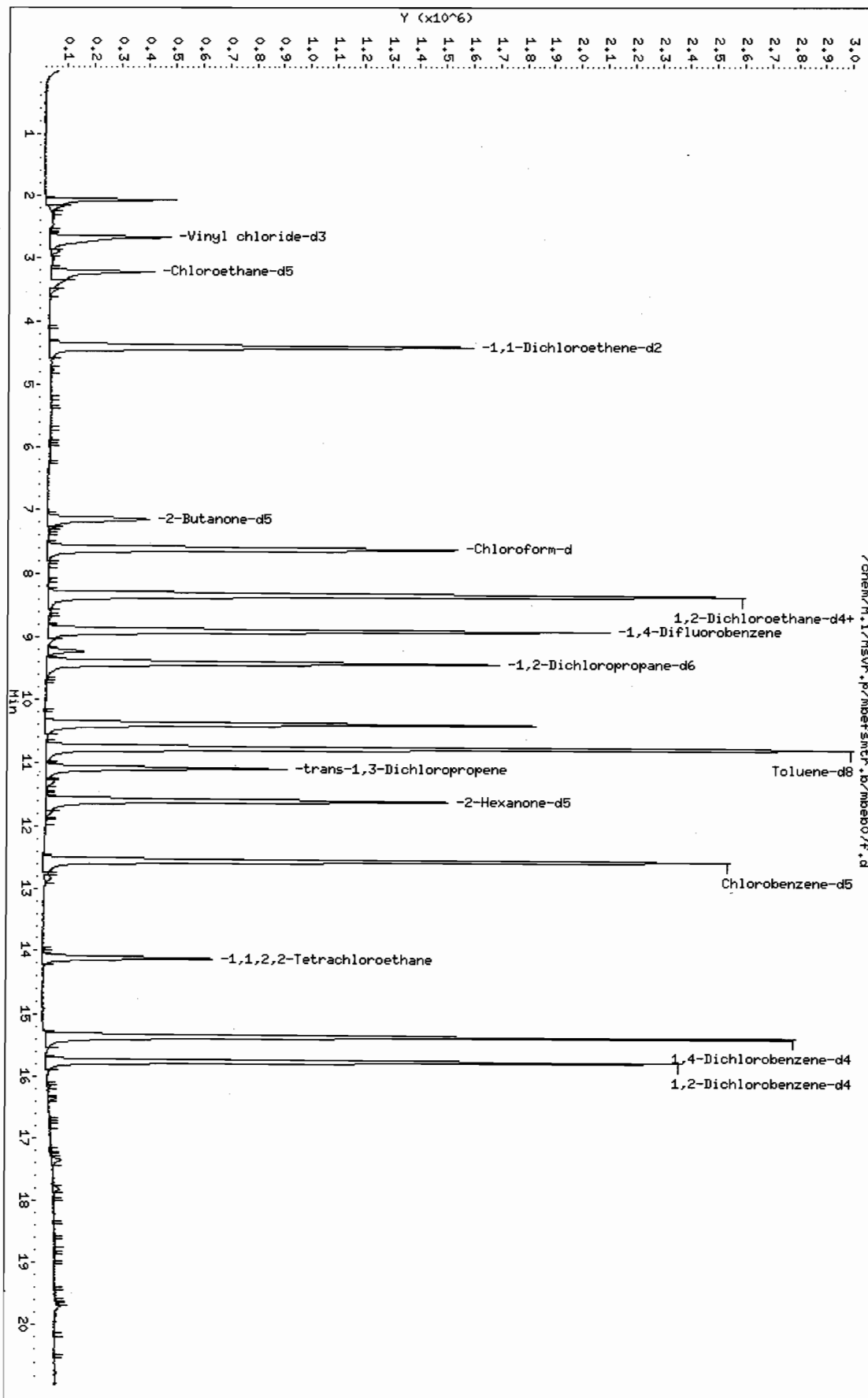
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.39	4.1	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbe/smr.b/mbe07f.d
Date : 22-MAR-2010 15:43
Client ID: VIBLKHX
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: HKV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb07f.d
Lab Smp Id: VIBLKMX Client Smp ID: VIBLKMX
Inj Date : 22-MAR-2010 15:43
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMX,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 16
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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.662	2.665	(0.299)	1295394	5.43517	5.4
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.215	3.219	(0.362)	1076933	5.39834	5.4
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.392	4.396	(0.494)	2614407	4.58045	4.6
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

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	7.151	7.164	(0.804)	1162116	75.5855	76
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	7.606	7.619	(0.855)	2452951	5.97942	6.0(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.318	8.331	(0.935)	725739	6.72978	6.7(QR)
\$ 29 Benzene-d6	84	8.328	8.341	(0.664)	3421235	5.04735	5.0
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.891	8.905	(1.000)	3042056	5.00000	
33 Trichloroethene	95	9.227	9.241	(0.735)	91930	0.27600	0.28(a)
\$ 34 1,2-Dichloropropane-d6	67	9.415	9.419	(0.750)	1612435	4.89714	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	10.770	10.774	(0.858)	3738604	5.06434	5.1
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.086	11.090	(0.883)	917085	5.31303	5.3
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.601	11.594	(0.924)	1204917	59.1744	59
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	12.550	12.553	(1.000)	2645519	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.112	14.116	(1.124)	675251	5.40552	5.4
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.338	15.332	(1.000)	1365810	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG							CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.734	15.737	(1.026)	1068988	4.74796	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).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbeb07f.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb07f.d
Lab Smp Id: VIBLKMX Client Smp ID: VIBLKMX
Inj Date : 22-MAR-2010 15:43
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMX,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 16
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	8.891	7815014	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.394	6469590	4.13920578	4.1	0		0	32

Data File: /chem/H.i/Msvr.p/mbefsmtr.b/mbeb07f.d

Page 6

Date : 22-MAR-2010 15:43

Client ID: VIBLKM

Instrument: H.i

Sample Info:

Purge Volume: 25.0

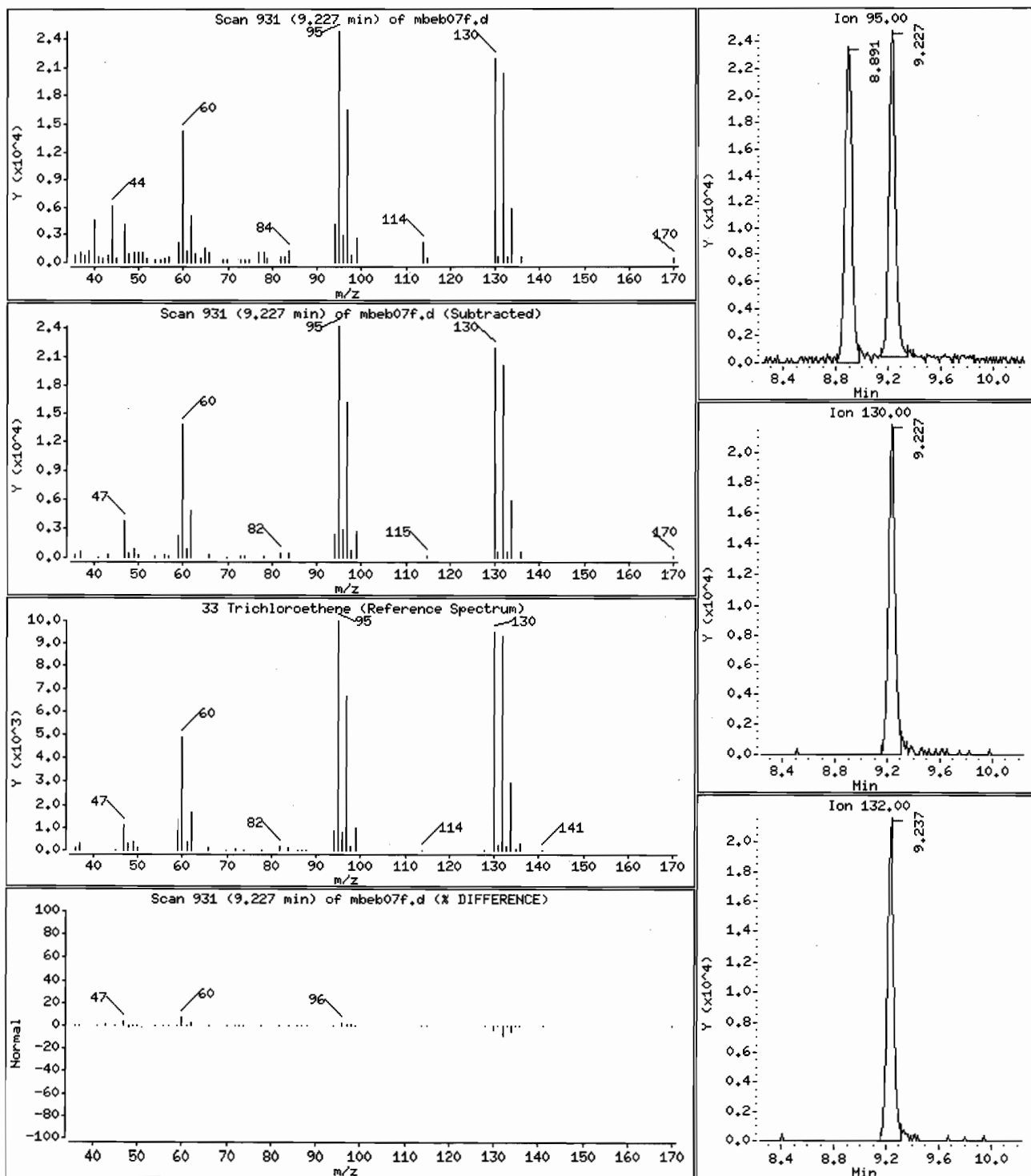
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.28 ug/L



Date: 22-MAR-2010 15:43

Client ID: VIBLKM

Instrument: M.i

Sample Info:

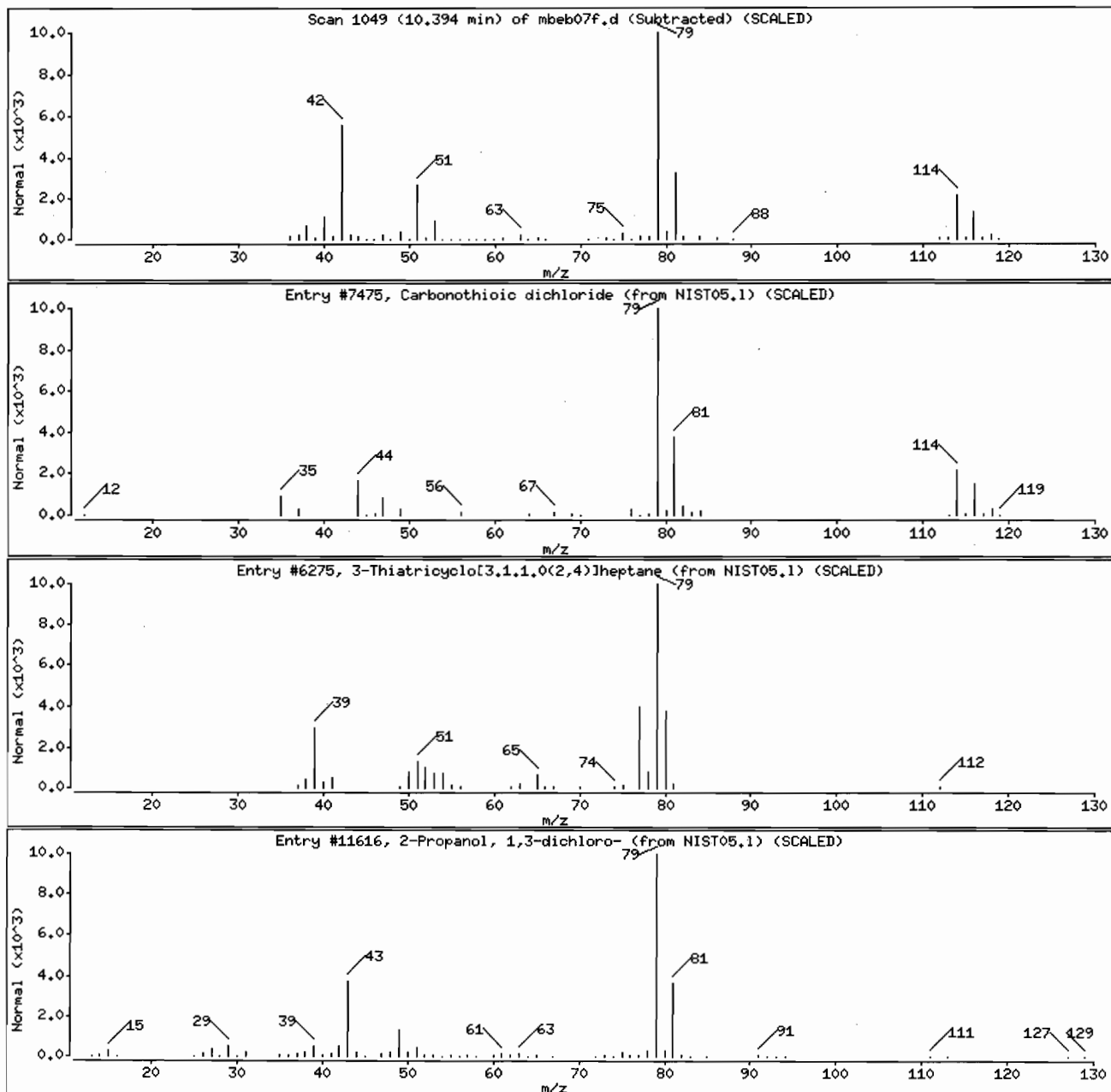
Purge Volume: 25.0

Operator: MRV

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKMY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMY

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB08F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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.

VIBLKMY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLW

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMY

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB08F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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:		Q
		(ug/L or ug/kg)	ug/L	
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		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.
VIBLKMY

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMY

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB08F

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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)

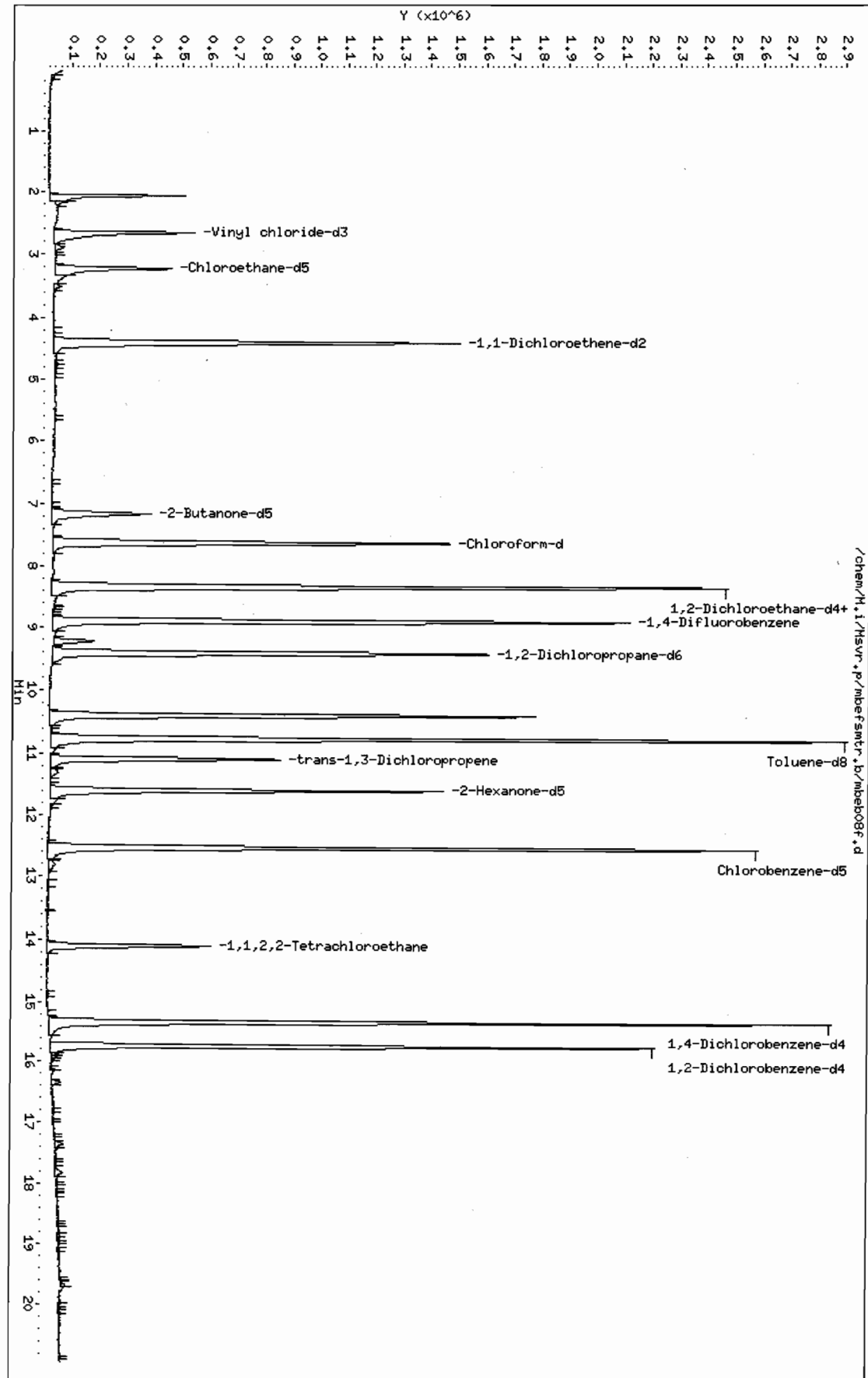
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.39	3.9	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbe/smr.b/mbe008f.d
Date : 22-MAR-2010 16:46
Client ID: VIBLKH
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HKV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb08f.d
Lab Smp Id: VIBLKMY Client Smp ID: VIBLKMY
Inj Date : 22-MAR-2010 16:46
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMY,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 18
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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.655	2.665	(0.299)	1242714	5.22038	5.2
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.219	3.219	(0.362)	1028558	5.16202	5.2
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.396	4.396	(0.494)	2491961	4.37115	4.4
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.155	7.164	(0.804)	1092960	71.1726	71
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	7.619	7.619	(0.857)	2342635	5.71734	5.7 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.321	8.331	(0.936)	697723	6.47773	6.5 (QR)
\$ 29 Benzene-d6	84	8.331	8.341	(0.664)	3251979	4.81034	4.8
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.895	8.905	(1.000)	3038419	5.00000	
33 Trichloroethene	95	9.231	9.241	(0.736)	104205	0.31368	0.31 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.409	9.419	(0.750)	1532032	4.66527	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	10.764	10.774	(0.858)	3542153	4.81092	4.8
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.090	11.090	(0.884)	873552	5.07422	5.1
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.594	11.594	(0.924)	1144278	56.3451	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	12.544	12.553	(1.000)	2638536	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.106	14.116	(1.125)	635905	5.10402	5.1
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.332	15.332	(1.000)	1386708	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.738	15.737	(1.026)	996766	4.36046	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).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbeb08f.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb08f.d
Lab Smp Id: VIBLKMY Client Smp ID: VIBLKMY
Inj Date : 22-MAR-2010 16:46
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMY,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 18
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	8.895	7854129	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.388	6081013	3.87122033	3.9	0		0	32

Data File: /chem/M.i/Msvr.p/mbefsmtr,b/mbef08f.d

Page 6

Date : 22-MAR-2010 16:46

Client ID: VIBLKHY

Instrument: M.i

Sample Info:

Purge Volume: 25.0

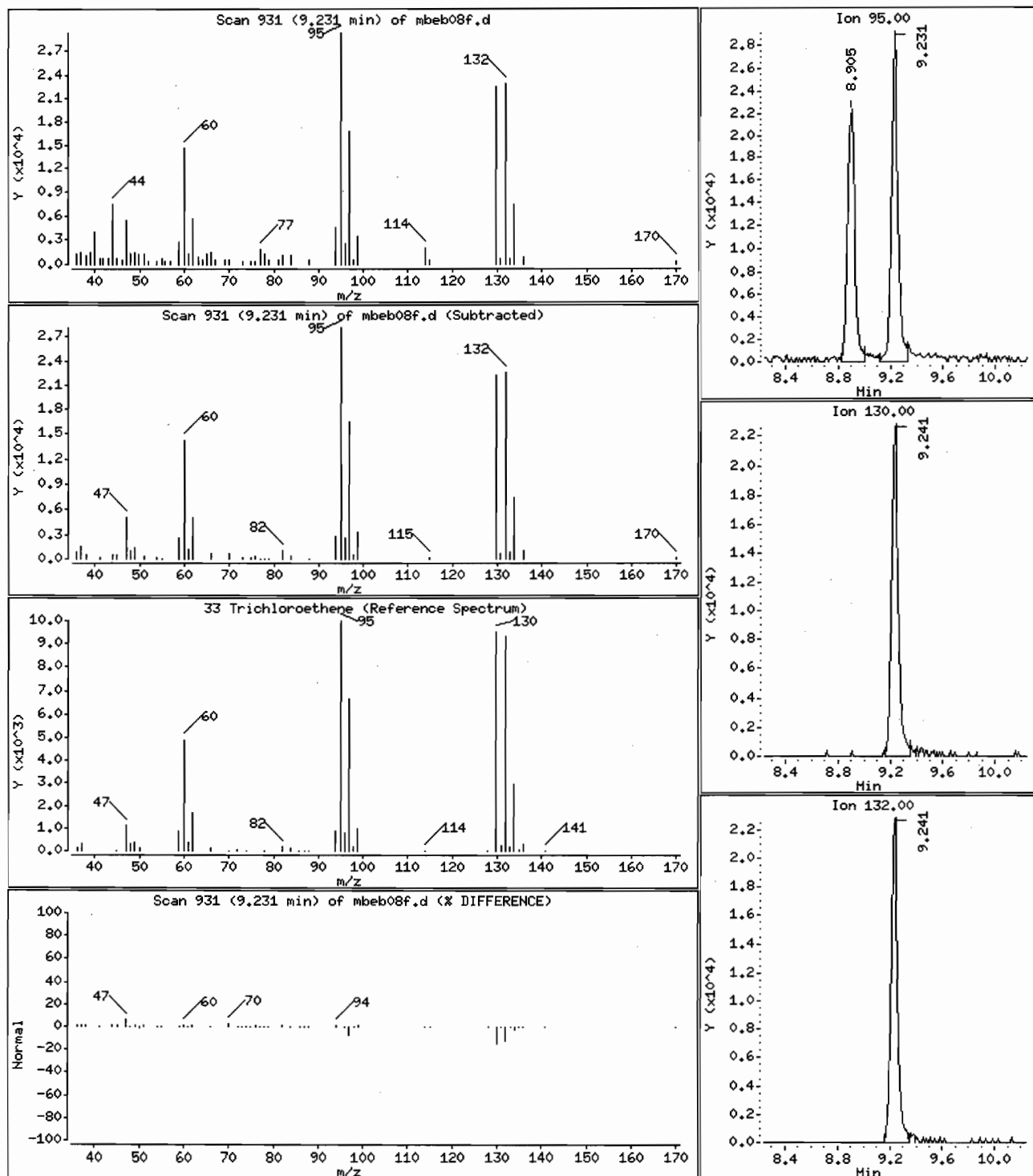
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.31 ug/L



Date : 22-MAR-2010 16:46

Client ID: VIBLKMY

Instrument: M.i

Sample Info:

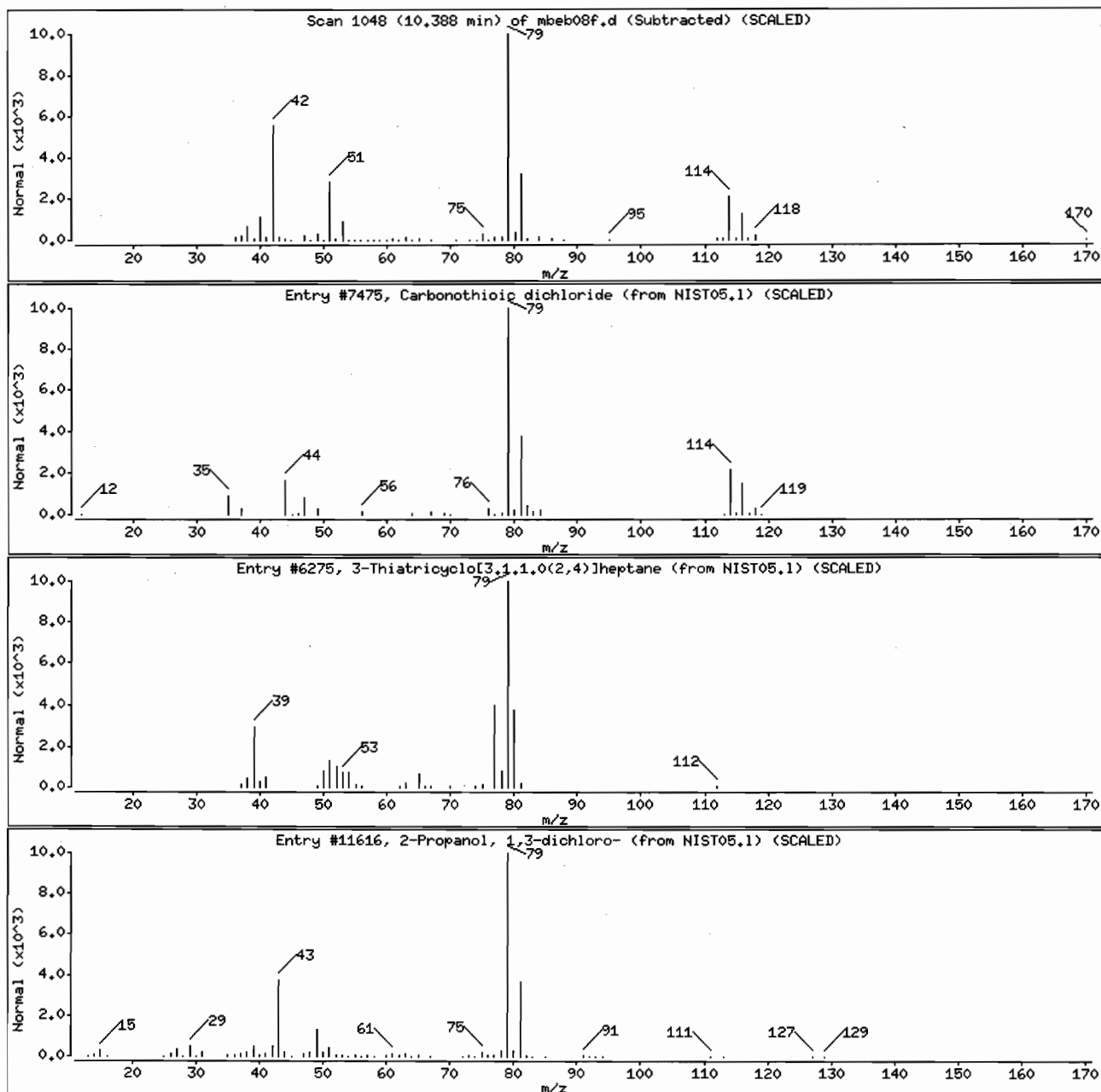
Purge Volume: 25.0

Operator: HRV

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	49	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKMZ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMZ

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB09F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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.

VIBLKMZ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKMZ

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MBEB09F

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/22/2010

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	0.29	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.
VIBLKMZ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136424
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKMZ
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MBEB09F
Level: (TRACE or LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/22/2010
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	=====	=====	=====	=====	=====
02		Unknown	10.39	4.1	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		

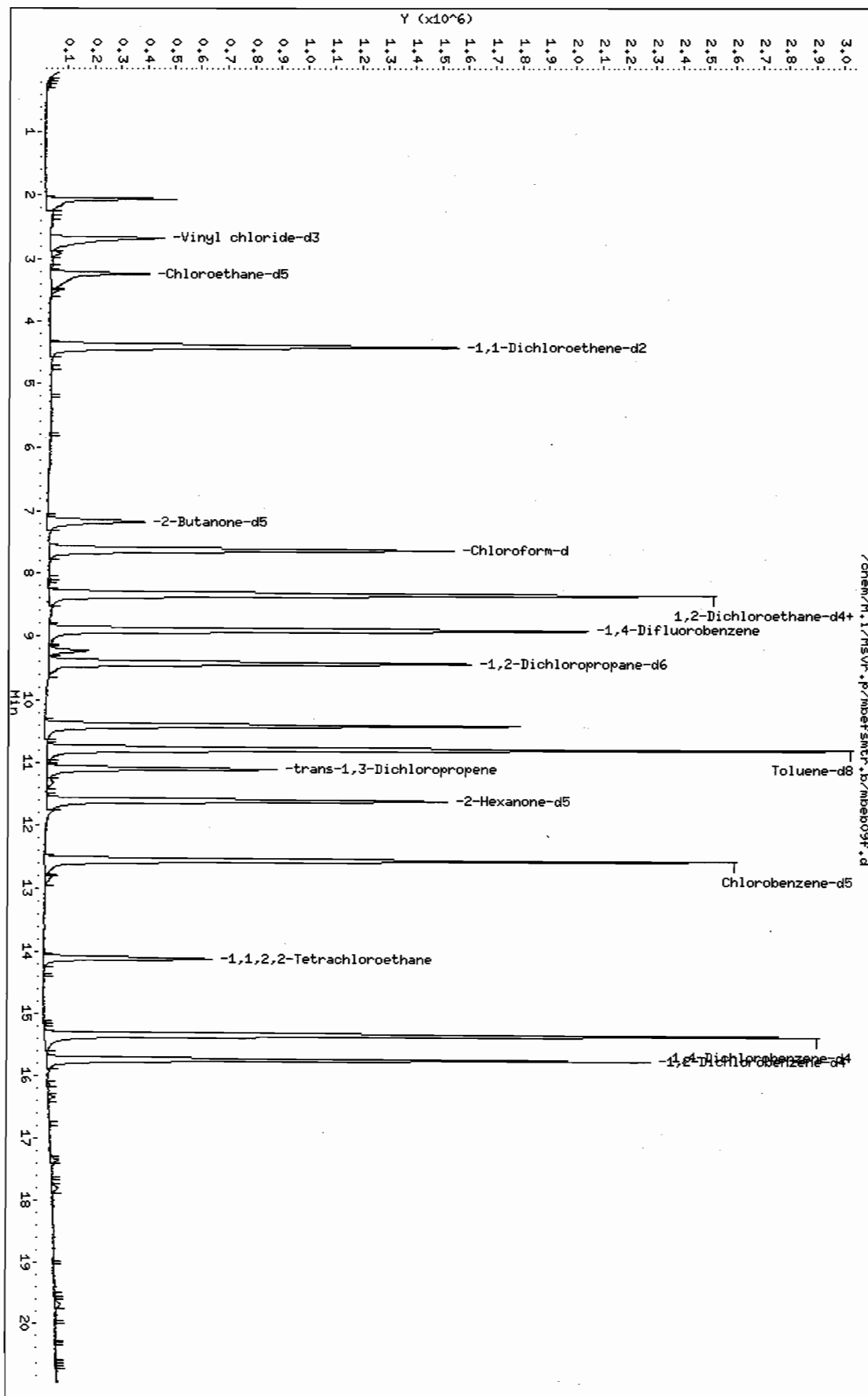
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mbe/smr.b/mbe09f.d
Date : 22-MAR-2010 17:49
Client ID: VIBLKH2
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: MKV
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb09f.d
Lab Smp Id: VIBLKMZ Client Smp ID: VIBLKMZ
Inj Date : 22-MAR-2010 17:49
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMZ,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * 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							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		2.666	2.665	(0.299)	1276601	5.46406	5.5
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		3.220	3.219	(0.362)	1062193	5.43155	5.4
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		4.406	4.396	(0.495)	2600897	4.64845	4.6
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43							
13 Carbon disulfide	76							
14 Methyl acetate	43							

Compounds	QUANT SIG	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	7.155	7.164	(0.803)	1128796	74.8952	75
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	7.620	7.619	(0.856)	2416093	6.00804	6.0 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	8.322	8.331	(0.934)	728214	6.88857	6.9 (QR)
\$ 29 Benzene-d6	84	8.342	8.341	(0.665)	3307074	4.91079	4.9
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.905	8.905	(1.000)	2982070	5.00000	
33 Trichloroethene	95	9.242	9.241	(0.737)	96535	0.29172	0.29 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.420	9.419	(0.751)	1525901	4.66460	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-Dichloropropane	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	10.764	10.774	(0.858)	3693361	5.03572	5.0
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.091	11.090	(0.884)	882369	5.14529	5.1
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	11.595	11.594	(0.924)	1167970	57.7345	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	12.544	12.553	(1.000)	2628354	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	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.107	14.116	(1.125)	671035	5.40685	5.4
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	15.333	15.332	(1.000)	1370951	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.738	15.737	(1.026)	1051591	4.65317	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).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbeb09f.d
Report Date: 25-Mar-2010 10:40

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbeb09f.d
Lab Smp Id: VIBLKMZ Client Smp ID: VIBLKMZ
Inj Date : 22-MAR-2010 17:49
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VIBLKMZ,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:39 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * 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	8.905	7740242	5.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	CPND #
Unknown							
10.389	6320229	4.08270783	4.1	0		0	32

Data File: /chem/M.i/Msvr.p/mbebsmtr.b/mbeb09f.d

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Date : 22-MAR-2010 17:49

Client ID: VIBLKMZ

Instrument: M.i

Sample Info:

Purge Volume: 25.0

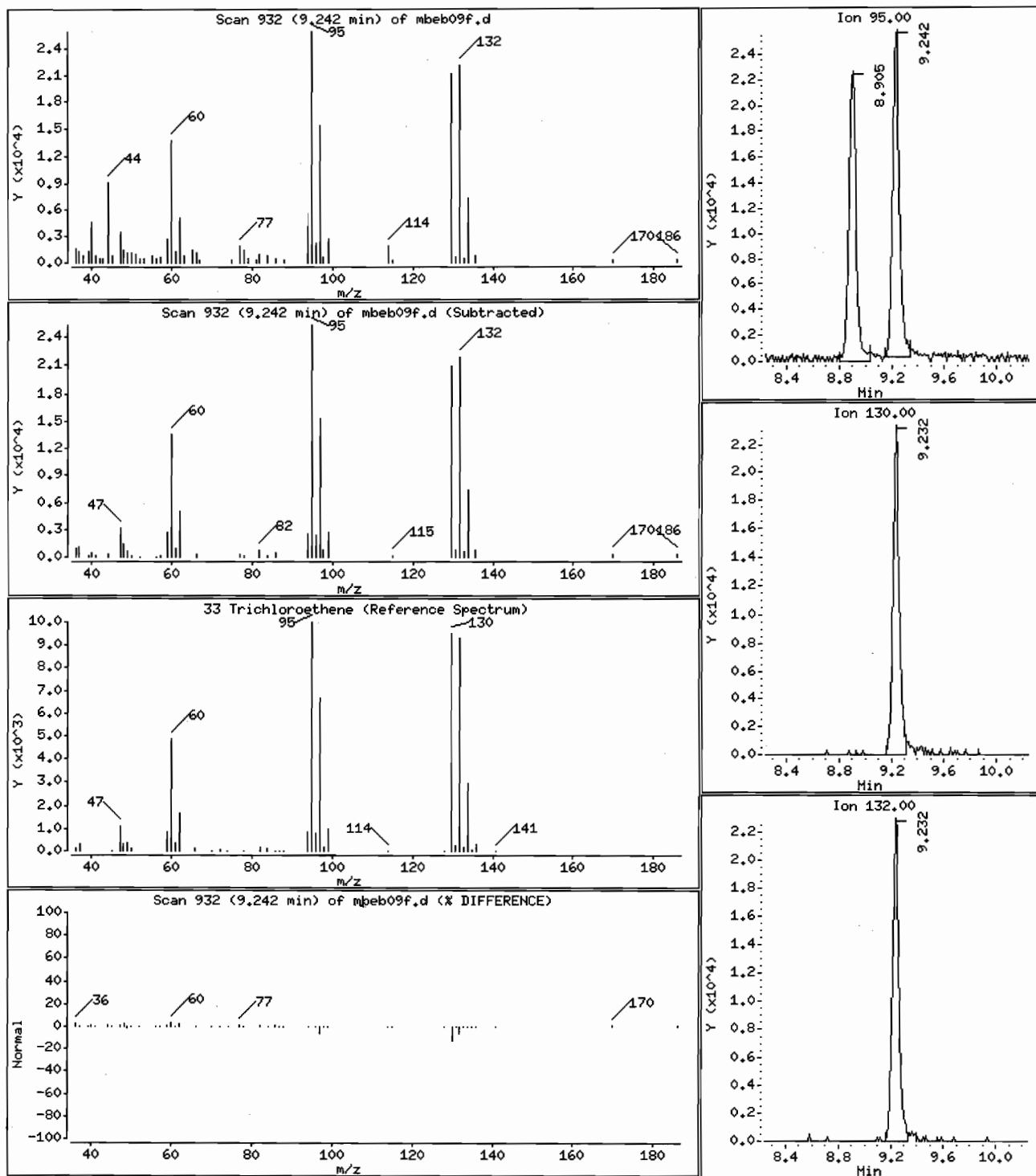
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.29 ug/L



Date : 22-MAR-2010 17:49

Client ID: VIBLKMZ

Instrument: M.i

Sample Info:

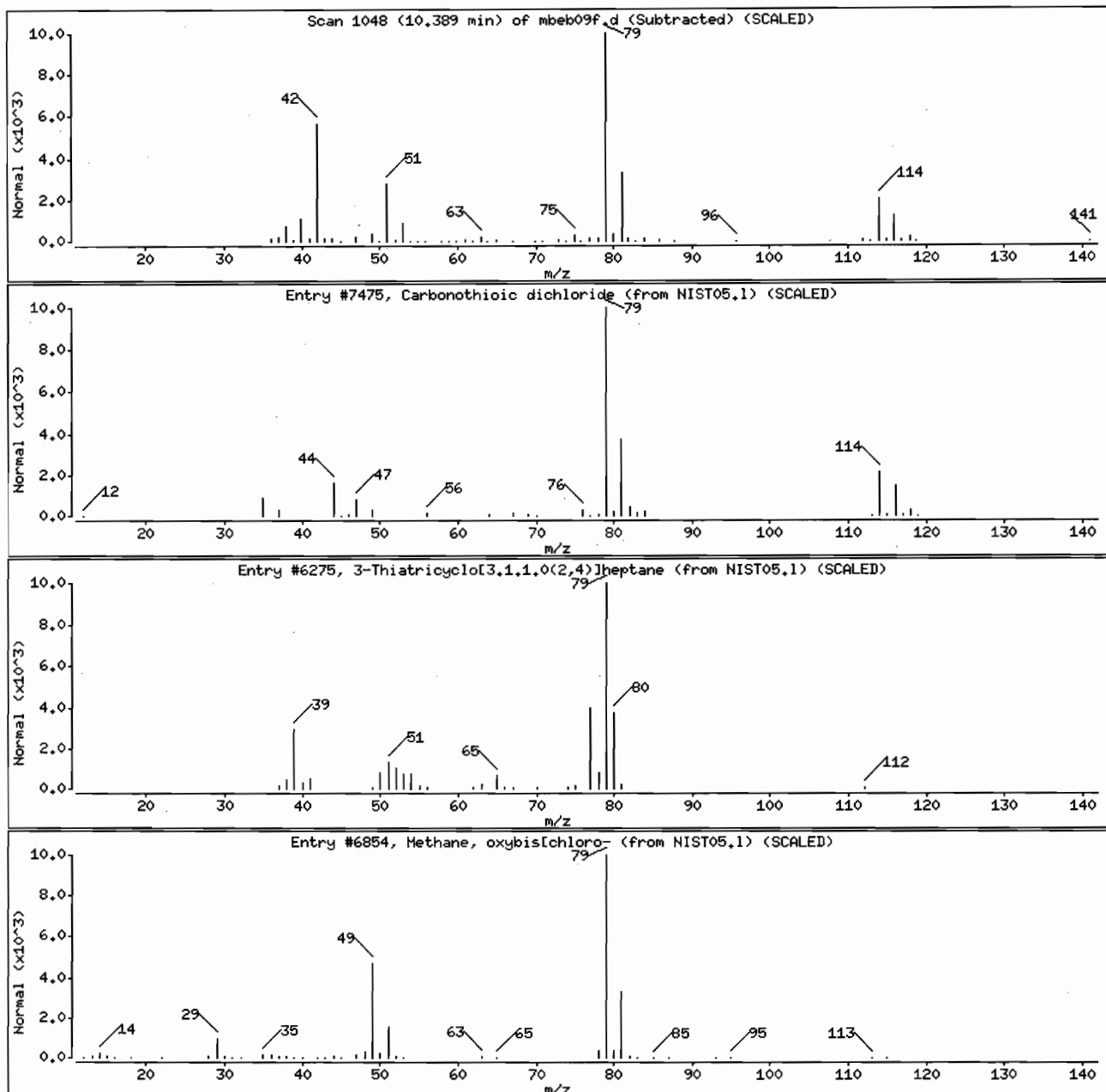
Purge Volume: 25.0

Operator: MRV

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	50	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKJA

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJA

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB05B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	2.0	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.

VIBLKJA

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJA

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB05B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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.

VIBLKJA

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJA

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB05B

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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)

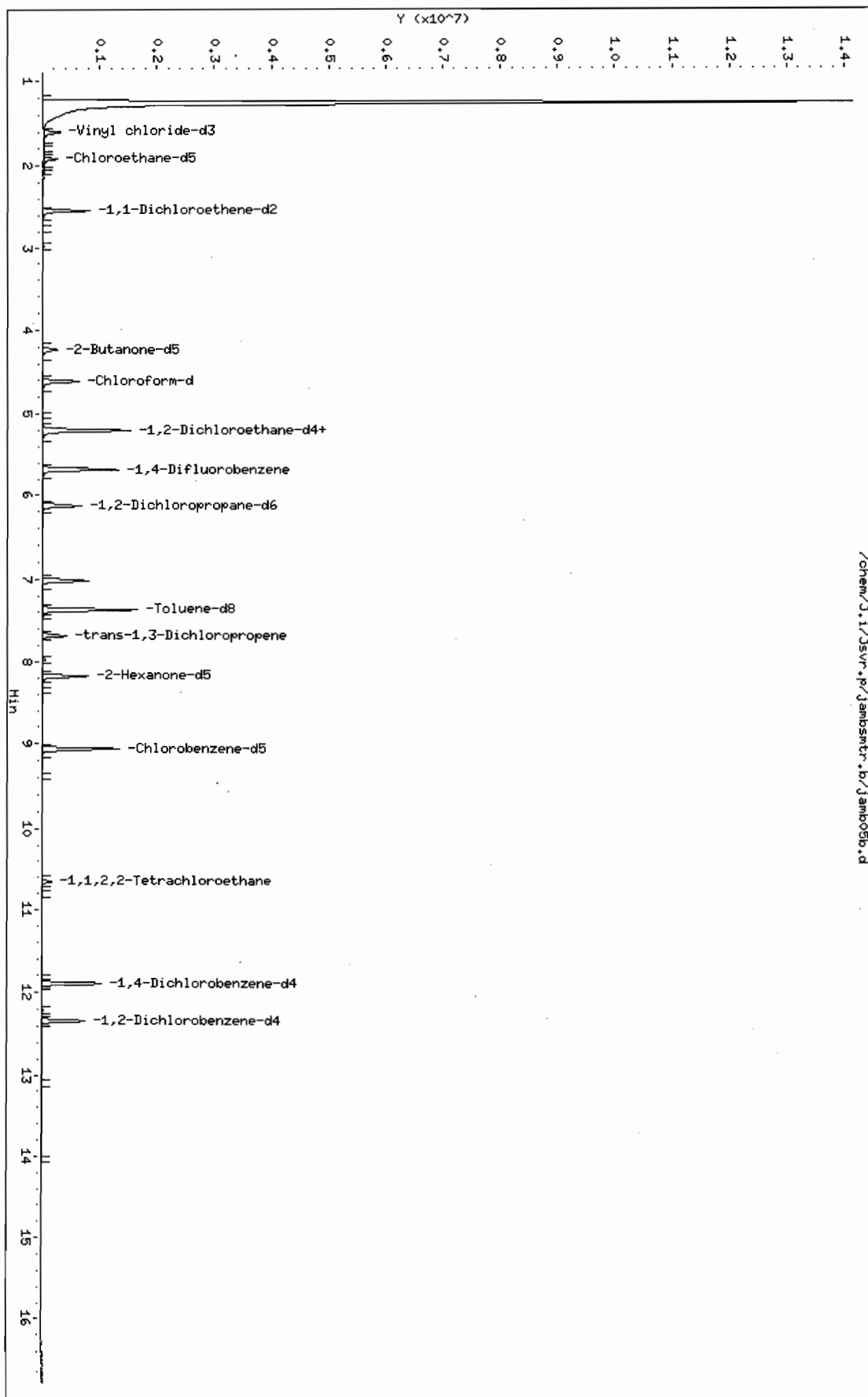
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	3.0	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jswr.p/jambsmr.b/jambo5b.d
Date : 24-MAR-2010 13:46
Client ID: VIBLKJA
Sample Info: JAMB05B
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb05b.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb05b.d
Lab Smp Id: VIBLKJA Client Smp ID: VIBLKJA
Inj Date : 24-MAR-2010 13:46
Operator : JH2 Inst ID: J.i
Smp Info : JAMB05B
Misc Info : VIBLKJA,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	422138	4.70907	4.7
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.915	1.909	(0.337)	282117	4.67948	4.7
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	669027	3.74428	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	9263	1.97430	2.0(a)
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	(0.745)	415386	53.7581	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	4.610	4.610	(0.812)	579452	4.61239	4.6(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.182	(0.913)	231975	4.82105	4.8
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1301362	4.66325	4.7
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1102423	5.00000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	323980	4.41350	4.4
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	7.366	7.366	(0.813)	1167888	4.62021	4.6
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.676	7.677	(0.847)	260416	4.63990	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	8.175	8.175	(0.902)	299563	49.7220	50
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	9.063	9.058	(1.000)	807956	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	10.651	10.651	(1.175)	105057	4.72308	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	11.898	11.899	(1.000)	292860	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT	SIG	CONCENTRATIONS					
			ON-COLUMN	FINAL				
	MASS		RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152		12.336	12.337	(1.037)	219508	4.99114	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.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb05b.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb05b.d
Lab Smp Id: VIBLKJA Client Smp ID: VIBLKJA
Inj Date : 24-MAR-2010 13:46
Operator : JH2 Inst ID: J.i
Smp Info : JAMB05B
Misc Info : VIBLKJA,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	5.681	2795123	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
7.019	1655560	2.96151556	3.0	0		0	32

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb05b.d

Page 6

Date : 24-MAR-2010 13:46

Client ID: VIBLKJA

Instrument: J.i

Sample Info: JAMB05B

Purge Volume: 25.0

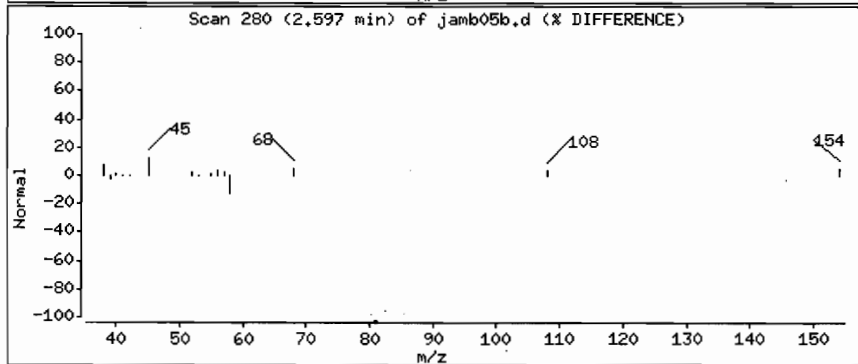
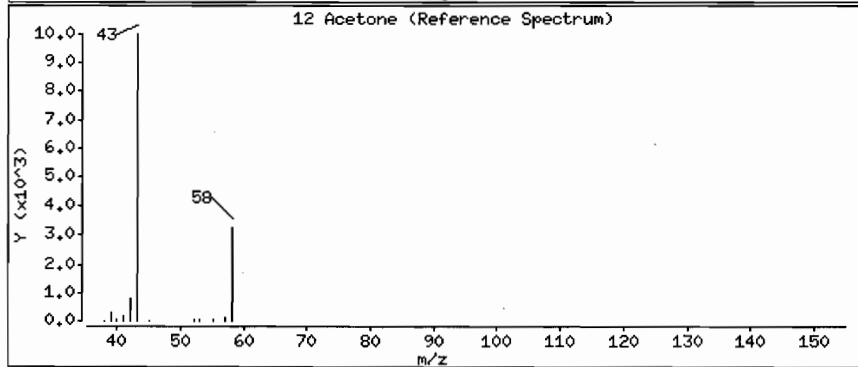
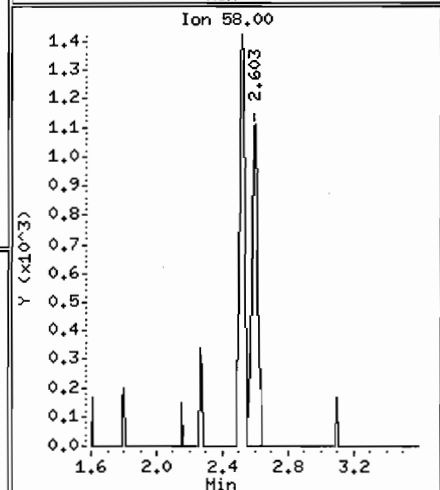
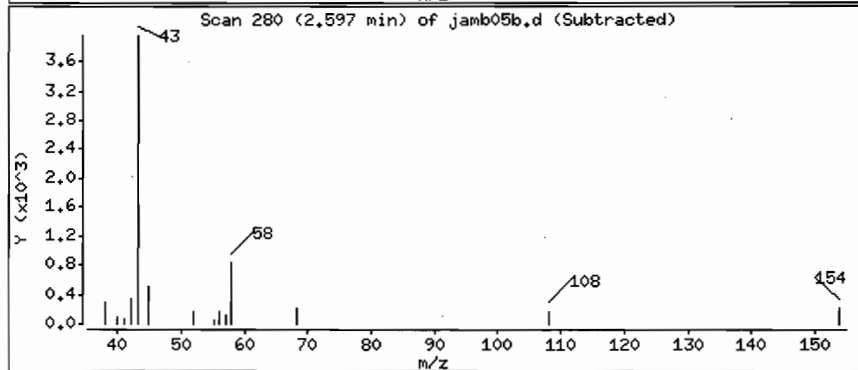
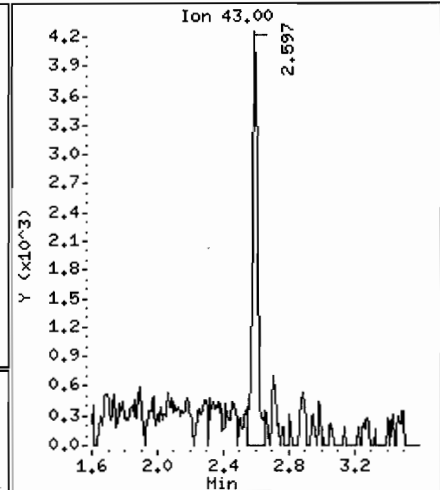
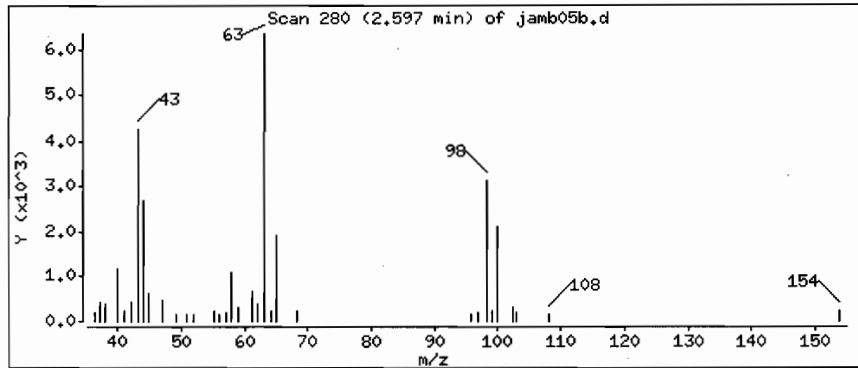
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 2.0 ug/L



Date : 24-MAR-2010 13:46

Client ID: VIBLKJA

Instrument: J.i

Sample Info: JAMB05B

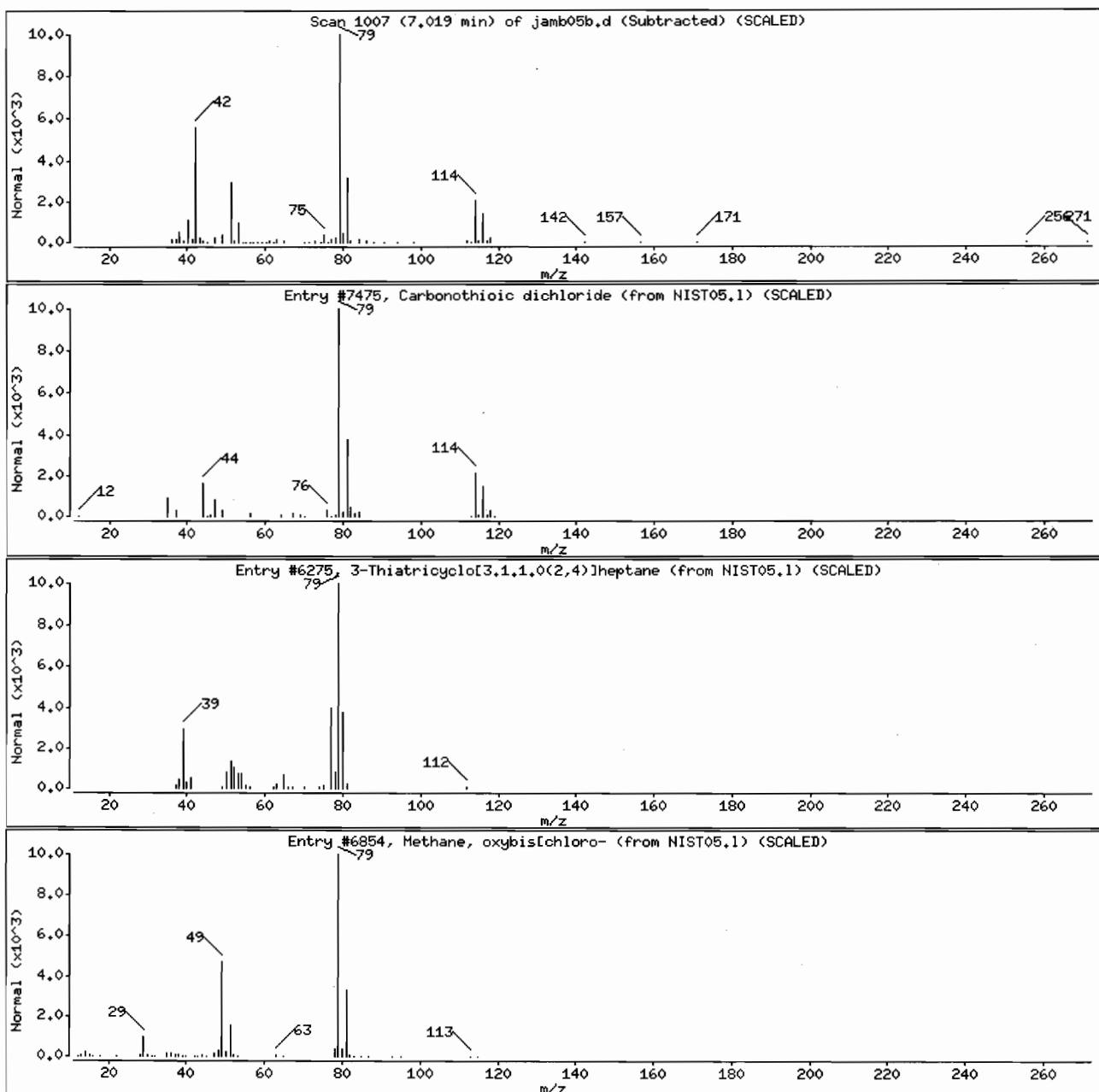
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	38	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKJC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJC

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB07B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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:		Q
		(ug/L or ug/kg)	ug/L	
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.

VIBLKJC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJC

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB07B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	0.21	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.

VIBLKJC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJC

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB07B

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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)

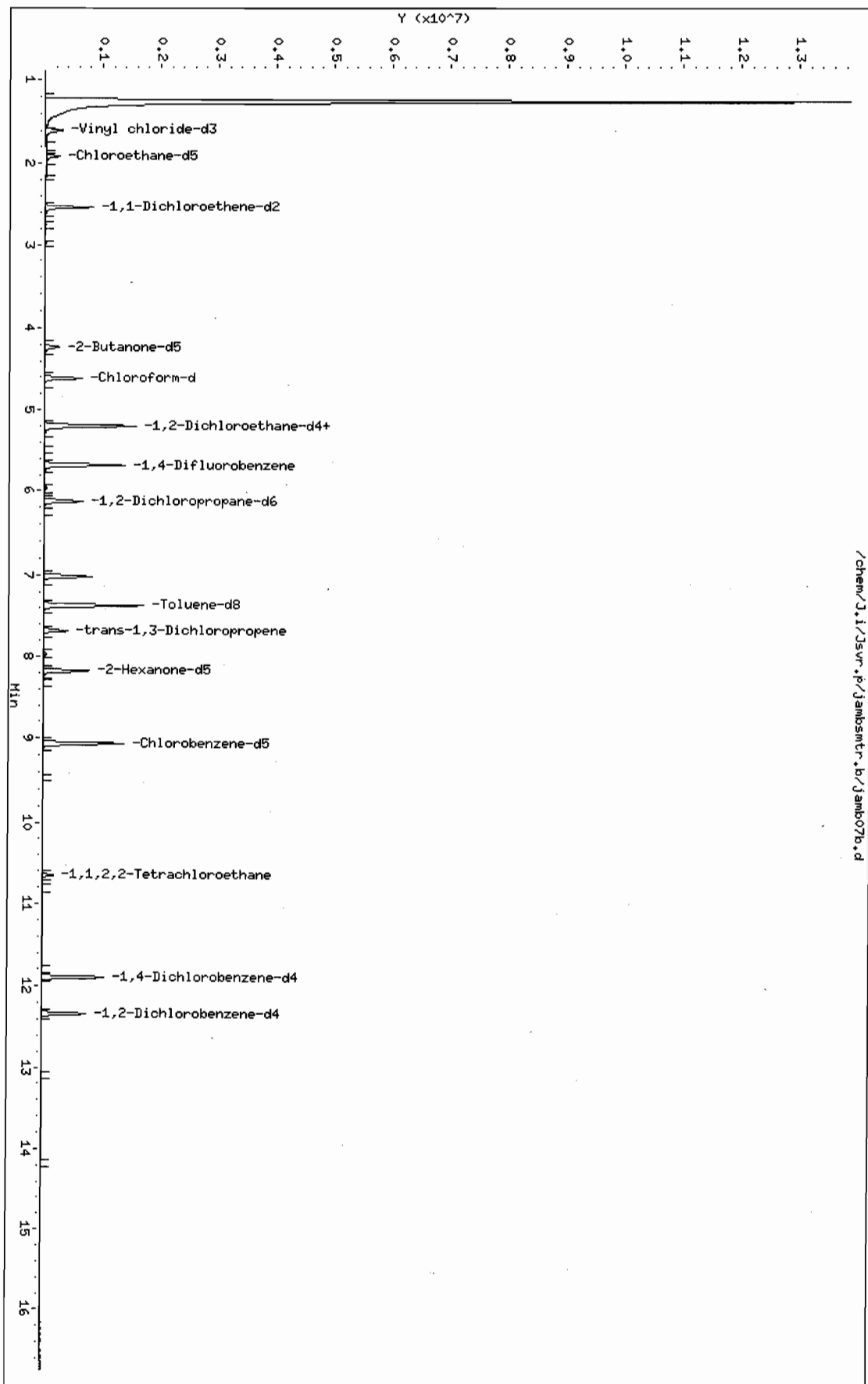
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	2.9	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jambo7b.d
Date : 24-MAR-2010 15:44
Client ID: VIBLJC
Sample Info: JAHB07B
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb07b.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb07b.d
Lab Smp Id: VIBLKJC Client Smp ID: VIBLKJC
Inj Date : 24-MAR-2010 15:44
Operator : JH2 Inst ID: J.i
Smp Info : JAMB07B
Misc Info : VIBLKJC,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	387633	4.16828	4.2
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.915	1.909	(0.337)	278222	4.44851	4.4
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	669853	3.61376	3.6
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	(0.745)	411522	51.3382	51
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)	589688	4.52466	4.5 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.912)	229320	4.59407	4.6
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1318211	4.64993	4.6
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1143650	5.00000	
33 Trichloroethene	95	5.967	5.967	(0.658)	16665	0.20777	0.21 (a)
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	320414	4.29683	4.3
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	7.366	7.366	(0.813)	1207263	4.70147	4.7
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.677	(0.848)	262348	4.60140	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	8.175	8.175	(0.902)	302881	49.4885	49
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	9.064	9.058	(1.000)	820760	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	10.651	10.651	(1.175)	104059	4.60523	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	11.899	11.899	(1.000)	307271	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	214452	4.64748	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb07b.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb07b.d
Lab Smp Id: VIBLKJC Client Smp ID: VIBLKJC
Inj Date : 24-MAR-2010 15:44
Operator : JH2 Inst ID: J.i
Smp Info : JAMB07B
Misc Info : VIBLKJC,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.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	5.681	2906499	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
7.020	1683019	2.89526758	2.9	0		0	32

Data File: /chem/J.i/Jsvr.p/jambsmr.b/jamb07b.d

Page 6

Date : 24-MAR-2010 15:44

Client ID: VIBLKJC

Instrument: J.i

Sample Info: JAMB07B

Purge Volume: 25.0

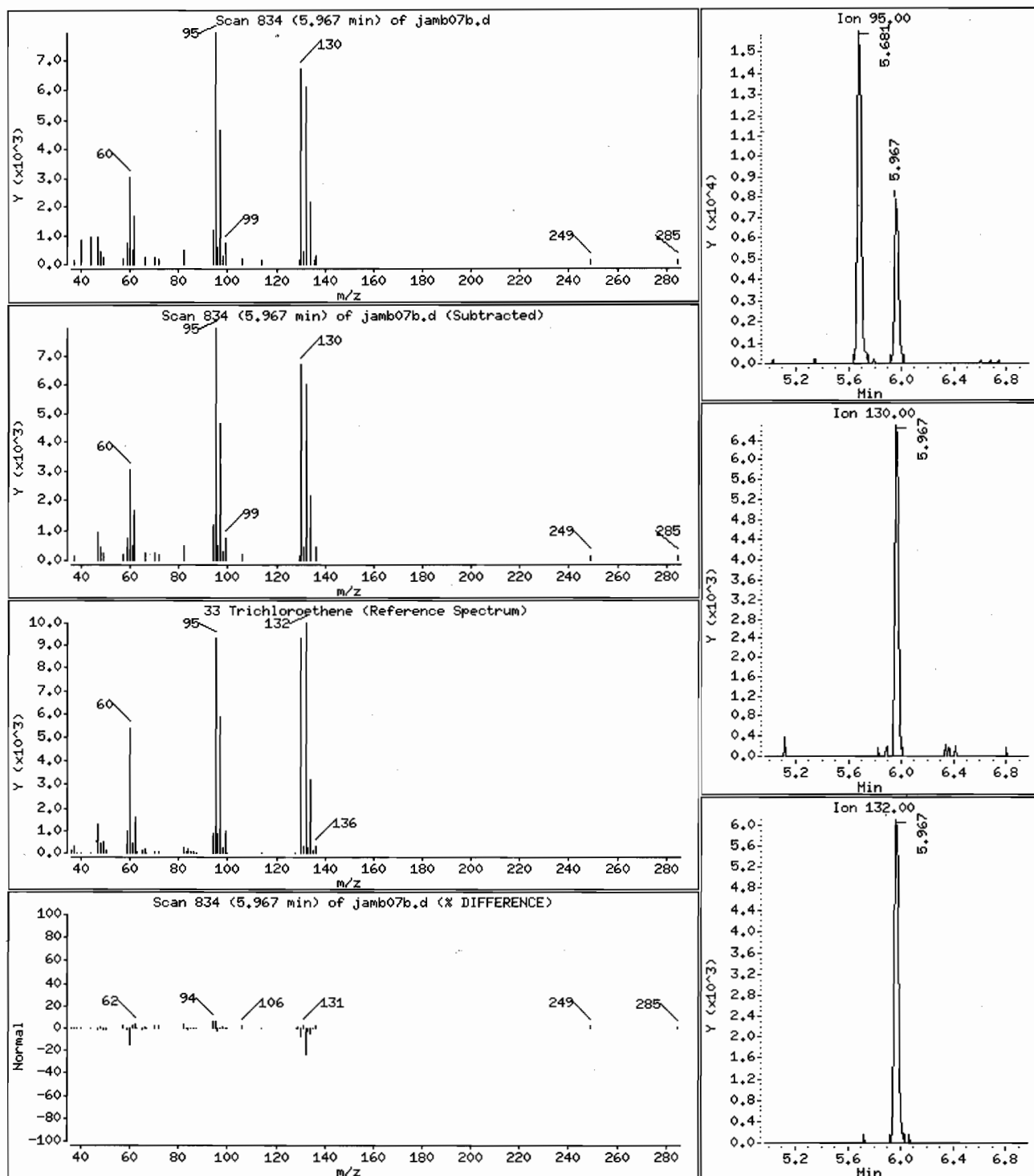
Operator: JH2

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.21 ug/L



Date : 24-MAR-2010 15:44

Client ID: VIBLKJC

Instrument: J.i

Sample Info: JAMB07B

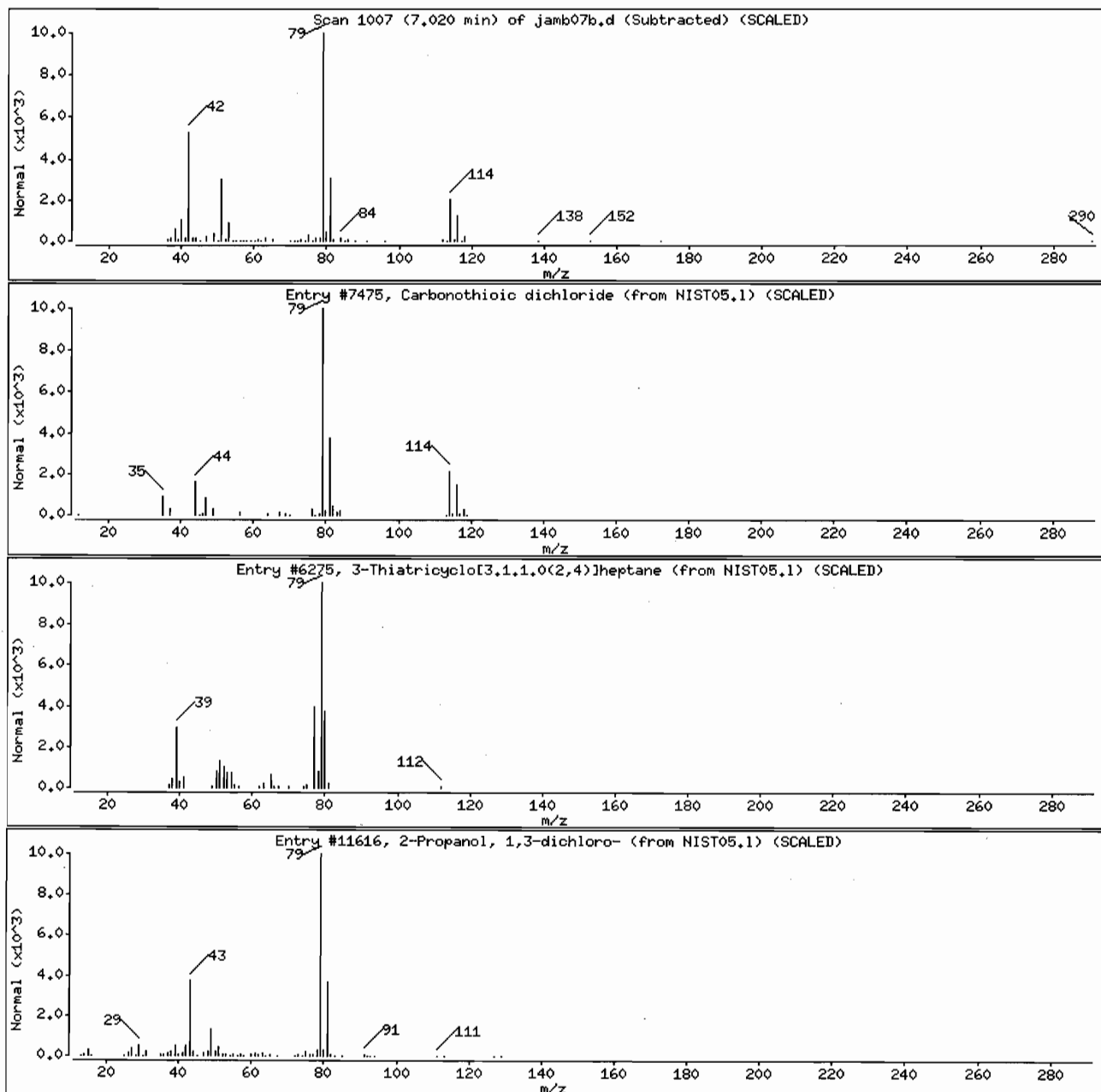
Purge Volume: 25.0

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKJD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJD

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB08B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	1.1	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.

VIBLKJD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJD

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB08B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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.

VIBLKJD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 136424

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VIBLKJD

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JAMB08B

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/24/2010

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	=====	=====	=====	=====	=====
02		Unknown	7.02	2.9	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		

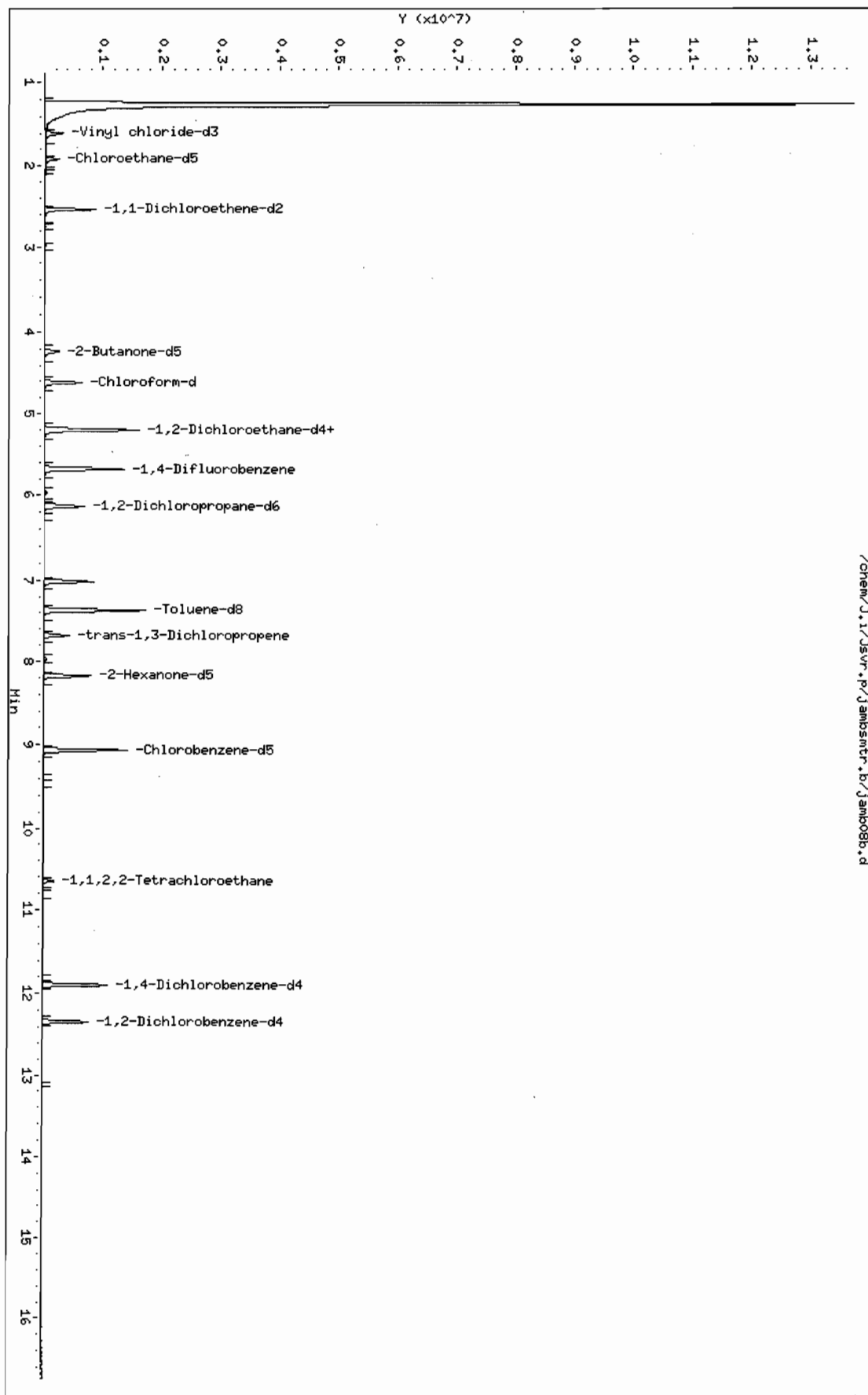
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jswr.p/jambsmtr.b/jamb08b.d
Date : 24-MAR-2010 16:42
Client ID: VIBLKJD
Sample Info: JAHB08B
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53

Page 5



Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb08b.d
Report Date: 25-Mar-2010 10:12

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb08b.d
Lab Smp Id: VIBLKJD Client Smp ID: VIBLKJD
Inj Date : 24-MAR-2010 16:42
Operator : JH2 Inst ID: J.i
Smp Info : JAMB08B
Misc Info : VIBLKJD,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 8
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	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
						(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	397070	4.28114	4.3
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.915	1.909	(0.337)	279551	4.48169	4.5
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	697336	3.77206	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	(0.457)	5550	1.14332	1.1(a)
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	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	(0.745)	422467	52.8442	53
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)	584150	4.49412	4.5 (Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.912)	233772	4.69575	4.7
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1339608	4.70086	4.7
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1140607	5.00000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	326665	4.35790	4.4
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	7.366	7.366	(0.813)	1236467	4.79019	4.8
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.676	7.677	(0.847)	266777	4.65478	4.7
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	8.175	8.175	(0.902)	300881	48.9063	49
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	9.064	9.058	(1.000)	825046	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 1,1,1,2,2-Tetrachloroethane-d2	84	10.651	10.651	(1.175)	108730	4.78695	4.8
59 1,1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	302473	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	210055	4.62440	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).
- Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jambsmtr.b/jamb08b.d
Report Date: 25-Mar-2010 10:12

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jambsmtr.b/jamb08b.d
Lab Smp Id: VIBLKJD Client Smp ID: VIBLKJD
Inj Date : 24-MAR-2010 16:42
Operator : JH2 Inst ID: J.i
Smp Info : JAMB08B
Misc Info : VIBLKJD,1,1
Comment :
Method : /chem/J.i/Jsvr.p/jambsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:12 jdl Quant Type: ISTD
Cal Date : 23-MAR-2010 18:41 Cal File: jam020v.d
Als bottle: 8
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	5.681	2900418	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
7.019	1704967	2.93917448	2.9	0		0	32

Instrument: J.i

Operator: JH2

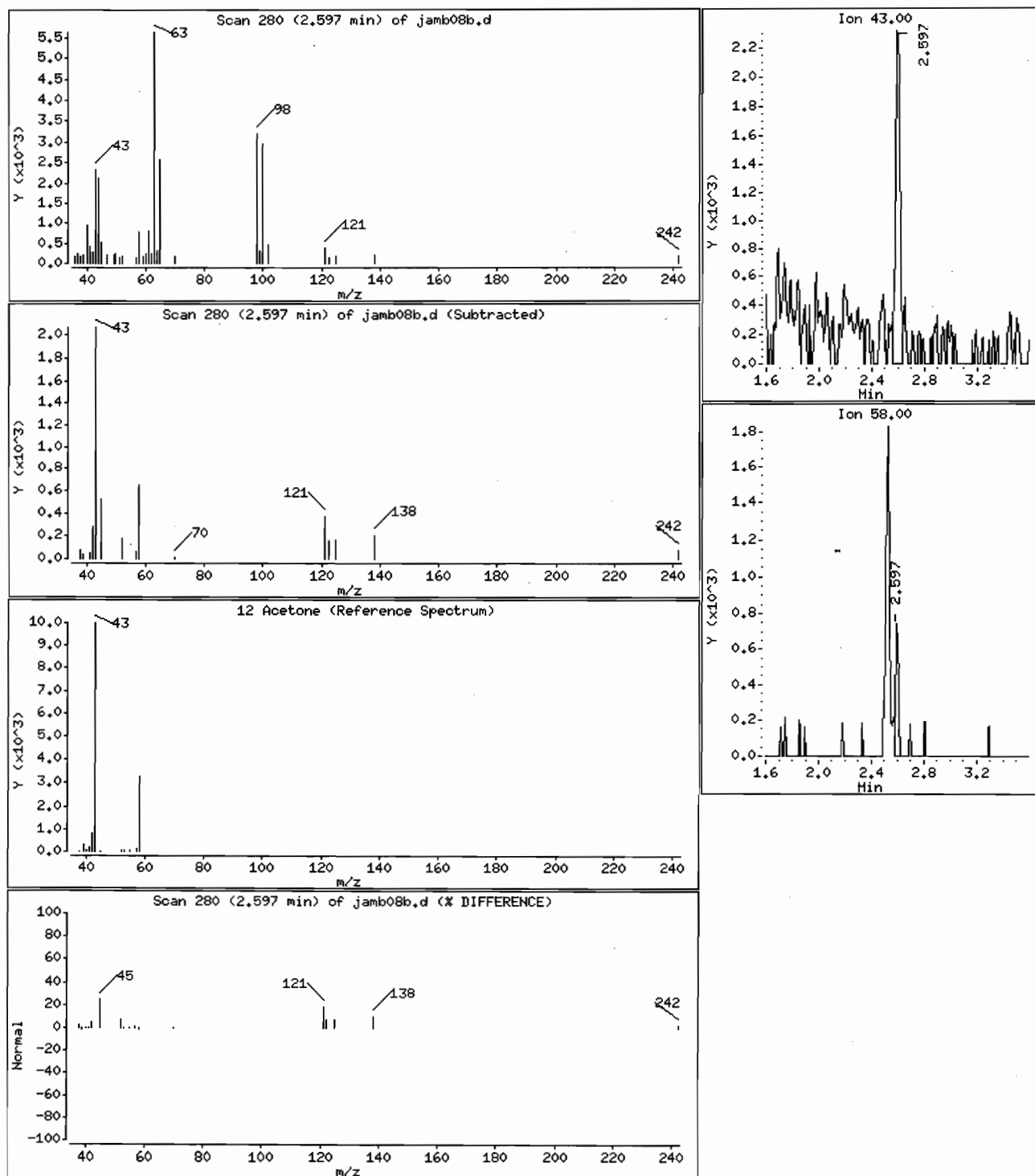
Column diameter: 0.53

Purge Volume: 25.0

Column phase: DB-624

12 Acetone

Concentration: 1.1 ug/L



Date : 24-MAR-2010 16:42

Client ID: VIBLKJD

Instrument: J.i

Sample Info: JAMB08B

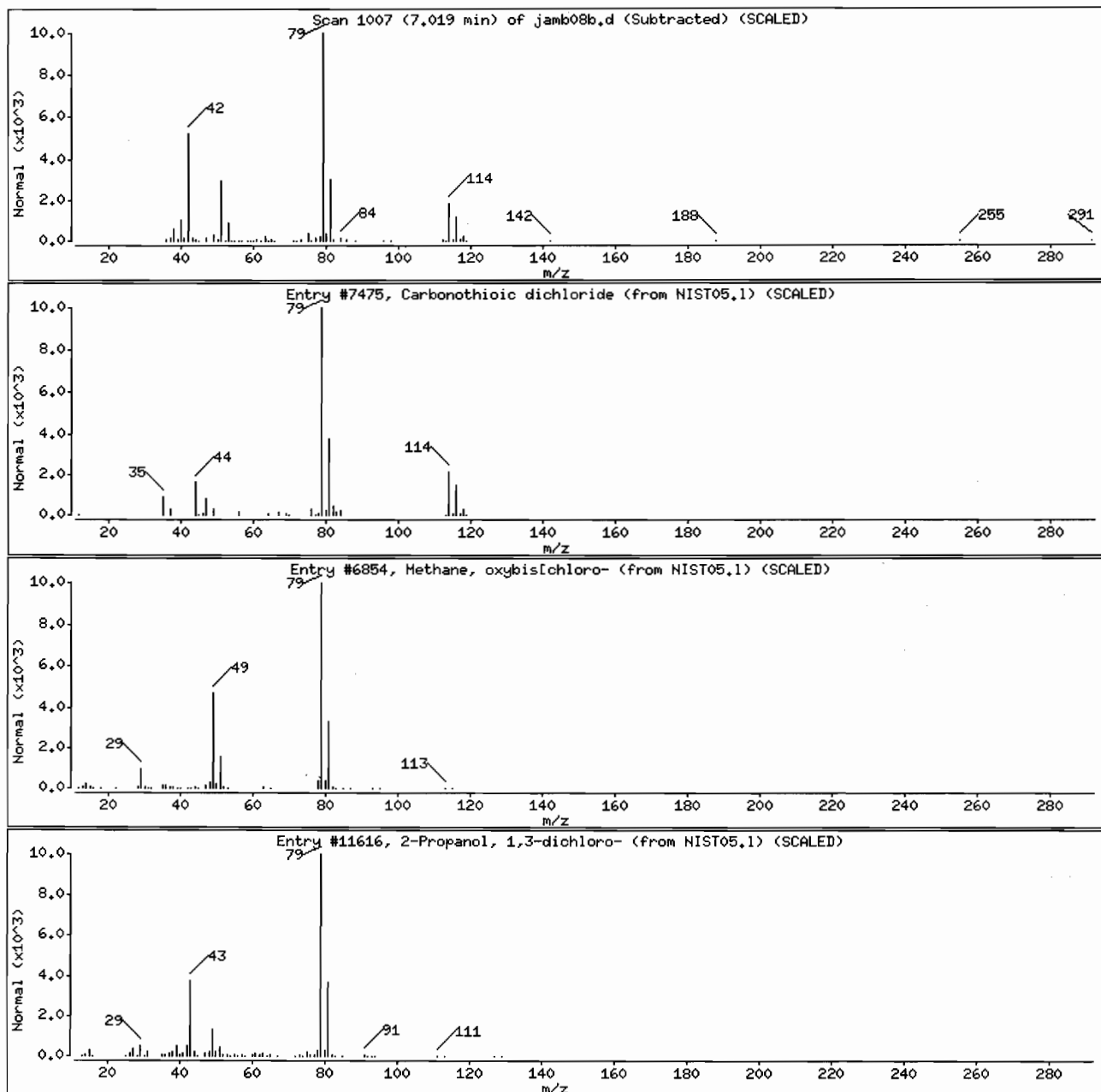
Purge Volume: 25.0

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	49	CCl ₂ S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	25	C ₂ H ₄ Cl ₂ O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128





Sample Preparation – SOM01.2 Volatiles – Trace

TestAmerica Burlington - Manual Integration Summary
SDG: 136424 Fraction: Volatile

Lab Sample ID	Client Sample ID		Sample Type	Inst.	Column	Manual Integration Flag		Date-Time	Sign-Off
	Peak RT	Compound				Analysis Date	Filename		
VSTD0.5MI	VSTD0.5MI 5.075	INT. CALIB. Methyl acetate	M	DB-624	17-MAR-2010 13:32	MBE005V	JPD 03/25/10	mtp 03/17/10 16:05	
823197	D31.5HIGH 5.668	SAMPLE Methyl tert-butyl ether	M	DB-624	21-MAR-2010 17:43	823197D	JPD 03/25/10	jd1 03/24/10 20:59	
823196	D31.5MED 5.683	SAMPLE Methyl tert-butyl ether	M	DB-624	21-MAR-2010 19:17	823196		jd1 03/24/10 21:00	

TestAmerica Burlington - Manual Integration Summary
SDG: 136424 Fraction: Volatile

==== Instrument J - No Manual Integrations =====

JPD 08/25/10

TestAmerica Burlington - Manual Integration Summary
SDG: mbesmtr Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename	Manual Integration Flag			Analyst	Date-Time	Sign-Off
							Compound					

VSTD0.5MI VSTD0.5MI INIT. CALIB. M DB-624 17-MAR-2010 13:32 MBE005V
5.075 Methyl acetate MI1 - POOR automated baseline mtp 03/17/10 16:05 MP 3/22/10

TestAmerica Burlington - Manual Integration Summary
SDG: jamsmr Fraction: Volatile

==== Instrument J - No Manual Integrations =====

JFD 03/25/10

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks	
Batch ID:	MBSMTR	BFB Lot#	MV12100901	Instrument:	HP5971	Instrument ID:	M
Test Method:	SMTRACE	ISTD Lot #:	MY03081003	Column Type:	Capillary	☐ Internal Standard Response ☐ RT & Ratios Updated ☐ Batch MS/MSD was not performed due to insufficient sample volume	
ICAL Date:	3/17/10	Surrogate Lot #	MY02261001	Purge Volume:	☒ 5 mL ☐ 10 mL	☒ 25 mL	
Start Date:	3/17/10	CAL STD Lot #	MV03111001				
End Date:	3/18/10	LCS/MS Lot #					

[illegible]

Legend: C=Complete ■ R=Reanalyze ■ = High ■ ↓ = Low ■ ✓=Reviewed and Acceptable

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[illegible]

Legend: C=Complete ■ R=Reanalyze ■ = High ■ ↓= Low ■ √=Reviewed and Acceptable

Sequence			Standard Traceability		Instrument Information		Instrument Performance Checks	
Batch ID:	BFB Lot #	Wt (g)	ISTD Lot #	Surrogate Lot #	Surrogate Lot #	Instrument ID: M	Tune STD	RF Summary
Test Method:	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Instrument ID: M	Internal Standard Response	RT & Ratios Updated
ICAL Date:	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Instrument ID: M	Internal Standard Response	RT & Ratios Updated
Start Date:	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Instrument ID: M	Internal Standard Response	RT & Ratios Updated
End Date:	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Wt (g)	Instrument ID: M	Internal Standard Response	RT & Ratios Updated
0812	MBE08RV	136424	MBE08RV	136424	136424	MBE08RV	136424	136424
0840	MBE08IF	136424	MBE08IF	136424	136424	MBE08IF	136424	136424
0912	MBE05FV	136424	MBE05FV	136424	136424	MBE05FV	136424	136424
0943	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1015	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1111	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1159	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1234	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1305	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1331	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1408	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1440	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1511	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1543	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1614	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1646	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1718	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1749	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1822	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1853	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
1925	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424
2012	MBE08ZF	136424	MBE08ZF	136424	136424	MBE08ZF	136424	136424

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ✓=Reviewed and Accepted

GC/MS VOA INSTRUMENT RUN LOG

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks		
Batch ID:	JAMSMT	BFB Lot#	MV12100901	Instrument:	HP5973	Instrument ID:	J	SSK	Tune STD	☐	RF Summary
Test Method:	Trace	ISTD Lot#:	MV03231001	Column Type:	Capillary RTX-624			☐	Internal Standard Response		
ICAL Date:	3/23/10	Surrogate Lot #	MV02261001	Purge Volume:	☐ 5 mL ☐ 10 mL ☒ 25 mL			☐	RT & Ratios Updated		
Start Date:	3/23/10	CAL STD Lot #	MV03111001					☐	Batch MS/MSD was not performed due to insufficient sample volume		
End Date:	3/24/10	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		
1405	JAM01PV ↓ 02PV	BFB JQ	NA	7	MTP				MTP	ICAL checklist ✓	
1403	JAM000SV	VSTD0.5JQ							JP1	torb benz 21.475%, RSD	
1443	001V	001JQ									
1742	005V	005JQ									
1812	010V	010JQ									
1841	020V	020JQ									
1910	B01	Blank									
1940	↓ B02	VBIKJQ									
03/23/10											

BR-FVM042:12.07.09:0

Legend: C=

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High ■ Low ✓=Reviewed and Acceptable

22 03/23/10

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: JAMB SMIR	BFB Lot# MU 12102901	Instrument: HP5973 Instrument ID: J	☒ Tune STD ☒ RF Summary
Test Method: SOM TRACE	ISTD Lot #: MV 03231001	Column Type: Capillary RTX-624	☐ Internal Standard Response
ICAL Date: 3/23/0	Surrogate Lot # MV 02261001	Purge Volume: ☐ 5 mL ☒ 10 mL ☒ 25 mL	☐ RT & Ratios Updated
Start Date: 3/24/0 Time: 0858	CAL STD Lot # MV 03110001		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 3/24/0 Time: 2058	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	
0858	JAM04PV	5FBJR			JH	✓		✓	JH
0937	JAM001B	LABK				✓	✓	✓	
1006	JAM005BV	VSTD05JR				✓	✓	✓	
	~~JAM002B~~	~~LABK~~							
1035	JAM0005DZ	VBJJR			MTP	✓	✓	↑	
1200	JAM003B	VBJJR			JH	✓	✓	✓	
1317	JAM004B	VBJJR	A3	1007.		✓	✓	✓	More conc.
1346	JAM005D	VBJJR	A3	A3		✓	✓	✓	
1445	823199	136424	A3	1007.		✓	✓	✓	More conc.
1445	JAM006B	VBJJR	A3	A3		✓	✓	✓	More conc.
1514	823195D2	136424	A3	A 8 mL		✓	✓	✓	More conc.
1544	JAM007B	VBJJR	-	-		✓	✓	✓	More conc.
1613	823202D2	136424	A3	8.1 mL		✓	✓	✓	More conc.
1647	JAM008B	VBJJR	-	-		✓	✓	✓	More conc.
1711	823204	136424	A1	1007.	JH	✓	✓	✓	VH Back
1740	JAM05BC1	VSTD05RJ	NA			✓	✓	✓	Good for chgs
1825	JAM15AL				JH	✓	✓	✓	

BR-FVM042:12.07.09:0
TestAmerica

Legend: C=Complete ■ R=Reanalyze ■ = High ■ ↓ = Low ■ ✓ = Reviewed and Acceptable

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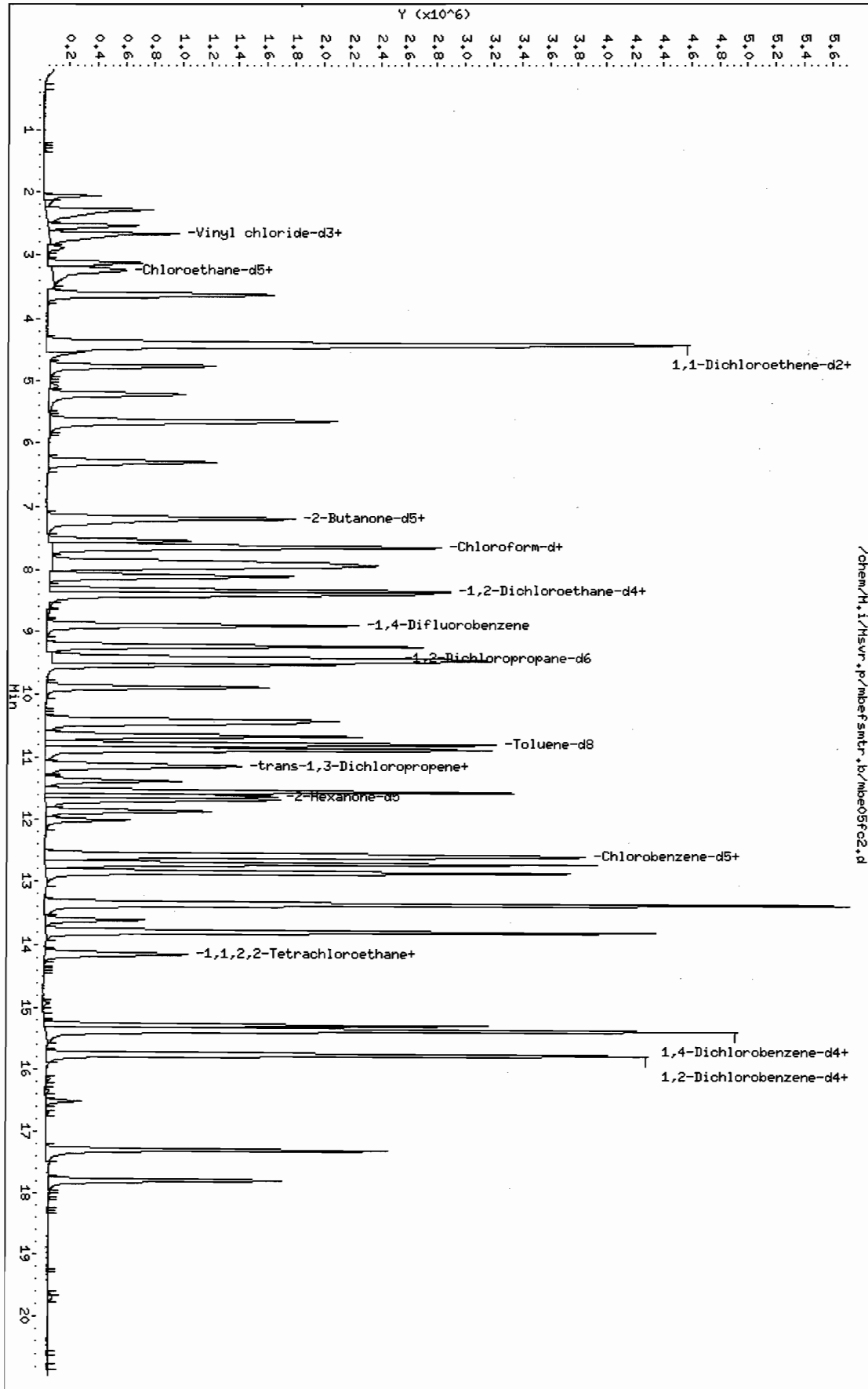
VOLATILE WATER SAMPLE PRESERVATION LOG

Date	Analyst	SDG	ETR	Lab ID	Bottle Code	pH (pH units)	Test Method	Hold Time (days)
3-18-10	J. J.	136402	136402	823049	A1	< 2	8260B LW	3-31
				050				
				051				
				052				
3-19-10	J. J.	136424	136424	823189	A1	< 2	SOMGL2 TR	3-25 ⁶
				190				
				191				
				192				
				193				
				194				
				195				
				196				
				197				
				198				
				199				
				200				
				201				
				202				
				203				
				204	A1	< 2		

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).

Data File: /chem/H.i/Hsvr.p/mbe/smr.b/mbe05f02.d
Date: 22-MAR-2010 20:12
Client ID: VSTD005PH2
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/mbefsmtr.b/mbe05fc2.d
Lab Smp Id: VSTD005PM2 Client Smp ID: VSTD005PM2
Inj Date : 22-MAR-2010 20:12
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VSTD005PM,032210MP,1,5
Comment :
Method : /chem/M.i/Msvr.p/mbefsmtr.b/somtr4.m
Meth Date : 25-Mar-2010 10:40 jdl Quant Type: ISTD
Cal Date : 17-MAR-2010 15:39 Cal File: mbe20v.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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		2.282	2.282	(0.256)	2107481	5.00000	5.8
2 Chloromethane	50		2.539	2.539	(0.285)	1390775	5.00000	5.6
\$ 3 Vinyl chloride-d3	65		2.658	2.658	(0.298)	1361738	5.00000	5.4
4 Vinyl chloride	62		2.668	2.668	(0.300)	1447174	5.00000	5.5
5 Bromomethane	94		3.123	3.123	(0.351)	1108225	5.00000	5.3
\$ 6 Chloroethane-d5	69		3.222	3.222	(0.362)	1105137	5.00000	5.3
7 Chloroethane	64		3.261	3.261	(0.366)	910608	5.00000	5.6
8 Trichlorofluoromethane	101		3.617	3.617	(0.406)	2918000	5.00000	5.7
\$ 9 1,1-Dichloroethene-d2	63		4.398	4.398	(0.494)	3383929	5.00000	5.6
10 1,1-Dichloroethene	96		4.418	4.418	(0.496)	1233131	5.00000	5.3
11 1,1,2-Trichloro-1,2,2-trifluo	101		4.418	4.418	(0.496)	2619161	5.00000	5.3
12 Acetone	43		4.556	4.556	(0.512)	478957	50.0000	57
13 Carbon disulfide	76		4.764	4.764	(0.535)	3610436	5.00000	5.1
14 Methyl acetate	43		5.090	5.090	(0.571)	206901	5.00000	7.6

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
15 Methylene chloride	84	5.219	5.219	(0.586)	872701	5.00000	5.7
16 trans-1,2-Dichloroethene	96	5.654	5.654	(0.635)	1349496	5.00000	5.3
17 Methyl tert-butyl ether	73	5.684	5.684	(0.638)	1131222	5.00000	6.2
18 1,1-Dichloroethane	63	6.317	6.317	(0.709)	2793037	5.00000	5.7
\$ 19 2-Butanone-d5	46	7.167	7.167	(0.805)	1165261	50.0000	72
20 cis-1,2-Dichloroethene	96	7.187	7.187	(0.807)	1187164	5.00000	5.5
21 2-Butanone	43	7.256	7.256	(0.815)	1113481	50.0000	73
22 Bromochloromethane	128	7.533	7.533	(0.846)	432462	5.00000	5.4
\$ 23 Chloroform-d	84	7.622	7.622	(0.856)	2577616	5.00000	6.0
24 Chloroform	83	7.651	7.651	(0.859)	2449595	5.00000	5.9
25 1,1,1-Trichloroethane	97	7.879	7.879	(0.627)	2501752	5.00000	5.2
26 Cyclohexane	56	7.948	7.948	(0.633)	2392101	5.00000	5.3
27 Carbon tetrachloride	117	8.106	8.106	(0.646)	2274333	5.00000	5.0
\$ 28 1,2-Dichloroethane-d4	65	8.334	8.334	(0.936)	809139	5.00000	7.1
\$ 29 Benzene-d6	84	8.344	8.344	(0.664)	3468395	5.00000	5.1
30 Benzene	78	8.393	8.393	(0.668)	3398205	5.00000	5.1
31 1,2-Dichloroethane	62	8.433	8.433	(0.947)	945571	5.00000	6.8
* 32 1,4-Difluorobenzene	114	8.907	8.907	(1.000)	3195526	5.00000	
33 Trichloroethene	95	9.243	9.243	(0.736)	1803744	5.00000	5.4
\$ 34 1,2-Dichloropropane-d6	67	9.431	9.431	(0.751)	1790837	5.00000	5.4
35 Methylcyclohexane	55	9.471	9.471	(0.754)	2214081	5.00000	5.6
36 1,2-Dichloropropane	63	9.540	9.540	(0.760)	1381253	5.00000	5.6
37 Bromodichloromethane	83	9.896	9.896	(0.788)	1899406	5.00000	5.8
38 cis-1,3-Dichloropropene	75	10.450	10.450	(0.832)	1598270	5.00000	5.7
39 4-Methyl-2-pentanone	43	10.648	10.648	(0.848)	3594570	50.0000	68
\$ 40 Toluene-d8	98	10.776	10.776	(0.858)	3760733	5.00000	5.1
41 Toluene	91	10.855	10.855	(0.865)	3994835	5.00000	5.3
\$ 42 trans-1,3-Dichloropropene-d4	79	11.102	11.102	(0.884)	987309	5.00000	5.7
43 trans-1,3-Dichloropropene	75	11.132	11.132	(0.887)	1067981	5.00000	5.9
44 1,1,2-Trichloroethane	97	11.369	11.369	(0.905)	555037	5.00000	5.5
45 Tetrachloroethene	164	11.538	11.538	(0.919)	1508193	5.00000	4.7
\$ 46 2-Hexanone-d5	63	11.607	11.607	(0.924)	1174696	50.0000	58
47 2-Hexanone	43	11.666	11.666	(0.929)	2416142	50.0000	68
48 Dibromochloromethane	129	11.854	11.854	(0.944)	1060111	5.00000	5.4
49 1,2-Dibromoethane	107	12.002	12.002	(0.956)	788067	5.00000	5.3
* 50 Chlorobenzene-d5	117	12.556	12.556	(1.000)	2644609	5.00000	
51 Chlorobenzene	112	12.586	12.586	(1.002)	2735016	5.00000	4.9
52 Ethylbenzene	91	12.704	12.704	(1.012)	5291581	5.00000	5.3
53 m,p-Xylene	106	12.853	12.853	(1.024)	2011641	5.00000	4.9
54 Styrene	104	13.357	13.357	(1.064)	2725730	5.00000	5.2
55 o-Xylene	106	13.337	13.337	(1.062)	1769941	5.00000	5.0
56 Bromoform	173	13.604	13.604	(0.887)	590357	5.00000	4.7
57 Isopropylbenzene	105	13.782	13.782	(1.098)	5996318	5.00000	5.0
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	14.118	14.118	(1.124)	703900	5.00000	5.6
59 1,1,2,2,2-Tetrachloroethane	83	14.148	14.148	(1.127)	695146	5.00000	5.6
60 1,3-Dichlorobenzene	146	15.275	15.275	(0.995)	2201613	5.00000	4.7
* 61 1,4-Dichlorobenzene-d4	152	15.345	15.345	(1.000)	1438690	5.00000	

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.364	15.364	(1.001)	2295150	5.00000	4.7
\$ 63 1,2-Dichlorobenzene-d4	152	15.740	15.740	(1.026)	1089074	5.00000	4.6
64 1,2-Dichlorobenzene	146	15.760	15.760	(1.027)	1643578	5.00000	4.7
65 1,2-Dibromo-3-chloropropane	75	16.511	16.511	(1.076)	108360	5.00000	5.2
66 1,2,4-Trichlorobenzene	180	17.293	17.293	(1.127)	1301713	5.00000	4.3
67 1,2,3-Trichlorobenzene	180	17.787	17.787	(1.159)	934769	5.00000	4.4

Data File: /chem/M.i/Msvr.p/mbefsmtr.b/mbe05fc2.d
Report Date: 25-Mar-2010 10:40

Page 1

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: M.i Injection Date: 22-MAR-2010 20:12
Lab File ID: mbe05fc2.d Init. Cal. Date(s): 17-MAR-2010 17-MAR-2010
Analysis Type: WATER Init. Cal. Times: 13:32 15:39
Lab Sample ID: VSTD005PM2 Quant Type: ISTD
Method: /chem/M.i/Msvr.p/mbefsmtr.b/somtr4mbeCL.m

COMPOUND	RRF / AMOUNT	RF5	MIN	MAX	CURVE TYPE
			RRF	%D / %DRIFT	
1 Dichlorodifluoromethane	0.56853	0.65951	0.010	-16.00194	Averaged
2 Chloromethane	0.39118	0.43523	0.010	-11.25972	Averaged
\$ 3 Vinyl chloride-d3	0.39173	0.42614	0.010	-8.78267	Averaged
4 Vinyl chloride	0.40969	0.45288	0.010	-10.54058	Averaged
5 Bromomethane	0.32680	0.34681	0.010	-6.12134	Averaged
\$ 6 Chloroethane-d5	0.32789	0.34584	0.010	-5.47323	Averaged
7 Chloroethane	0.25667	0.28496	0.010	-11.02283	Averaged
8 Trichlorofluoromethane	0.79708	0.91315	0.010	-14.56154	Averaged
\$ 9 1,1-Dichloroethene-d2	0.93814	1.05896	0.010	-12.87855	Averaged
10 1,1-Dichloroethene	0.36636	0.38589	0.010	-5.33181	Averaged
11 1,1,2-Trichloro-1,2,2-trifl	0.77337	0.81963	0.010	-5.98247	Averaged
12 Acetone	0.01322	0.01499	0.010	-13.38226	Averaged
13 Carbon disulfide	1.10980	1.12984	0.010	-1.80543	Averaged
14 Methyl acetate	0.04237	0.06475	0.010	-52.81031	Averaged
15 Methylene chloride	0.23935	0.27310	0.010	-14.10303	Averaged
16 trans-1,2-Dichloroethene	0.39985	0.42231	0.010	-5.61779	Averaged
17 Methyl tert-butyl ether	0.28542	0.35400	0.010	-24.03042	Averaged
18 1,1-Dichloroethane	0.76724	0.87405	0.010	-13.92128	Averaged
\$ 19 2-Butanone-d5	0.02527	0.03647	0.010	-44.30026	Averaged
20 cis-1,2-Dichloroethene	0.33695	0.37151	0.010	-10.25631	Averaged
21 2-Butanone	0.02373	0.03484	0.010	-46.85523	Averaged
22 Bromochloromethane	0.12533	0.13533	0.010	-7.98417	Averaged
\$ 23 Chloroform-d	0.67427	0.80663	0.010	-19.63077	Averaged
24 Chloroform	0.64577	0.76657	0.010	-18.70687	Averaged
25 1,1,1-Trichloroethane	0.90097	0.94598	0.010	-4.99612	Averaged
26 Cyclohexane	0.85789	0.90452	0.010	-5.43485	Averaged
27 Carbon tetrachloride	0.86401	0.85999	0.010	0.46502	Averaged
\$ 28 1,2-Dichloroethane-d4	0.17725	0.25321	0.010	-42.85598	Averaged
\$ 29 Benzene-d6	1.28109	1.31150	0.010	-2.37369	Averaged
30 Benzene	1.25152	1.28496	0.010	-2.67137	Averaged
31 1,2-Dichloroethane	0.21741	0.29590	0.010	-36.10750	Averaged
33 Trichloroethene	0.62952	0.68205	0.010	-8.34356	Averaged
\$ 34 1,2-Dichloropropane-d6	0.62230	0.67717	0.010	-8.81686	Averaged
35 Methylcyclohexane	0.75121	0.83721	0.010	-11.44796	Averaged
36 1,2-Dichloropropane	0.47042	0.52229	0.010	-11.02726	Averaged

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: M.i Injection Date: 22-MAR-2010 20:12
Lab File ID: mbe05fc2.d Init. Cal. Date(s): 17-MAR-2010 17-MAR-2010
Analysis Type: WATER Init. Cal. Times: 13:32 15:39
Lab Sample ID: VSTD005PM2 Quant Type: ISTD
Method: /chem/M.i/Msvr.p/mbefsmtr.b/somtr4mbeCL.m

COMPOUND	RRF / AMOUNT	RF5	MIN	MAX	CURVE TYPE
			RRF	%D / %DRIFT	
37 Bromodichloromethane	0.61625	0.71822	0.010	-16.54570	Averaged
38 cis-1,3-Dichloropropene	0.52758	0.60435	0.010	-14.55071	Averaged
39 4-Methyl-2-pentanone	0.09960	0.13592	0.010	-36.47034	Averaged
\$ 40 Toluene-d8	1.39523	1.42204	0.010	-1.92129	Averaged
41 Toluene	1.43144	1.51056	0.010	-5.52733	Averaged
\$ 42 trans-1,3-Dichloropropene-d	0.32623	0.37333	0.010	-14.43670	Averaged
43 trans-1,3-Dichloropropene	0.34250	0.40383	0.010	-17.90609	Averaged
44 1,1,2-Trichloroethane	0.19224	0.20987	0.010	-9.17336	Averaged
45 Tetrachloroethene	0.61313	0.57029	0.010	6.98643	Averaged
\$ 46 2-Hexanone-d5	0.03848	0.04442	0.010	-15.42020	Averaged
47 2-Hexanone	0.06763	0.09136	0.010	-35.09015	Averaged
48 Dibromochloromethane	0.37131	0.40086	0.010	-7.95655	Averaged
49 1,2-Dibromoethane	0.27901	0.29799	0.010	-6.80424	Averaged
51 Chlorobenzene	1.05398	1.03419	0.010	1.87768	Averaged
52 Ethylbenzene	1.90244	2.00089	0.010	-5.17508	Averaged
53 m,p-Xylene	0.77366	0.76066	0.010	1.68009	Averaged
54 Styrene	0.99627	1.03067	0.010	-3.45346	Averaged
55 o-Xylene	0.66982	0.66926	0.010	0.08377	Averaged
56 Bromoform	0.43409	0.41034	0.010	5.46959	Averaged
57 Isopropylbenzene	2.27578	2.26737	0.010	0.36947	Averaged
\$ 58 1,1,2,2-Tetrachloroethane-d	0.23609	0.26616	0.010	-12.73606	Averaged
59 1,1,2,2-Tetrachloroethane	0.23286	0.26285	0.010	-12.87902	Averaged
60 1,3-Dichlorobenzene	1.64485	1.53029	0.010	6.96450	Averaged
62 1,4-Dichlorobenzene	1.69297	1.59531	0.010	5.76883	Averaged
\$ 63 1,2-Dichlorobenzene-d4	0.82422	0.75699	0.010	8.15733	Averaged
64 1,2-Dichlorobenzene	1.21421	1.14241	0.010	5.91292	Averaged
65 1,2-Dibromo-3-chloropropane	0.07228	0.07532	0.010	-4.20706	Averaged
66 1,2,4-Trichlorobenzene	1.04040	0.90479	0.010	13.03441	Averaged
67 1,2,3-Trichlorobenzene	0.74482	0.64974	0.010	12.76635	Averaged

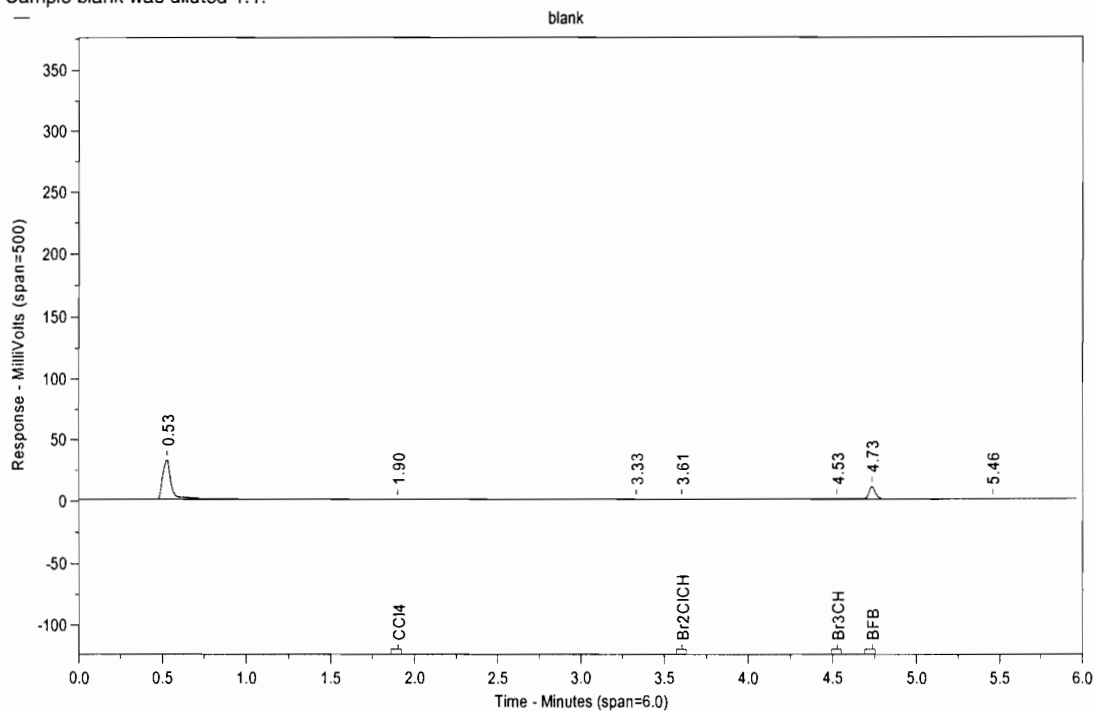
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE030910.0182.RAW

Acquired from Instrument 1 on 3/19/10 4:06:43 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	32903.64	4.53	Br3CH	0	69.79
1.90	CCl4	0	64.51	4.73	BFB	480	10143.89
3.33		0	7.81	5.46		0	26.83
3.61	Br2CICH	0	30.19				

Surrogate BFB recovery is 120.1%

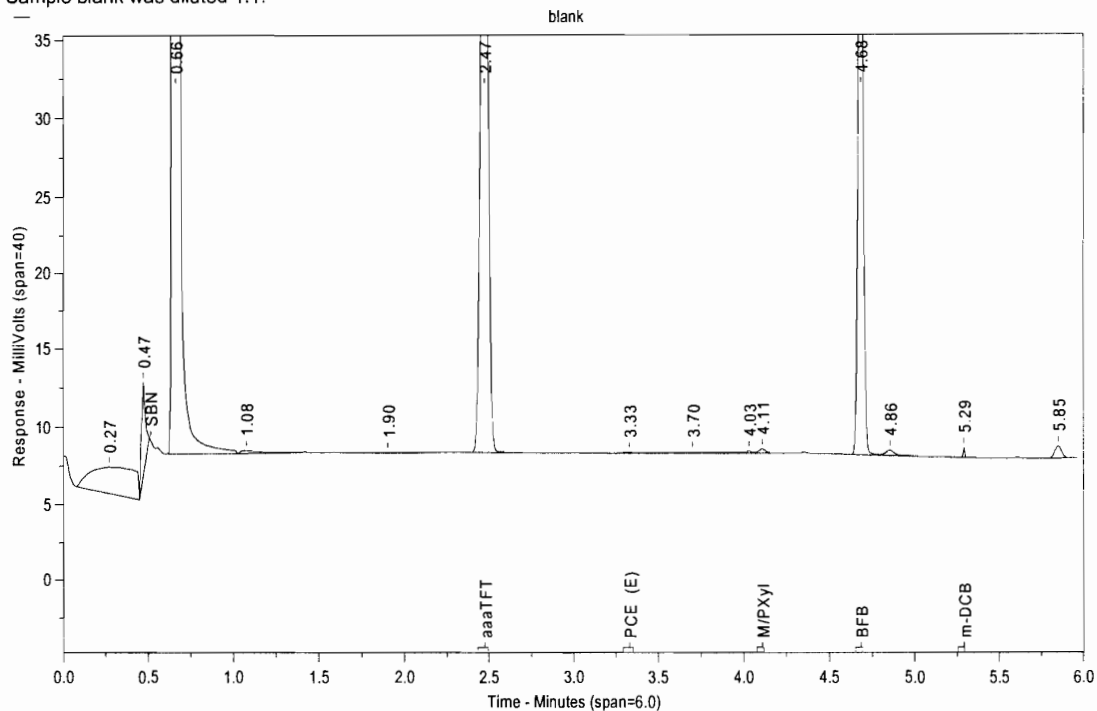
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF030910.0182.RAW

Acquired from Instrument 1 on 3/19/10 4:06:43 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1726.52	3.70		0	101.20
0.47		0	5804.65	4.03		0	140.23
0.66		0	669553.25	4.11	M/Pyxl	0	276.21
1.08		0	188.82	4.68	BFB	480	49263.79
1.90		0	48.08	4.86		0	353.10
2.47	aaaTFT	434	54731.59	5.29	m-DCB	5	645.77
3.33	PCE (E)	2	78.65	5.85		0	797.47

Surrogate aaaTFT recovery is 108.5%

Surrogate BFB recovery is 120.0%

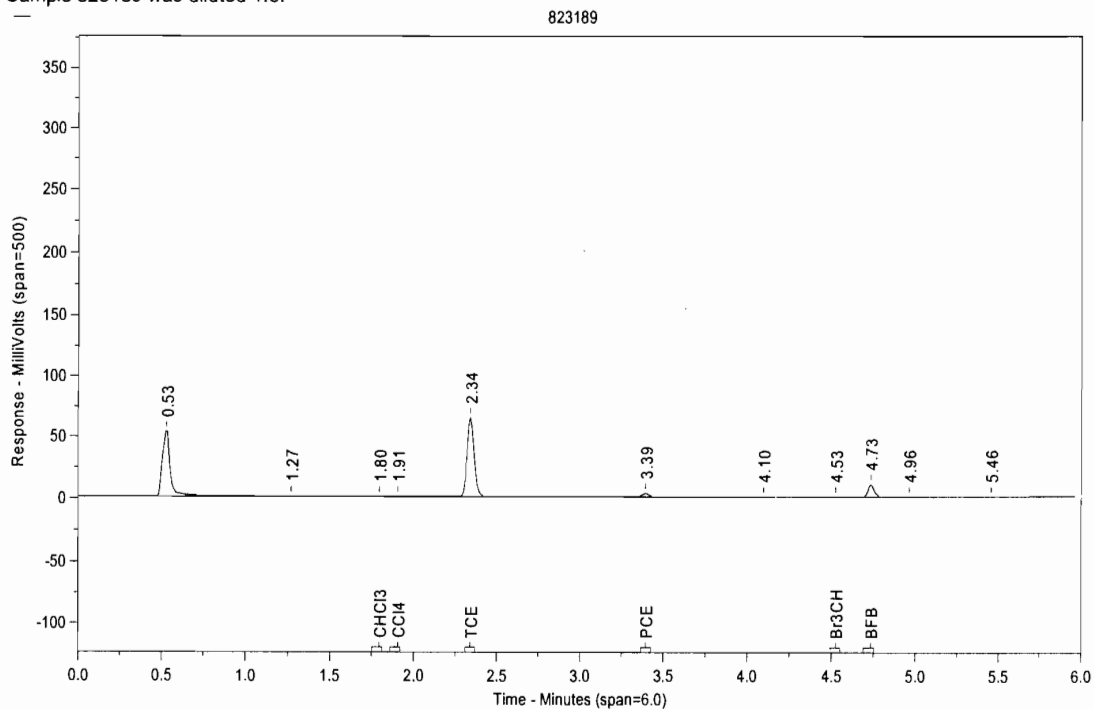
Chrom Perfect Chromatogram Report

Sample Name: 823189

Data File: C:\CPSpirit5\Data2\VoaE030910.0183.RAW

Acquired from Instrument 1 on 3/19/10 4:22:53 PM by

Sample 823189 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	54404.23	4.10		0	24.28
1.27		0	107.71	4.53	Br3CH	0	32.23
1.80	CHCl3	0	34.79	4.73	BFB	2296	9756.68
1.91	CCl4	0	82.93	4.96		0	20.62
2.34	TCE	736	64143.27	5.46		0	23.18
3.39	PCE	6	2792.51				

Surrogate BFB recovery is 114.8%

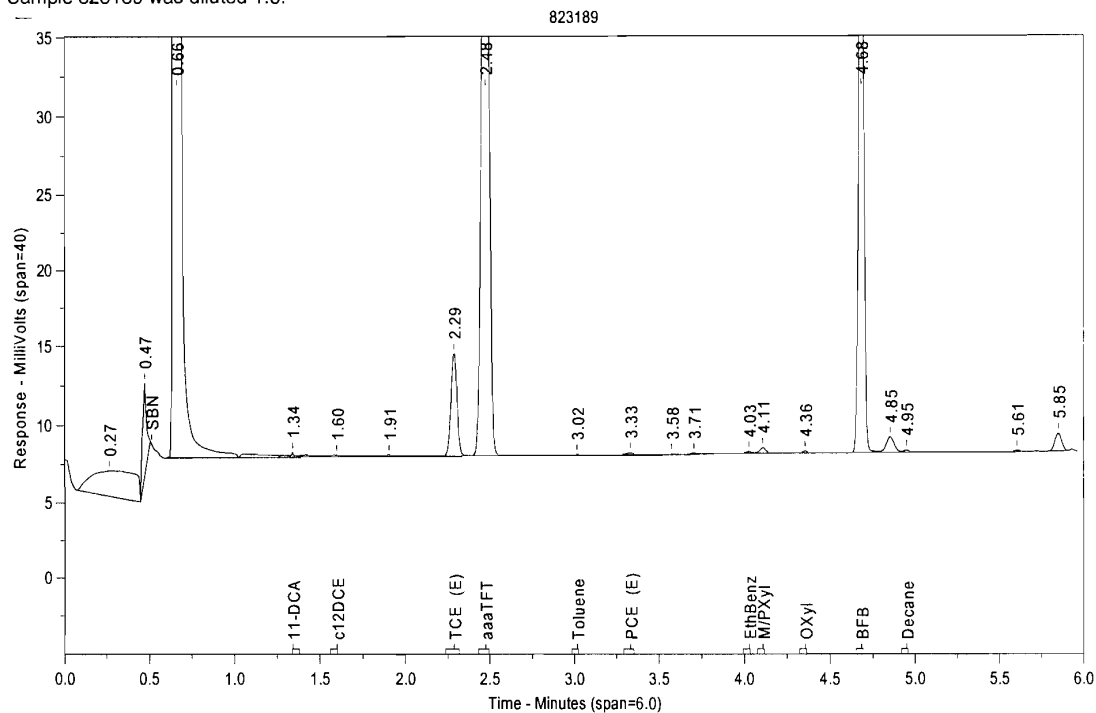
Chrom Perfect Chromatogram Report

Sample Name: 823189

Data File: C:\CPSpirit5\Data2\VoaF030910.0183.RAW

Acquired from Instrument 1 on 3/19/10 4:22:53 PM by

Sample 823189 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1643.34	3.58		0	49.78
0.47		0	5908.67	3.71		0	77.70
0.66		0	637053.13	4.03	EthBenz	1	113.32
1.34	11-DCA	25	299.87	4.11	M/PXyl	2	376.14
1.60	c12DCE	9	133.54	4.36	OXyl	1	136.28
1.91		0	114.21	4.68	BFB	2309	47390.56
2.29	TCE (E)	687	6665.90	4.85		0	1006.63
2.48	aaaTFT	2066	52096.48	4.95	Decane	3	145.82
3.02	Toluene	1	61.57	5.61		0	101.80
3.33	PCE (E)	13	142.53	5.85		0	1149.33

Surrogate aaaTFT recovery is 103.3%

Surrogate BFB recovery is 115.4%

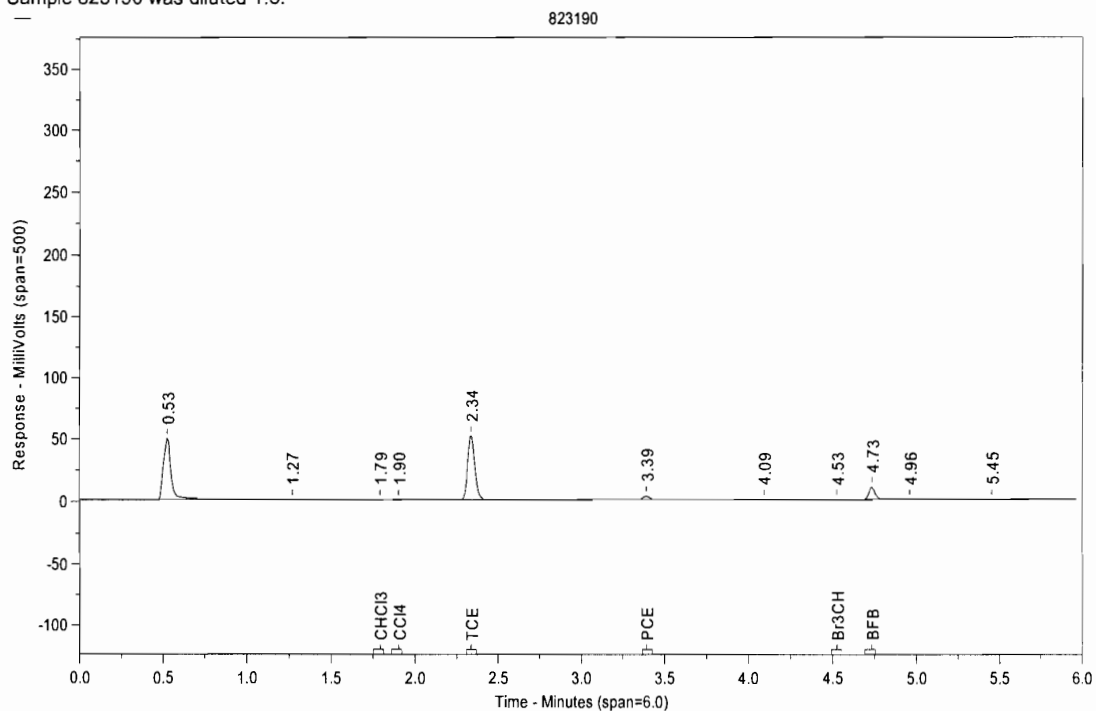
Chrom Perfect Chromatogram Report

Sample Name: 823190

Data File: C:\CPSpirit5\Data2\VoaE030910.0184.RAW

Acquired from Instrument 1 on 3/19/10 4:34:43 PM by

Sample 823190 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	49132.48	4.09		0	25.98
1.27		0	95.24	4.53	Br3CH	0	31.07
1.79	CHCl3	0	35.94	4.73	BFB	2347	9943.63
1.90	CCl4	0	85.67	4.96		0	24.63
2.34	TCE	580	51708.15	5.45		0	26.13
3.39	PCE	6	2740.42				

Surrogate BFB recovery is 117.3%

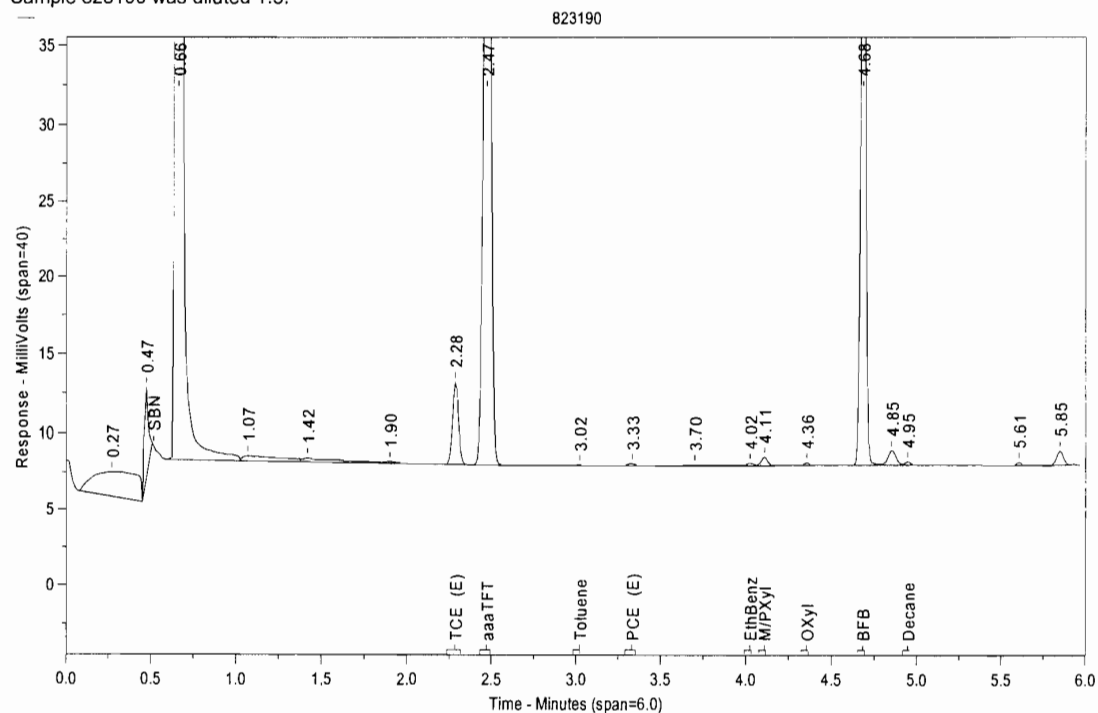
Chrom Perfect Chromatogram Report

Sample Name: 823190

Data File: C:\CPSpirit5\Data2\VoaF030910.0184.RAW

Acquired from Instrument 1 on 3/19/10 4:34:43 PM by

Sample 823190 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1634.29	3.70		0	90.61
0.47		0	5688.63	4.02	EthBenz	2	163.82
0.66		0	663870.75	4.11	M/PXyl	6	557.99
1.07		0	317.11	4.36	OXyl	1	171.75
1.42		0	272.41	4.68	BFB	2369	48629.69
1.90		0	116.26	4.85		0	959.20
2.28	TCE (E)	537	5210.11	4.95	Decane	4	226.52
2.47	aaaTFT	2107	53140.47	5.61		0	191.89
3.02	Toluene	1	50.91	5.85		0	903.73
3.33	PCE (E)	13	140.02				

Surrogate aaaTFT recovery is 105.4%

Surrogate BFB recovery is 118.4%

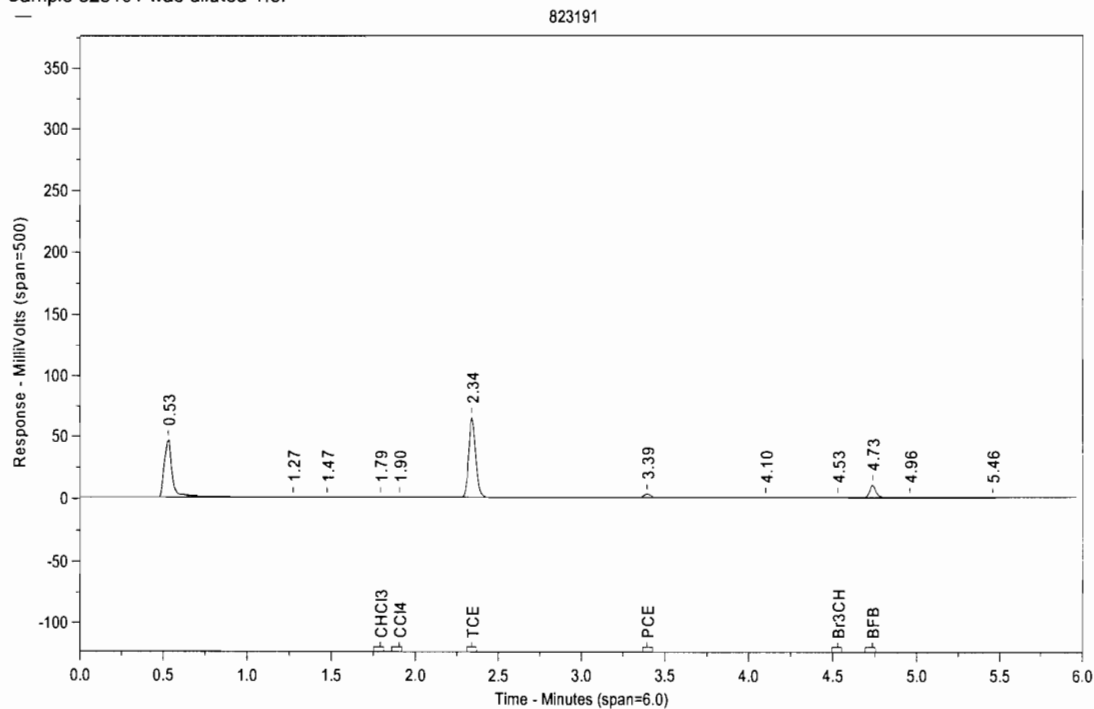
Chrom Perfect Chromatogram Report

Sample Name: 823191

Data File: C:\CPSpirit5\Data2\VoaE030910.0185.RAW

Acquired from Instrument 1 on 3/19/10 4:46:34 PM by

Sample 823191 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	46694.64	3.39	PCE	7	2798.41
1.27		0	78.69	4.10		0	22.89
1.47		0	41.45	4.53	Br3CH	0	29.52
1.79	CHCl3	0	37.23	4.73	BFB	2319	9841.90
1.90	CCl4	0	87.06	4.96		0	24.21
2.34	TCE	741	64529.11	5.46		0	25.65

Surrogate BFB recovery is 116.%

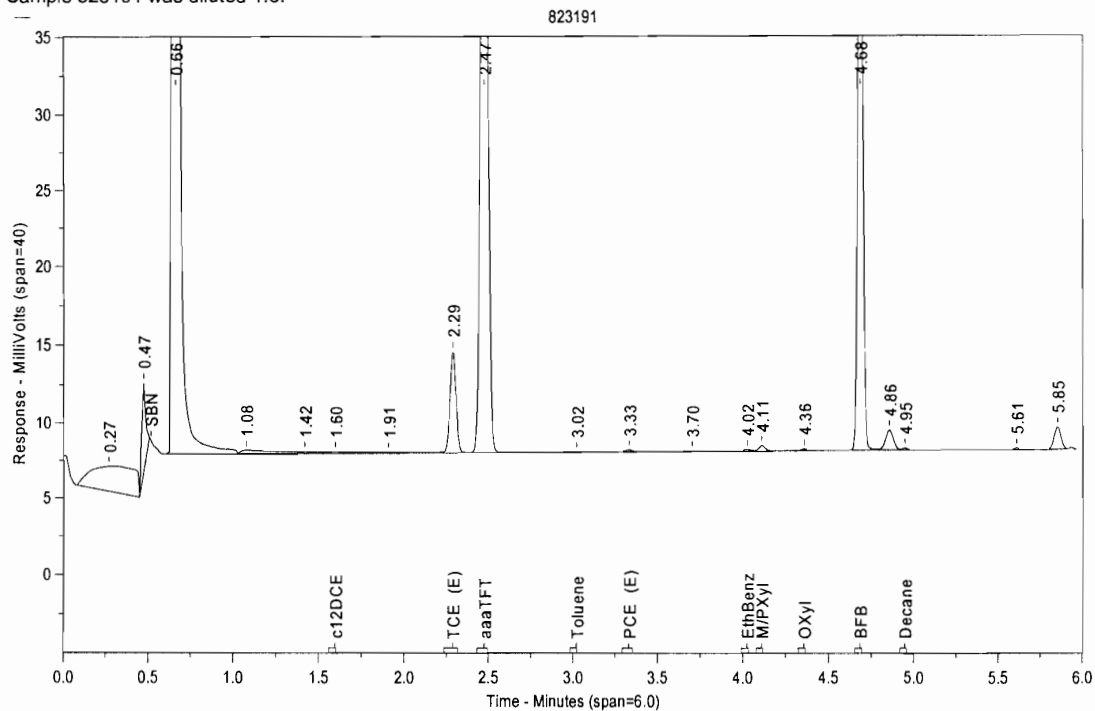
Chrom Perfect Chromatogram Report

Sample Name: 823191

Data File: C:\CPSpirit5\Data2\VoaF030910.0185.RAW

Acquired from Instrument 1 on 3/19/10 4:46:34 PM by

Sample 823191 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1653.39	3.33	PCE (E)	13	141.17
0.47		0	5849.90	3.70		0	85.89
0.66		0	638914.63	4.02	EthBenz	1	125.67
1.08		0	236.31	4.11	M/PyXyl	2	381.91
1.42		0	167.49	4.36	OXyl	0	117.83
1.60	c12DCE	9	133.73	4.68	BFB	2341	48051.29
1.91		0	101.09	4.86		0	1334.63
2.29	TCE (E)	692	6713.02	4.95	Decane	2	135.20
2.47	aaaTFT	2100	52963.04	5.61		0	136.59
3.02	Toluene	1	53.67	5.85		0	1485.12

Surrogate aaaTFT recovery is 105.%

Surrogate BFB recovery is 117.%

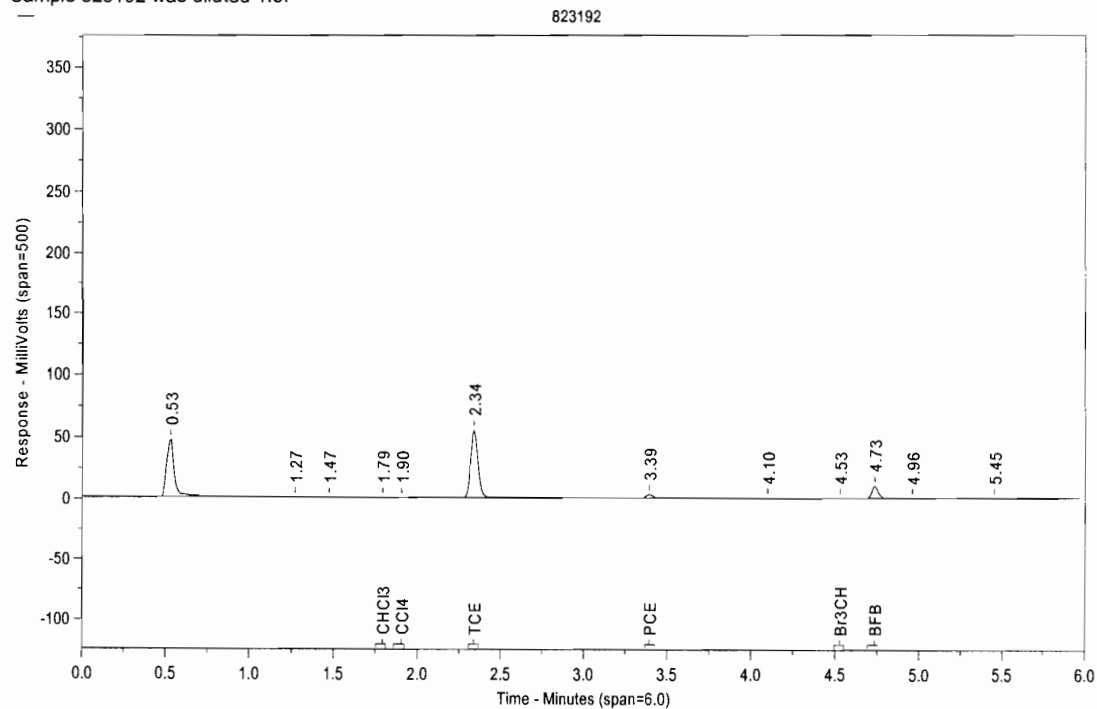
Chrom Perfect Chromatogram Report

Sample Name: 823192

Data File: C:\CPSpirit5\Data2\VoaE030910.0186.RAW

Acquired from Instrument 1 on 3/19/10 4:58:24 PM by

Sample 823192 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	47640.82	3.39	PCE	7	2800.07
1.27		0	99.34	4.10		0	24.11
1.47		0	51.52	4.53	Br3CH	0	28.49
1.79	CHCl3	0	35.68	4.73	BFB	2352	9961.92
1.90	CCl4	0	84.60	4.96		0	25.06
2.34	TCE	618	54774.24	5.45		0	26.15

Surrogate BFB recovery is 117.6%

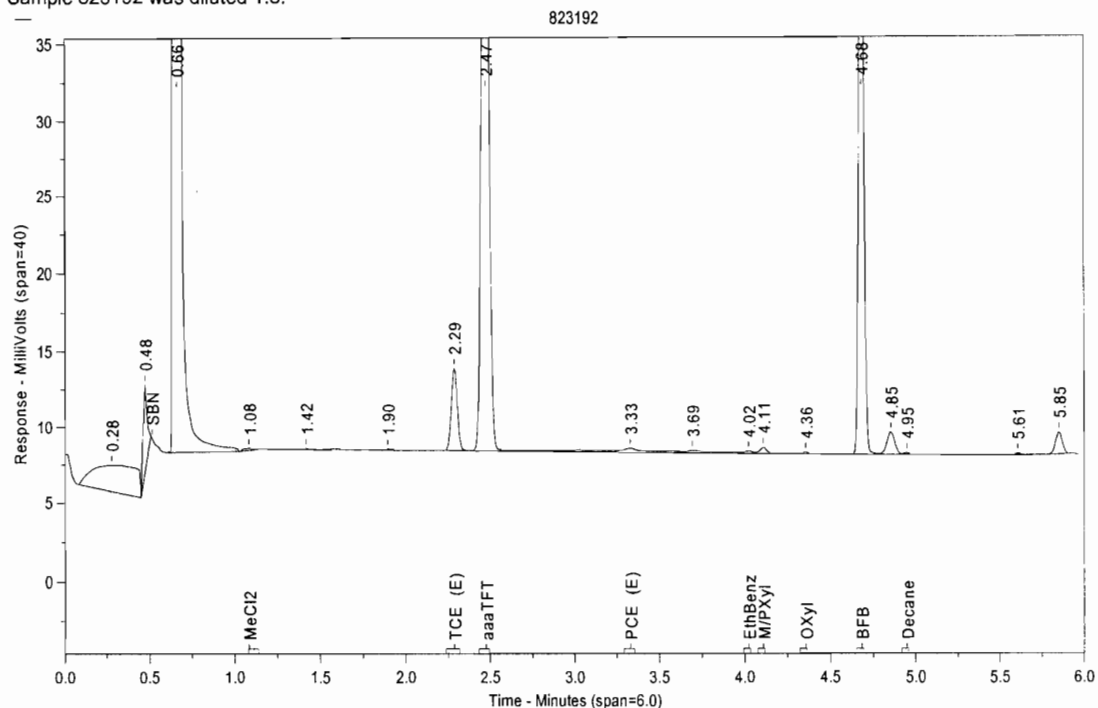
Chrom Perfect Chromatogram Report

Sample Name: 823192

Data File: C:\CPSpirit5\Data2\VoaF030910.0186.RAW

Acquired from Instrument 1 on 3/19/10 4:58:24 PM by

Sample 823192 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1707.36	3.69		0	163.80
0.48		0	5698.74	4.02	EthBenz	2	167.01
0.66		0	651987.31	4.11	M/Pyxl	3	420.48
1.08	MeCl2	-6	124.22	4.36	OXyl	1	135.24
1.42		0	93.54	4.68	BFB	2379	48837.56
1.90		0	73.30	4.85		0	1511.22
2.29	TCE (E)	571	5547.31	4.95	Decane	2	130.85
2.47	aaaTFT	2139	53948.95	5.61		0	99.24
3.33	PCE (E)	21	265.71	5.85		0	1471.53

Surrogate aaaTFT recovery is 107.%

Surrogate BFB recovery is 119.%

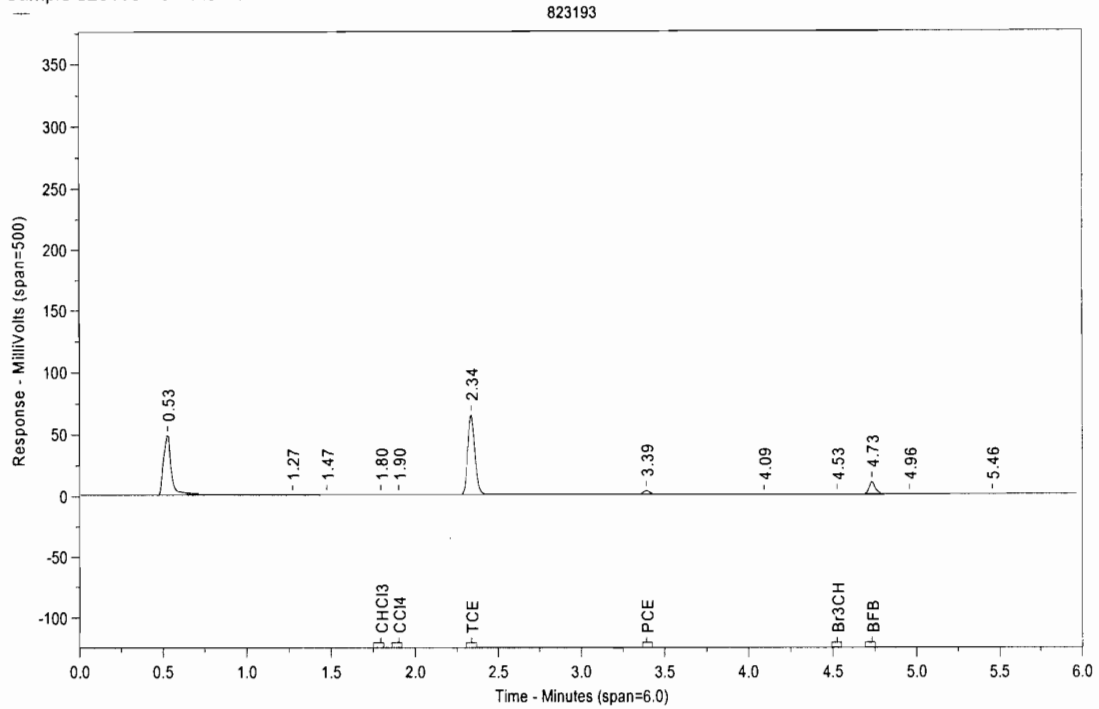
Chrom Perfect Chromatogram Report

Sample Name: 823193

Data File: C:\CPSpirit5\Data2\VoaE030910.0187.RAW

Acquired from Instrument 1 on 3/19/10 5:10:14 PM by

Sample 823193 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	48558.09	3.39	PCE	7	2854.68
1.27		0	114.51	4.09		0	24.47
1.47		0	51.62	4.53	Br3CH	0	34.30
1.80	CHCl3	0	36.52	4.73	BFB	2293	9745.81
1.90	CCl4	0	84.43	4.96		0	22.95
2.34	TCE	746	64939.44	5.46		0	25.22

Surrogate BFB recovery is 114.7%

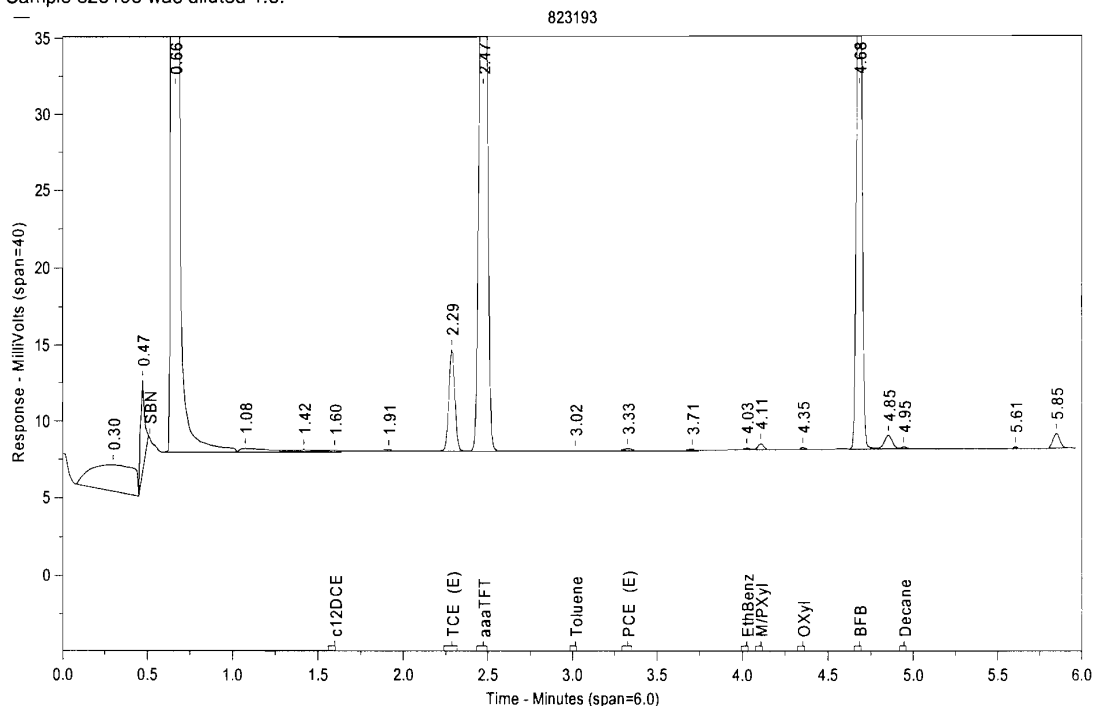
Chrom Perfect Chromatogram Report

Sample Name: 823193

Data File: C:\CPSPirit5\Data2\VoaF030910.0187.RAW

Acquired from Instrument 1 on 3/19/10 5:10:14 PM by

Sample 823193 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.30		0	1727.65	3.33	PCE (E)	13	144.16
0.47		0	5894.87	3.71		0	85.67
0.66		0	636356.94	4.03	EthBenz	1	107.21
1.08		0	246.01	4.11	M/PyXyl	2	391.90
1.42		0	191.91	4.35	Oxyl	1	131.40
1.60	c12DCE	9	134.24	4.68	BFB	2314	47508.69
1.91		0	115.87	4.85		0	885.22
2.29	TCE (E)	699	6782.80	4.95	Decane	2	137.65
2.47	aaaTFT	2087	52633.16	5.61		0	125.47
3.02	Toluene	1	53.25	5.85		0	954.48

Surrogate aaaTFT recovery is 104.4%

Surrogate BFB recovery is 115.7%

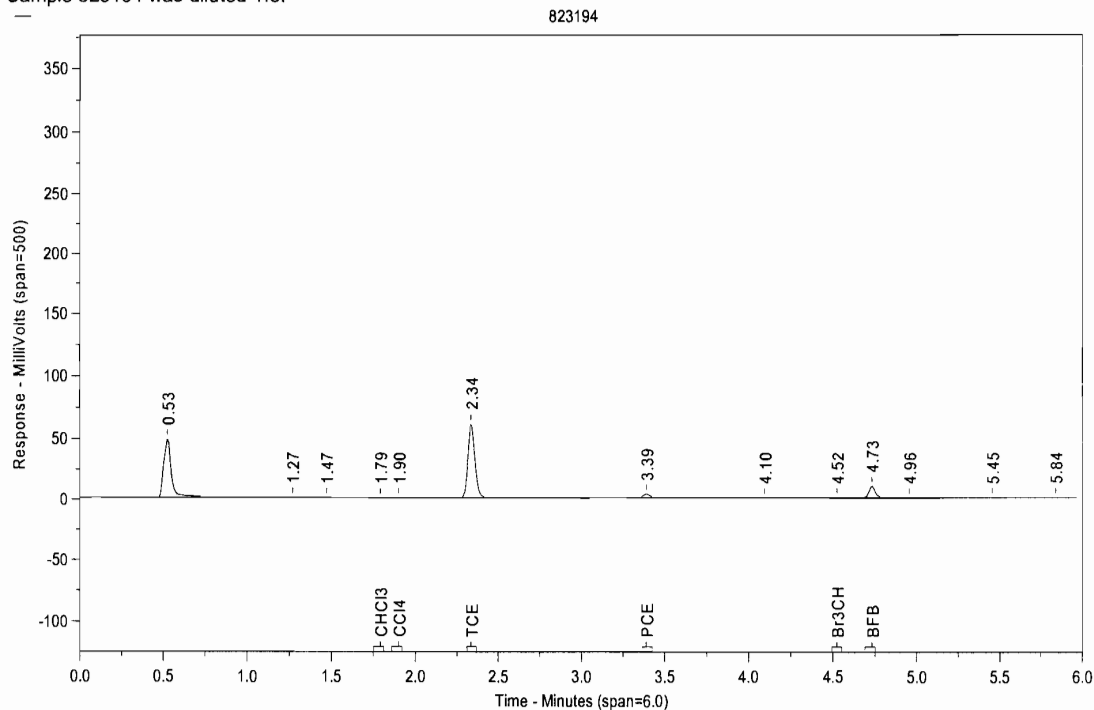
Chrom Perfect Chromatogram Report

Sample Name: 823194

Data File: C:\CPSpirit5\Data2\VoaE030910.0188.RAW

Acquired from Instrument 1 on 3/19/10 5:22:04 PM by

Sample 823194 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	48208.38	4.10		0	22.64
1.27		0	119.41	4.52	Br3CH	0	26.86
1.47		0	51.09	4.73	BFB	2237	9539.08
1.79	CHCl3	0	37.30	4.96		0	23.40
1.90	CCl4	0	85.79	5.45		0	26.52
2.34	TCE	699	61179.79	5.84		0	24.63
3.39	PCE	7	3074.15				

Surrogate BFB recovery is 111.9%

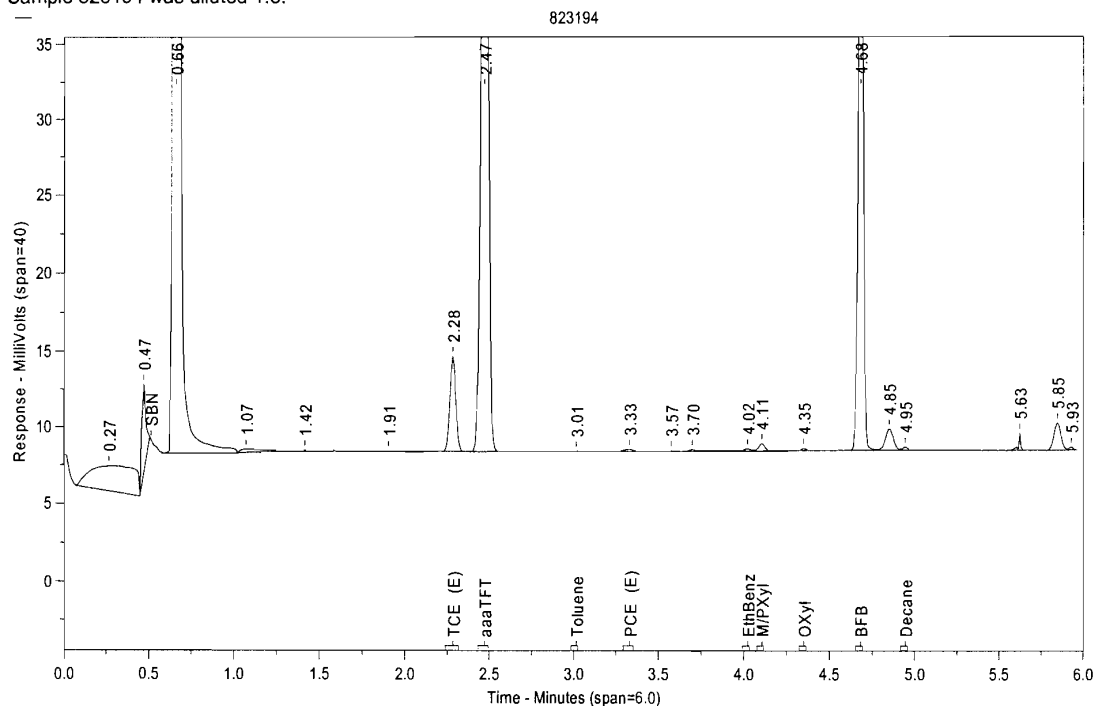
Chrom Perfect Chromatogram Report

Sample Name: 823194

Data File: C:\CPSpirit5\Data2\VoaF030910.0188.RAW

Acquired from Instrument 1 on 3/19/10 5:22:04 PM by

Sample 823194 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1612.29	3.70		0	113.51
0.47		0	5713.43	4.02	EthBenz	2	147.31
0.66		0	630431.00	4.11	M/PXyl	4	469.64
1.07		0	203.42	4.35	OXyl	1	139.69
1.42		0	85.17	4.68	BFB	2259	46370.72
1.91		0	60.98	4.85		0	1406.38
2.28	TCE (E)	649	6303.12	4.95	Decane	4	205.97
2.47	aaaTFT	2068	52136.43	5.63		0	1109.33
3.01	Toluene	1	47.92	5.85		0	1798.47
3.33	PCE (E)	13	146.53	5.93		0	172.74
3.57		0	41.90				

Surrogate aaaTFT recovery is 103.4%

Surrogate BFB recovery is 112.9%

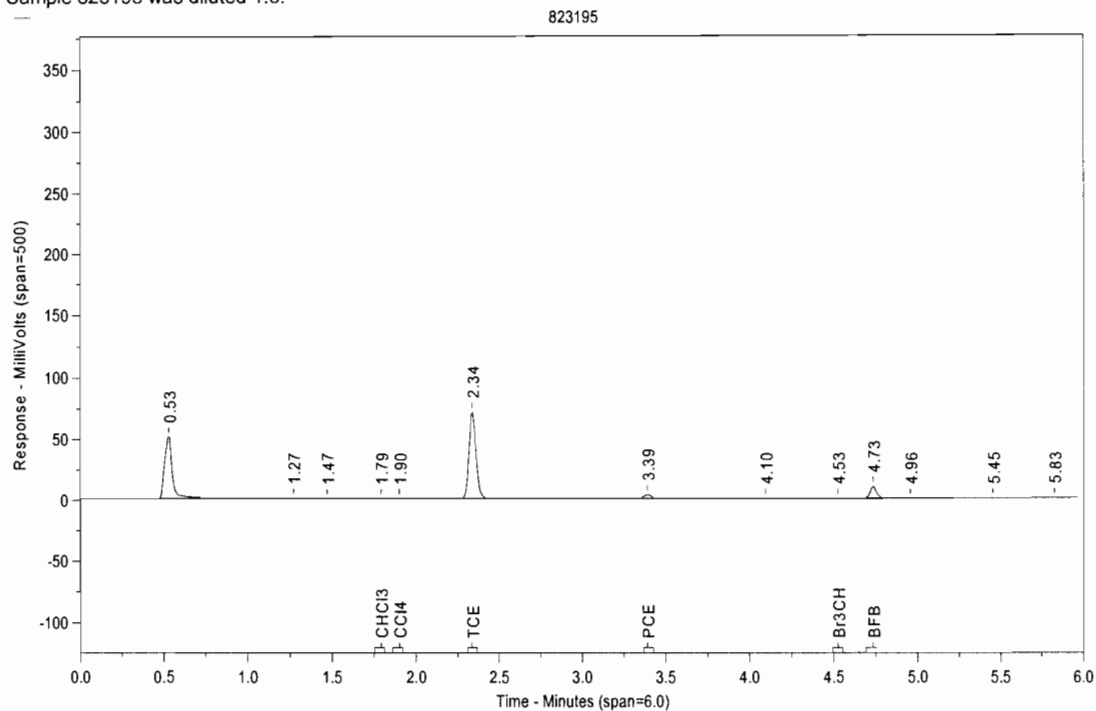
Chrom Perfect Chromatogram Report

Sample Name: 823195

Data File: C:\CPSpirit5\Data2\VoaE030910.0189.RAW

Acquired from Instrument 1 on 3/19/10 5:33:54 PM by

Sample 823195 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	52403.04	4.10		0	23.50
1.27		0	107.61	4.53	Br3CH	0	27.11
1.47		0	41.03	4.73	BFB	2226	9495.14
1.79	CHCl3	0	35.41	4.96		0	22.46
1.90	CCl4	0	84.39	5.45		0	26.85
2.34	TCE	829	71383.17	5.83		0	63.21
3.39	PCE	7	3033.44				

Surrogate BFB recovery is 111.3%

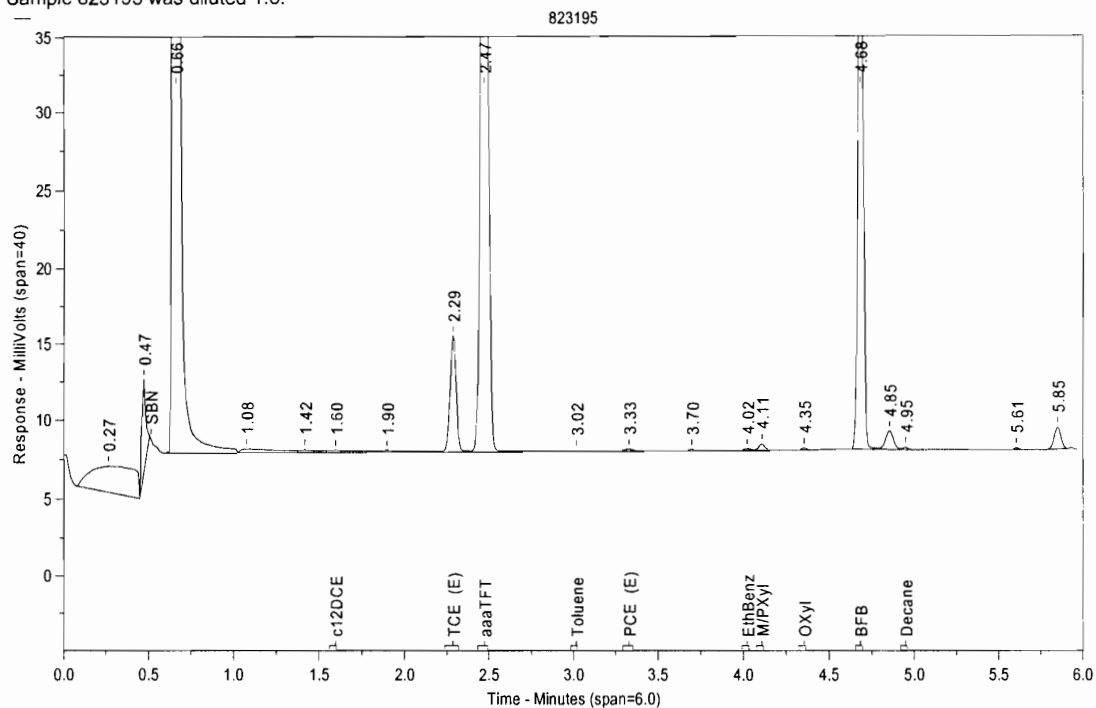
Chrom Perfect Chromatogram Report

Sample Name: 823195

Data File: C:\CPSpirit5\Data2\VoaF030910.0189.RAW

Acquired from Instrument 1 on 3/19/10 5:33:54 PM by

Sample 823195 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1652.51	3.33	PCE (E)	13	147.09
0.47		0	5922.25	3.70		0	110.55
0.66		0	625034.25	4.02	EthBenz	1	128.06
1.08		0	255.05	4.11	M/PyXyl	3	419.58
1.42		0	209.13	4.35	OXyl	0	130.08
1.60	c12DCE	11	162.95	4.68	BFB	2268	46561.01
1.90		0	137.90	4.85		0	1154.27
2.29	TCE (E)	787	7637.09	4.95	Decane	2	142.78
2.47	aaaTFT	2084	52545.18	5.61		0	119.29
3.02	Toluene	2	68.17	5.85		0	1369.91

Surrogate aaaTFT recovery is 104.2%

Surrogate BFB recovery is 113.4%

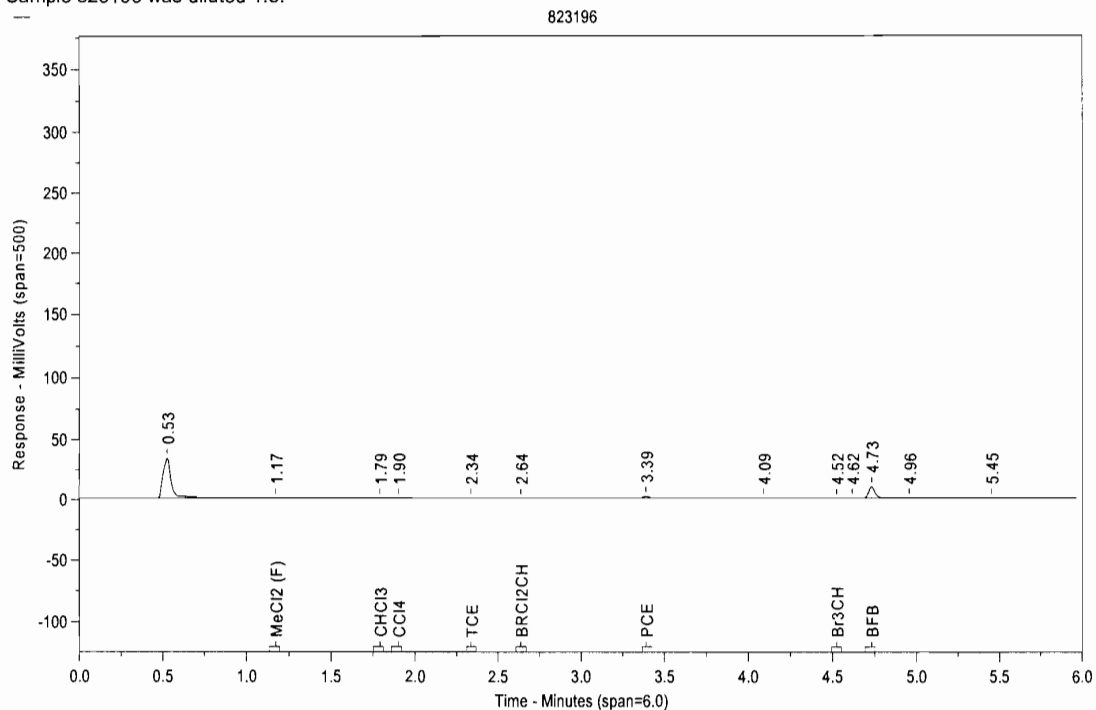
Chrom Perfect Chromatogram Report

Sample Name: 823196

Data File: C:\CPSpirit5\Data2\VoaE030910.0190.RAW

Acquired from Instrument 1 on 3/19/10 5:45:43 PM by

Sample 823196 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33428.79	4.09		0	25.96
1.17	MeCl2 (F)	21	82.12	4.52	Br3CH	0	25.32
1.79	CHCl3	0	38.08	4.62		0	30.19
1.90	CCl4	0	82.10	4.73	BFB	2243	9558.45
2.34	TCE	0	72.12	4.96		0	20.75
2.64	BRCI2CH	0	22.45	5.45		0	23.58
3.39	PCE	4	1570.17				

Surrogate BFB recovery is 112.1%

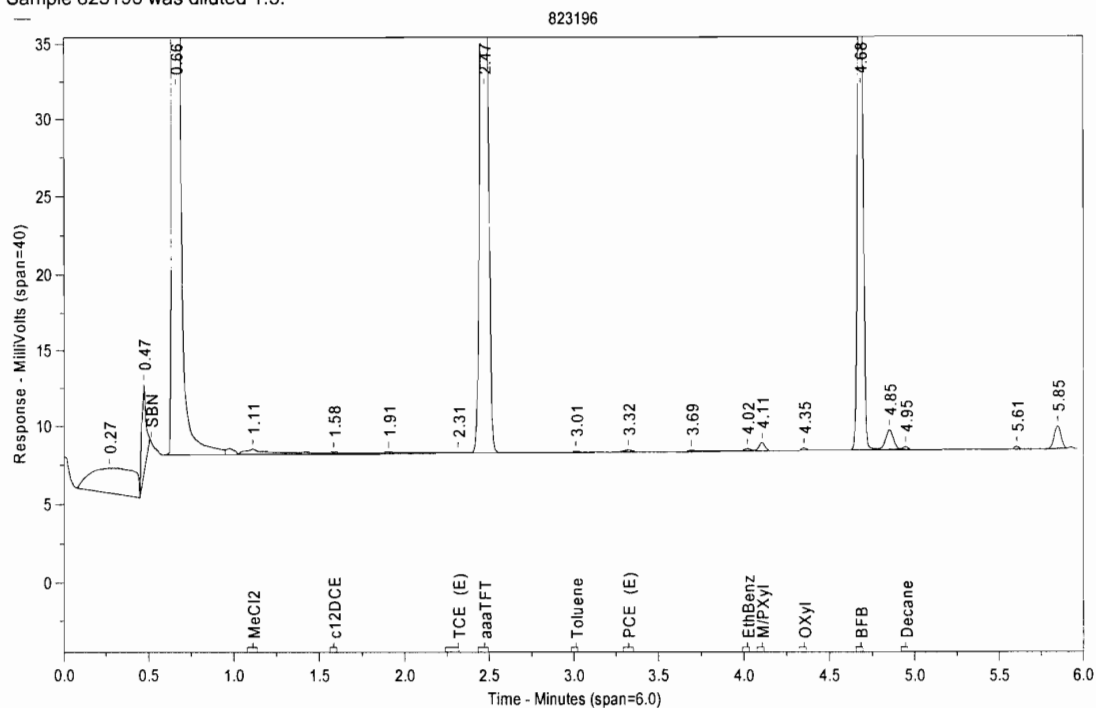
Chrom Perfect Chromatogram Report

Sample Name: 823196

Data File: C:\CPSpirit5\Data2\VoaF030910.0190.RAW

Acquired from Instrument 1 on 3/19/10 5:45:43 PM by

Sample 823196 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1573.25	3.69		0	108.03
0.47		0	5751.73	4.02	EthBenz	2	152.35
0.66		0	625871.06	4.11	M/PXyl	5	527.20
1.11	MeCl2	30	347.12	4.35	OXyl	1	158.24
1.58	c12DCE	9	129.67	4.68	BFB	2272	46647.24
1.91		0	126.23	4.85		0	1287.25
2.31	TCE (E)	7	77.94	4.95	Decane	4	198.94
2.47	aaaTFT	2097	52877.07	5.61		0	189.88
3.01	Toluene	2	82.25	5.85		0	1477.13
3.32	PCE (E)	12	137.15				

Surrogate aaaTFT recovery is 104.8%

Surrogate BFB recovery is 113.6%

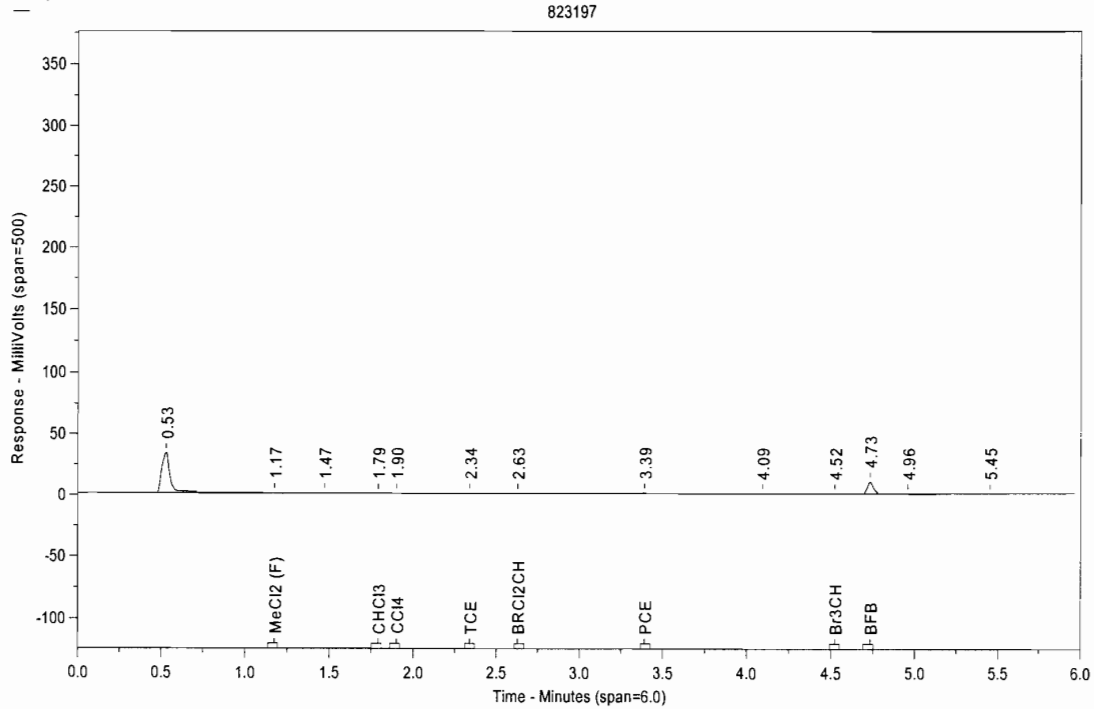
Chrom Perfect Chromatogram Report

Sample Name: 823197

Data File: C:\CP Spirit5\Data2\VoaE030910.0191.RAW

Acquired from Instrument 1 on 3/19/10 5:57:31 PM by

Sample 823197 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33225.99	3.39	PCE	1	428.32
1.17	MeCl2 (F)	25	93.08	4.09		0	22.65
1.47		0	39.52	4.52	Br3CH	0	27.20
1.79	CHCl3	0	35.29	4.73	BFB	2296	9756.67
1.90	CCl4	0	82.00	4.96		0	21.63
2.34	TCE	1	108.28	5.45		0	27.98
2.63	BRCI2CH	0	15.79				

Surrogate BFB recovery is 114.8%

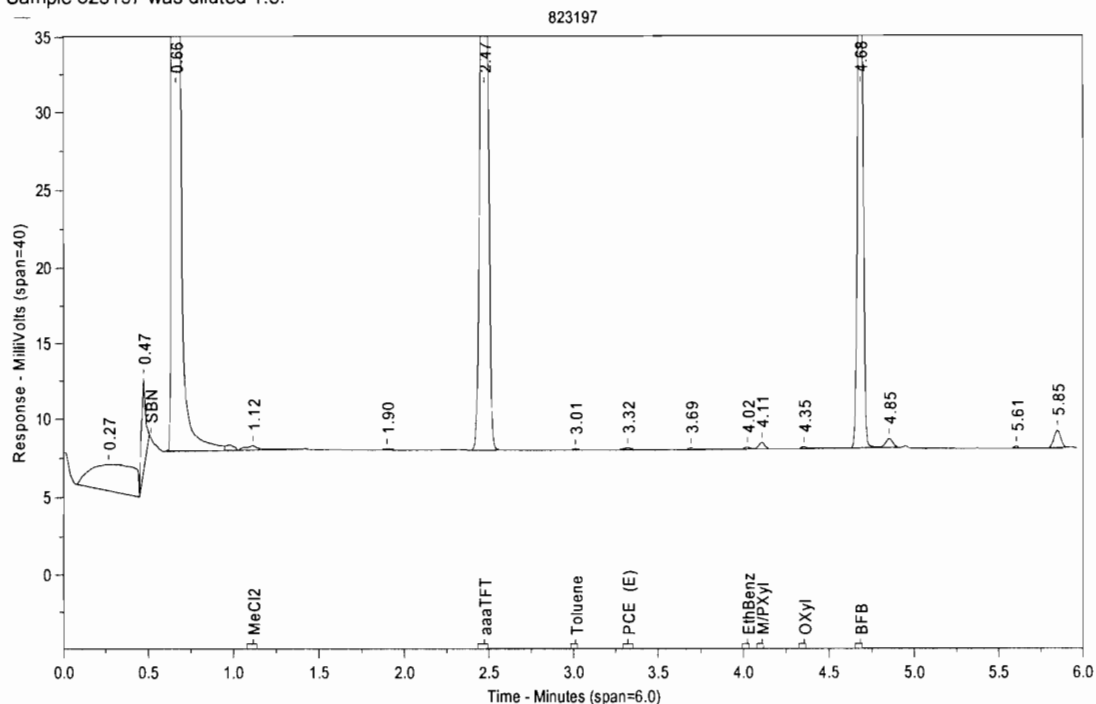
Chrom Perfect Chromatogram Report

Sample Name: 823197

Data File: C:\CPSpirit5\Data2\VoaF030910.0191.RAW

Acquired from Instrument 1 on 3/19/10 5:57:31 PM by

Sample 823197 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1656.53	3.69		0	114.57
0.47		0	5919.85	4.02	EthBenz	2	132.60
0.66		0	649035.25	4.11	M/Pyxl	4	450.53
1.12	MeCl2	22	299.30	4.35	OXyl	1	141.11
1.90		0	82.97	4.68	BFB	2344	48119.26
2.47	aaaTFT	2124	53565.33	4.85		0	562.66
3.01	Toluene	2	85.65	5.61		0	135.06
3.32	PCE (E)	12	126.71	5.85		0	1110.29

Surrogate aaaTFT recovery is 106.2%

Surrogate BFB recovery is 117.2%

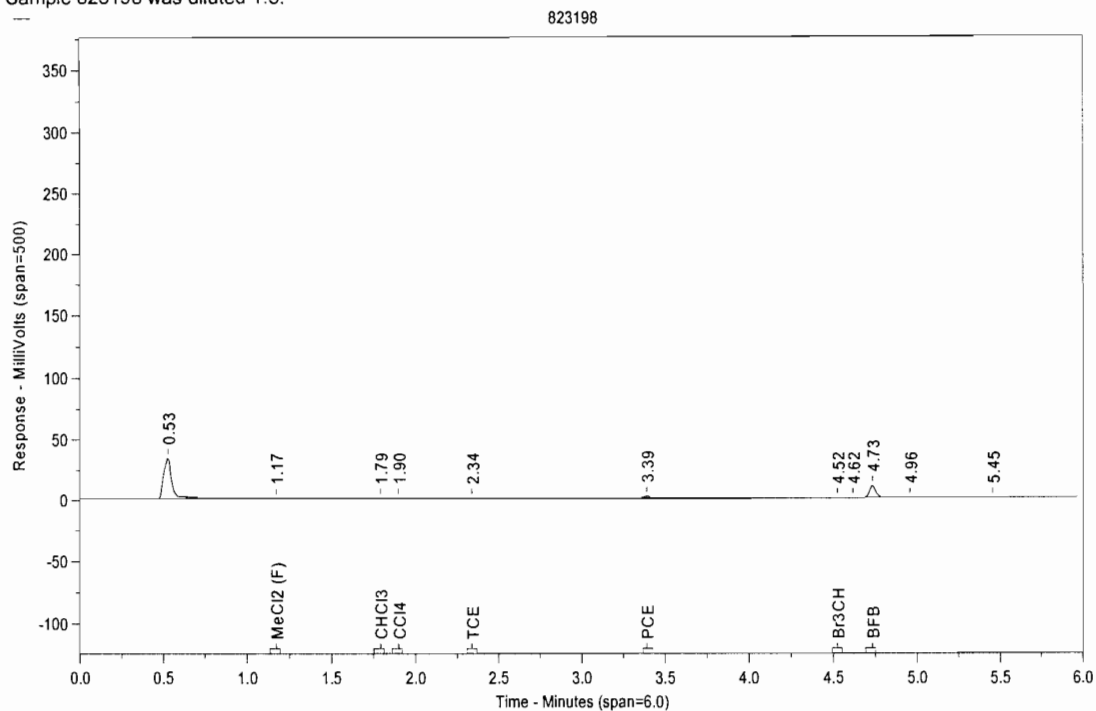
Chrom Perfect Chromatogram Report

Sample Name: 823198

Data File: C:\CPSpirit5\Data2\VoaE030910.0192.RAW

Acquired from Instrument 1 on 3/19/10 6:09:20 PM by

Sample 823198 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33275.27	4.52	Br3CH	0	27.00
1.17	MeCl2 (F)	19	74.06	4.62		0	27.10
1.79	CHCl3	0	37.96	4.73	BFB	2322	9853.51
1.90	CCl4	0	84.12	4.96		0	21.99
2.34	TCE	0	63.77	5.45		0	26.72
3.39	PCE	3	1488.69				

Surrogate BFB recovery is 116.1%

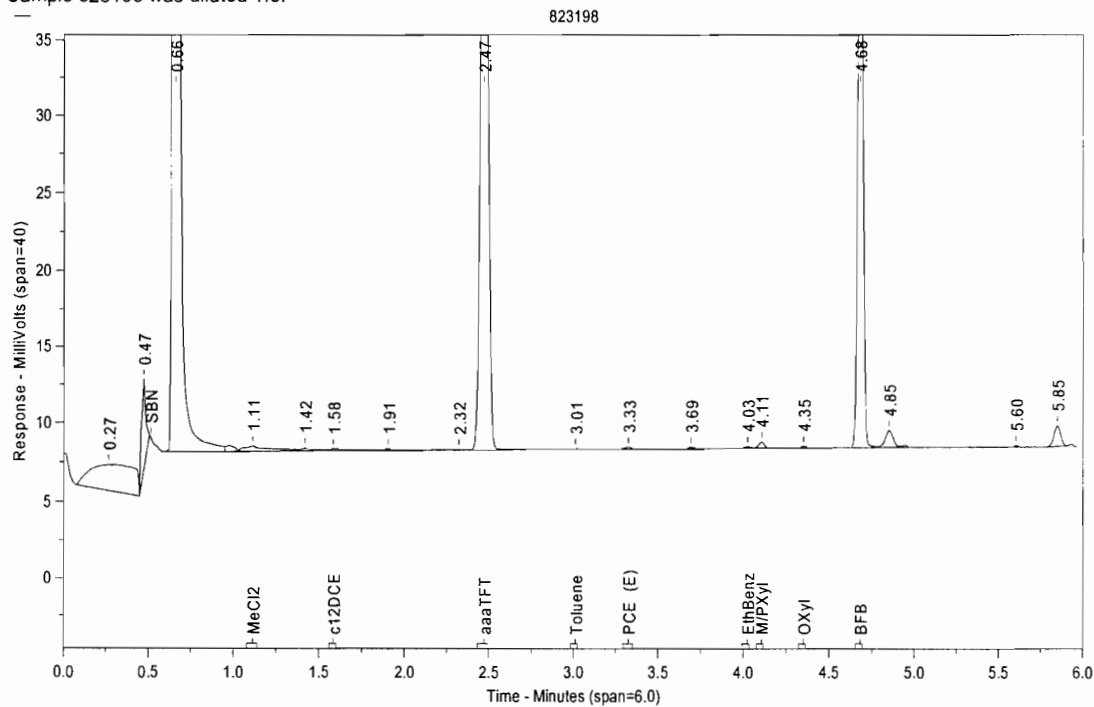
Chrom Perfect Chromatogram Report

Sample Name: 823198

Data File: C:\CPSpirit5\Data2\VoaF030910.0192.RAW

Acquired from Instrument 1 on 3/19/10 6:09:20 PM by

Sample 823198 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1628.74	3.33	PCE (E)	12	128.89
0.47		0	5848.59	3.69		0	119.24
0.66		0	647919.13	4.03	EthBenz	1	95.41
1.11	MeCl2	26	321.14	4.11	M/PyXyl	2	390.20
1.42		0	185.65	4.35	OXyl	0	108.84
1.58	c12DCE	8	127.01	4.68	BFB	2360	48439.46
1.91		0	102.32	4.85		0	1076.31
2.32		0	62.23	5.60		0	113.79
2.47	aaaTFT	2143	54033.82	5.85		0	1298.76
3.01	Toluene	1	59.61				

Surrogate aaaTFT recovery is 107.1%

Surrogate BFB recovery is 118.8%

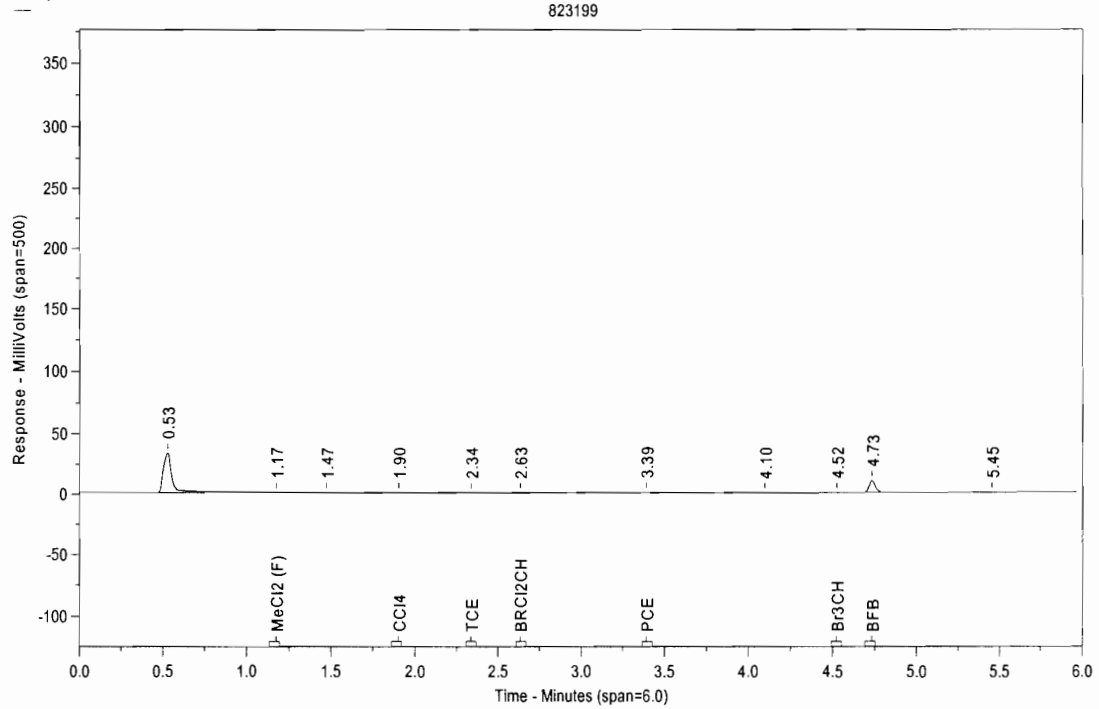
Chrom Perfect Chromatogram Report

Sample Name: 823199

Data File: C:\CPSpirit5\Data2\VoaE030910.0193.RAW

Acquired from Instrument 1 on 3/19/10 6:21:08 PM by

Sample 823199 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33113.82	3.39	PCE	1	487.91
1.17	MeCl2 (F)	22	83.08	4.10		0	23.14
1.47		0	40.12	4.52	Br3CH	0	28.59
1.90	CCl4	0	69.29	4.73	BFB	2299	9765.55
2.34	TCE	0	38.38	5.45		0	28.68
2.63	BRCI2CH	0	19.00				

Surrogate BFB recovery is 114.9%

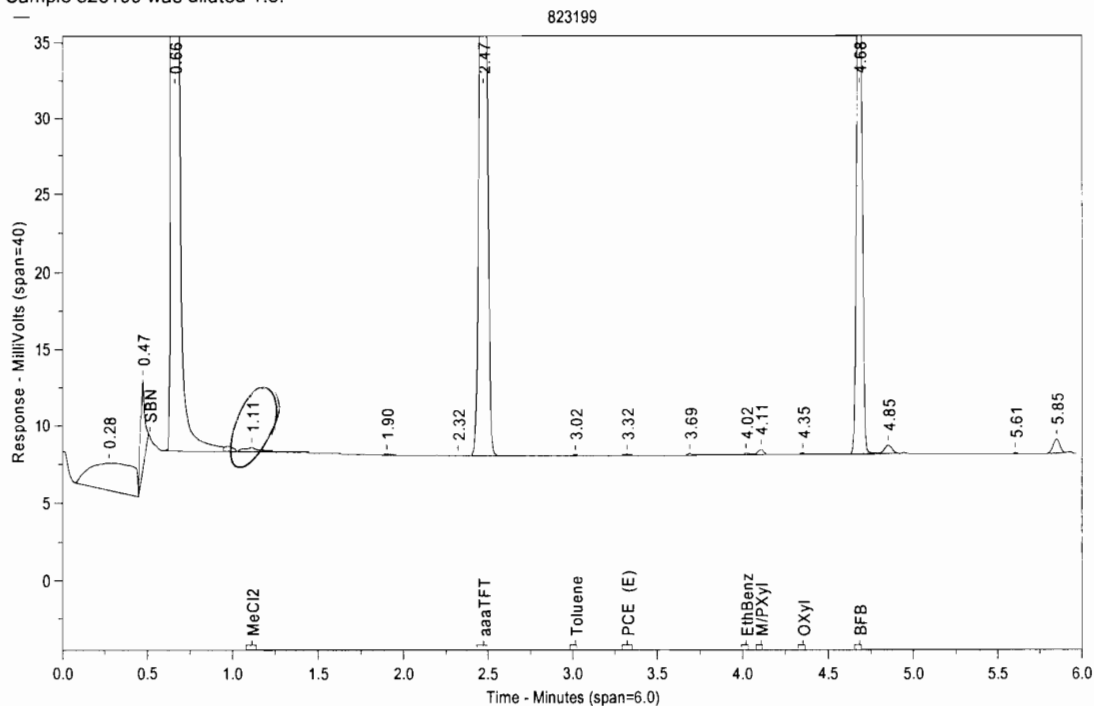
Chrom Perfect Chromatogram Report

Sample Name: 823199

Data File: C:\CPSpirit5\Data2\VoaF030910.0193.RAW

Acquired from Instrument 1 on 3/19/10 6:21:08 PM by

Sample 823199 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1739.69	3.69		0	124.73
0.47		0	5850.22	4.02	EthBenz	1	120.53
0.66		0	623322.38	4.11	M/PyXyl	1	352.22
1.11	MeCl2	21	289.58	4.35	OXyl	0	106.73
1.90		0	58.22	4.68	BFB	2324	47716.47
2.32		0	45.62	4.85		0	551.29
2.47	aaaTFT	2134	53806.91	5.61		0	89.05
3.02	Toluene	2	73.90	5.85		0	919.48
3.32	PCE (E)	10	94.14				

Surrogate aaaTFT recovery is 106.7%

Surrogate BFB recovery is 116.2%

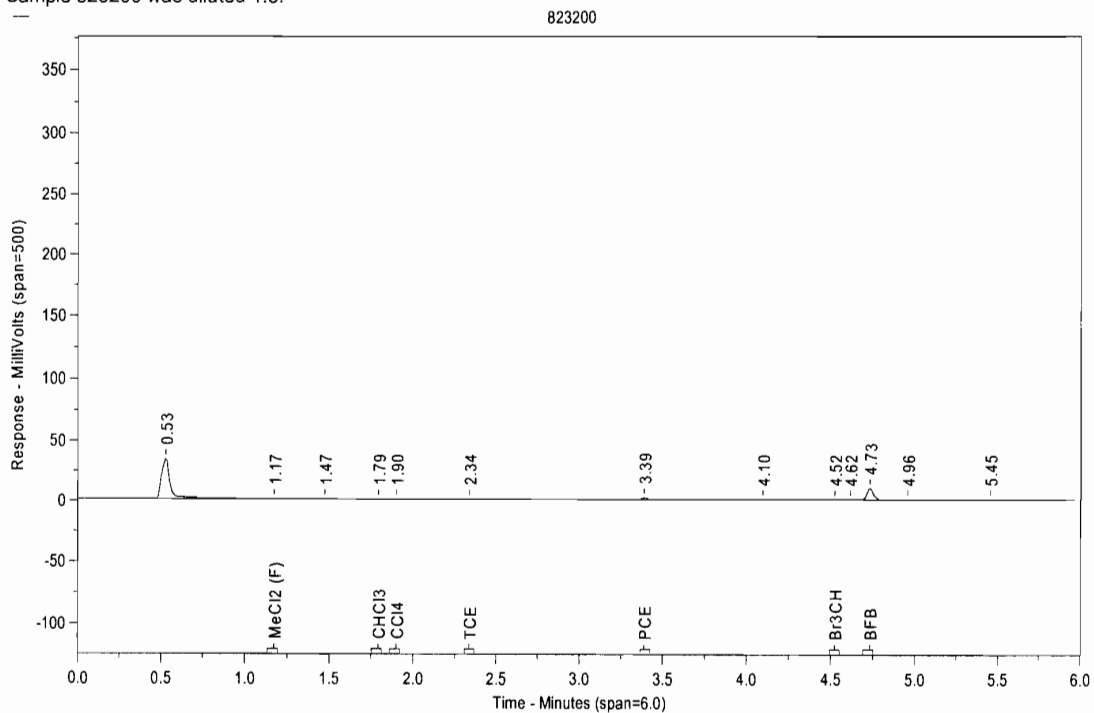
Chrom Perfect Chromatogram Report

Sample Name: 823200

Data File: C:\CPSpirit5\Data2\VoaE030910.0194.RAW

Acquired from Instrument 1 on 3/19/10 6:32:56 PM by

Sample 823200 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33263.43	4.10		0	24.09
1.17	MeCl2 (F)	15	62.92	4.52	Br3CH	0	27.38
1.47		0	39.72	4.62		0	22.80
1.79	CHCl3	0	35.50	4.73	BFB	2260	9621.73
1.90	CCl4	0	81.97	4.96		0	23.67
2.34	TCE	0	60.50	5.45		0	27.74
3.39	PCE	3	1368.92				

Surrogate BFB recovery is 113.%

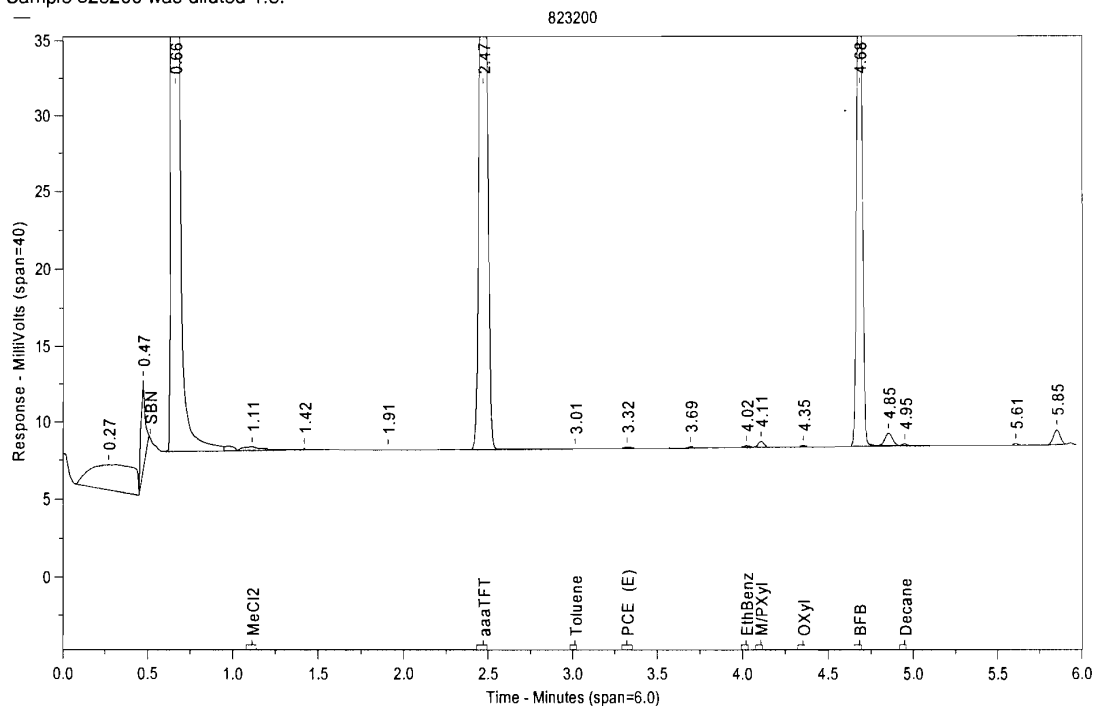
Chrom Perfect Chromatogram Report

Sample Name: 823200

Data File: C:\CPSpirit5\Data2\VoaF030910.0194.RAW

Acquired from Instrument 1 on 3/19/10 6:32:56 PM by

Sample 823200 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1619.97	3.69		0	105.29
0.47		0	5859.50	4.02	EthBenz	1	103.77
0.66		0	631924.38	4.11	M/Pyyl	2	390.72
1.11	MeCl2	16	258.34	4.35	OXyl	0	119.35
1.42		0	100.27	4.68	BFB	2284	46892.93
1.91		0	57.46	4.85		0	815.94
2.47	aaaTFT	2104	53066.41	4.95	Decane	2	130.64
3.01	Toluene	2	64.49	5.61		0	132.97
3.32	PCE (E)	12	123.58	5.85		0	961.44

Surrogate aaaTFT recovery is 105.2%

Surrogate BFB recovery is 114.2%

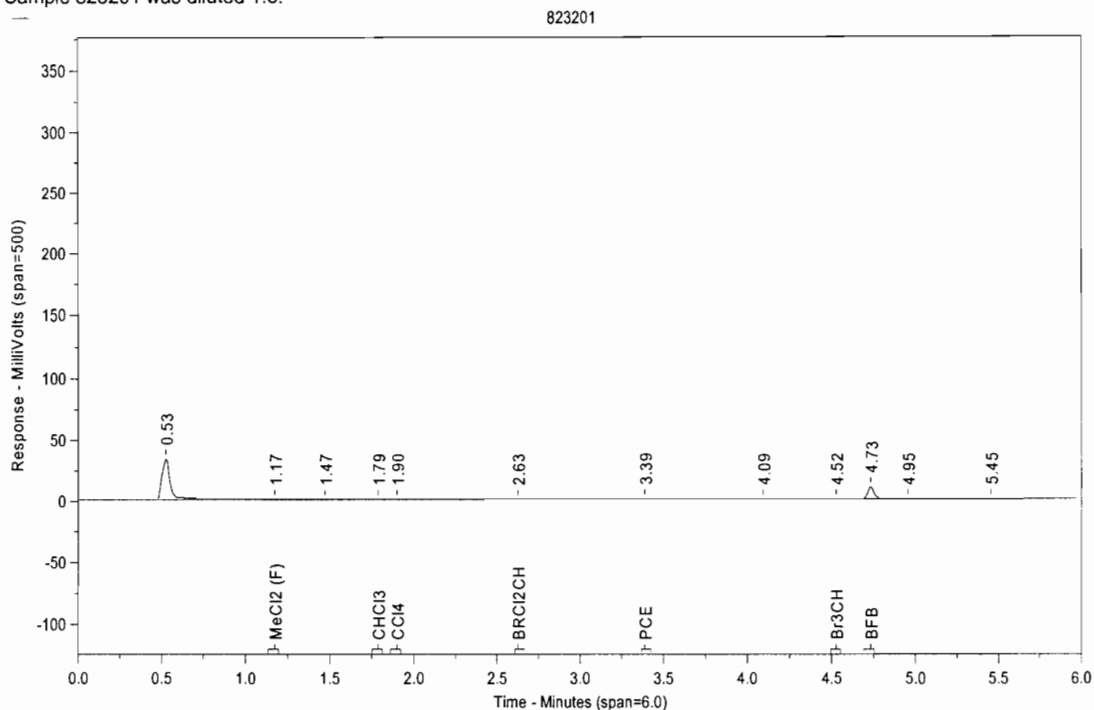
Chrom Perfect Chromatogram Report

Sample Name: 823201

Data File: C:\CPSpirit5\Data2\VoaE030910.0195.RAW

Acquired from Instrument 1 on 3/19/10 6:44:44 PM by

Sample 823201 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33214.30	3.39	PCE	1	396.47
1.17	MeCl2 (F)	19	73.40	4.09		0	25.38
1.47		0	41.95	4.52	Br3CH	0	27.72
1.79	CHCl3	0	34.48	4.73	BFB	2335	9899.32
1.90	CCl4	0	81.70	4.95		0	24.63
2.63	BRCI2CH	0	23.10	5.45		0	23.64

Surrogate BFB recovery is 116.7%

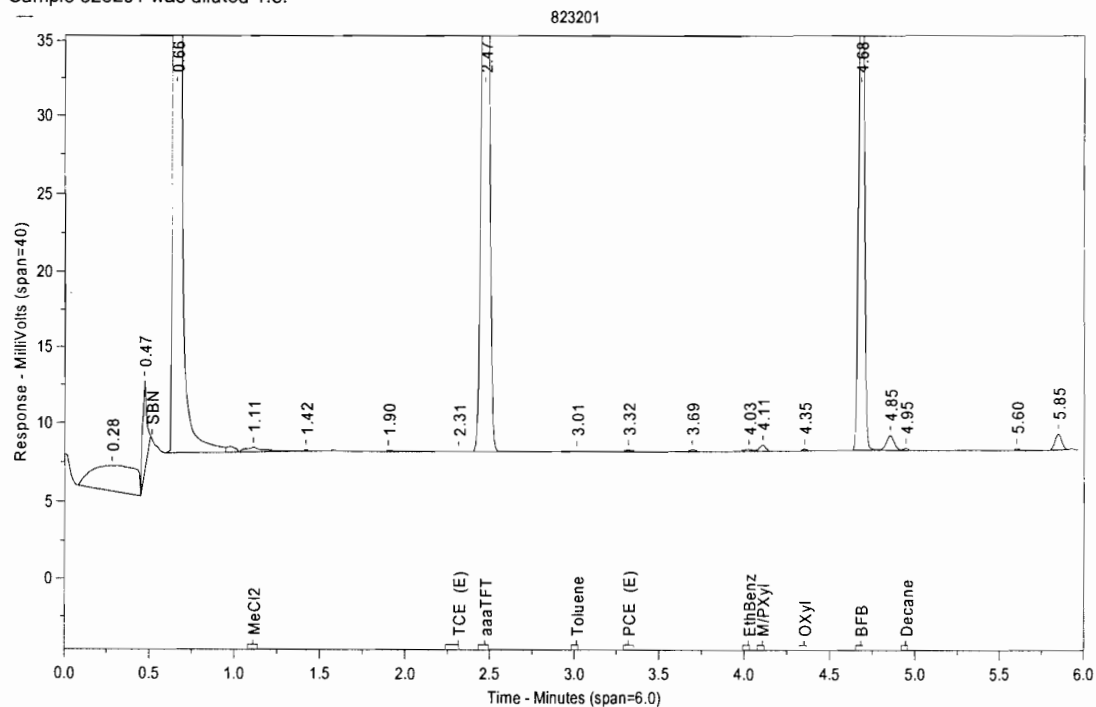
Chrom Perfect Chromatogram Report

Sample Name: 823201

Data File: C:\CPSpirit5\Data2\VoaF030910.0195.RAW

Acquired from Instrument 1 on 3/19/10 6:44:44 PM by

Sample 823201 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1619.10	3.69		0	117.62
0.47		0	5767.35	4.03	EthBenz	1	125.14
0.66		0	665448.44	4.11	M/PyXyl	2	399.25
1.11	MeCl2	21	292.50	4.35	OXyl	0	116.60
1.42		0	125.40	4.68	BFB	2375	48763.66
1.90		0	60.55	4.85		0	951.09
2.31	TCE (E)	4	46.42	4.95	Decane	2	131.66
2.47	aaaTFT	2161	54479.71	5.60		0	112.47
3.01	Toluene	2	70.27	5.85		0	1009.53
3.32	PCE (E)	11	118.39				

Surrogate aaaTFT recovery is 108.8%

Surrogate BFB recovery is 118.8%

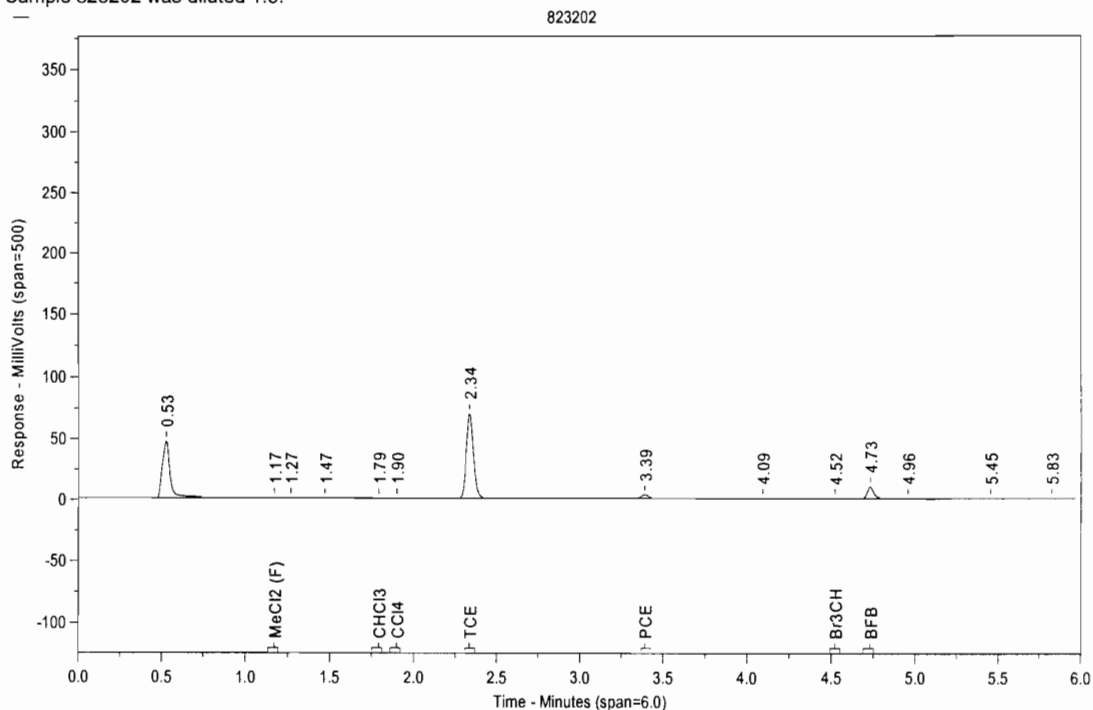
Chrom Perfect Chromatogram Report

Sample Name: 823202

Data File: C:\CPSpirit5\Data2\VoaE030910.0196.RAW

Acquired from Instrument 1 on 3/19/10 6:56:29 PM by

Sample 823202 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	46748.13	3.39	PCE	7	2984.49
1.17	MeCl2 (F)	24	91.74	4.09		0	24.27
1.27		0	107.19	4.52	Br3CH	0	26.05
1.47		0	50.11	4.73	BFB	2261	9624.98
1.79	CHCl3	0	35.77	4.96		0	20.78
1.90	CCl4	0	81.69	5.45		0	26.32
2.34	TCE	815	70340.13	5.83		0	62.39

Surrogate BFB recovery is 113.0%

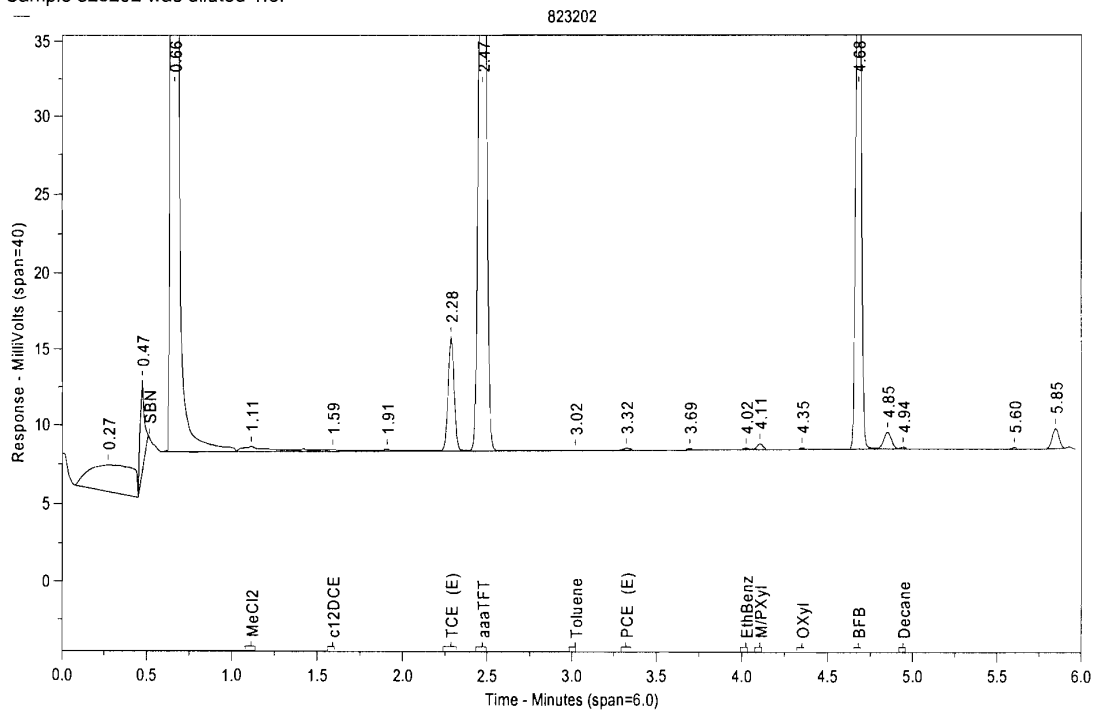
Chrom Perfect Chromatogram Report

Sample Name: 823202

Data File: C:\CPSpirit5\Data2\VoaF030910.0196.RAW

Acquired from Instrument 1 on 3/19/10 6:56:29 PM by

Sample 823202 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1693.04	3.69		0	107.18
0.47		0	5830.51	4.02	EthBenz	1	93.07
0.66		0	626848.00	4.11	M/PyXyl	2	362.83
1.11	MeCl2	26	322.73	4.35	OXyl	0	108.09
1.59	c12DCE	9	137.25	4.68	BFB	2297	47162.11
1.91		0	118.31	4.85		0	1089.98
2.28	TCE (E)	773	7503.65	4.94	Decane	2	132.40
2.47	aaaTFT	2090	52694.39	5.60		0	117.81
3.02	Toluene	1	57.08	5.85		0	1305.74
3.32	PCE (E)	13	141.51				

Surrogate aaaTFT recovery is 104.5%

Surrogate BFB recovery is 114.9%



Sample Handling

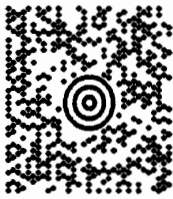
UPS Internet Shipping: View/Print Label

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 ServicesSM (including via Ground) are also accepted at Drop Boxes.
 - To find the location nearest you, please visit the 'Find Locations' Quick link at ups.com.

Customers with a Daily Pickup

- Your driver will pickup your shipment(s) as usual.

FOLD HERE

TRACY TORRES 609-714-2420 PANTHER TECHNOLOGIES, INC. 220 ROUTE 70 EAST MEDFORD NJ 08055		30 LBS	1 OF 1
SHIP TO: SAMPLE RECEIVING 802-660-1990 TESTAMERICA SUITE 11 30 COMMUNITY DRIVE SOUTH BURLINGTON VT 05403-6834		DWT:21,15,14	
		VT 054 0-02 	
UPS NEXT DAY AIR TRACKING #: 1Z RA7 732 01 9165 1885		1	
			
BILLING: P/P			
Reference#1: J303001 Reference#2: Bench Scale		US 120 23. WXPDS0 99 0A 01/2010  TM	

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

Client: PANTRA	Date Received: 03/19/10	Log In Date: 3/19/10
ETR: 136424	Time Received: 1025	By: com
SDG: 136424	Received By: CR	Signature: <i>[Signature]</i>
Project: 24600	# Coolers Received: 1	PM Signature: <i>[Signature]</i>
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 3/27/10
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	☒			
Custody seals are present and intact	☒			
Custody seal numbers are present		☒		
If yes, list custody seal numbers:				

Thermal Preservation Type: ☒ Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)				
IR Gun ID: 96	Correction Factor (CF) = -2 °C			
Cooler 1: 123 °C	Cooler 6	Cooler 11	Cooler 16	°C
Cooler 2: °C	Cooler 7	Cooler 12	Cooler 17	°C
Cooler 3: °C	Cooler 8	Cooler 13	Cooler 18	°C
Cooler 4: °C	Cooler 9	Cooler 14	Cooler 19	°C
Cooler 5: °C	Cooler 10	Cooler 15	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	☒			
Legible sample labels are affixed to each container	☒			

CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				
• Sample ID / Sample Description	☒			
• Date of Sample Collection	☒			
• Time of Sample Collection	☒			
• Identification of the Sampler	☒			
• Preservation Type	☒			
• Requested Tests Method(s)	☒			
• Necessary Signatures	☒			
Internal Chain of Custody (ICOC) Required		☒		
If yes to above, ICOC Record initiated for every Worksheet			☒	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC	☒			
Appropriate sample containers were received for the tests requested	☒			
Samples were received within holding time	☒			
Sufficient amount of sample is provided for requested analyses	☒			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)	☒			
Appropriate preservatives were used for the tests requested	☒			
pH of inorganic samples checked and is within method specification			☒	
If no, attach Inorganic Sample pH Adjustment Form			☒	

ANOMALY / NCR SUMMARY

Some sample labels are contained on sample label 3. White covers are present on all.

Only 1 40ml HCl preserved received for trip blank sample. NO screens to be performed.

Sample IDs were formatted due to limitations of LIMS. All commas were removed from sample IDs as they are unusable characters.

TestAmerica
South Burlington, VT
Extended Data Package

136458

TestAmerica Laboratories, Inc.

April 2, 2010

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

Re: Laboratory Project No. 29000
Case: LASS; SDG: 136458

Dear Mr. Dyson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on March 23rd, 2010. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 03/23/10 ETR No: 136458			
823376	D=5 CONTROL	03/19/10	WATER
823377	D=5 1.5% HIGH	03/19/10	WATER
823378	D=5 1.5% MEDIUM	03/19/10	WATER
823379	D=5 1.5% MEDIUM-D	03/19/10	WATER
823380	D=5 1.75% HIGH	03/19/10	WATER
823381	D=5 1.75% MEDIUM	03/19/10	WATER
823382	D=5 2% HIGH	03/19/10	WATER
823383	D=5 2% MEDIUM	03/19/10	WATER
823384	TRIP BLANK	03/19/10	WATER
823385	VHBLK01	03/23/10	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 D=5 CONTROL, and that analysis gave no indication of a matrix interference specific to the elements under evaluation. Trace levels specific to mercury, potassium and zinc were identified in the analysis of the method blanks associated with the analytical work. The trace levels 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 D=5 CONTROL was analyzed at a dilution, based on the results of preliminary screening. An additional, more concentrated analysis was performed on that sample in order to provide for a lower reporting limit for those target analytes that were not identified in the primary analysis. It was identified in the initial analysis of sample D=5 1.5% HIGH that methylene chloride was above the calibrated range at a concentration of 21 ug/L, the upper calibrated range is 20 ug/L. It should be noted that an instrument blank was not analyze following the initial analysis of sample D=5 1.5% HIGH and prior to the analysis of sample D=5 1.5% MEDIUM as prescribe by the method. The concentration of methylene chloride was 5 percent above the calibrated range in the initial analysis of sample D=5 1.5% HIGH and the contribution to the following analysis is thought to be minimal. Both sets of results for the analysis of samples D=5 CONTROL and D=5 1.5% HIGH are included in this submittal.

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 field sample did yield acceptable recovery of each deuterated monitoring compound. 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-d₆, 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.

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,

A handwritten signature in black ink, appearing to read "Sara Goff", with a stylized flourish at the end.

Sara Goff
Project Manager

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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

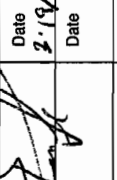
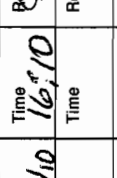
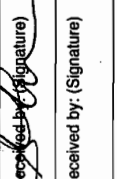
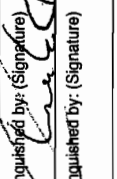
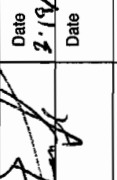
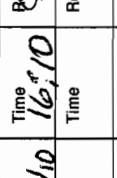
FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

South Burlington, VT 05403 Tel: 802 660 1990

THE LEADER IN ENVIRONMENTAL TESTING

Report to: Company: <u>Oxother Technologies</u> Address: <u>220 BT 70E St B</u> Contact: <u>Kevin Dyson</u> Phone: <u>609 714-2420</u> Fax: <u>609 714 2495</u> Contract/Quote: _____		Invoice to: Company: <u>SAME</u> Address: _____ Contact: _____ Phone: _____ Fax: _____		Lab Use Only Due Date: _____ Temp. of coolers when received (C°): 1 2 3 4 5 N/Y N/Y Custody Seal Intact Screened For Radioactivity ☐	
Project Name <u>LAI</u>		No./Type of Containers? VOA A/G 500 ml P/O 3 1 2		Analysis Requested 50m VOA LCM METALS TSS TOC TDS / Cl / Sulfate / Alkalinity	
Identifying Marks of Sample(s) D=5 Control D=5 1.5% High D=5 1.5% Medium D=5 1.75% High D=5 1.75% Medium D=5 2% High D=5 2% Medium TRIP BLANK		Date 3/18/10 " 10:50 " 11:30 " 11:55 " 12:30 " 2:55 " 3:20 " " " " " "		Time 16:10 Time Time Time Time Time Time Time Time	
Received by: (Signature)  Received by: (Signature)  Received by: (Signature) 		Date 3/19/10 Date Date Date		Remarks Ascorbic Acid Added to VOA vials and second metal sample bottle. Some residual NaNO ₂ in other (purple) samples. Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.	
Relinquished by: (Signature)  Relinquished by: (Signature)  Relinquished by: (Signature) 		Date 3/19/10 Date Date Date		Time 16:10 Time Time Time	
Matrix W 3/18/9:30 W " 10:50 W " 11:30 W " 11:55 W " 12:30 W " 2:55 W " 3:20 W " W " W "		Date 3/18/10 " 10:50 " 11:30 " 11:55 " 12:30 " 2:55 " 3:20 " " " " " "		Time 16:10 Time Time Time Time Time Time Time Time	
W - Water A/G - Amber / Or Glass 1 Liter S - Soil L - Liquid A - Air bag C - Charcoal Tube P/O - Plastic or other		SL - Sludge O - Oil		TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919	



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: 136458
SOW No.: _____

EPA Sample No.	Lab Sample ID
D=5 1.5% HIGH	<u>823377</u>
D=5 1.5% MEDIUM	<u>823378</u>
D=5 1.75% HIGH	<u>823380</u>
D=5 1.75% MEDIUM	<u>823381</u>
D=5 2% HIGH	<u>823382</u>
D=5 2% MEDIUM	<u>823383</u>
D=5 CONTROL	<u>823376</u>

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

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: _____

COVER PAGE

ILM05.4

USEPA-CLP FORMS
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

D=5 1.5% HIGH

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458
Matrix (soil/water): WATER Lab Sample ID: 823377
Level (low/med): LOW Date Received: 03/23/2010
% 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	14700			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	57.9	J		P
7440-41-7	Beryllium	2.0	J		P
7440-70-2	Calcium	17600			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	3.0	J		P
7440-47-3	Chromium	85.2			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	293			P
7439-95-4	Magnesium	7720			P
7439-97-6	Mercury	0.087	J		CV
7439-96-5	Manganese	32600			P
7440-23-5	Sodium	25600			P
7440-02-0	Nickel	25.2	J		P
7439-92-1	Lead	3.5	J		P
7440-09-7	Potassium	46200			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	24.6	J		P
7440-62-2	Vanadium	3.5	J		P
7440-66-6	Zinc	6.4	J		P

Color Before: colorless Clarity Before: clear Texture: _____

Color After: orange Clarity After: clear Artifacts: _____

Comments: _____

USEPA-CLP FORMS
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

D=5 1.5% MEDIUM

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458
 Matrix (soil/water): WATER Lab Sample ID: 823378
 Level (low/med): LOW Date Received: 03/23/2010
 % 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	16100			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	66.8	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	3.6	J		P
7440-47-3	Chromium	56.3			P
7440-50-8	Copper	7.0	J		P
7439-89-6	Iron	1350			P
7439-95-4	Magnesium	7980			P
7439-97-6	Mercury	0.056	J		CV
7439-96-5	Manganese	12200			P
7440-23-5	Sodium	26100			P
7440-02-0	Nickel	31.7	J		P
7439-92-1	Lead	8.4	J		P
7440-09-7	Potassium	29300			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	10.2	J		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	9.0	J		P

Color Before: colorless Clarity Before: clear Texture: _____
 Color After: orange Clarity After: clear Artifacts: _____

Comments: _____

USEPA-CLP FORMS
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

D=5 1.75% HIGH

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458
 Matrix (soil/water): WATER Lab Sample ID: 823380
 Level (low/med): LOW Date Received: 03/23/2010
 % 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	15400			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	59.4	J		P
7440-41-7	Beryllium	2.1	J		P
7440-70-2	Calcium	18200			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	3.0	J		P
7440-47-3	Chromium	90.2			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	458			P
7439-95-4	Magnesium	7900			P
7439-97-6	Mercury	0.056	J		CV
7439-96-5	Manganese	33100			P
7440-23-5	Sodium	26400			P
7440-02-0	Nickel	25.4	J		P
7439-92-1	Lead	6.6	J		P
7440-09-7	Potassium	47200			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	21.7	J		P
7440-62-2	Vanadium	1.9	J		P
7440-66-6	Zinc	7.6	J		P

Color Before: colorless Clarity Before: clear Texture: _____
 Color After: orange Clarity After: clear Artifacts: _____

Comments: _____

USEPA-CLP FORMS
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

D=5 1.75% MEDIUM

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458
 Matrix (soil/water): WATER Lab Sample ID: 823381
 Level (low/med): LOW Date Received: 03/23/2010
 % 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	14600			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	54.4	J		P
7440-41-7	Beryllium	2.0	J		P
7440-70-2	Calcium	16600			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	3.5	J		P
7440-47-3	Chromium	52.5			P
7440-50-8	Copper	3.9	J		P
7439-89-6	Iron	1460			P
7439-95-4	Magnesium	7480			P
7439-97-6	Mercury	0.074	J		CV
7439-96-5	Manganese	10300			P
7440-23-5	Sodium	25300			P
7440-02-0	Nickel	18.4	J		P
7439-92-1	Lead	6.5	J		P
7440-09-7	Potassium	27600			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	9.7	J		P
7440-62-2	Vanadium	3.2	J		P
7440-66-6	Zinc	9.2	J		P

Color Before: colorless Clarity Before: clear Texture: _____
 Color After: orange Clarity After: clear Artifacts: _____

Comments: _____

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

D=5 2% HIGH

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458

Matrix (soil/water): WATER Lab Sample ID: 823382

Level (low/med): LOW Date Received: 03/23/2010

% 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	14200			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	47.2	J		P
7440-41-7	Beryllium	1.8	J		P
7440-70-2	Calcium	16700			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	2.3	J		P
7440-47-3	Chromium	81.8			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	585			P
7439-95-4	Magnesium	7340			P
7439-97-6	Mercury	0.034	J		CV
7439-96-5	Manganese	33100			P
7440-23-5	Sodium	24700			P
7440-02-0	Nickel	18.1	J		P
7439-92-1	Lead	4.2	J		P
7440-09-7	Potassium	46600			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	23.4	J		P
7440-62-2	Vanadium	1.9	J		P
7440-66-6	Zinc	7.1	J		P

Color Before: colorless Clarity Before: clear Texture: _____

Color After: orange Clarity After: clear Artifacts: _____

Comments: _____

USEPA-CLP FORMS
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

D=5 2% MEDIUM

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458
 Matrix (soil/water): WATER Lab Sample ID: 823383
 Level (low/med): LOW Date Received: 03/23/2010
 % 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	15400			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	62.7	J		P
7440-41-7	Beryllium	2.1	J		P
7440-70-2	Calcium	17700			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	4.2	J		P
7440-47-3	Chromium	56.0			P
7440-50-8	Copper	4.4	J		P
7439-89-6	Iron	714			P
7439-95-4	Magnesium	7800			P
7439-97-6	Mercury	0.077	J		CV
7439-96-5	Manganese	13000			P
7440-23-5	Sodium	25900			P
7440-02-0	Nickel	28.3	J		P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	30100			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	8.8	J		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	8.3	J		P

Color Before: colorless Clarity Before: clear Texture: _____
 Color After: orange Clarity After: clear Artifacts: _____

Comments: _____

USEPA-CLP FORMS
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

D=5 CONTROL

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458
 Matrix (soil/water): WATER Lab Sample ID: 823376
 Level (low/med): LOW Date Received: 03/23/2010
 % 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	20300			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	85.7	J		P
7440-41-7	Beryllium	2.2	J		P
7440-70-2	Calcium	19000			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	46.8	J		P
7440-47-3	Chromium	20.3			P
7440-50-8	Copper	13.4	J		P
7439-89-6	Iron	6460			P
7439-95-4	Magnesium	8630			P
7439-97-6	Mercury	0.028	J		CV
7439-96-5	Manganese	2130			P
7440-23-5	Sodium	27900			P
7440-02-0	Nickel	212			P
7439-92-1	Lead	11.7			P
7440-09-7	Potassium	14000			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	8.4	J		P
7440-66-6	Zinc	41.3	J		P

Color Before: colorless Clarity Before: clear Texture: _____
 Color After: orange Clarity After: clear Artifacts: _____

Comments: _____



QC Summary – Metals

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.06	102	5.0	5.15	103	5.23	105	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: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	26000.0	26500.00	102	30200.0	30380.00	101	30440.00	101	P
Antimony	250.0	264.30	106	300.0	315.30	105	310.80	104	P
Barium	500.0	493.40	99	200.0	192.80	96	191.30	96	P
Beryllium	500.0	507.50	102	100.0	99.31	99	99.96	100	P
Calcium	25000.0	25650.00	103	30200.0	30050.00	100	30120.00	100	P
Cobalt	500.0	487.30	97	200.0	193.20	97	195.40	98	P
Chromium	500.0	488.60	98	200.0	194.00	97	196.20	98	P
Copper	500.0	496.80	99	200.0	198.10	99	201.20	101	P
Iron	25500.0	25570.00	100	30200.0	29920.00	99	30340.00	100	P
Magnesium	25000.0	25300.00	101	30200.0	30420.00	101	30460.00	101	P
Manganese	500.0	476.00	95	200.0	189.20	95	191.10	96	P
Sodium	25000.0	25470.00	102	30200.0	30440.00	101	30600.00	101	P
Nickel	500.0	479.20	96	200.0	190.90	95	193.80	97	P
Potassium	25000.0	26550.00	106	30200.0	30540.00	101	30790.00	102	P
Selenium	250.0	257.70	103	100.0	104.00	104	102.40	102	P
Thallium	250.0	247.00	99	100.0	100.10	100	103.70	104	P
Vanadium	500.0	501.40	100	200.0	195.60	98	198.60	99	P
Zinc	500.0	507.10	101	200.0	200.40	100	202.00	101	P

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				30200.0	30590.00	101			P
Antimony				300.0	317.70	106			P
Barium				200.0	196.20	98			P
Beryllium				100.0	100.10	100			P
Calcium				30200.0	30400.00	101			P
Cobalt				200.0	195.20	98			P
Chromium				200.0	197.80	99			P
Copper				200.0	199.80	100			P
Iron				30200.0	30740.00	102			P
Magnesium				30200.0	30820.00	102			P
Manganese				200.0	192.40	96			P
Sodium				30200.0	30880.00	102			P
Nickel				200.0	193.50	97			P
Potassium				30200.0	30870.00	102			P
Selenium				100.0	106.10	106			P
Thallium				100.0	101.50	102			P
Vanadium				200.0	200.60	100			P
Zinc				200.0	203.70	102			P

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	498.40	100	100.0	102.00	102	103.90	104	P
Arsenic	250.0	258.70	103	100.0	100.00	100	104.00	104	P
Cadmium	500.0	488.40	98	100.0	96.62	97	95.94	96	P
Manganese	500.0	473.50	95	200.0	185.70	93	187.00	94	P
Lead	1000.0	985.00	98	400.0	383.40	96	397.40	99	P

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Initial Calibration Verification Source: Inorganic Ventures/Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver				100.0	107.50	108			P
Arsenic				100.0	101.10	101			P
Cadmium				100.0	95.32	95			P
Manganese				200.0	189.20	95			P
Lead				400.0	396.70	99			P

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

Form IIA-IN

ILM05.4

USEPA-CLP FORMS
2B-IN
CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 136458
 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	0.26	130

(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.: 136458
 CRQL Check Standard Source: SPEX
 Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Aluminum	200.0	183.10 J	92	260.30	130
Antimony	60.0	67.39	112	65.29	109
Barium	200.0	200.20	100	201.90	101
Beryllium	5.0	4.99 J	100	5.01	100
Calcium	5000.0	5442.00	109	5467.00	109
Cobalt	50.0	50.70	101	49.83 J	100
Chromium	10.0	9.30 J	93	10.03	100
Copper	25.0	22.40 J	90	25.31	101
Iron	100.0	120.30	120	101.20	101
Magnesium	5000.0	5422.00	108	5473.00	109
Manganese	15.0	14.75 J	98	14.88 J	99
Sodium	5000.0	5451.00	109	5566.00	111
Nickel	40.0	40.12	100	41.37	103
Potassium	5000.0	5729.00	115	5840.00	117
Selenium	35.0	38.81	111	34.80 J	99
Thallium	25.0	25.20	101	24.96 J	100
Vanadium	50.0	50.09	100	50.12	100
Zinc	60.0	62.16	104	62.97	105

(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.: 136458
 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	7.44 J	74	8.80 J	88
Arsenic	10.0	8.60 J	86	10.38	104
Cadmium	5.0	5.16	103	4.47 J	89
Manganese	15.0	14.52 J	97	14.79 J	99
Lead	10.0	10.80	108	12.25	122

(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
BLANKSLab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Mercury	0.076	J	0.014	J	-0.012	J			0.019	J	CV

USEPA-CLP FORMS

3-IN
BLANKSLab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
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	13.690	J	60.000	U	P
Barium	200.000	U	200.000	U	-4.763	J	41.880	J	200.000	U	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	190.300	J	5000.000	U	P
Cobalt	1.069	J	50.000	U	50.000	U	50.000	U	50.000	U	P
Chromium	-0.618	J	10.000	U	10.000	U	-1.189	J	10.000	U	P
Copper	-2.347	J	25.000	U	25.000	U	6.248	J	25.000	U	P
Iron	-14.300	J	100.000	U	100.000	U	-64.940	J	100.000	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Manganese	-0.259	J	15.000	U	-0.279	J	-0.261	J	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	-12.800	J	40.000	U	P
Potassium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	205.300	J	P
Selenium	35.000	U	35.000	U	35.000	U	14.700	J	35.000	U	P
Thallium	25.000	U	25.000	U	25.000	U	-16.450	J	25.000	U	P
Vanadium	50.000	U	50.000	U	50.000	U	-7.688	J	50.000	U	P
Zinc	60.000	U	60.000	U	60.000	U	0.732	J	1.286	J	P

USEPA-CLP FORMS

3-IN
BLANKSLab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Silver	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Manganese	-0.168	J	0.197	J	1.449	J	15.000	U			P
Lead	10.000	U	3.862	J	10.000	U	10.000	U	10.000	U	P

USEPA-CLP FORMS

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458ICP-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
Aluminum	250000	250000	254000	102	253000	101	257000	103	256000	102
Antimony	0	600	-2.2		637	106	1.5		644	107
Barium	0	500	4.5		488	98	-2.5		478	96
Beryllium	0	500	-0.11		500	100	-0.15		505	101
Calcium	250000	250000	251000	100	250000	100	255000	102	253000	101
Cobalt	0	500	1.8		485	97	1.5		487	97
Chromium	0	500	-1.1		487	97	-1.0		494	99
Copper	0	500	-0.45		537	107	-0.44		544	109
Iron	100000	100000	100000	100	101000	101	103000	103	103000	103
Magnesium	250000	250000	247000	99	247000	99	252000	101	250000	100
Manganese	0	500	-2.2		477	95	-2.3		483	97
Sodium	0	0	38.5		17.3		5.8		9.2	
Nickel	0	1000	-5.2		950	95	-5.5		961	96
Potassium	0	0	93.1		153		258		134	
Selenium	0	50	-3.4		49.2	98	-2.6		48.1	96
Thallium	0	100	4.2		98.1	98	2.9		102	102
Vanadium	0	500	-2.7		493	99	-3.5		501	100
Zinc	0	1000	-5.2		1010	101	-5.4		1020	102

USEPA-CLP FORMS

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458ICP-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	-0.94		207	104	-0.56		220	110
Arsenic	0	100	-0.59		107	107	-2.7		106	106
Cadmium	0	1000	2.0		994	99	1.5		989	99
Manganese	0	500	-2.1		469	94	-2.2		478	96
Lead	0	50	1.1		43.1	86	-0.55		47.9	96

USEPA-CLP FORMS

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No: SDG NO.: 136458Solid 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	1.03	103						

USEPA-CLP FORMS

7-IN

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No: SDG NO.: 136458

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	490.40	98						
Aluminum	51000.0	49780.00	98						
Antimony	2000.0	1989.00	99						
Arsenic	1050.0	1104.00	105						
Barium	500.0	482.80	97						
Beryllium	500.0	494.70	99						
Calcium	50000.0	49270.00	99						
Cadmium	525.0	483.00	92						
Cobalt	500.0	481.30	96						
Chromium	500.0	479.20	96						
Copper	500.0	505.30	101						
Iron	50500.0	49340.00	98						
Magnesium	50000.0	48360.00	97						
Manganese	500.0	468.70	94						
Sodium	50000.0	48710.00	97						
Nickel	500.0	470.20	94						
Lead	1015.0	947.80	93						
Potassium	50000.0	50520.00	101						
Selenium	525.0	573.80	109						
Thallium	550.0	578.50	105						
Vanadium	500.0	501.30	100						
Zinc	500.0	503.00	101						

USEPA-CLP FORMS

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

D=5 CONTROLL

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458Matrix (soil/water): WATER Level (low/med): LOWConcentration Units: ug/L

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Difference	Q	M
		C			C				
Silver	10.00	U		50.00	U				P
Aluminum	20280.00			20215.00			0		P
Antimony	60.00	U		300.00	U				P
Arsenic	10.00	U		50.00	U				P
Barium	85.73	J		74.50	J		13		P
Beryllium	2.21	J		2.33	J		5		P
Calcium	18970.00			18585.00	J		2		P
Cadmium	5.00	U		25.00	U				P
Cobalt	46.81	J		43.49	J		7		P
Chromium	20.34			19.17	J		6		P
Copper	13.35	J		125.00	U		100		P
Iron	6460.00			6380.00			1		P
Magnesium	8626.00			8610.00	J		0		P
Manganese	2131.00			2092.00			2		P
Sodium	27930.00			28030.00			0		P
Nickel	211.50			208.55			1		P
Lead	11.66			50.00	U		100		P
Potassium	13980.00			14420.00	J		3		P
Selenium	35.00	U		175.00	U				P
Thallium	25.00	U		125.00	U				P
Vanadium	8.38	J		250.00	U		100		P
Zinc	41.26	J		41.68	J		1		P

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLV Case No.: LASS NRAS No.: SDG No.: 136458Instrument Type: CV Instrument ID: LEEMAN HYDRA AA (2) Date: 12/17/2008Preparation Method: CW1Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Mercury	253.70	0.2	0.011

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLV Case No.: LASS NRAS No.: SDG No.: 136458Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/22/2009Preparation Method: NP1Concentration 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: 29000Lab Code: STLV Case No.: LASS NRAS No.: SDG No.: 136458Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/30/2009Preparation Method: HW1Concentration 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.: 136458
 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.: 136458
 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.: 136458
 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.: 136458
 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.: 136458
 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: 29000Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG NO.: 136458ICP Instrument ID: TJA ICAP 7 Date: 01/02/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Aluminum	60.00	600000.0	P
Antimony	20.00	10000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Beryllium	20.00	10000.0	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	10000.0	P
Iron	20.00	300000.0	P
Magnesium	20.00	600000.0	P
Manganese	20.00	10000.0	P
Sodium	20.00	100000.0	P
Nickel	20.00	10000.0	P
Lead	20.00	4000.0	P
Potassium	20.00	100000.0	P
Selenium	20.00	2000.0	P
Thallium	20.00	5000.0	P
Vanadium	20.00	10000.0	P
Zinc	20.00	10000.0	P

Comments: _____

ILM05.4

Form XI-IN

USEPA-CLP FORMS

12-IN

PREPARATION LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: LASS

NRAS No.: _____

SDG NO.: 136458Preparation Method: CW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PEW032410A	03/24/2010		50
LCSW032410A	03/24/2010		50
D=5 CONTROL	03/24/2010		50
D=5 1.5% HIGH	03/24/2010		50
D=5 1.5% MEDIUM	03/24/2010		50
D=5 1.75% HIGH	03/24/2010		50
D=5 1.75% MEDIUM	03/24/2010		50
D=5 2% HIGH	03/24/2010		50
D=5 2% MEDIUM	03/24/2010		50

Comments: _____

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 136458Instrument ID: TJA ICAP 7 Analysis Method: PStart Date: 03/25/2010 End Date: 03/25/2010

EPA Sample NO.	D/F	Time	Analytes																									
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N	C N		
S0	1.0	1135	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
STD7	1.0	1139	X						X				X		X				X			X						
STD8	1.0	1142		X															X			X						
STD4	1.0	1146				X	X			X	X	X				X		X						X	X			
ICV	1.0	1150	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
ICB	1.0	1154	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
CRI	1.0	1158	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
ICSA	1.0	1202	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
ICSAB	1.0	1205	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
CCV	1.0	1209	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
CCB	1.0	1213	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
PBW032410B	1.0	1217	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
LCSW032410B	1.0	1221	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
D=5 CONTROL	1.0	1225	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
D=5 CONTROLL	5.0	1228	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
D=5 1.5% HIGH	1.0	1232	X	X		X	X		X	X	X	X	X		X			X	X	X		X	X	X	X			
D=5 1.5% MEDIUM	1.0	1236	X	X		X	X		X	X	X	X	X		X			X	X	X		X	X	X	X			
D=5 1.75% HIGH	1.0	1240	X	X		X	X		X	X	X	X	X		X			X	X	X		X	X	X	X			
D=5 1.75% MEDIUM	1.0	1244	X	X		X	X		X	X	X	X	X		X			X	X	X		X	X	X	X			
D=5 2% HIGH	1.0	1248	X	X		X	X		X	X	X	X	X		X			X	X	X		X	X	X	X			
D=5 2% MEDIUM	1.0	1252	X	X		X	X		X	X	X	X	X		X			X	X	X		X	X	X	X			
CCV	1.0	1256	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
CCB	1.0	1300	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
CRI	1.0	1304	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
ICSA	1.0	1307	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
ICSAB	1.0	1311	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
CCV	1.0	1315	X	X		X	X		X	X	X	X	X		X	X		X	X	X		X	X	X	X			
CCB	1.0	1319	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.: 136458

Instrument ID: TJA ICAP 7 Analysis Method: P

Start Date: 03/25/2010 End Date: 03/25/2010

EPA Sample NO.	D/F	Time	Analytes																	
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K S	S E
S0	1.0	1936			X			X					X	X					X	
STD7	1.0	1940																		
STD8	1.0	1944			X								X							
STD4	1.0	1948						X						X					X	
ICV	1.0	1951			X			X					X	X					X	
ICB	1.0	1955			X			X					X	X					X	
CRI	1.0	1959			X			X					X	X					X	
ICSA	1.0	2003			X			X					X	X					X	
ICSAB	1.0	2007			X			X					X	X					X	
CCV	1.0	2010			X			X					X	X					X	
CCB	1.0	2014			X			X					X	X					X	
PBW032410B	1.0	2018			X			X					X						X	
LCSW032410B	1.0	2022			X			X					X						X	
D=5 CONTROL	1.0	2026			X			X					X						X	
D=5 CONTROLL	5.0	2030			X			X					X						X	
D=5 1.5% HIGH	1.0	2033			X			X					X						X	
D=5 1.5% MEDIUM	1.0	2037			X			X					X						X	
D=5 1.75% HIGH	1.0	2041			X			X					X						X	
D=5 1.75% MEDIUM	1.0	2045			X			X					X						X	
D=5 2% HIGH	1.0	2049			X			X					X						X	
D=5 2% MEDIUM	1.0	2053			X			X					X						X	
CCV	1.0	2057			X			X					X	X					X	
CCB	1.0	2101			X			X					X	X					X	
D=5 1.5% HIGH	10	2105													X					
D=5 1.5% MEDIUM	10	2108													X					
D=5 1.75% HIGH	10	2112													X					
D=5 1.75% MEDIUM	10	2116													X					
D=5 2% HIGH	10	2120													X					
D=5 2% MEDIUM	10	2124													X					
CRI	1.0	2128			X			X					X	X					X	
ICSA	1.0	2132			X			X					X	X					X	
ICSAB	1.0	2135			X			X					X	X					X	
CCV	1.0	2139			X			X					X	X					X	
CCB	1.0	2143			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.: 136458

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

Start Date: 03/25/2010 End Date: 03/25/2010

EPA Sample NO.	D/F	Time	Analytes																									
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N		
S0	1.0	1057															X											
S0.2	1.0	1059															X											
S0.5	1.0	1101															X											
S1	1.0	1104															X											
S5	1.0	1106															X											
S10	1.0	1108															X											
ICV	1.0	1111															X											
ICB	1.0	1113															X											
CRI	1.0	1114															X											
CCV	1.0	1117															X											
CCB	1.0	1119															X											
PBW032410A	1.0	1121															X											
LCSW032410A	1.0	1123															X											
D=5 CONTROL	1.0	1125															X											
D=5 1.5% HIGH	1.0	1127															X											
D=5 1.5% MEDIUM	1.0	1129															X											
D=5 1.75% HIGH	1.0	1131															X											
D=5 1.75% MEDIUM	1.0	1134															X											
D=5 2% HIGH	1.0	1136															X											
D=5 2% MEDIUM	1.0	1138															X											
CRI	1.0	1141															X											
CCV	1.0	1143															X											
CCB	1.0	1145															X											



Supportive Documentation – Metals



Mercury Analysis

TestAmerica Burlington

Runlog Review Report

Analyzed by: ALS

Date: 3/25/2010

Reviewed by: ALS

Date: 3/25/10

QC Review by: ALS

Date: 3-25-10

Leeman Hydra AA (2)

Mercury ILM05.3

QC use: Cal#:

Prep#

Inst#:

Seq Sample ID	Analysis		DF	Matrix	Data File	Prep Batch	Analyst Comments
	Date	Time					
1. Std01Rep1	3/25/2010	10:57	1	WATER	032510AA.PRN		
2. Std02Rep1	3/25/2010	10:59	1	WATER	032510AA.PRN		
3. Std03Rep1	3/25/2010	11:01	1	WATER	032510AA.PRN		
4. Std04Rep1	3/25/2010	11:04	1	WATER	032510AA.PRN		
5. Std05Rep1	3/25/2010	11:06	1	WATER	032510AA.PRN		
6. Std06Rep1	3/25/2010	11:08	1	WATER	032510AA.PRN		
7. ICV1	3/25/2010	11:11	1	WATER	032510AA.PRN		
8. ICB1	3/25/2010	11:13	1	WATER	032510AA.PRN		
9. CRDL1	3/25/2010	11:14	1	WATER	032510AA.PRN		
10. CCV1	3/25/2010	11:17	1	WATER	032510AA.PRN		
11. CCB1	3/25/2010	11:19	1	WATER	032510AA.PRN		
12. PBW032410A	3/25/2010	11:21	1	WATER	032510AA.PRN	PBHGWO3241	
13. LCSW032410A	3/25/2010	11:23	1	WATER	032510AA.PRN	PBHGWO3241	
14. 823376	3/25/2010	11:25	1	WATER	032510AA.PRN	PBHGWO3241	
15. 823377	3/25/2010	11:27	1	WATER	032510AA.PRN	PBHGWO3241	
16. 823378	3/25/2010	11:29	1	WATER	032510AA.PRN	PBHGWO3241	
17. 823380	3/25/2010	11:31	1	WATER	032510AA.PRN	PBHGWO3241	
18. 823381	3/25/2010	11:34	1	WATER	032510AA.PRN	PBHGWO3241	
19. 823382	3/25/2010	11:36	1	WATER	032510AA.PRN	PBHGWO3241	
20. 823383	3/25/2010	11:38	1	WATER	032510AA.PRN	PBHGWO3241	
21. CRDL2	3/25/2010	11:41	1	WATER	032510AA.PRN		
22. CCV2	3/25/2010	11:43	1	WATER	032510AA.PRN		
23. CCB2	3/25/2010	11:45	1	WATER	032510AA.PRN		

Analytical Review Report

Date Printed: 3/25/10

Data File: 032510AA.PRN

Truevalue List: HG_ILM05.4

Leeman Hydra AA (2)

Analysis Start Date: 3/25/2010

Start Time: 10:57

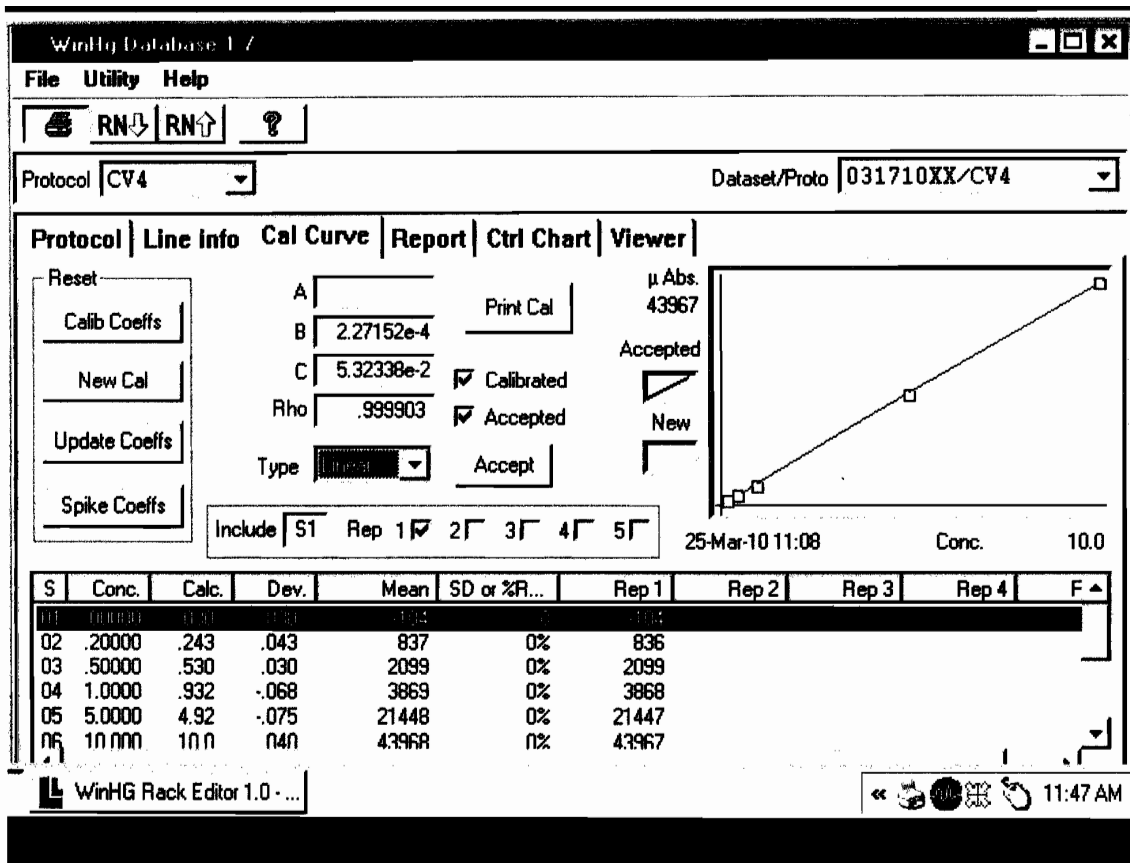
Mercury ILM05.3

Analysis End Date: 3/25/2010

End Time: 11:45

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	3.060	0.000	0.000	0.00	3.06	102.0	3.0	80	120
ICB1	1	PASS	0.076	0.000	0.000	0.00	0.076				+/-0.20
CRDL1	1	PASS	0.228	0.000	0.000	0.00	0.23	115.0	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	0.014	0.000	0.000	0.00	0.014				+/-0.20
CRDL2	1	PASS	0.257	0.000	0.000	0.00	0.26	130.0	0.2	70	130
CCV2	1	PASS	5.230	0.000	0.000	0.00	5.23	105.0	5.0	80	120
CCB2	1	PASS	-0.012	0.000	0.000	0.00	-0.012				+/-0.20
Quality Control and Field Samples											
PBW032410A	1	PASS	0.019	0.000	0.000	0.00	0.019				+/-0.20
LCSW032410A	1	PASS	1.030	0.000	0.000	0.00	1.03	103.0	1.0	80.0	120.0
823376	1	PASS	0.028	0.000	0.000	0.00	0.028				
823377	1	PASS	0.087	0.000	0.000	0.00	0.087				
823378	1	PASS	0.056	0.000	0.000	0.00	0.056				
823380	1	PASS	0.056	0.000	0.000	0.00	0.056				
823381	1	PASS	0.074	0.000	0.000	0.00	0.074				
823382	1	PASS	0.034	0.000	0.000	0.00	0.034				
823383	1	PASS	0.077	0.000	0.000	0.00	0.077				

MAC - C.011
3/25/10



10:57:17 25 Mar 2010

Folder: 031710XX
Protocol: CV4

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 57		10:57:17 25 Mar 10		HG
Hg	.000	ppb	-104					
*** Standard: 2 Rep: 1				Seq: 58		10:59:25 25 Mar 10		HG
Hg	.200	ppb	836					
*** Standard: 3 Rep: 1				Seq: 59		11:01:23 25 Mar 10		HG
Hg	.500	ppb	2099					
*** Standard: 4 Rep: 1				Seq: 60		11:04:12 25 Mar 10		HG
Hg	1.00	ppb	3868					
*** Standard: 5 Rep: 1				Seq: 61		11:06:11 25 Mar 10		HG
Hg	5.00	ppb	21447					
*** Standard: 6 Rep: 1				Seq: 62		11:08:26 25 Mar 10		HG
Hg	10.0	ppb	43967					
*** Sample ID: ICV			032510BB	Seq: 63		11:11:00 25 Mar 10		HG
Hg	3.06	ppb	13256					
*** Sample ID: ICB			032510BB	Seq: 64		11:13:02 25 Mar 10		HG
Hg	.076	ppb	102					
*** Sample ID: CRI			032510BB	Seq: 65		11:14:59 25 Mar 10		HG
Hg	.228	ppb	771					
*** Sample ID: CCV			032510BB	Seq: 66		11:17:15 25 Mar 10		HG
Hg	5.15	ppb	22449					
*** Sample ID: CCB			032510BB	Seq: 67		11:19:07 25 Mar 10		HG
Hg	.014	ppb	-171					
*** Sample ID: PBW032410A			032510BB	Seq: 68		11:21:06 25 Mar 10		HG
Hg	.019	ppb	-151					

11:23:09 25 Mar 2010

Folder: 031710XX
Protocol: CV4

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: LCSW032410	032510BB	Seq: 69	11:23:09 25 Mar 10	HG				
Hg	1.03	ppb	4299					
*** Sample ID: 823376	032510BB	Seq: 70	11:25:12 25 Mar 10	HG				
Hg	.028	ppb	-112					
*** Sample ID: 823377	032510BB	Seq: 71	11:27:18 25 Mar 10	HG				
Hg	.087	ppb	150					
*** Sample ID: 823378	032510BB	Seq: 72	11:29:11 25 Mar 10	HG				
Hg	.056	ppb	10					
*** Sample ID: 823380	032510BB	Seq: 73	11:31:15 25 Mar 10	HG				
Hg	.056	ppb	14					
*** Sample ID: 823381	032510BB	Seq: 74	11:34:09 25 Mar 10	HG				
Hg	.074	ppb	93					
*** Sample ID: 823382	032510BB	Seq: 75	11:36:24 25 Mar 10	HG				
Hg	.034	ppb	-85					
*** Sample ID: 823383	032510BB	Seq: 76	11:38:23 25 Mar 10	HG				
Hg	.077	ppb	104					
*** Sample ID: CRI	032510BB	Seq: 77	11:41:26 25 Mar 10	HG				
Hg	.257	ppb	898					
*** Sample ID: CCV	032510BB	Seq: 78	11:43:29 25 Mar 10	HG				
Hg	5.23	ppb	22809					
*** Sample ID: CCB	032510BB	Seq: 79	11:45:23 25 Mar 10	HG				
Hg	-.012	ppb	-286					



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: BAA

Date: 3/25/2010

Reviewed by: *Alu*

Date: 3/25/10

QC Review by: *BLO*

Date: 3-26-10

TJA ICAP 7

ICP Metals ILM05.3

QC use: Cal#:

Prep#

Inst#:

Seq Sample ID	Analysis Date	Time	DF	Matrix	Data File	Prep Batch	Analyst Comments
1. S0	3/25/2010	11:35:20	1	WATER	032510-01.txt		<i>Fl</i>
2. STD7	3/25/2010	11:39:10	1	WATER	032510-01.txt		<i>Ba</i>
3. STD8	3/25/2010	11:42:58	1	WATER	032510-01.txt		<i>BC</i>
4. STD4	3/25/2010	11:46:52	1	WATER	032510-01.txt		<i>Ca</i>
5. ICV1	3/25/2010	11:50:41	1	WATER	032510-01.txt		<i>Co</i>
6. ICB1	3/25/2010	11:54:29	1	WATER	032510-01.txt		<i>Cr</i>
7. CRI1	3/25/2010	11:58:20	1	WATER	032510-01.txt		<i>Cl</i>
8. ICSA1	3/25/2010	12:02:10	1	WATER	032510-01.txt		<i>Fe</i>
9. ICSAB1	3/25/2010	12:05:58	1	WATER	032510-01.txt		<i>K</i>
10. CCV1	3/25/2010	12:09:45	1	WATER	032510-01.txt		<i>Mg</i>
11. CCB1	3/25/2010	12:13:33	1	WATER	032510-01.txt		<i>Mn</i>
12. PBW032410B	3/25/2010	12:17:23	1	WATER	032510-01.txt	PBICPW0324	<i>Nac</i>
13. LCSW032410B	3/25/2010	12:21:13	1	WATER	032510-01.txt	PBICPW0324	<i>Ni</i>
14. 823376	3/25/2010	12:25:03	1	WATER	032510-01.txt	PBICPW0324	<i>Sn</i>
15. 823376LX5	3/25/2010	12:28:54	1	WATER	032510-01.txt		<i>Se</i>
16. 823377 <i>over flow</i>	3/25/2010	12:32:46	1	WATER	032510-01.txt	PBICPW0324	<i>Ti</i>
17. 823378	3/25/2010	12:36:43	1	WATER	032510-01.txt	PBICPW0324	<i>V</i>
18. 823380	3/25/2010	12:40:39	1	WATER	032510-01.txt	PBICPW0324	<i>Zn</i>
19. 823381	3/25/2010	12:44:34	1	WATER	032510-01.txt	PBICPW0324	
20. 823382	3/25/2010	12:48:30	1	WATER	032510-01.txt	PBICPW0324	
21. 823383	3/25/2010	12:52:26	1	WATER	032510-01.txt	PBICPW0324	
22. CCV2	3/25/2010	12:56:21	1	WATER	032510-01.txt		
23. CCB2	3/25/2010	13:00:09	1	WATER	032510-01.txt		
24. CRI2	3/25/2010	13:04:01	1	WATER	032510-01.txt		
25. ICSA2	3/25/2010	13:07:51	1	WATER	032510-01.txt		
26. ICSAB2	3/25/2010	13:11:41	1	WATER	032510-01.txt		
27. CCV3	3/25/2010	13:15:29	1	WATER	032510-01.txt		
28. CCB3	3/25/2010	13:19:18	1	WATER	032510-01.txt		

Analytical Review Report

Data File: 032510-01.txt

Date Printed: 3/25/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.002	0.000	0.000	59.95	-0.002				
STD7	1		2.744	0.000	0.000	0.25	2.7				
ICV1	1	PASS	26500.000	26880.000	26130.000	2.01	26500.00	102.0	26000.0	90	110
ICB1	1	PASS	0.764	-23.040	24.570	4407.00	0.764				+/-200.00
CRI1	1	PASS	183.100	213.300	152.800	23.38	183.10	92.0	200.0	70	130
ICSA1	1	PASS	253800.000	253200.000	254300.000	0.29	254000	102.0	250000	80	120
ICSAB1	1	PASS	253100.000	252300.000	253900.000	0.44	253000	101.0	250000	80	120
CCV1	1	PASS	30380.000	30410.000	30350.000	0.14	30380.00	101.0	30200.0	90	110
CCB1	1	PASS	32.700	39.800	25.610	30.69	32.700				+/-200.00
CCV2	1	PASS	30440.000	30390.000	30500.000	0.25	30440.00	101.0	30200.0	90	110
CCB2	1	PASS	38.500	40.290	36.700	6.60	38.500				+/-200.00
CRI2	1	PASS	260.300	263.800	256.800	1.92	260.30	130.0	200.0	70	130
ICSA2	1	PASS	257400.000	258300.000	256500.000	0.48	257000	103.0	250000	80	120
ICSAB2	1	PASS	256000.000	255900.000	256100.000	0.05	256000	102.0	250000	80	120
CCV3	1	PASS	30590.000	30620.000	30570.000	0.12	30590.00	101.0	30200.0	90	110
CCB3	1	PASS	-12.520	50.500	-75.540	711.60	-12.520				+/-200.00
Quality Control and Field Samples											
PBW032410B	1	PASS	13.770	-11.970	39.520	264.30	13.770				+/-200.00
LCSW032410B	1	PASS	49780.000	49800.000	49750.000	0.08	49780.00	98.0	51000.0	80.0	120.0
823376	1	PASS	20280.000	20300.000	20260.000	0.15	20300				
823376LX5	1	PASS	4043.000	4056.000	4030.000	0.45	4040				
823377	1	PASS	14730.000	14780.000	14670.000	0.55	14700				
823378	1	PASS	16070.000	16120.000	16020.000	0.43	16100				
823380	1	PASS	15390.000	15380.000	15400.000	0.10	15400				
823381	1	PASS	14580.000	14610.000	14550.000	0.26	14600				
823382	1	PASS	14170.000	14120.000	14220.000	0.49	14200				
823383	1	PASS	15400.000	15440.000	15360.000	0.37	15400				

Analytical Review Report

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TJA ICAP 7

ICP Metals ILM05.3

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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											
S0	1		0.000	0.000	0.000	5.69	-0.000				
STD4	1		0.094	0.000	0.000	0.09	0.094				
ICV1	1	PASS	493.400	501.400	485.300	2.30	493.40	99.0	500.0	90	110
ICB1	1	PASS	-4.255	-3.193	-5.316	35.28	-4.255				+/-200.00
CRI1	1	PASS	200.200	202.100	198.300	1.35	200.20	100.0	200.0	70	130
ICSA1	1	FAIL	4.470	8.416	0.525	124.80	4.5				0
ICSAB1	1	PASS	487.600	482.700	492.500	1.42	488	98.0	500	80	120
CCV1	1	PASS	192.800	191.900	193.800	0.70	192.80	96.0	200.0	90	110
CCB1	1	PASS	1.534	2.349	0.719	75.10	1.534				+/-200.00
CCV2	1	PASS	191.300	192.900	189.800	1.15	191.30	96.0	200.0	90	110
CCB2	1	PASS	-4.763	-6.352	-3.173	47.20	-4.763				+/-200.00
CRI2	1	PASS	201.900	206.000	197.900	2.86	201.90	101.0	200.0	70	130
ICSA2	1	FAIL	-2.472	-8.012	3.068	316.90	-2.5				0
ICSAB2	1	PASS	478.300	480.600	475.900	0.70	478	96.0	500	80	120
CCV3	1	PASS	196.200	184.300	208.100	8.59	196.20	98.0	200.0	90	110
CCB3	1	PASS	41.880	-2.584	86.340	150.10	41.880				+/-200.00
Quality Control and Field Samples											
PBW032410B	1	PASS	-0.934	0.932	-2.801	282.60	-0.934				+/-200.00
LCSW032410B	1	PASS	482.800	479.400	486.200	0.99	482.80	97.0	500.0	80.0	120.0
823376	1	PASS	85.730	84.550	86.910	1.95	85.7				
823376LX5	1	PASS	14.900	13.520	16.280	13.13	14.9				
823377	1	PASS	57.880	54.860	60.910	7.39	57.9				
823378	1	PASS	66.750	65.590	67.920	2.46	66.8				
823380	1	PASS	59.410	56.330	62.500	7.34	59.4				
823381	1	PASS	54.350	55.250	53.450	2.34	54.4				
823382	1	PASS	47.200	47.480	46.920	0.83	47.2				
823383	1	PASS	62.700	55.140	70.250	17.04	62.7				

Analytical Review Report

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Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.002	0.000	0.000	76.56	-0.002				
STD4	1		2.966	0.000	0.000	0.33	3.0				
ICV1	1	PASS	507.500	515.100	499.900	2.12	507.50	102.0	500.0	90	110
ICB1	1	PASS	0.105	0.110	0.100	6.57	0.105				+/-5.00
CRI1	1	PASS	4.989	5.090	4.887	2.88	4.99	100.0	5.0	70	130
ICSA1	1	FAIL	-0.114	-0.113	-0.115	1.38	-0.11				0
ICSAB1	1	PASS	500.300	499.300	501.300	0.29	500	100.0	500	80	120
CCV1	1	PASS	99.310	99.340	99.270	0.05	99.31	99.0	100.0	90	110
CCB1	1	PASS	0.081	0.001	0.160	139.20	0.081				+/-5.00
CCV2	1	PASS	99.960	100.200	99.710	0.36	99.96	100.0	100.0	90	110
CCB2	1	PASS	-0.078	-0.006	-0.150	130.20	-0.078				+/-5.00
CRI2	1	PASS	5.007	5.061	4.954	1.52	5.01	100.0	5.0	70	130
ICSA2	1	FAIL	-0.154	-0.378	0.070	205.30	-0.15				0
ICSAB2	1	PASS	505.200	505.600	504.800	0.11	505	101.0	500	80	120
CCV3	1	PASS	100.100	100.300	100.000	0.17	100.10	100.0	100.0	90	110
CCB3	1	PASS	0.059	-0.106	0.224	395.20	0.059				+/-5.00
Quality Control and Field Samples											
PBW032410B	1	PASS	-0.137	-0.122	-0.152	15.30	-0.137				+/-5.00
LCSW032410B	1	PASS	494.700	494.100	495.300	0.17	494.70	99.0	500.0	80.0	120.0
823376	1	PASS	2.212	2.029	2.395	11.70	2.2				
823376LX5	1	PASS	0.466	0.341	0.590	37.90	0.47				
823377	1	PASS	1.969	2.079	1.859	7.93	2.0				
823378	1	PASS	2.030	1.902	2.158	8.92	2.0				
823380	1	PASS	2.092	2.111	2.074	1.28	2.1				
823381	1	PASS	1.967	2.275	1.659	22.15	2.0				
823382	1	PASS	1.804	1.833	1.775	2.27	1.8				
823383	1	PASS	2.133	2.109	2.156	1.58	2.1				

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Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.000	0.000	0.000	66.37	0.000				
STD7	1		0.916	0.000	0.000	0.22	0.92				
ICV1	1	PASS	25650.000	26030.000	25270.000	2.12	25650.00 \ 103.0	25000.0	90	110	
ICB1	1	PASS	15.310	-4.342	34.960	181.50	15.310				+/-5000.00
CRI1	1	PASS	5442.000	5453.000	5432.000	0.27	5442.00 \ 109.0	5000.0	70	130	
ICSA1	1	PASS	251200.000	251000.000	251400.000	0.11	251000 \ 100.0	250000	80	120	
ICSAB1	1	PASS	250400.000	249600.000	251200.000	0.46	250000 \ 100.0	250000	80	120	
CCV1	1	PASS	30050.000	30200.000	29900.000	0.71	30050.00 \ 100.0	30200.0	90	110	
CCB1	1	PASS	35.820	39.490	32.150	14.49	35.820				+/-5000.00
CCV2	1	PASS	30120.000	30220.000	30020.000	0.46	30120.00 \ 100.0	30200.0	90	110	
CCB2	1	PASS	27.480	20.990	33.980	33.44	27.480				+/-5000.00
CRI2	1	PASS	5467.000	5419.000	5516.000	1.26	5467.00 \ 109.0	5000.0	70	130	
ICSA2	1	PASS	255300.000	256100.000	254500.000	0.43	255000 \ 102.0	250000	80	120	
ICSAB2	1	PASS	253400.000	253700.000	253100.000	0.16	253000 \ 101.0	250000	80	120	
CCV3	1	PASS	30400.000	30430.000	30360.000	0.15	30400.00 \ 101.0	30200.0	90	110	
CCB3	1	PASS	190.300	35.850	344.800	114.80	190.300				+/-5000.00
Quality Control and Field Samples											
PBW032410B	1	PASS	61.920	14.260	109.600	108.90	61.920				+/-5000.00
LCSW032410B	1	PASS	49270.000	49220.000	49320.000	0.14	49270.00 \ 99.0	50000.0	80.0	120.0	
823376	1	PASS	18970.000	19010.000	18930.000	0.31	19000				
823376LX5	1	PASS	3717.000	3730.000	3703.000	0.51	3720				
823377	1	PASS	17640.000	17690.000	17580.000	0.43	17600				
823378	1	PASS	17930.000	17940.000	17930.000	0.04	17900				
823380	1	PASS	18200.000	18180.000	18210.000	0.11	18200				
823381	1	PASS	16610.000	16640.000	16590.000	0.17	16600				
823382	1	PASS	16660.000	16720.000	16610.000	0.49	16700				
823383	1	PASS	17710.000	17720.000	17700.000	0.10	17700				

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TJA ICAP 7

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ICP Metals ILM05.3

Analysis End Date: 3/25/2010

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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											
S0	1		-0.012	0.000	0.000	7.60	-0.012				
STD4	1		1.180	0.000	0.000	0.13	1.2				
ICV1	1	PASS	487.300	486.500	488.100	0.24	487.30	97.0	500.0	90	110
ICB1	1	PASS	1.069	0.056	2.082	134.10	1.069				+/-50.00
CRI1	1	PASS	50.700	50.990	50.400	0.83	50.70	101.0	50.0	70	130
ICSA1	1	FAIL	1.821	1.374	2.267	34.68	1.8				0
ICSAB1	1	PASS	484.900	485.200	484.600	0.09	485	97.0	500	80	120
CCV1	1	PASS	193.200	193.700	192.700	0.39	193.20	97.0	200.0	90	110
CCB1	1	PASS	0.624	0.721	0.527	22.05	0.624				+/-50.00
CCV2	1	PASS	195.400	195.500	195.300	0.08	195.40	98.0	200.0	90	110
CCB2	1	PASS	0.268	0.431	0.104	86.31	0.268				+/-50.00
CRI2	1	PASS	49.830	49.580	50.080	0.71	49.83	100.0	50.0	70	130
ICSA2	1	FAIL	1.505	1.441	1.569	6.03	1.5				0
ICSAB2	1	PASS	487.400	487.300	487.500	0.03	487	97.0	500	80	120
CCV3	1	PASS	195.200	194.000	196.300	0.86	195.20	98.0	200.0	90	110
CCB3	1	PASS	0.850	-1.985	3.684	471.80	0.850				+/-50.00
Quality Control and Field Samples											
PBW032410B	1	PASS	0.833	0.724	0.942	18.50	0.833				+/-50.00
LCSW032410B	1	PASS	481.300	481.400	481.300	0.01	481.30	96.0	500.0	80.0	120.0
823376	1	PASS	46.810	46.810	46.820	0.00	46.8				
823376LX5	1	PASS	8.697	9.072	8.323	6.09	8.7				
823377	1	PASS	2.969	2.541	3.396	20.36	3.0				
823378	1	PASS	3.562	3.651	3.473	3.53	3.6				
823380	1	PASS	2.969	4.051	1.887	51.53	3.0				
823381	1	PASS	3.491	3.923	3.059	17.51	3.5				
823382	1	PASS	2.259	3.067	1.451	50.59	2.3				
823383	1	PASS	4.159	4.007	4.311	5.17	4.2				

Analytical Review Report

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TJA ICAP 7

ICP Metals ILM05.3

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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											
S0	1		-0.002	0.000	0.000	74.89	-0.002				
STD4	1		1.832	0.000	0.000	0.15	1.8				
ICV1	1	PASS	488.600	488.500	488.600	0.01	488.60	98.0	500.0	90	110
ICB1	1	PASS	-0.618	-0.343	-0.892	62.82	-0.618				+/-10.00
CRI1	1	PASS	9.301	8.987	9.614	4.76	9.30	93.0	10.0	70	130
ICSA1	1	FAIL	-1.127	-1.151	-1.102	3.08	-1.1				0
ICSAB1	1	PASS	487.000	486.900	487.200	0.05	487	97.0	500	80	120
CCV1	1	PASS	194.000	193.900	194.000	0.05	194.00	97.0	200.0	90	110
CCB1	1	PASS	-0.176	-0.162	-0.191	11.42	-0.176				+/-10.00
CCV2	1	PASS	196.200	196.300	196.100	0.05	196.20	98.0	200.0	90	110
CCB2	1	PASS	-0.291	-0.455	-0.128	79.42	-0.291				+/-10.00
CRI2	1	PASS	10.030	9.891	10.170	1.96	10.03	100.0	10.0	70	130
ICSA2	1	FAIL	-1.022	-1.121	-0.923	13.70	-1.0				0
ICSAB2	1	PASS	493.500	492.400	494.600	0.32	494	99.0	500	80	120
CCV3	1	PASS	197.800	197.500	198.100	0.20	197.80	99.0	200.0	90	110
CCB3	1	PASS	-1.189	-1.730	-0.648	64.33	-1.189				+/-10.00
Quality Control and Field Samples											
PBW032410B	1	PASS	-0.079	-0.271	0.114	347.10	-0.079				+/-10.00
LCSW032410B	1	PASS	479.200	478.300	480.100	0.26	479.20	96.0	500.0	80.0	120.0
823376	1	PASS	20.340	20.470	20.210	0.92	20.3				
823376LX5	1	PASS	3.833	4.148	3.517	11.65	3.8				
823377	1	PASS	85.180	85.460	84.900	0.46	85.2				
823378	1	PASS	56.270	55.870	56.660	0.99	56.3				
823380	1	PASS	90.160	90.290	90.040	0.19	90.2				
823381	1	PASS	52.510	52.770	52.250	0.70	52.5				
823382	1	PASS	81.840	81.660	82.020	0.31	81.8				
823383	1	PASS	56.020	55.530	56.510	1.23	56.0				

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TJA ICAP 7

ICP Metals ILM05.3

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Analysis End Date: 3/25/2010

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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											
S0	1		0.160	0.000	0.000	5.78	0.16				
STD4	1		7.036	0.000	0.000	0.05	7.0				
ICV1	1	PASS	496.800	499.000	494.600	0.62	496.80	99.0	500.0	90	110
ICB1	1	PASS	-2.347	-3.183	-1.510	50.40	-2.347				+/-25.00
CRI1	1	PASS	22.400	22.360	22.440	0.26	22.40	90.0	25.0	70	130
ICSA1	1	FAIL	-0.445	-0.969	0.078	166.00	-0.45				0
ICSAB1	1	PASS	537.000	534.900	539.100	0.55	537	107.0	500	80	120
CCV1	1	PASS	198.100	197.900	198.400	0.17	198.10	99.0	200.0	90	110
CCB1	1	PASS	-1.279	-0.622	-1.936	72.63	-1.279				+/-25.00
CCV2	1	PASS	201.200	203.000	199.400	1.26	201.20	101.0	200.0	90	110
CCB2	1	PASS	-1.252	-1.748	-0.755	56.10	-1.252				+/-25.00
CRI2	1	PASS	25.310	25.130	25.490	1.01	25.31	101.0	25.0	70	130
ICSA2	1	FAIL	-0.443	-0.581	-0.305	44.07	-0.44				0
ICSAB2	1	PASS	544.300	545.800	542.900	0.38	544	109.0	500	80	120
CCV3	1	PASS	199.800	201.700	197.900	1.34	199.80	100.0	200.0	90	110
CCB3	1	PASS	6.248	-0.801	13.300	159.60	6.248				+/-25.00
Quality Control and Field Samples											
PBW032410B	1	PASS	-0.828	-1.027	-0.630	33.89	-0.829				+/-25.00
LCSW032410B	1	PASS	505.300	504.600	505.900	0.19	505.30	101.0	500.0	80.0	120.0
823376	1	PASS	13.350	11.020	15.680	24.67	13.4				
823376LX5	1	PASS	1.910	2.833	0.986	68.40	1.9				
823377	1	PASS	2.943	3.595	2.292	31.31	2.9				
823378	1	PASS	7.040	5.263	8.818	35.70	7.0				
823380	1	PASS	2.977	3.942	2.011	45.86	3.0				
823381	1	PASS	3.857	4.044	3.670	6.86	3.9				
823382	1	PASS	1.785	0.939	2.631	67.02	1.8				
823383	1	PASS	4.389	3.677	5.101	22.94	4.4				

TestAmerica Burlington

Fe-LL2

Analytical Review Report

Data File: 032510-01.txt

Date Printed: 3/25/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Start Time: 11:35:2

Analysis End Date: 3/25/2010

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.022	0.000	0.000	2.20	-0.022				
STD7	1		11.410	0.000	0.000	0.13	11.4				
ICV1	1	PASS	25570.000	25710.000	25440.000	0.75	25570.00	100.0	25500.0	90	110
ICB1	1	PASS	-14.300	-33.800	5.206	192.90	-14.300				+/-100.00
CRI1	1	PASS	120.300	117.700	122.900	3.03	120.30	120.0	100.0	70	130
ICSA1	1	PASS	100400.000	100500.000	100400.000	0.05	100000	100.0	100000	80	120
ICSAB1	1	PASS	100700.000	100500.000	100800.000	0.22	101000	101.0	100000	80	120
CCV1	1	PASS	29920.000	29970.000	29870.000	0.25	29920.00	99.0	30200.0	90	110
CCB1	1	PASS	-6.776	-23.380	9.830	346.60	-6.776				+/-100.00
CCV2	1	PASS	30340.000	30420.000	30260.000	0.38	30340.00	100.0	30200.0	90	110
CCB2	1	PASS	-10.480	11.590	-32.560	297.90	-10.480				+/-100.00
CRI2	1	PASS	101.200	94.870	107.500	8.85	101.20	101.0	100.0	70	130
ICSA2	1	PASS	103400.000	103800.000	103000.000	0.55	103000	103.0	100000	80	120
ICSAB2	1	PASS	103100.000	103200.000	103100.000	0.11	103000	103.0	100000	80	120
CCV3	1	PASS	30740.000	30760.000	30720.000	0.08	30740.00	102.0	30200.0	90	110
CCB3	1	PASS	-64.940	-11.490	-118.400	116.40	-64.940				+/-100.00
Quality Control and Field Samples											
PBW032410B	1	PASS	4.136	22.440	-14.170	625.90	4.136				+/-100.00
LCSW032410B	1	PASS	49340.000	49280.000	49400.000	0.17	49340.00	98.0	50500.0	80.0	120.0
823376	1	PASS	6460.000	6470.000	6451.000	0.21	6460				
823376LX5	1	PASS	1276.000	1274.000	1278.000	0.21	1280				
823377	1	PASS	292.700	292.100	293.300	0.30	293				
823378	1	PASS	1352.000	1348.000	1356.000	0.45	1350				
823380	1	PASS	458.300	464.900	451.700	2.04	458				
823381	1	PASS	1459.000	1487.000	1432.000	2.66	1460				
823382	1	PASS	584.600	589.500	579.600	1.19	585				
823383	1	PASS	713.500	714.900	712.100	0.28	714				

Analytical Review Report

Data File: 032510-01.txt

Date Printed: 3/25/10

Truevalue List: ICP7_D066-540

TJA ICP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.058	0.000	0.000	0.99	-0.058				
STD7	1		1.885	0.000	0.000	0.44	1.9				
ICV1	1	PASS	26550.000	26970.000	26120.000	2.28	26550.00	106.0	25000.0	90	110
ICB1	1	PASS	153.000	180.600	125.300	25.55	153.000				+/-5000.00
CRI1	1	PASS	5729.000	5742.000	5716.000	0.32	5729.00	115.0	5000.0	70	130
ICSA1	1	FAIL	93.070	27.170	159.000	100.10	93.1				0
ICSAB1	1	FAIL	153.300	108.900	197.700	40.97	153				0
CCV1	1	PASS	30540.000	30640.000	30440.000	0.46	30540.00	101.0	30200.0	90	110
CCB1	1	PASS	153.700	195.600	111.800	38.59	153.700				+/-5000.00
CCV2	1	PASS	30790.000	30830.000	30750.000	0.19	30790.00	102.0	30200.0	90	110
CCB2	1	PASS	118.200	208.100	28.410	107.40	118.200				+/-5000.00
CRI2	1	PASS	5840.000	5829.000	5851.000	0.27	5840.00	117.0	5000.0	70	130
ICSA2	1	FAIL	258.200	279.300	237.200	11.54	258				0
ICSAB2	1	FAIL	133.700	120.100	147.300	14.37	134				0
CCV3	1	PASS	30870.000	30950.000	30790.000	0.38	30870.00	102.0	30200.0	90	110
CCB3	1	PASS	50.970	152.900	-50.990	282.90	50.970				+/-5000.00
Quality Control and Field Samples											
PBW032410B	1	PASS	205.300	266.000	144.700	41.76	205.300				+/-5000.00
LCSW032410B	1	PASS	50520.000	50360.000	50670.000	0.43	50520.00	101.0	50000.0	80.0	120.0
823376	1	PASS	13980.000	13890.000	14070.000	0.90	14000				
823376LX5	1	PASS	2884.000	2901.000	2867.000	0.84	2880				
823377	1	PASS	46220.000	46450.000	45990.000	0.71	46200				
823378	1	PASS	29270.000	29400.000	29140.000	0.62	29300				
823380	1	PASS	47210.000	47090.000	47320.000	0.35	47200				
823381	1	PASS	27600.000	27620.000	27580.000	0.08	27600				
823382	1	PASS	46630.000	46670.000	46590.000	0.11	46600				
823383	1	PASS	30130.000	30100.000	30170.000	0.15	30100				

TestAmerica Burlington**Mg-LL****Analytical Review Report**

Date Printed: 3/25/10

Data File: 032510-01.txt

Truevalue List: ICP7_D066-540

TJA ICAP 7

Analysis Start Date: 3/25/2010

Start Time: 11:35:2

ICP Metals ILM05.3

Analysis End Date: 3/25/2010

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.000	0.000	0.000	42.57	-0.000				
STD7	1		1.096	0.000	0.000	0.29	1.1				
ICV1	1	PASS	25300.000	25700.000	24910.000	2.19	25300.00	101.0	25000.0	90	110
ICB1	1	PASS	40.400	19.970	60.830	71.52	40.400				+/-5000.00
CRI1	1	PASS	5422.000	5376.000	5468.000	1.20	5422.00	108.0	5000.0	70	130
ICSA1	1	PASS	247400.000	247000.000	247900.000	0.26	247000	99.0	250000	80	120
ICSAB1	1	PASS	247000.000	246200.000	247700.000	0.45	247000	99.0	250000	80	120
CCV1	1	PASS	30420.000	30430.000	30410.000	0.05	30420.00	101.0	30200.0	90	110
CCB1	1	PASS	44.130	35.200	53.050	28.61	44.130				+/-5000.00
CCV2	1	PASS	30460.000	30340.000	30570.000	0.52	30460.00	101.0	30200.0	90	110
CCB2	1	PASS	64.160	59.980	68.330	9.20	64.160				+/-5000.00
CRI2	1	PASS	5473.000	5517.000	5430.000	1.13	5473.00	109.0	5000.0	70	130
ICSA2	1	PASS	251500.000	252100.000	250900.000	0.34	252000	101.0	250000	80	120
ICSAB2	1	PASS	249600.000	249800.000	249400.000	0.11	250000	100.0	250000	80	120
CCV3	1	PASS	30820.000	30850.000	30800.000	0.12	30820.00	102.0	30200.0	90	110
CCB3	1	PASS	75.400	22.570	128.200	99.09	75.400				+/-5000.00
Quality Control and Field Samples											
PBW032410B	1	PASS	54.670	57.690	51.660	7.80	54.670				+/-5000.00
LCSW032410B	1	PASS	48360.000	48320.000	48390.000	0.12	48360.00	97.0	50000.0	80.0	120.0
823376	1	PASS	8626.000	8608.000	8644.000	0.29	8630				
823376LX5	1	PASS	1722.000	1716.000	1729.000	0.53	1720				
823377	1	PASS	7724.000	7714.000	7733.000	0.18	7720				
823378	1	PASS	7980.000	8006.000	7954.000	0.46	7980				
823380	1	PASS	7905.000	7868.000	7942.000	0.67	7900				
823381	1	PASS	7479.000	7492.000	7465.000	0.25	7480				
823382	1	PASS	7340.000	7358.000	7322.000	0.35	7340				
823383	1	PASS	7797.000	7805.000	7789.000	0.14	7800				

Analytical Review Report

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Data File: 032510-01.txt

Truevalue List: ICP7_D066-540

TJA ICAP 7

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ICP Metals ILM05.3

Analysis End Date: 3/25/2010

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.013	0.000	0.000	5.86	0.013				
STD4	1		27.360	0.000	0.000	0.03	27.4				
ICV1	1	PASS	476.000	478.100	473.800	0.65	476.00	95.0	500.0	90	110
ICB1	1	PASS	-0.259	-0.212	-0.306	25.60	-0.259				+/-15.00
CRI1	1	PASS	14.750	14.710	14.800	0.40	14.75	98.0	15.0	70	130
ICSA1	1	FAIL	-2.221	-2.233	-2.210	0.73	-2.2				0
ICSAB1	1	PASS	476.900	476.400	477.400	0.14	477	95.0	500	80	120
CCV1	1	PASS	189.200	189.600	188.800	0.32	189.20	95.0	200.0	90	110
CCB1	1	PASS	-0.065	-0.061	-0.069	8.41	-0.065				+/-15.00
CCV2	1	PASS	191.100	191.600	190.500	0.43	191.10	96.0	200.0	90	110
CCB2	1	PASS	-0.279	-0.140	-0.419	70.55	-0.279				+/-15.00
CRI2	1	PASS	14.880	14.900	14.850	0.26	14.88	99.0	15.0	70	130
ICSA2	1	FAIL	-2.347	-2.401	-2.293	3.25	-2.3				0
ICSAB2	1	PASS	483.400	483.800	483.100	0.10	483	97.0	500	80	120
CCV3	1	PASS	192.400	192.400	192.400	0.01	192.40	96.0	200.0	90	110
CCB3	1	PASS	-0.261	-0.329	-0.192	37.20	-0.261				+/-15.00
Quality Control and Field Samples											
PBW032410B	1	PASS	-0.069	0.193	-0.330	538.20	-0.069				+/-15.00
LCSW032410B	1	PASS	468.700	468.100	469.300	0.18	468.70	94.0	500.0	80.0	120.0
823376	1	PASS	2131.000	2132.000	2131.000	0.05	2130				
823376LX5	1	PASS	418.400	418.600	418.100	0.09	418				
823377	1	FAIL	31370.000	31240.000	31490.000	0.55	31370				
823378	1	FAIL	12130.000	12090.000	12170.000	0.46	12130				
823380	1	FAIL	31810.000	31850.000	31780.000	0.16	31810				
823381	1	FAIL	10070.000	10090.000	10040.000	0.37	10070				
823382	1	FAIL	31590.000	31940.000	31240.000	1.57	31590				
823383	1	FAIL	12830.000	12920.000	12750.000	0.95	12830				

Analytical Review Report

Data File: 032510-01.txt

Date Printed: 3/25/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.035	0.000	0.000	2.60	-0.035				
STD7	1		6.159	0.000	0.000	0.01	6.2				
ICV1	1	PASS	25470.000	25810.000	25130.000	1.88	25470.00	102.0	25000.0	90	110
ICB1	1	PASS	7.965	2.616	13.310	94.97	7.965				+/-5000.00
CRI1	1	PASS	5451.000	5451.000	5451.000	0.01	5451.00	109.0	5000.0	70	130
ICSA1	1	FAIL	38.480	16.770	60.180	79.77	38.5				0
ICSAB1	1	FAIL	17.330	13.070	21.600	34.76	17.3				0
CCV1	1	PASS	30440.000	30450.000	30430.000	0.05	30440.00	101.0	30200.0	90	110
CCB1	1	PASS	-11.110	-21.860	-0.362	136.80	-11.110				+/-5000.00
CCV2	1	PASS	30600.000	30640.000	30570.000	0.16	30600.00	101.0	30200.0	90	110
CCB2	1	PASS	9.753	54.000	-34.490	641.60	9.753				+/-5000.00
CRI2	1	PASS	5566.000	5532.000	5599.000	0.86	5566.00	111.0	5000.0	70	130
ICSA2	1	FAIL	5.835	-16.940	28.610	551.90	5.8				0
ICSAB2	1	FAIL	9.236	10.000	8.471	11.71	9.2				0
CCV3	1	PASS	30880.000	30910.000	30840.000	0.17	30880.00	102.0	30200.0	90	110
CCB3	1	PASS	-50.830	17.590	-119.300	190.40	-50.830				+/-5000.00
Quality Control and Field Samples											
PBW032410B	1	PASS	36.330	40.050	32.620	14.46	36.330				+/-5000.00
LCSW032410B	1	PASS	48710.000	48720.000	48700.000	0.03	48710.00	97.0	50000.0	80.0	120.0
823376	1	PASS	27930.000	27940.000	27920.000	0.05	27900				
823376LX5	1	PASS	5606.000	5620.000	5592.000	0.36	5610				
823377	1	PASS	25620.000	25640.000	25590.000	0.15	25600				
823378	1	PASS	26060.000	26080.000	26050.000	0.08	26100				
823380	1	PASS	26380.000	26360.000	26400.000	0.12	26400				
823381	1	PASS	25300.000	25320.000	25290.000	0.10	25300				
823382	1	PASS	24700.000	24760.000	24640.000	0.33	24700				
823383	1	PASS	25910.000	25870.000	25940.000	0.19	25900				

Analytical Review Report

Data File: 032510-01.txt

Date Printed: 3/25/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.012	0.000	0.000	6.58	0.012				
STD4	1		0.766	0.000	0.000	0.19	0.77				
ICV1	1	PASS	479.200	477.300	481.200	0.59	479.20	96.0	500.0	90	110
ICB1	1	PASS	0.505	-0.260	1.271	214.20	0.505				+/-40.00
CRI1	1	PASS	40.120	39.510	40.730	2.15	40.12	100.0	40.0	70	130
ICSA1	1	FAIL	-5.207	-4.812	-5.601	10.72	-5.2				0
ICSAB1	1	PASS	950.300	950.400	950.300	0.00	950	95.0	1000	80	120
CCV1	1	PASS	190.900	190.800	191.000	0.06	190.90	95.0	200.0	90	110
CCB1	1	PASS	0.660	-0.331	1.651	212.50	0.660				+/-40.00
CCV2	1	PASS	193.800	192.700	194.800	0.76	193.80	97.0	200.0	90	110
CCB2	1	PASS	-0.126	0.370	-0.622	557.10	-0.126				+/-40.00
CRI2	1	PASS	41.370	40.650	42.100	2.48	41.37	103.0	40.0	70	130
ICSA2	1	FAIL	-5.548	-5.425	-5.671	3.15	-5.5				0
ICSAB2	1	PASS	961.100	958.300	963.900	0.41	961	96.0	1000	80	120
CCV3	1	PASS	193.500	192.100	194.900	1.03	193.50	97.0	200.0	90	110
CCB3	1	PASS	-12.800	-14.620	-10.970	20.17	-12.800				+/-40.00
Quality Control and Field Samples											
PBW032410B	1	PASS	-0.558	0.545	-1.660	279.50	-0.558				+/-40.00
LCSW032410B	1	PASS	470.200	469.800	470.600	0.13	470.20	94.0	500.0	80.0	120.0
823376	1	PASS	211.500	212.500	210.600	0.66	212				
823376LX5	1	PASS	41.710	41.660	41.760	0.17	41.7				
823377	1	PASS	25.220	25.340	25.100	0.70	25.2				
823378	1	PASS	31.720	32.930	30.520	5.36	31.7				
823380	1	PASS	25.350	25.230	25.470	0.68	25.4				
823381	1	PASS	18.390	18.410	18.370	0.14	18.4				
823382	1	PASS	18.140	18.080	18.200	0.47	18.1				
823383	1	PASS	28.310	27.540	29.070	3.84	28.3				

TestAmerica Burlington**Sb-LL****Analytical Review Report**

Date Printed: 3/25/10

Data File: 032510-01.txt

Truevalue List: ICP7_D066-540

TJA ICAP 7

Analysis Start Date: 3/25/2010

Start Time: 11:35:2

ICP Metals ILM05.3

Analysis End Date: 3/25/2010

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.001	0.000	0.000	72.52	0.001				
STD8	1		0.109	0.000	0.000	0.17	0.11				
ICV1	1	PASS	264.300	263.700	264.800	0.30	264.30	106.0	250.0	90	110
ICB1	1	PASS	-0.024	-0.149	0.100	722.80	-0.024				+/-60.00
CRI1	1	PASS	67.390	69.470	65.310	4.36	67.39	112.0	60.0	50	150
ICSA1	1	FAIL	-2.224	-1.067	-3.382	73.59	-2.2				0
ICSAB1	1	PASS	637.400	637.100	637.600	0.06	637	106.0	600	80	120
CCV1	1	PASS	315.300	314.500	316.100	0.34	315.30	105.0	300.0	90	110
CCB1	1	PASS	1.335	3.244	-0.573	202.10	1.335				+/-60.00
CCV2	1	PASS	310.800	310.800	310.900	0.02	310.80	104.0	300.0	90	110
CCB2	1	PASS	1.776	0.646	2.905	89.93	1.776				+/-60.00
CRI2	1	PASS	65.290	65.140	65.440	0.33	65.29	109.0	60.0	50	150
ICSA2	1	FAIL	1.497	1.089	1.906	38.61	1.5				0
ICSAB2	1	PASS	643.600	645.600	641.600	0.44	644	107.0	600	80	120
CCV3	1	PASS	317.700	319.400	316.000	0.77	317.70	106.0	300.0	90	110
CCB3	1	PASS	13.690	7.967	19.420	59.15	13.690				+/-60.00
Quality Control and Field Samples											
PBW032410B	1	PASS	1.478	1.819	1.137	32.61	1.478				+/-60.00
LCSW032410B	1	PASS	1989.000	1982.000	1995.000	0.45	1989.00	99.0	2000.0	80.0	120.0
823376	1	PASS	1.456	2.980	-0.068	148.00	1.5				
823376LX5	1	PASS	0.504	-1.730	2.737	627.00	0.50				
823377	1	PASS	1.152	-0.265	2.570	173.90	1.2				
823378	1	PASS	4.154	8.020	0.289	131.60	4.2				
823380	1	PASS	-0.513	-0.555	-0.470	11.79	-0.51				
823381	1	PASS	3.582	4.830	2.335	49.25	3.6				
823382	1	PASS	2.019	-2.204	6.243	295.80	2.0				
823383	1	PASS	3.320	6.015	0.624	114.80	3.3				

Analytical Review Report

Data File: 032510-01.txt

Date Printed: 3/25/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.006	0.000	0.000	9.29	0.006				
STD8	1		0.100	0.000	0.000	0.41	0.10				
ICV1	1	PASS	257.700	258.700	256.700	0.54	257.70	103.0	250.0	90	110
ICB1	1	PASS	-3.187	-2.092	-4.282	48.60	-3.187				+/-35.00
CRI1	1	PASS	38.810	39.520	38.100	2.59	38.81	111.0	35.0	70	130
ICSA1	1	FAIL	-3.366	-0.091	-6.641	137.60	-3.4				0
ICSAB1	1	PASS	49.160	50.720	47.600	4.48	49.2	98.0	50	80	120
CCV1	1	PASS	104.000	101.000	107.000	4.10	104.00	104.0	100.0	90	110
CCB1	1	PASS	1.029	3.672	-1.615	363.40	1.029				+/-35.00
CCV2	1	PASS	102.400	102.000	102.800	0.49	102.40	102.0	100.0	90	110
CCB2	1	PASS	-1.743	-2.955	-0.530	98.39	-1.743				+/-35.00
CRI2	1	PASS	34.800	36.290	33.320	6.03	34.80	99.0	35.0	70	130
ICSA2	1	FAIL	-2.573	-1.199	-3.948	75.52	-2.6				0
ICSAB2	1	PASS	48.090	44.590	51.590	10.30	48.1	96.0	50	80	120
CCV3	1	PASS	106.100	104.900	107.200	1.52	106.10	106.0	100.0	90	110
CCB3	1	PASS	14.700	13.960	15.430	7.09	14.700				+/-35.00
Quality Control and Field Samples											
PBW032410B	1	PASS	-0.086	1.134	-1.307	1999.00	-0.086				+/-35.00
LCSW032410B	1	PASS	573.800	572.800	574.900	0.27	573.80	109.0	525.0	80.0	120.0
823376	1	PASS	-0.417	-1.973	1.139	527.40	-0.42				
823376LX5	1	PASS	-0.216	-0.063	-0.369	100.20	-0.22				
823377	1	PASS	-2.449	-1.201	-3.696	72.06	-2.4				
823378	1	PASS	-0.915	0.800	-2.631	265.10	-0.92				
823380	1	PASS	-2.459	-4.686	-0.233	128.10	-2.5				
823381	1	PASS	-1.962	-1.922	-2.003	2.93	-2.0				
823382	1	PASS	-5.497	-6.568	-4.426	27.56	-5.5				
823383	1	PASS	-1.732	1.835	-5.300	291.30	-1.7				

Analytical Review Report

Data File: 032510-01.txt

Date Printed: 3/25/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 11:35:2

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.032	0.000	0.000	12.75	-0.032				
STD8	1		1.005	0.000	0.000	1.16	1.0				
ICV1	1	PASS	247.000	245.400	248.500	0.88	247.00	99.0	250.0	90	110
ICB1	1	PASS	2.275	0.206	4.343	128.60	2.275				+/-25.00
CRI1	1	PASS	25.200	29.630	20.760	24.91	25.20	101.0	25.0	50	150
ICSA1	1	FAIL	4.231	3.200	5.263	34.48	4.2				0
ICSAB1	1	PASS	98.060	97.650	98.470	0.59	98.1	98.0	100	80	120
CCV1	1	PASS	100.100	101.400	98.890	1.77	100.10	100.0	100.0	90	110
CCB1	1	PASS	2.322	4.286	0.359	119.60	2.322				+/-25.00
CCV2	1	PASS	103.700	103.800	103.600	0.19	103.70	104.0	100.0	90	110
CCB2	1	PASS	-3.161	-7.793	1.472	207.30	-3.161				+/-25.00
CRI2	1	PASS	24.960	26.670	23.240	9.71	24.96	100.0	25.0	50	150
ICSA2	1	FAIL	2.882	0.256	5.508	128.90	2.9				0
ICSAB2	1	PASS	102.200	106.400	97.900	5.91	102	102.0	100	80	120
CCV3	1	PASS	101.500	99.090	104.000	3.42	101.50	102.0	100.0	90	110
CCB3	1	PASS	-16.450	-21.660	-11.240	44.81	-16.450				+/-25.00
Quality Control and Field Samples											
PBW032410B	1	PASS	0.310	-3.115	3.734	1565.00	0.310				+/-25.00
LCSW032410B	1	PASS	578.500	576.100	580.800	0.58	578.50	105.0	550.0	80.0	120.0
823376	1	PASS	1.796	3.035	0.558	97.49	1.8				
823376LX5	1	PASS	-1.097	0.252	-2.446	173.90	-1.1				
823377	1	PASS	24.590	24.240	24.930	1.98	24.6				
823378	1	PASS	10.150	11.190	9.103	14.57	10.2				
823380	1	PASS	21.710	22.020	21.400	2.01	21.7				
823381	1	PASS	9.666	6.379	12.950	48.09	9.7				
823382	1	PASS	23.360	24.220	22.500	5.21	23.4				
823383	1	PASS	8.797	11.930	5.661	50.42	8.8				

TestAmerica Burlington**V -LL****Analytical Review Report**

Date Printed: 3/25/10

Data File: 032510-01.txt

Truevalue List: ICP7_D066-540

TJA ICAP 7

Analysis Start Date: 3/25/2010

Start Time: 11:35:2

ICP Metals ILM05.3

Analysis End Date: 3/25/2010

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		-0.005	0.000	0.000	205.40	-0.005				
STD4	1		4.046	0.000	0.000	0.09	4.0				
ICV1	1	PASS	501.400	504.600	498.100	0.92	501.40 \ 100.0	500.0	90	110	
ICB1	1	PASS	1.037	1.612	0.461	78.56	1.037				+/-50.00
CRI1	1	PASS	50.090	50.820	49.350	2.08	50.09 \ 100.0	50.0	70	130	
ICSA1	1	FAIL	-2.686	-3.227	-2.146	28.45	-2.7				0
ICSAB1	1	PASS	493.000	491.400	494.600	0.46	493 \ 99.0	500	80	120	
CCV1	1	PASS	195.600	196.900	194.400	0.90	195.60 \ 98.0	200.0	90	110	
CCB1	1	PASS	0.690	0.371	1.010	65.39	0.690				+/-50.00
CCV2	1	PASS	198.600	199.800	197.400	0.83	198.60 \ 99.0	200.0	90	110	
CCB2	1	PASS	-1.130	-1.302	-0.957	21.61	-1.130				+/-50.00
CRI2	1	PASS	50.120	51.320	48.910	3.39	50.12 \ 100.0	50.0	70	130	
ICSA2	1	FAIL	-3.533	-3.120	-3.946	16.55	-3.5				0
ICSAB2	1	PASS	501.000	502.900	499.100	0.54	501 \ 100.0	500	80	120	
CCV3	1	PASS	200.600	201.400	199.800	0.54	200.60 \ 100.0	200.0	90	110	
CCB3	1	PASS	-7.688	-2.490	-12.890	95.62	-7.688				+/-50.00
Quality Control and Field Samples											
PBW032410B	1	PASS	0.231	0.309	0.153	47.73	0.231				+/-50.00
LCSW032410B	1	PASS	501.300	500.700	501.900	0.17	501.30 \ 100.0	500.0	80.0	120.0	
823376	1	PASS	8.381	9.284	7.478	15.24	8.4				
823376LX5	1	PASS	1.160	0.026	2.295	138.30	1.2				
823377	1	PASS	3.468	2.678	4.257	32.20	3.5				
823378	1	PASS	1.272	2.720	-0.176	161.00	1.3				
823380	1	PASS	1.873	3.126	0.620	94.59	1.9				
823381	1	PASS	3.235	2.386	4.083	37.11	3.2				
823382	1	PASS	1.915	2.972	0.858	78.04	1.9				
823383	1	PASS	-0.110	-0.458	0.237	445.30	-0.11				

TestAmerica Burlington**Zn-LL2****Analytical Review Report**

Date Printed: 3/25/10

Data File: 032510-01.txt

Truevalue List: ICP7_D066-540

TJA ICAP 7

Analysis Start Date: 3/25/2010

Start Time: 11:35:2

ICP Metals ILM05.3

Analysis End Date: 3/25/2010

End Time: 13:19:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
S0	1		0.004	0.000	0.000	45.98	0.004				
STD4	1		5.656	0.000	0.000	0.42	5.7				
ICV1	1	PASS	507.100	506.700	507.500	0.10	507.10	101.0	500.0	90	110
ICB1	1	PASS	0.013	0.184	-0.158	1901.00	0.013				+/-60.00
CRI1	1	PASS	62.160	62.230	62.090	0.16	62.16	104.0	60.0	70	130
ICSA1	1	FAIL	-5.239	-5.068	-5.409	4.61	-5.2				0
ICSAB1	1	PASS	1010.000	1011.000	1009.000	0.08	1010	101.0	1000	80	120
CCV1	1	PASS	200.400	199.900	200.900	0.35	200.40	100.0	200.0	90	110
CCB1	1	PASS	-0.120	-0.064	-0.176	66.46	-0.120				+/-60.00
CCV2	1	PASS	202.000	202.000	202.000	0.01	202.00	101.0	200.0	90	110
CCB2	1	PASS	-0.142	-0.073	-0.211	68.83	-0.142				+/-60.00
CRI2	1	PASS	62.970	63.020	62.920	0.11	62.97	105.0	60.0	70	130
ICSA2	1	FAIL	-5.436	-5.423	-5.449	0.35	-5.4				0
ICSAB2	1	PASS	1025.000	1025.000	1025.000	0.01	1020	102.0	1000	80	120
CCV3	1	PASS	203.700	203.500	203.900	0.12	203.70	102.0	200.0	90	110
CCB3	1	PASS	0.732	0.599	0.866	25.83	0.732				+/-60.00
Quality Control and Field Samples											
PBW032410B	1	PASS	1.286	1.310	1.262	2.65	1.286				+/-60.00
LCSW032410B	1	PASS	503.000	502.300	503.800	0.21	503.00	101.0	500.0	80.0	120.0
823376	1	PASS	41.260	41.130	41.390	0.43	41.3				
823376LX5	1	PASS	8.336	8.215	8.456	2.05	8.3				
823377	1	PASS	6.379	6.333	6.425	1.02	6.4				
823378	1	PASS	9.002	9.027	8.977	0.39	9.0				
823380	1	PASS	7.611	7.461	7.760	2.78	7.6				
823381	1	PASS	9.239	9.308	9.169	1.06	9.2				
823382	1	PASS	7.107	7.252	6.962	2.89	7.1				
823383	1	PASS	8.257	8.441	8.073	3.15	8.3				

Sample Name: S0 Acquired: 3/25/2010 11:35:20 Type: Cal
 Method: 6010(v36) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	.0005	-.0021	.0020	.0039	-.0002
Stddev	.0038	.0013	.0001	.0000	.0000
%RSD	827.9	59.95	4.643	.5109	5.687

#1	.0032	-.0030	.0019	.0039	-.0002
#2	-.0022	-.0012	.0021	.0039	-.0002

Elem	Be-LL	Ca-LL	Cd-LL	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	.0004	-.0092	-.0123	-.0015
Stddev	.0011	.0003	.0000	.0009	.0011
%RSD	76.56	66.37	.4325	7.597	74.89

#1	-.0023	.0006	-.0092	-.0116	-.0007
#2	-.0007	.0002	-.0092	-.0130	-.0023

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	.1596	-.0217	-.0577	-.0003	.0132
Stddev	.0092	.0005	.0006	.0001	.0008
%RSD	5.781	2.198	.9890	42.57	5.857

#1	.1531	-.0221	-.0581	-.0002	.0137
#2	.1661	-.0214	-.0573	-.0004	.0126

Sample Name: S0 Acquired: 3/25/2010 11:35:20 Type: Cal
 Method: 6010(v36) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	-.0006	-.0348	.0122	-.0013	-.0288
Stddev	.0010	.0009	.0008	.0003	.0184
%RSD	181.6	2.604	6.581	22.20	63.74

#1	.0002	-.0342	.0116	-.0014	-.0158
#2	-.0013	-.0354	.0128	-.0011	-.0418

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_HWRD)	(Y_LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0008	.0057	.2342	.0003	.0099
Stddev	.0006	.0005	.0020	.0004	.0048
%RSD	72.52	9.287	.8329	161.8	48.26

#1	.0004	.0054	.2356	.0005	.0132
#2	.0012	.0061	.2329	.0000	.0065

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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0333	-.0320	-.0047	.0039
Stddev	.0034	.0041	.0096	.0018
%RSD	10.21	12.75	205.4	45.98

#1	-.0357	-.0291	-.0115	.0052
#2	-.0309	-.0349	.0021	.0027

Analyst: BAA

Sample Name: S0 Acquired: 3/25/2010 11:35:20 Type: Cal
 Method: 6010(v36) 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	193.07	2047.9	2043.2	5591.3
Stddev	1.57	10.1	1.6	11.5
%RSD	.81214	.49378	.07586	.20538

#1	191.96	2040.7	2044.3	5583.2
#2	194.18	2055.0	2042.1	5599.5

Sample Name: STD7 Acquired: 3/25/2010 11:39:10 Type: Cal
Method: 6010(v36) 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	2.744	.9158	11.41	1.885	1.096
Stddev	.007	.0020	.01	.008	.003
%RSD	.2539	.2229	.1290	.4385	.2870

#1	2.749	.9172	11.40	1.879	1.098
#2	2.739	.9143	11.42	1.891	1.093

Elem	Na-LL
Line	589.592 { 57}
IS Ref	(Y_HWRD)
Units	Cts/S
Avg	6.159
Stddev	.001
%RSD	.0126

#1	6.160
#2	6.159

Int. Std.	Y_HWAX	Y_HWRD
Line	224.306 {150}	371.030 { 91}
Units	Cts/S	Cts/S
Avg	2030.2	5531.9
Stddev	1.6	49.3
%RSD	.07742	.89040

#1	2031.3	5497.0
#2	2029.1	5566.7

Sample Name: STD8 Acquired: 3/25/2010 11:42:58 Type: Cal
 Method: 6010(v36) 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	.1230	4.354	.1090	.1003	.2377
Stddev	.0004	.014	.0002	.0004	.0002
%RSD	.3343	.3092	.1663	.4107	.0755
#1	.1227	4.344	.1089	.1006	.2376
#2	.1232	4.363	.1092	.1000	.2378

Elem	Ti-LL
Line	190.856 (477)
IS Ref	(In2306)
Units	Cts/S
Avg	1.005
Stddev	.012
%RSD	1.158
#1	.9969
#2	1.013

Int. Std.	In2306	Y_-LWAX
Line	230.606 (446)	224.306 (450)
Units	Cts/S	Cts/S
Avg	191.13	2052.3
Stddev	.00	3.0
%RSD	.00185	.14623
#1	191.13	2050.2
#2	191.12	2054.4

Sample Name: STD4 Acquired: 3/25/2010 11:46:52 Type: Cal
Method: 6010(v36) 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-LL
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	2.791	.5821	.0938	2.966	1.177
Stddev	.006	.0016	.0001	.010	.000
%RSD	.2170	.2815	.0932	.3329	.0146

#1	2.787	.5832	.0939	2.973	1.178
#2	2.795	.5809	.0938	2.959	1.177

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	1.180	1.832	7.036	27.36	.8759
Stddev	.002	.003	.003	.01	.0021
%RSD	.1263	.1521	.0485	.0253	.2413

#1	1.181	1.834	7.038	27.35	.8744
#2	1.179	1.830	7.034	27.36	.8774

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	.7660	.1903	6.543	32.52	5.168
Stddev	.0015	.0011	.016	.26	.001
%RSD	.1946	.5669	.2401	.8143	.0161

#1	.7670	.1910	6.555	32.71	5.169
#2	.7649	.1895	6.532	32.33	5.168

Sample Name: STD4 Acquired: 3/25/2010 11:46:52 Type: Cal
Method: 6010(v36) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V-LL	Zn-LL
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	4.046	5.656
Stddev	.004	.024
%RSD	.0924	.4187

#1	4.043	5.673
#2	4.049	5.640

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	2091.5	2055.3	5630.2
Stddev	16.8	15.4	1.6
%RSD	.80412	.75016	.02771

#1	2103.4	2044.4	5629.1
#2	2079.6	2066.2	5631.3

Sample Name: ICV Acquired: 3/25/2010 11:50:41 Type: QC
 Method: 6010(v36) 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	497.6	26500.	256.1	499.7	493.4
Stddev	1.8	532.	1.0	3.4	11.4
%RSD	.3591	2.005	.3916	.6783	2.304
#1	498.9	26880.	256.8	497.3	501.4
#2	496.4	26130.	255.4	502.1	485.3

Check ?
 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	507.5	25650.	492.1	487.3	488.6
Stddev	10.8	543.	.1	1.2	.0
%RSD	2.118	2.116	.0113	.2381	.0084
#1	515.1	26030.	492.2	486.5	488.5
#2	499.9	25270.	492.1	488.1	488.6

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 3/25/2010 11:50:41 Type: QC
 Method: 6010(v36) 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	496.8	25570.	26550.	25300.	476.0
Stddev	3.1	193.	604.	555.	3.1
%RSD	.6228	.7533	2.275	2.194	.6492
#1	499.0	25710.	26970.	25700.	478.1
#2	494.6	25440.	26120.	24910.	473.8

Check ?
 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	517.3	25470.	479.2	507.7	975.7
Stddev	2.9	480.	2.8	.0	6.2
%RSD	.5621	1.884	.5856	.0001	.6309
#1	515.2	25810.	477.3	507.7	971.4
#2	519.3	25130.	481.2	507.7	980.1

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 3/25/2010 11:50:41 Type: QC
 Method: 6010(v36) 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	264.3	267.7	262.4	247.8	489.6
Stddev	.8	1.4	5.7	1.8	10.3
%RSD	.2988	.5416	2.188	.7106	2.113
#1	263.7	258.7	266.5	249.0	496.9
#2	264.8	256.7	258.4	246.5	482.3

Check ?
 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	501.9	247.0	501.4	507.1
Stddev	4.0	2.2	4.6	.5
%RSD	.7895	.8843	.9163	.0104
#1	504.7	245.4	504.6	506.7
#2	499.1	248.5	498.1	507.5

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 3/25/2010 11:50:41 Type: QC
 Method: 6010(v36) 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	190.71	2064.7	2026.6	5514.6
Stddev	1.19	7.3	.8	106.0
%RSD	.62158	.35568	.03776	1.9218
#1	191.55	2059.5	2027.1	5439.7
#2	189.87	2069.9	2026.1	5589.6

Sample Name: ICB Acquired: 3/25/2010 11:54:29 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-1.054	.7639	-.4243	-1.111	-4.255
Stddev	.4809	33.67	.8192	.782	1.501
%RSD	456.0	4407.	193.1	70.44	35.28

#1	.2346	-23.04	.1549	-.5575	-3.193
#2	-.4455	24.57	-1.004	-1.664	-5.316

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Be-LL	Ca-LL	Cd-LL	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	.1049	15.31	-.1629	1.069	-.6175
Stddev	.0069	27.79	.2589	1.433	.3879
%RSD	6.573	181.5	159.0	134.1	62.82

#1	.1098	-4.342	.0202	.0557	-.3432
#2	.1000	34.96	-.3460	2.082	-.8917

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/25/2010 11:54:29 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	-2.347	-14.30	153.0	40.40	-.2590
Stddev	1.183	27.58	39.1	28.89	.0663
%RSD	50.40	192.9	25.55	71.52	25.60

#1	-3.183	-33.80	180.6	19.97	-.2121
#2	-1.510	5.206	125.3	60.83	-.3058

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	.9786	7.965	.5053	.9090	-1.213
Stddev	.1674	7.565	1.082	.4983	.784
%RSD	17.11	94.97	214.2	54.81	64.67

#1	1.097	2.616	-.2600	1.261	-.6582
#2	.8602	13.31	1.271	.5567	-1.767

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/25/2010 11:54:29 Type: QC
 Method: 6010(v36) 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	-.0244	-3.187	-2.112	.9062	-.0100
Stddev	.1760	1.549	2.080	1.747	.0353
%RSD	722.8	48.60	98.49	192.8	353.7

#1	-.1488	-2.092	-3.583	-.3293	.0150
#2	.1001	-4.282	-.6411	2.142	-.0349

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.287	2.275	1.037	.0127
Stddev	1.137	2.926	.814	.2419
%RSD	88.38	128.6	78.56	1901.

#1	-2.091	.2059	1.612	.1838
#2	-.4825	4.343	.4607	-.1584

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 3/25/2010 11:54:29 Type: QC
 Method: 6010(v36) 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	194.32	2077.7	2052.6	5533.7
Stddev	.85	6.2	3.5	40.0
%RSD	.43758	.29989	.17290	.72286

#1	194.92	2073.3	2055.1	5505.4
#2	193.71	2082.1	2050.1	5562.0

LLC 136.0 1516.7 1436.8 3673.6
 VLL 252.6 2701.0 2666.4 7153.8

Sample Name: CRI Acquired: 3/25/2010 11:58:20 Type: QC
 Method: 6010(v36) 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	6.526	183.1	10.94	F -1.277	200.2
Stddev	2.047	42.8	5.09	.119	2.7
%RSD	31.36	23.38	46.54	9.325	1.352

#1	5.079	213.3	7.343	-1.193	202.1
#2	7.973	152.8	14.55	-1.361	198.3

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	4.989	544.2	4.905	50.70	9.301
Stddev	.144	15.	.236	.42	.443
%RSD	2.884	.2731	4.815	.8280	4.765

#1	5.090	545.3	5.072	50.99	8.987
#2	4.887	543.2	4.738	50.40	9.614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 3/25/2010 11:58:20 Type: QC
 Method: 6010(v36) 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	22.40	120.3	5729.	5422.	14.75
Stddev	.06	3.6	18.	65.	.06
%RSD	.2610	3.026	.3190	1.201	.3958

#1	22.36	117.7	5742.	5376.	14.71
#2	22.44	122.9	5716.	5468.	14.80

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 .4354	5451.	40.12	F 1.448	9.312
Stddev	.5346	.86	.86	.603	6.767
%RSD	122.8	.0054	2.147	41.62	72.67

#1	.8134	5451.	39.51	1.874	4.527
#2	.0574	5451.	40.73	1.022	14.10

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: 3/25/2010 11:58:20 Type: QC
 Method: 6010(v36) 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	67.39	38.81	F 2.929	F .2266	F .0396
Stddev	2.94	1.01	3.422	1.720	.0276
%RSD	4.363	2.588	116.8	758.9	69.74

#1	69.47	39.52	.5093	1.443	.0591
#2	65.31	38.10	5.349	-.9895	.0201

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	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	F .1484	25.20	50.09	62.16
Stddev	.4154	6.27	1.04	.10
%RSD	279.9	24.91	2.084	.1590

#1	-.1453	29.63	50.82	62.23
#2	.4422	20.76	49.35	62.09

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 3/25/2010 11:58:20 Type: QC
 Method: 6010(v36) 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	191.45	2101.9	2055.1	5604.2
Stddev	1.44	3.7	11.2	25.4
%RSD	.75162	.17628	.54667	.45290

#1	190.43	2104.5	2047.1	5586.3
#2	192.46	2099.3	2063.0	5622.2

Sample Name: ICSA Acquired: 3/25/2010 12:02:10 Type: QC
 Method: 6010(v36) 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	-2.091	253800.	3.414	.1659	4.470
Stddev	1.180	724.	.789	1.348	5.580
%RSD	56.42	.2853	23.13	812.2	124.8

#1	-2.925	253200.	3.972	-.7871	8.416
#2	-1.256	254300.	2.855	1.119	.5250

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-.1141	251200.	1.617	1.821	-1.127
Stddev	.0016	275.	.100	.631	.035
%RSD	1.385	.1094	6.191	34.68	3.077

#1	-.1130	251000.	1.688	1.374	-1.151
#2	-.1152	251400.	1.546	2.267	-1.102

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 12:02:10 Type: QC
 Method: 6010(v36) 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	-.4455	100400.	93.07	247400.	-2.221
Stddev	.7396	45.	93.20	656.	.016
%RSD	166.0	.0450	100.1	.2650	.7335

#1	-.9685	100500.	27.17	247000.	-2.233
#2	.0775	100400.	159.0	247900.	-2.210

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	.0680	38.48	-5.207	1.116	.3361
Stddev	.3430	30.70	.558	.105	1.728
%RSD	504.4	79.77	10.72	9.382	514.1

#1	.3105	16.77	-4.812	1.042	1.558
#2	-.1745	60.18	-5.601	1.190	-.8859

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 12:02:10 Type: QC
 Method: 6010(v36) 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	-2.224	-3.366	13.61	.8478	2.320
Stddev	1.637	4.632	6.23	1.113	.024
%RSD	73.59	137.6	45.74	131.2	1.052

#1	-1.067	-.0908	18.01	1.635	2.302
#2	-3.382	-6.641	9.208	.0610	2.337

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	4.250	4.231	-2.686	-5.239
Stddev	.548	1.459	.764	.241
%RSD	12.90	34.48	28.45	4.611

#1	3.863	3.200	-3.227	-5.068
#2	4.638	5.263	-2.146	-5.409

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 12:02:10 Type: QC
 Method: 6010(v36) 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	185.86	2009.4	1967.0	5486.6
Stddev	1.30	6.5	1.6	16.0
%RSD	.69718	.32418	.07887	.29167

#1	186.77	2014.0	1965.9	5475.2
#2	184.94	2004.8	1968.1	5497.9

Sample Name: ICSAB Acquired: 3/25/2010 12:05:58 Type: QC
 Method: 6010(v36) 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	206.1	253100.	F 107.3	F -1.394	487.6
Stddev	1.6	1113.	3.0	.634	6.9
%RSD	.7813	.4400	2.790	45.44	1.421

#1	205.0	252300.	105.2	-.9462	482.7
#2	207.3	253900.	109.4	-1.842	492.5

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	500.3	250400.	1017.	484.9	487.0
Stddev	1.5	1151.	3.	.4	.3
%RSD	.2906	.4596	.2856	.0916	.0525

#1	499.3	249600.	1019.	485.2	486.9
#2	501.3	251200.	1015.	484.6	487.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 3/25/2010 12:05:58 Type: QC
 Method: 6010(v36) 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	537.0	F 100700.	153.3	247000.	476.9
Stddev	2.9	226.	62.8	1110.	.7
%RSD	.5473	.2245	40.97	.4496	.1435

#1	534.9	100500.	108.9	246200.	476.4
#2	539.1	100800.	197.7	247700.	477.4

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 -.2420	17.33	950.3	F 2.228	47.87
Stddev	.3493	6.03	.0	1.807	.90
%RSD	144.3	34.76	.0037	81.14	1.871

#1	-.4890	13.07	950.4	3.506	48.51
#2	.0050	21.60	950.3	.9496	47.24

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: 3/25/2010 12:05:58 Type: QC
 Method: 6010(v36) 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	637.4	49.16	12.65	.3150	2.370
Stddev	.4	2.20	93	.6625	.005
%RSD	.0569	4.480	7.322	210.3	.2292

#1	637.1	50.72	13.31	.7835	2.367
#2	637.6	47.60	12.00	-.1534	2.374

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	F 4.847	98.06	493.0	1010.
Stddev	.355	.58	2.3	1.
%RSD	7.315	.5874	.4630	.0779

#1	5.098	97.65	491.4	1011.
#2	4.597	98.47	494.6	1009.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	600.0			
Low Limit	400.0			

Sample Name: ICSAB Acquired: 3/25/2010 12:05:58 Type: QC
 Method: 6010(v36) 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	188.72	2008.7	1966.2	5485.8
Stddev	.62	.5	2.7	12.3
%RSD	.32981	.02543	.13909	.22367

#1	189.16	2009.0	1964.2	5494.4
#2	188.28	2008.3	1968.1	5477.1

Sample Name: CCV Acquired: 3/25/2010 12:09:45 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	101.4	30380.	107.0	730.8	192.8
Stddev	1.7	42.	1.2	3.1	1.4
%RSD	1.638	.1366	1.081	.4284	.7038
#1	102.6	30410.	106.1	728.6	191.9
#2	100.2	30350.	107.8	733.0	193.8

Check ?
 High Limit
 Low Limit

Elem	Be-LL	Ca-LL	Cd-LL	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	99.31	30050.	98.80	193.2	194.0
Stddev	.05	214.	.26	.7	.1
%RSD	.0505	.7105	.2606	.3863	.0468
#1	99.34	30200.	98.62	193.7	193.9
#2	99.27	29900.	98.99	192.7	194.0

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 12:09:45 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	198.1	29920.	30540.	30420.	189.2
Stddev	.3	74.	141.	16.	.6
%RSD	.1723	.2469	.4623	.0536	.3183
#1	197.9	29970.	30640.	30430.	189.6
#2	198.4	29870.	30440.	30410.	188.8

Check ?
 High Limit
 Low Limit

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	199.7	30440.	190.9	206.3	386.7
Stddev	.4	16.	.1	1.0	3.6
%RSD	.1845	.0539	.0626	.4835	.9418
#1	199.5	30450.	190.8	205.6	389.3
#2	200.0	30430.	191.0	207.0	384.1

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 12:09:45 Type: QC
 Method: 6010(v36) 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	315.3	104.0	1008.	203.1	294.4
Stddev	1.1	4.3	12.	1.2	1.1
%RSD	.3435	4.103	1.201	.5940	.3683
#1	314.5	101.0	1017.	204.0	293.6
#2	316.1	107.0	999.9	202.3	295.1

Check ?
 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	397.9	100.1	195.6	200.4
Stddev	.3	1.8	1.8	.7
%RSD	.0862	1.769	.9022	.3488
#1	398.1	101.4	196.9	199.9
#2	397.6	98.89	194.4	200.9

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 12:09:45 Type: QC
 Method: 6010(v36) 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	192.18	2077.4	2024.5	5563.0
Stddev	.31	16.2	6.4	18.5
%RSD	.16053	.77840	.31801	.33183
#1	191.96	2065.9	2029.1	5550.0
#2	192.40	2088.8	2020.0	5576.1

Sample Name: CCB Acquired: 3/25/2010 12:13:33 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-7348	32.70	-9917	-1892	1.534
Stddev	.8375	10.04	.2506	1.244	1.152
%RSD	114.0	30.69	25.27	657.6	75.10

#1	-1.426	39.80	-1.169	.6906	2.349
#2	-1.327	25.61	-8.145	-1.069	.7193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-LL	Cd-LL	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	.0806	35.82	.1000	.6241	-1.1763
Stddev	.1123	5.19	.5961	.1376	.0201
%RSD	139.2	14.49	596.0	22.05	11.42

#1	.0013	39.49	-.3215	.7214	-.1621
#2	.1600	32.15	.5216	.5268	-.1906

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 3/25/2010 12:13:33 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	-1.279	-6.776	153.7	44.13	-.0653
Stddev	.929	23.48	59.3	12.62	.0055
%RSD	72.63	346.6	38.59	28.61	8.407

#1	-.6222	-23.38	195.6	35.20	-.0614
#2	-1.936	9.830	111.8	53.05	-.0691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	-.0888	-11.11	.6596	.4661	-.9482
Stddev	.7686	15.20	1.401	.6399	3.373
%RSD	865.8	136.8	212.5	137.3	355.7

#1	.4547	-21.86	-.3314	.9186	-3.333
#2	-.6323	-.3623	1.651	.0136	1.437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 3/25/2010 12:13:33 Type: QC
 Method: 6010(v36) 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	1.335	1.029	.6928	1.243	-.0933
Stddev	2.699	3.739	1.273	1.371	.0817
%RSD	202.1	363.4	183.7	110.3	87.56

#1	3.244	3.672	-.2071	2.212	-.0355
#2	-.5732	-1.615	1.593	.2733	-.1511

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	-.8642	2.322	.6904	-.1201
Stddev	1.754	2.777	.4515	.0798
%RSD	202.9	119.6	65.39	66.46

#1	.3758	4.286	.3712	-.0636
#2	-2.104	.3586	1.010	-.1765

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 3/25/2010 12:13:33 Type: QC
 Method: 6010(v36) 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	192.88	2078.4	2048.3	5569.7
Stddev	.57	6.2	12.7	1.1
%RSD	.29786	.29915	.62054	.02006

#1	192.48	2082.8	2057.2	5570.5
#2	193.29	2074.0	2039.3	5568.9

Sample Name: PBW032410B Acquired: 3/25/2010 12:17:23 Type: Unk
 Method: 6010(v36) 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	-7707	13.77	-0577	-3528	-9342
Stddev	.6619	36.41	1.088	1.780	2.640
%RSD	85.89	264.3	1887.	504.4	282.6

#1	-3027	-11.97	.7118	.9056	.9323
#2	-1.239	39.52	-.8271	-1.611	-2.801

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	-.1372	61.92	-.1741	.8326	-.0785
Stddev	.0210	67.40	.1031	.1540	.2725
%RSD	15.30	108.9	59.23	18.50	347.1

#1	-.1224	14.26	-.2471	.7237	-.2712
#2	-.1521	109.6	-.1012	.9415	.1142

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW032410B Acquired: 3/25/2010 12:17:23 Type: Unk
 Method: 6010(v36) 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	-.8285	4.136	205.3	54.67	-.0687
Stddev	.2808	25.89	85.8	4.27	.3697
%RSD	33.89	625.9	41.76	7.802	538.2

#1	-1.027	22.44	266.0	57.69	.1927
#2	-.6300	-14.17	144.7	51.66	-.3301

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	-.3795	36.33	-.5577	-1.411	.8943
Stddev	1.036	5.25	1.559	.112	.8439
%RSD	272.9	14.46	279.5	7.945	94.37

#1	-1.112	40.05	.5447	-1.490	.2976
#2	.3529	32.62	-1.660	-1.332	1.491

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW032410B Acquired: 3/25/2010 12:17:23 Type: Unk
 Method: 6010(v36) 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	1.478	-.0863	16.10	-.5135	-.0521
Stddev	.482	1.726	1.67	1.864	.0332
%RSD	32.61	1999.	10.40	363.0	63.73

#1	1.819	1.134	17.28	-1.832	-.0755
#2	1.137	-1.307	14.91	.8047	-.0286

Check ?	None	None	None	None	None
Value					
Range					

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	1.559	.3095	.2308	1.286
Stddev	1.089	4.843	.1102	.034
%RSD	69.88	1565.	47.73	2.652

#1	2.329	-3.115	.3087	1.310
#2	.7884	3.734	.1529	1.262

Check ?	None	None	None	None
Value				
Range				

Sample Name: PBW032410B Acquired: 3/25/2010 12:17:23 Type: Unk
 Method: 6010(v36) 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	195.06	2132.8	2080.0	5655.3
Stddev	1.31	5.3	11.1	28.4
%RSD	.67335	.24944	.53348	.50164

#1	195.99	2129.0	2087.9	5635.3
#2	194.13	2136.6	2072.2	5675.4

Sample Name: LCSW032410B Acquired: 3/25/2010 12:21:13 Type: Unk
 Method: 6010(v36) 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	497.5	49780.	1134.	487.1	482.8
Stddev	2.7	38.	.	2.2	4.8
%RSD	.5437	.0757	.0080	.4426	.9897

#1	495.6	49800.	1134.	485.5	479.4
#2	499.5	49750.	1134.	488.6	486.2

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	494.7	49270.	504.7	481.3	479.2
Stddev	.8	70.	.8	.0	1.3
%RSD	.1698	.1428	.1507	.0101	.2616

#1	494.1	49220.	504.1	481.4	478.3
#2	495.3	49320.	505.2	481.3	480.1

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW032410B Acquired: 3/25/2010 12:21:13 Type: Unk
 Method: 6010(v36) 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	505.3	49340.	50520.	48360.	468.7
Stddev	.9	86.	217.	56.	.8
%RSD	.1862	.1734	.4300	.1152	.1757

#1	504.6	49280.	50360.	48320.	468.1
#2	505.9	49400.	50670.	48390.	469.3

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	1078.	48710.	470.2	1070.	985.2
Stddev	6.	13.	.6	1.	4.7
%RSD	.5119	.0274	.1281	.0654	.4736

#1	1074.	48720.	469.8	1069.	988.5
#2	1081.	48700.	470.6	1070.	981.9

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW032410B Acquired: 3/25/2010 12:21:13 Type: Unk
 Method: 6010(v36) 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	1989.	573.8	1120.	971.1	1472.
Stddev	9.	1.5	5.	2.3	7.
%RSD	.4496	.2691	.4823	.2331	.4615

#1	1982.	572.8	1117.	969.5	1477.
#2	1995.	574.9	1124.	972.7	1467.

Check ?	None	None	None	None	None
Value					
Range					

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	1053.	578.5	501.3	503.0
Stddev	1.	3.4	.8	1.0
%RSD	.1261	.5805	.1669	.2060

#1	1052.	576.1	500.7	502.3
#2	1054.	580.8	501.9	503.8

Check ?	None	None	None	None
Value				
Range				

Sample Name: LCSW032410B Acquired: 3/25/2010 12:21:13 Type: Unk
 Method: 6010(v36) 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	187.58	2058.2	2012.5	5563.2
Stddev	49	19.0	2.7	34.0
%RSD	.25899	.92353	.13265	.61101

#1	187.24	2071.7	2014.4	5539.1
#2	187.93	2044.8	2010.7	5587.2

Sample Name: 823376 Acquired: 3/25/2010 12:25:03 Type: Unk
 Method: 6010(v36) 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	-.5509	20280.	1.958	77.57	85.73
Stddev	.6156	30.	2.417	1.15	1.67
%RSD	111.7	.1482	123.5	1.479	1.949

#1	-.9861	20300.	.2486	78.38	84.55
#2	-.1156	20260.	3.667	76.75	86.91

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	2.212	18970.	.5224	46.81	20.34
Stddev	.259	58.	.1480	.00	.19
%RSD	11.70	.3061	28.33	.0029	.9158

#1	2.029	19010.	.4177	46.81	20.47
#2	2.395	18930.	.6270	46.82	20.21

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823376 Acquired: 3/25/2010 12:25:03 Type: Unk
 Method: 6010(v36) 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	13.35	6460.	13980.	8626.	2131.
Stddev	3.29	13.	126.	25.	1.
%RSD	24.67	.2077	.8973	.2892	.0512

#1	11.02	6470.	13890.	8608.	2132.
#2	15.68	6451.	14070.	8644.	2131.

Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Ne-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	4.921	27930.	211.5	134.5	6.676
Stddev	.832	15.	1.4	3.2	.811
%RSD	16.92	.0525	.6585	2.387	12.14

#1	5.510	27940.	212.5	132.2	6.102
#2	4.332	27920.	210.6	136.8	7.249

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823376 Acquired: 3/25/2010 12:25:03 Type: Unk
 Method: 6010(v36) 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	1.456	-.4172	20580.	1.469	95.97
Stddev	2.156	2.200	27.	.075	.30
%RSD	148.0	527.4	.1323	5.139	.3079

#1	2.980	-1.973	20600.	1.523	96.18
#2	-.0682	1.139	20560.	1.416	95.76

Check ?	None	None	None	None	None
Value					
Range					

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	139.0	1.796	8.381	41.26
Stddev	2.0	1.751	1.277	.18
%RSD	1.448	97.49	15.24	.4347

#1	137.6	3.035	9.284	41.13
#2	140.4	.5579	7.478	41.39

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823376 Acquired: 3/25/2010 12:25:03 Type: Unk
 Method: 6010(v36) 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	190.00	2099.8	2049.9	5601.9
Stddev	.60	.5	3.5	14.9
%RSD	.31355	.02565	.16958	.26589

#1	190.42	2100.1	2047.4	5591.3
#2	189.57	2099.4	2052.3	5612.4

Sample Name: 823376LX5 Acquired: 3/25/2010 12:28:54 Type: Unk
 Method: 6010(v36) 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	-.9147	4043.	.4952	14.79	14.90
Stddev	.3444	18.	3.173	1.13	1.96
%RSD	37.65	.4533	640.8	7.648	13.13

#1	-1.158	4056.	-1.749	13.99	13.52
#2	-.6712	4030.	2.739	15.59	16.28

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	.4657	3717.	.0548	8.697	3.833
Stddev	.1765	19.	.8924	.530	.446
%RSD	37.90	.5129	1627.	6.093	11.65

#1	.3409	3730.	-.5762	9.072	4.148
#2	.5905	3703.	.6859	8.323	3.517

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823376LX5 Acquired: 3/25/2010 12:28:54 Type: Unk
 Method: 6010(v36) 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	1.910	1276.	2884.	1722.	418.4
Stddev	1.306	3.	24.	9.	.4
%RSD	68.40	.2105	.8380	.5349	.0880

#1	2.833	1274.	2901.	1716.	418.6
#2	.9861	1278.	2867.	1729.	418.1

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	1.376	5606.	41.71	25.77	3.698
Stddev	.478	20.	.07	.09	3.365
%RSD	34.72	.3570	.1741	.3530	91.02

#1	1.038	5620.	41.66	25.84	6.077
#2	1.714	5592.	41.76	25.71	1.318

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823376LX5 Acquired: 3/25/2010 12:28:54 Type: Unk
 Method: 6010(v36) 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	.5038	-.2161	3955.	1.767	18.71
Stddev	3.159	.2184	12.	.495	.14
%RSD	627.0	100.2	.3038	28.03	.7540

#1	-1.730	-.0630	3946.	2.117	18.81
#2	2.737	-.3691	3963.	1.417	18.61

Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Ti-HL	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	26.97	-1.097	1.160	8.336
Stddev	1.74	1.908	1.604	.171
%RSD	6.469	173.9	138.3	2.050

#1	25.74	.2521	.0259	8.215
#2	28.21	-2.446	2.295	8.456

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823376LX5 Acquired: 3/25/2010 12:28:54 Type: Unk
 Method: 6010(v36) 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	193.27	2095.3	2052.2	5561.7
Stddev	.44	2.6	.7	14.0
%RSD	.22775	.12463	.03521	.25257

#1	193.59	2097.2	2052.7	5551.7
#2	192.96	2093.5	2051.7	5571.6

Sample Name: 823377 Acquired: 3/25/2010 12:32:46 Type: Unk
 Method: 6010(v36) 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	4.407	14730.	2.490	71.39	57.88
Stddev	.874	81.	.566	.50	4.28
%RSD	19.82	.5501	22.72	.6999	7.390

#1	-5.025	14780.	2.890	71.75	54.86
#2	-3.790	14670.	2.090	71.04	60.91

Check ? Value Range
 None None None None None

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	1.969	17640.	.5362	2.969	85.18
Stddev	.156	76.	.2649	.605	.39
%RSD	7.934	.4309	49.41	20.36	.4616

#1	2.079	17690.	.3489	2.541	85.46
#2	1.859	17580.	.7236	3.396	84.90

Check ? Value Range
 None None None None None

Sample Name: 823377 Acquired: 3/25/2010 12:32:46 Type: Unk
 Method: 6010(v36) 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	2.943	292.7	46220.	7724.	31370.
Stddev	.922	.9	326.	14.	173.
%RSD	31.31	.3030	.7057	.1776	.5520

#1	3.595	292.1	46450.	7714.	31240.
#2	2.292	293.3	45990.	7733.	31490.

Check ? Value Range
 None None None None None

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	-2.297	25620.	25.22	21.42	2.157
Stddev	.186	37.	.18	.23	1.967
%RSD	8.095	.1459	.7005	1.051	91.18

#1	-2.429	25640.	25.34	21.26	.7664
#2	-2.166	25590.	25.10	21.58	3.548

Check ? Value Range
 None None None None None

Sample Name: 823377 Acquired: 3/25/2010 12:32:46 Type: Unk
 Method: 6010(v36) 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	1.152	-2.449	13240.	.2919	84.37
Stddev	2.004	1.765	16.	.4974	.30
%RSD	173.9	72.06	.1198	170.4	.3596

#1	-.2648	-1.201	13220.	-.0598	84.58
#2	2.570	-3.696	13250.	.6436	84.15

Check ? Value Range
 None None None None None

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	10.43	24.59	3.468	6.379
Stddev	1.79	.49	1.116	.065
%RSD	17.18	1.979	32.20	1.018

#1	9.159	24.24	2.678	6.333
#2	11.69	24.93	4.257	6.425

Check ? Value Range
 None None None None

Sample Name: 823377 Acquired: 3/25/2010 12:32:46 Type: Unk
 Method: 6010(v36) 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	192.19	2088.6	2044.0	5550.5
Stddev	.64	10.9	.9	6.6
%RSD	.33389	.52382	.04501	.11859

#1	191.74	2096.3	2044.7	5555.2
#2	192.65	2080.8	2043.4	5545.8

Sample Name: 823378 Acquired: 3/25/2010 12:36:43 Type: Unk
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem Line	Ag-LL 328.068 (103)2 (Y_HWAX)	Al-LL 396.152 (85) (Y_HWRD)	As-LL 189.042 (479) (Y_LWAX)	B-LL 208.959 (461) (Y_LWAX)	Ba-LL 233.527 (144) (Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0437	16070.	2.524	72.36	66.75
Stddev	.2321	68.	2.204	.04	1.64
%RSD	531.0	.4260	87.32	.0537	2.462

#1	.2078	16120.	4.082	72.33	65.59
#2	-.1204	16020.	.9655	72.39	67.92

Check ?	None	None	None	None	None
Value					
Range					

Elem Line	Be-LL 313.042 (108) (Y_HWRD)	Ca-LL 318.128 (106) (Y_HWRD)	Cd-LL 228.802 (447) (Y_LWAX)	Co-LL 228.616 (447) (Y_LWAX)	Cr-LL 205.552 (464) (Y_LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.030	17930.	-.1574	3.562	56.27
Stddev	.181	7.	.5911	.126	.56
%RSD	8.916	.0391	375.6	3.529	.9935

#1	1.902	17940.	-.5753	3.651	55.87
#2	2.158	17930.	.2606	3.473	56.66

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823378 Acquired: 3/25/2010 12:36:43 Type: Unk
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem Line	Cu-LL 324.754 (104)2 (Y_HWAX)	Fe-LL2 271.441 (124)2 (Y_HWAX)	K-LL 766.490 (44) (Y_HWRD)	Mg-LL 279.079 (121) (Y_HWRD)	Mn-LL 257.610 (131)2 (Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.040	1352.	29270.	7980.	12130.
Stddev	2.513	6.	180.	36.	56.
%RSD	35.70	.4517	.6162	.4564	.4647

#1	5.263	1348.	29400.	8006.	12090.
#2	8.818	1356.	29140.	7954.	12170.

Check ?	None	None	None	None	None
Value					
Range					

Elem Line	Mo-LL 202.030 (467) (Y_LWAX)	Na-LL 589.592 (57) (Y_HWRD)	Ni-LL 231.604 (445) (Y_LWAX)	P-LL 178.284 (489) (Y_LWAX)	Pb-LL 220.353 (453) (in2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.9410	26060.	31.72	39.17	4.511
Stddev	.6232	20.	1.70	.90	2.174
%RSD	66.23	.0773	5.358	2.287	48.20

#1	-.5003	26080.	32.93	38.54	2.974
#2	-1.382	26050.	30.52	39.80	6.049

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823378 Acquired: 3/25/2010 12:36:43 Type: Unk
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem Line	Sb-LL 206.833 (463) (Y_LWAX)	Se-LL 196.090 (472) (Y_LWAX)	Si-LL 288.158 (117) (Y_HWAX)	Sn1899-2 189.989 (477)2 (Y_LWAX)	Sr-LL 407.771 (83) (Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.154	-.9152	14610.	.6573	86.42
Stddev	5.467	2.426	81.	1.735	.64
%RSD	131.6	265.1	.5543	264.0	.7433

#1	8.020	.8001	14560.	-.5695	86.87
#2	.2885	-2.631	14670.	1.884	85.97

Check ?	None	None	None	None	None
Value					
Range					

Elem Line	Ti-LL 334.904 (101)2 (Y_HWAX)	Th-LL 190.856 (477) (in2306)	V-LL 292.402 (115)2 (Y_HWAX)	Zn-LL2 213.856 (458) (Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	42.45	10.15	1.272	9.002
Stddev	.43	1.48	2.048	.035
%RSD	1.017	14.57	161.0	.3941

#1	42.14	11.19	2.720	9.027
#2	42.75	9.103	-.1765	8.977

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823378 Acquired: 3/25/2010 12:36:43 Type: Unk
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306 230.606 (446) Cts/S	Y_HWAX 224.306 (150) Cts/S	Y_LWAX 224.306 (450) Cts/S	Y_HWRD 371.030 (91) Cts/S
Units				
Avg	192.95	2076.3	2039.7	5557.3
Stddev	50	16.5	.4	20.7
%RSD	.26111	.79249	.02028	.37198

#1	193.31	2088.0	2040.0	5542.7
#2	192.60	2064.7	2039.4	5571.9

Sample Name: 823380 Acquired: 3/25/2010 12:40:39 Type: Unk
 Method: 6010(v36) 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	-1.480	15390.	2.801	73.23	59.41
Stddev	.865	16.	1.276	.25	4.36
%RSD	58.46	.1015	45.54	.3439	7.337

#1	-2.092	15380.	1.899	73.05	56.33
#2	-.8683	15400.	3.703	73.41	62.50

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	2.092	18200.	.4196	2.969	90.16
Stddev	.027	20.	.6479	1.530	.17
%RSD	1.282	.1125	154.4	51.53	.1940

#1	2.111	18180.	-.0385	4.051	90.29
#2	2.074	18210.	.8777	1.887	90.04

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823380 Acquired: 3/25/2010 12:40:39 Type: Unk
 Method: 6010(v36) 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	2.977	458.3	47210.	7905.	31810.
Stddev	1.365	9.3	163.	53.	51.
%RSD	45.86	2.038	.3459	.6670	.1588

#1	3.942	464.9	47090.	7868.	31850.
#2	2.011	451.7	47320.	7942.	31780.

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	-2.301	26380.	25.35	23.61	4.732
Stddev	.636	31.	.17	.67	1.422
%RSD	27.66	.1170	.6750	2.826	30.05

#1	-2.752	26360.	25.23	24.08	5.738
#2	-1.851	26400.	25.47	23.13	3.727

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823380 Acquired: 3/25/2010 12:40:39 Type: Unk
 Method: 6010(v36) 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	-5126	-2.459	14000.	1.160	86.97
Stddev	.0604	3.149	84.	.294	.06
%RSD	11.79	128.1	.5980	25.34	.0670

#1	-5553	-4.686	14060.	.9519	86.93
#2	-4699	-.2325	13940.	1.368	87.01

Check ?	None	None	None	None	None
Value					
Range					

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	17.43	21.71	1.873	7.611
Stddev	1.55	.44	1.772	.212
%RSD	8.876	2.008	94.59	2.784

#1	16.34	22.02	3.126	7.461
#2	18.53	21.40	.6202	7.760

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823380 Acquired: 3/25/2010 12:40:39 Type: Unk
 Method: 6010(v36) 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	192.42	2074.0	2036.0	5550.4
Stddev	.74	11.7	.1	11.2
%RSD	.38402	.56415	.00389	.20168

#1	192.94	2065.7	2036.0	5558.3
#2	191.90	2082.2	2036.1	5542.5

Sample Name: 823381 Acquired: 3/25/2010 12:44:34 Type: Unk
 Method: 6010(v36) 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	-5588	14580.	-6938	72.02	54.35
Stddev	.2083	38.	1.227	.10	1.27
%RSD	37.28	.2638	176.8	.1348	2.336

#1	-7061	14610.	-1.561	72.09	55.25
#2	-4115	14550.	.1737	71.96	53.45

Check ? Value Range
 None None None None None

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	1.967	16610.	-2613	3.491	52.51
Stddev	.436	29.	.6108	.611	.37
%RSD	22.15	.1730	233.7	17.51	.7000

#1	2.275	16640.	.1706	3.923	52.77
#2	1.659	16590.	-.6932	3.059	52.25

Check ? Value Range
 None None None None None

Sample Name: 823381 Acquired: 3/25/2010 12:44:34 Type: Unk
 Method: 6010(v36) 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	3.857	1459.	27600.	7479.	10070.
Stddev	.265	39.	23.	19.	37.
%RSD	6.857	2.664	.0824	.2496	.3718

#1	4.044	1487.	27620.	7492.	10090.
#2	3.670	1432.	27580.	7465.	10040.

Check ? Value Range
 None None None None None

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	-.0573	25300.	18.39	44.97	3.071
Stddev	.4458	26.	.03	.10	3.340
%RSD	778.6	.1011	.1405	.2283	108.8

#1	-.3725	25320.	18.41	45.04	.7093
#2	.2580	25290.	18.37	44.90	5.433

Check ? Value Range
 None None None None None

Sample Name: 823381 Acquired: 3/25/2010 12:44:34 Type: Unk
 Method: 6010(v36) 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	3.582	-1.962	13790.	1.291	79.69
Stddev	1.764	.058	35.	.764	.95
%RSD	49.25	2.930	.2529	59.19	1.189

#1	4.830	-1.922	13810.	1.832	80.36
#2	2.335	-2.003	13760.	.7509	79.02

Check ? Value Range
 None None None None None

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	39.60	9.666	3.235	9.239
Stddev	.65	4.648	1.200	.098
%RSD	1.653	48.09	37.11	1.057

#1	40.06	6.379	2.386	9.308
#2	39.14	12.95	4.083	9.169

Check ? Value Range
 None None None None

Sample Name: 823381 Acquired: 3/25/2010 12:44:34 Type: Unk
 Method: 6010(v36) 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	189.38	2085.7	2046.0	5563.1
Stddev	.57	1.6	7.2	37.3
%RSD	.30244	.07514	.35344	.67075

#1	188.97	2084.6	2051.2	5536.7
#2	189.78	2086.8	2040.9	5589.5

Sample Name: 823382 Acquired: 3/25/2010 12:48:30 Type: Unk
 Method: 6010(v36) 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	-4.085	14170.	.9354	68.86	47.20
Stddev	.118	70.	1.519	.15	.39
%RSD	2.902	.4910	162.4	.2201	.8291

#1	-4.001	14120.	-.1390	68.76	47.48
#2	-4.168	14220.	2.010	68.97	46.92

Check ? Value Range
 None None None None None

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	1.804	16660.	.6127	2.259	81.84
Stddev	.041	81.	.0960	1.143	.26
%RSD	2.266	.4862	15.67	50.59	.3127

#1	1.833	16720.	.5449	3.067	81.66
#2	1.775	16610.	.6806	1.451	82.02

Check ? Value Range
 None None None None None

Sample Name: 823382 Acquired: 3/25/2010 12:48:30 Type: Unk
 Method: 6010(v36) 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	1.785	584.6	46630.	7340.	31590.
Stddev	1.196	7.0	53.	26.	496.
%RSD	67.02	1.191	.1145	.3483	1.570

#1	.9392	589.5	46670.	7358.	31940.
#2	2.631	579.6	46590.	7322.	31240.

Check ? Value Range
 None None None None None

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	-1.538	24700.	18.14	25.15	4.117
Stddev	.280	82.	.09	.82	1.947
%RSD	18.20	.3331	.4750	3.249	47.28

#1	-1.340	24760.	18.08	24.57	2.740
#2	-1.736	24640.	18.20	25.73	5.493

Check ? Value Range
 None None None None None

Sample Name: 823382 Acquired: 3/25/2010 12:48:30 Type: Unk
 Method: 6010(v36) 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	2.019	-5.497	12980.	.9079	79.60
Stddev	5.973	1.515	24.	1.058	.57
%RSD	295.8	27.56	.1820	116.6	.7220

#1	-2.204	-6.568	12990.	1.656	79.20
#2	6.243	-4.426	12960.	.1596	80.01

Check ? Value Range
 None None None None None

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	21.93	23.36	1.915	7.107
Stddev	2.75	1.22	1.495	.205
%RSD	12.54	5.212	78.04	2.888

#1	19.99	24.22	2.972	7.252
#2	23.88	22.50	.8584	6.962

Check ? Value Range
 None None None None

Sample Name: 823382 Acquired: 3/25/2010 12:48:30 Type: Unk
 Method: 6010(v36) 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	193.24	2091.7	2037.9	5569.5
Stddev	1.17	19.0	2.6	2.7
%RSD	.60743	.90790	.12904	.04885

#1	192.41	2078.3	2039.8	5571.4
#2	194.07	2105.2	2036.1	5567.6

Sample Name: 823383 Acquired: 3/25/2010 12:52:26 Type: Unk
 Method: 6010(v36) 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	-3071	15400.	1.289	71.56	62.70
Stddev	.0230	57.	1.596	2.34	10.69
%RSD	7.492	.3711	123.8	3.272	17.04

#1	-2909	15440.	2.417	69.90	55.14
#2	-3234	15360.	1.608	73.21	70.25

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	2.133	17710.	.0319	4.159	56.02
Stddev	.034	17.	.2832	.215	.69
%RSD	1.577	.0958	887.2	5.174	1.231

#1	2.109	17720.	.2322	4.007	55.53
#2	2.156	17700.	-.1683	4.311	56.51

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823383 Acquired: 3/25/2010 12:52:26 Type: Unk
 Method: 6010(v36) 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	4.389	713.5	30130.	7797.	12830.
Stddev	1.007	2.0	44.	11.	122.
%RSD	22.94	.2832	.1474	.1437	.9511

#1	3.677	714.9	30100.	7805.	12920.
#2	5.101	712.1	30170.	7789.	12750.

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	-.4773	25910.	28.31	30.33	.1946
Stddev	.8405	50.	1.09	1.02	3.535
%RSD	176.1	.1941	3.840	3.358	1817.

#1	.1170	25870.	27.54	29.61	2.694
#2	-1.072	25940.	29.07	31.05	-2.305

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823383 Acquired: 3/25/2010 12:52:26 Type: Unk
 Method: 6010(v36) 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	3.320	-1.732	13970.	.3044	85.11
Stddev	3.812	5.045	39.	.0680	.02
%RSD	114.8	291.3	.2814	22.34	.0221

#1	6.015	1.835	14000.	.3525	85.10
#2	.6243	-5.300	13940.	.2563	85.13

Check ?	None	None	None	None	None
Value					
Range					

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	24.88	8.797	-.1103	8.257
Stddev	.95	4.436	.4912	.260
%RSD	3.829	50.42	445.3	3.152

#1	24.21	11.93	-.4576	8.441
#2	25.56	5.661	.2370	8.073

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823383 Acquired: 3/25/2010 12:52:26 Type: Unk
 Method: 6010(v36) 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	194.39	2071.6	2048.2	5562.3
Stddev	.26	2.8	1.7	10.9
%RSD	.13368	.13590	.08161	.19596

#1	194.21	2069.6	2047.0	5570.0
#2	194.58	2073.6	2049.4	5554.6

Sample Name: CCV Acquired: 3/25/2010 12:56:21 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	105.0	30440.	105.9	735.8	191.3
Stddev	1.8	76.	1.3	3.4	2.2
%RSD	1.685	.2500	1.269	.4593	1.154
#1	106.2	30390.	105.0	733.4	192.9
#2	103.7	30500.	106.9	738.2	189.8

Check ?
 High Limit
 Low Limit

Elem	Be-LL	Ca-LL	Cd-LL	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	99.96	30120.	99.83	195.4	196.2
Stddev	.36	138.	.15	.2	.1
%RSD	.3586	.4587	.1543	.0816	.0453
#1	100.2	30220.	99.72	195.5	196.3
#2	99.71	30020.	99.94	195.3	196.1

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 12:56:21 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	201.2	30340.	30790.	30460.	191.1
Stddev	2.5	116.	59.	158.	.8
%RSD	1.263	.3816	.1918	.5185	.4268
#1	203.0	30420.	30830.	30340.	191.6
#2	199.4	30260.	30750.	30570.	190.5

Check ?
 High Limit
 Low Limit

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	200.6	30600.	193.8	210.6	393.7
Stddev	.2	49.	1.5	4.1	2.7
%RSD	.0780	.1602	.7582	1.931	.6889
#1	200.4	30640.	192.7	207.7	391.7
#2	200.7	30570.	194.8	213.4	395.6

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 12:56:21 Type: QC
 Method: 6010(v36) 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	310.8	102.4	1019.	205.4	296.8
Stddev	.1	.5	13.	3.1	1.4
%RSD	.0205	.4924	1.280	1.534	.4670
#1	310.8	102.0	1028.	203.2	297.8
#2	310.9	102.8	1010.	207.6	295.8

Check ?
 High Limit
 Low Limit

Elem	Ti-LL	Ti-LL	V-LL	Zn-LL
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(ln2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	402.5	103.7	198.6	202.0
Stddev	2.4	.2	1.6	.0
%RSD	.6071	.1858	.8303	.0146
#1	404.2	103.8	199.8	202.0
#2	400.7	103.6	197.4	202.0

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 12:56:21 Type: QC
 Method: 6010(v36) 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	189.10	2046.8	2019.1	5503.6
Stddev	94	11.6	5.3	17.1
%RSD	.49688	.56725	.26231	.31043
#1	189.76	2055.0	2022.9	5515.6
#2	188.43	2038.6	2015.4	5491.5

Sample Name: CCB Acquired: 3/25/2010 13:00:09 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-1.533	38.50	-2.020	-55.44	-4.763
Stddev	.295	2.54	.079	.7772	2.248
%RSD	19.26	6.604	3.909	140.2	47.20

#1	-1.324	40.29	-2.076	-.0048	-6.352
#2	-1.742	36.70	-1.964	-1.104	-3.173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-LL	Cd-LL	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	-.0783	27.48	-.4198	.2676	-.2914
Stddev	.1020	9.19	.4943	.2310	.2315
%RSD	130.2	33.44	117.8	86.31	79.42

#1	-.0062	20.99	-.7693	.4309	-.4551
#2	-.1504	33.98	-.0702	.1043	-.1278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 3/25/2010 13:00:09 Type: QC
 Method: 6010(v36) 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	-1.252	-10.48	118.2	64.16	-.2792
Stddev	.702	31.22	127.0	5.91	.1970
%RSD	56.10	297.9	107.4	9.203	70.55

#1	-1.748	11.59	208.1	59.98	-.1399
#2	-.7552	-32.56	28.41	68.33	-.4185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	1.023	9.753	-.1260	-.5503	-1.943
Stddev	.782	62.57	.7017	.0544	3.212
%RSD	76.50	641.6	557.1	9.892	165.4

#1	1.576	54.00	.3702	-.5888	.3288
#2	.4694	-34.49	-.6222	-.5118	-4.214

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 3/25/2010 13:00:09 Type: QC
 Method: 6010(v36) 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	1.776	-1.743	4.959	-.0349	-.0565
Stddev	1.587	1.715	.489	.7352	.1028
%RSD	89.93	98.39	10.06	2108.	181.8

#1	.6465	-2.955	4.606	-.5547	.0162
#2	2.905	-.5302	5.312	.4850	-.1292

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	.5181	-3.161	-1.130	-.1421
Stddev	.4513	6.551	.244	.0978
%RSD	87.11	207.3	21.61	68.83

#1	.8372	-7.793	-1.302	-.0729
#2	.1990	1.472	-.9572	-.2112

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 3/25/2010 13:00:09 Type: QC
 Method: 6010(v36) 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	192.55	2073.4	2033.0	5549.2
Stddev	1.36	10.5	3.1	23.9
%RSD	.70599	.50503	.15165	.43120

#1	191.59	2080.8	2030.8	5566.1
#2	193.52	2066.0	2035.2	5532.3

Sample Name: CRI Acquired: 3/25/2010 13:04:01 Type: QC
 Method: 6010(v36) 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	7.091	260.3	7.439	F -1.401	201.9
Stddev	.073	5.0	.249	.379	5.8
%RSD	1.025	1.916	3.345	27.01	2.863

#1	7.039	263.8	7.615	-1.669	206.0
#2	7.142	256.8	7.263	-1.134	197.9

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	5.007	5467.	4.772	49.83	10.03
Stddev	.076	69.	.244	.35	.20
%RSD	1.517	1.265	5.118	.7055	1.960

#1	5.061	5419.	4.599	49.58	9.891
#2	4.954	5516.	4.945	50.08	10.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 3/25/2010 13:04:01 Type: QC
 Method: 6010(v36) 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	25.31	101.2	5840.	5473.	14.88
Stddev	.26	9.0	15.	62.	.04
%RSD	1.009	8.855	.2651	1.130	.2571

#1	25.13	94.87	5829.	5517.	14.90
#2	25.49	107.5	5851.	5430.	14.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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 -.8051	5566.	41.37	F -2.474	11.17
Stddev	.3947	48.	1.02	1.167	4.86
%RSD	49.02	.8559	2.477	47.16	43.52

#1	-1.084	5532.	40.65	-1.649	7.734
#2	-5.261	5599.	42.10	-3.299	14.61

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: 3/25/2010 13:04:01 Type: QC
 Method: 6010(v36) 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	65.29	34.80	F 3.670	F .6855	F .0525
Stddev	.21	2.10	6.496	.1061	.0229
%RSD	.3265	6.034	177.0	15.48	43.56

#1	65.14	36.29	-9228	.6105	.0687
#2	65.44	33.32	8.264	.7605	.0363

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	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	F .2016	24.96	50.12	62.97
Stddev	.1268	2.42	1.70	.07
%RSD	62.91	9.714	3.390	.1063

#1	.1119	26.67	51.32	63.02
#2	.2913	23.24	48.91	62.92

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 3/25/2010 13:04:01 Type: QC
 Method: 6010(v36) 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	193.18	2089.0	2050.9	5529.3
Stddev	1.88	13.7	3.3	4.4
%RSD	.97459	.65355	.15887	.07895

#1	191.84	2098.6	2048.6	5532.4
#2	194.51	2079.3	2053.2	5526.2

Sample Name: ICSA Acquired: 3/25/2010 13:07:51 Type: QC
 Method: 6010(v36) 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	-1.157	257400.	-3913	-1.299	-2.472
Stddev	.250	1244.	2.023	2.458	7.835
%RSD	21.61	.4832	517.0	189.2	316.9

#1	-1.334	258300.	-1.822	-3.038	-8.012
#2	-9802	256500.	1.039	.4388	3.068

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.1542	255300.	1.107	1.505	-1.022
Stddev	.3166	1087.	.242	.091	.140
%RSD	205.3	.4259	21.89	6.034	13.70

#1	-3780	256100.	.9355	1.441	-1.121
#2	.0697	254500.	1.278	1.569	-9.231

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 13:07:51 Type: QC
 Method: 6010(v36) 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	-4429	103400.	258.2	251500.	-2.347
Stddev	.1952	568.	29.8	849.	.076
%RSD	44.07	.5494	11.54	.3377	3.249

#1	-5809	103800.	279.3	252100.	-2.401
#2	-3048	103000.	237.2	250900.	-2.293

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.791	5.835	-5.548	2.080	-3.793
Stddev	.511	32.20	.175	3.191	1.128
%RSD	28.53	551.9	3.146	153.4	29.74

#1	-1.430	-16.94	-5.425	-.1768	-2.995
#2	-2.152	28.61	-5.671	4.336	-4.590

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 13:07:51 Type: QC
 Method: 6010(v36) 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	1.497	-2.573	22.58	1.061	2.444
Stddev	.578	1.943	2.95	1.234	.059
%RSD	38.61	75.52	13.07	116.3	2.398

#1	1.089	-1.199	20.49	1.933	2.486
#2	1.906	-3.948	24.67	.1881	2.403

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	5.328	2.882	-3.533	-5.436
Stddev	.068	3.713	.585	.019
%RSD	1.280	128.9	16.55	.3475

#1	5.280	.2561	-3.120	-5.423
#2	5.376	5.508	-3.946	-5.449

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 13:07:51 Type: QC
 Method: 6010(v36) 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	184.75	1975.6	1964.3	5427.1
Stddev	1.91	17.5	8.3	36.3
%RSD	1.0334	.88362	.42059	.66936

#1	183.40	1963.2	1958.5	5401.4
#2	186.10	1987.9	1970.2	5452.8

Sample Name: ICSAB Acquired: 3/25/2010 13:11:41 Type: QC
 Method: 6010(v36) 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	213.6	256000.	F 107.8	F -1.794	478.3
Stddev	.9	128.	5.4	1.286	3.3
%RSD	.4177	.0499	5.042	71.67	.6952
#1	212.9	255900.	111.6	-2.703	480.6
#2	214.2	256100.	103.9	-.8849	475.9
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	505.2	253400.	1021.	487.4	493.5
Stddev	.6	407.	1.	.1	1.6
%RSD	.1125	.1605	.1131	.0256	.3177
#1	505.6	253700.	1020.	487.3	492.4
#2	504.8	253100.	1021.	487.5	494.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 3/25/2010 13:11:41 Type: QC
 Method: 6010(v36) 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	544.3	F 103100.	133.7	249600.	483.4
Stddev	2.0	118.	19.2	285.	.5
%RSD	.3750	.1148	14.37	.1140	.0978
#1	545.8	103200.	120.1	249800.	483.8
#2	542.9	103100.	147.3	249400.	483.1
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-LL	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 -.6858	9.236	961.1	F -1.881	44.32
Stddev	.6894	1.082	4.0	.159	2.56
%RSD	100.5	11.71	.4135	8.436	5.765
#1	-1.173	10.00	958.3	-1.769	46.12
#2	-.1983	8.471	963.9	-1.993	42.51
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: 3/25/2010 13:11:41 Type: QC
 Method: 6010(v36) 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	643.6	48.09	F 20.42	-.6872	2.393
Stddev	2.8	4.95	5.25	2.324	.009
%RSD	.4376	10.30	25.69	338.2	.3911
#1	645.6	44.59	24.13	-2.331	2.400
#2	641.6	51.59	16.71	.9563	2.387
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			20.00		
Low Limit			-20.00		
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	F 2.981	102.2	501.0	1025.	
Stddev	.985	6.0	2.7		
%RSD	33.02	5.910	.5408	.0090	
#1	2.285	106.4	502.9	1025.	
#2	3.677	97.90	499.1	1025.	
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	
High Limit	600.0				
Low Limit	400.0				

Sample Name: ICSAB Acquired: 3/25/2010 13:11:41 Type: QC
 Method: 6010(v36) 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	186.01	1972.1	1950.9	5436.4
Stddev	.23	.1	1.9	49.0
%RSD	.12616	.00706	.09752	.90048
#1	185.84	1972.0	1952.2	5471.0
#2	186.18	1972.2	1949.5	5401.8

Sample Name: CCV Acquired: 3/25/2010 13:15:29 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	103.4	30590.	106.3	734.6	196.2
Stddev	2.7	36.	1.3	.3	16.8
%RSD	2.633	.1160	1.182	.0376	8.585

#1	101.5	30620.	107.2	734.8	184.3
#2	105.3	30570.	105.4	734.4	208.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Be-LL	Ca-LL	Cd-LL	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	100.1	30400.	99.21	195.2	197.8
Stddev	.2	46.	.00	1.7	.4
%RSD	.1709	.1520	.0024	.8638	.1972

#1	100.3	30430.	99.21	194.0	197.5
#2	100.0	30360.	99.21	196.3	198.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 13:15:29 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	199.8	30740.	30870.	30820.	192.4
Stddev	2.7	25.	116.	37.	.0
%RSD	1.342	.0812	.3768	.1207	.0121

#1	201.7	30760.	30950.	30850.	192.4
#2	197.9	30720.	30790.	30800.	192.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	199.8	30880.	193.5	212.1	401.2
Stddev	.4	51.	2.0	.1	1.3
%RSD	.2062	.1666	1.034	.0376	.3309

#1	200.0	30910.	192.1	212.2	400.3
#2	199.5	30840.	194.9	212.1	402.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 13:15:29 Type: QC
 Method: 6010(v36) 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	317.7	106.1	1032.	206.9	299.6
Stddev	2.4	1.6	1.	.5	1.0
%RSD	.7690	1.524	.0725	.2387	.3469

#1	319.4	104.9	1031.	206.6	300.3
#2	316.0	107.2	1032.	207.3	298.9

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)	(ln2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	400.6	101.5	200.6	203.7
Stddev	2.3	3.5	1.1	.2
%RSD	.5818	3.416	.5412	.1198

#1	398.9	99.09	201.4	203.5
#2	402.2	104.0	199.8	203.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 13:15:29 Type: QC
 Method: 6010(v36) 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	187.37	2035.2	2015.3	5519.9
Stddev	95	5.2	2.7	3.0
%RSD	.50658	.25674	.13549	.05400

#1	188.04	2038.9	2017.2	5517.8
#2	186.69	2031.5	2013.4	5522.0

Sample Name: CCB Acquired: 3/25/2010 13:19:18 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	2.651	-12.52	F 12.66	F 12.17	F 41.88
Stddev	4.826	89.12	1.46	.75	62.88
%RSD	182.0	711.6	11.52	6.124	150.1

#1	-7611	50.50	13.69	12.70	-2.584
#2	6.063	-75.54	11.62	11.64	86.34

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			10.00	10.00	10.00
Low Limit			-10.00	-10.00	-10.00

Elem	Be-LL	Ca-LL	Cd-LL	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	.0590	190.3	5.649	.8496	-1.189
Stddev	.2331	218.5	.363	4.009	.765
%RSD	395.2	114.8	6.420	471.8	64.33

#1	-1.058	35.85	5.393	-1.985	-1.730
#2	.2238	344.8	5.906	3.684	-.6482

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 3/25/2010 13:19:18 Type: QC
 Method: 6010(v36) 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	6.248	-64.94	50.97	75.40	-.2606
Stddev	9.969	75.59	144.2	74.71	.0969
%RSD	159.6	116.4	282.9	99.09	37.20

#1	-.8014	-11.49	152.9	22.57	-.3291
#2	13.30	-118.4	-50.99	128.2	-1920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	-1.833	-50.83	-12.80	-17.51	F -12.15
Stddev	1.402	96.77	2.58	7.73	6.94
%RSD	76.48	190.4	20.17	44.13	57.09

#1	-2.824	17.59	-14.62	-22.97	-17.05
#2	-.8417	-119.3	-10.97	-12.05	-7.245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					10.00
Low Limit					-10.00

Sample Name: CCB Acquired: 3/25/2010 13:19:18 Type: QC
 Method: 6010(v36) 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	13.69	14.70	F 21.64	11.85	-1552
Stddev	8.10	1.04	31.96	1.04	.0937
%RSD	59.15	7.089	147.7	8.801	60.39

#1	7.967	13.96	-9640	12.59	-0.889
#2	19.42	15.43	44.24	11.12	-2215

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			20.00		
Low Limit			-20.00		

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	1.985	-16.45	-7.688	.7324
Stddev	1.532	7.37	7.352	.1892
%RSD	77.14	44.81	95.62	25.83

#1	9024	-21.66	-2.490	.5986
#2	3.068	-11.24	-12.89	.8662

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 3/25/2010 13:19:18 Type: QC
 Method: 6010(v36) 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	169.82	1851.0	1877.5	5227.0
Stddev	9.73	133.0	45.5	298.0
%RSD	5.7280	7.1873	2.4216	5.7013

#1	162.94	1945.1	1845.3	5437.8
#2	176.69	1757.0	1909.6	5016.3

TestAmerica Burlington

Runlog Review Report

Analyzed by: ~~TFS~~ JSW *

Date: 3/25/2010

Reviewed by: SLO

Date: 3-26-10

QC Review by: TFS

Date: 3/26/10

TJA ICAP 7

ICP Metals ILM05.3

QC use: Cal#:

Prep#

Inst#:

Seq Sample ID	Analysis		DF	Matrix	Data File	Prep Batch	Analyst Comments
	Date	Time					
1. S0	3/25/2010	19:36:33	1	WATER	032510-03.txt		Hg
2. STD7	3/25/2010	19:40:21	1	WATER	032510-03.txt		Pb
3. STD8	3/25/2010	19:44:09	1	WATER	032510-03.txt		Cd
4. STD4	3/25/2010	19:48:01	1	WATER	032510-03.txt		Pb
5. ICV1	3/25/2010	19:51:51	1	WATER	032510-03.txt		Mn
6. ICB1	3/25/2010	19:55:38	1	WATER	032510-03.txt		
7. CRI1	3/25/2010	19:59:28	1	WATER	032510-03.txt		
8. ICSA1	3/25/2010	20:03:18	1	WATER	032510-03.txt		
9. ICSAB1	3/25/2010	20:07:06	1	WATER	032510-03.txt		
10. CCV1	3/25/2010	20:10:53	1	WATER	032510-03.txt		
11. CCB1	3/25/2010	20:14:40	1	WATER	032510-03.txt		
12. PBW032410B	3/25/2010	20:18:30	1	WATER	032510-03.txt		
13. LCSW032410B	3/25/2010	20:22:21	1	WATER	032510-03.txt		
14. 823376	3/25/2010	20:26:12	1	WATER	032510-03.txt		
15. 823376LX5	3/25/2010	20:30:03	1	WATER	032510-03.txt		
16. 823377	3/25/2010	20:33:54	1	WATER	032510-03.txt		
17. 823378	3/25/2010	20:37:49	1	WATER	032510-03.txt		
18. 823380	3/25/2010	20:41:46	1	WATER	032510-03.txt		
19. 823381	3/25/2010	20:45:41	1	WATER	032510-03.txt		
20. 823382	3/25/2010	20:49:36	1	WATER	032510-03.txt		
21. 823383	3/25/2010	20:53:33	1	WATER	032510-03.txt		
22. CCV2	3/25/2010	20:57:29	1	WATER	032510-03.txt		
23. CCB2	3/25/2010	21:01:17	1	WATER	032510-03.txt		
24. 823377X10 Mn	3/25/2010	21:05:07	1	WATER	032510-03.txt		
25. 823378X10	3/25/2010	21:08:57	1	WATER	032510-03.txt		
26. 823380X10	3/25/2010	21:12:48	1	WATER	032510-03.txt		
27. 823381X10	3/25/2010	21:16:39	1	WATER	032510-03.txt		
28. 823382X10	3/25/2010	21:20:30	1	WATER	032510-03.txt		
29. 823383X10	3/25/2010	21:24:21	1	WATER	032510-03.txt		
30. CRI2	3/25/2010	21:28:13	1	WATER	032510-03.txt		
31. ICSA2	3/25/2010	21:32:03	1	WATER	032510-03.txt		
32. ICSAB2	3/25/2010	21:35:51	1	WATER	032510-03.txt		
33. CCV3	3/25/2010	21:39:39	1	WATER	032510-03.txt		
34. CCB3	3/25/2010	21:43:28	1	WATER	032510-03.txt		

X SLO 3-26-10

Analytical Review Report

Data File: 032510-03.txt

Date Printed: 3/26/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 19:36:3

End Time: 21:43:2

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		2.818	0.000	0.000	0.21	2.8				
ICV1	1	PASS	498.400	496.000	500.800	0.68	498.40	100.0	500.0	90	110
ICB1	1	PASS	0.403	0.406	0.400	1.02	0.403				+/-10.00
CRI1	1	PASS	7.436	8.374	6.497	17.84	7.44	74.0	10.0	70	130
ICSA1	1	FAIL	-0.936	-0.997	-0.874	9.29	-0.94				0
ICSAB1	1	PASS	207.000	208.400	205.500	0.99	207	104.0	200	80	120
CCV1	1	PASS	102.000	100.800	103.200	1.72	102.00	102.0	100.0	90	110
CCB1	1	PASS	0.535	-0.253	1.322	208.30	0.535				+/-10.00
CCV2	1	PASS	103.900	104.000	103.800	0.15	103.90	104.0	100.0	90	110
CCB2	1	PASS	0.080	-0.709	0.868	1395.00	0.080				+/-10.00
CRI2	1	PASS	8.803	10.490	7.114	27.14	8.80	88.0	10.0	70	130
ICSA2	1	FAIL	-0.556	-0.027	-1.085	134.60	-0.56				0
ICSAB2	1	PASS	219.900	220.700	219.100	0.49	220	110.0	200	80	120
CCV3	1	PASS	107.500	107.900	107.100	0.58	107.50	108.0	100.0	90	110
CCB3	1	PASS	-0.971	-0.978	-0.964	0.99	-0.971				+/-10.00
Quality Control and Field Samples											
S0	1	PASS	0.000	0.000	0.000	3347.00	-0.000				
PBW032410B	1	PASS	-0.230	-1.917	1.458	1039.00	-0.230				+/-10.00
LCSW032410B	1	PASS	490.400	492.900	488.000	0.70	490.40	98.0	500.0	80.0	120.0
823376	1	PASS	-0.520	-0.503	-0.537	4.67	-0.52				
823376LX5	1	PASS	-0.300	1.434	-2.034	816.60	-0.30				
823377	1	PASS	-2.301	-0.078	-4.524	136.70	-2.3				
823378	1	PASS	-2.624	-0.784	-4.463	99.15	-2.6				
823380	1	PASS	-1.844	-2.266	-1.422	32.39	-1.8				
823381	1	PASS	-0.285	-1.486	0.916	596.40	-0.28				
823382	1	PASS	-1.282	0.145	-2.709	157.40	-1.3				
823383	1	PASS	-0.576	0.066	-1.219	157.60	-0.58				
823377X10	1	PASS	0.533	0.953	0.113	111.30	0.53				
823378X10	1	PASS	-1.008	-0.482	-1.534	73.79	-1.0				
823380X10	1	PASS	-1.698	-3.572	0.176	156.10	-1.7				
823381X10	1	PASS	-0.629	-1.820	0.562	267.90	-0.63				
823382X10	1	PASS	-0.913	-1.049	-0.777	21.11	-0.91				
823383X10	1	PASS	1.295	1.691	0.898	43.32	1.3				

Analytical Review Report

Data File: 032510-03.txt

Date Printed: 3/26/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 19:36:3

End Time: 21:43:2

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		0.124	0.000	0.000	0.05	0.12				
ICV1	1	PASS	258.700	253.200	264.200	2.99	258.70	103.0	250.0	90	110
ICB1	1	PASS	-1.463	-1.367	-1.558	9.23	-1.463				+/-10.00
CRI1	1	PASS	8.601	9.873	7.330	20.91	8.60	86.0	10.0	70	130
ICSA1	1	FAIL	-0.593	-2.308	1.122	408.90	-0.59				0
ICSAB1	1	PASS	106.600	107.100	106.200	0.54	107	107.0	100	80	120
CCV1	1	PASS	100.000	97.750	102.300	3.20	100.00	100.0	100.0	90	110
CCB1	1	PASS	-2.559	-2.048	-3.069	28.21	-2.559				+/-10.00
CCV2	1	PASS	104.000	104.400	103.600	0.55	104.00	104.0	100.0	90	110
CCB2	1	PASS	-2.846	-4.602	-1.089	87.30	-2.846				+/-10.00
CRI2	1	PASS	10.380	10.340	10.430	0.62	10.38	104.0	10.0	70	130
ICSA2	1	FAIL	-2.720	-4.419	-1.022	88.30	-2.7				0
ICSAB2	1	PASS	106.200	106.500	106.000	0.36	106	106.0	100	80	120
CCV3	1	PASS	101.100	97.150	105.000	5.50	101.10	101.0	100.0	90	110
CCB3	1	PASS	-3.116	-1.103	-5.129	91.35	-3.116				+/-10.00
Quality Control and Field Samples											
S0	1	PASS	0.002	0.000	0.000	7.94	0.002				
PBW032410B	1	PASS	-1.387	1.737	-4.511	318.50	-1.387				+/-10.00
LCSW032410B	1	PASS	1104.000	1102.000	1107.000	0.33	1104.00	105.0	1050.0	80.0	120.0
823376	1	PASS	-0.086	0.610	-0.783	1140.00	-0.086				
823376LX5	1	PASS	2.180	2.021	2.340	10.34	2.2				
823377	1	PASS	2.678	2.298	3.059	20.10	2.7				
823378	1	PASS	0.940	0.864	1.016	11.39	0.94				
823380	1	PASS	0.443	1.739	-0.853	413.60	0.44				
823381	1	PASS	2.487	3.760	1.214	72.38	2.5				
823382	1	PASS	2.044	-1.069	5.156	215.40	2.0				
823383	1	PASS	2.499	3.485	1.513	55.81	2.5				
823377X10	1	PASS	-1.010	0.480	-2.500	208.70	-1.0				
823378X10	1	PASS	-1.847	1.767	-5.461	276.70	-1.8				
823380X10	1	PASS	-3.983	-5.147	-2.819	41.31	-4.0				
823381X10	1	PASS	-0.563	-0.119	-1.007	111.50	-0.56				
823382X10	1	PASS	-1.039	-4.644	2.565	490.40	-1.0				
823383X10	1	PASS	-4.673	-5.955	-3.391	38.80	-4.7				

Analytical Review Report

Data File: 032510-03.txt

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Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 19:36:3

End Time: 21:43:2

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		1.205	0.000	0.000	0.17	1.2				
ICV1	1	PASS	488.400	488.100	488.600	0.08	488.40 \ 98.0	500.0	90	110	
ICB1	1	PASS	~ 0.350	0.156	0.545	78.42	0.351				+/-5.00
CRI1	1	PASS	5.159	5.505	4.813	9.49	5.16 \ 103.0	5.0	70	130	
ICSA1	1	FAIL	1.977	1.772	2.183	14.70	2.0				0
ICSAB1	1	PASS	994.300	993.800	994.800	0.07	994 \ 99.0	1000	80	120	
CCV1	1	PASS	96.620	96.680	96.560	0.08	96.62 \ 97.0	100.0	90	110	
CCB1	1	PASS	~-0.073	-0.231	0.085	306.60	-0.073				+/-5.00
CCV2	1	PASS	95.940	95.840	96.040	0.15	95.94 \ 96.0	100.0	90	110	
CCB2	1	PASS	~-0.415	-0.543	-0.287	43.58	-0.415				+/-5.00
CRI2	1	PASS	4.469	4.432	4.507	1.18	4.47 \ 89.0	5.0	70	130	
ICSA2	1	FAIL	1.544	1.306	1.783	21.87	1.5				0
ICSAB2	1	PASS	988.800	986.900	990.700	0.27	989 \ 99.0	1000	80	120	
CCV3	1	PASS	95.320	95.360	95.280	0.06	95.32 \ 95.0	100.0	90	110	
CCB3	1	PASS	~-0.296	-0.115	-0.477	86.59	-0.296				+/-5.00
Quality Control and Field Samples											
S0	1	PASS	-0.010	0.000	0.000	5.09	-0.010				
PBW032410B	1	PASS	~ 0.051	-0.188	0.290	661.90	0.051				+/-5.00
LCSW032410B	1	PASS	483.000	482.700	483.400	0.10	483.00 \ 92.0	525.0	80.0	120.0	
823376	1	PASS	0.530	0.383	0.676	39.02	0.53				
823376LX5	1	PASS	0.184	0.289	0.078	81.56	0.18				
823377	1	PASS	0.142	0.494	-0.210	350.00	0.14				
823378	1	PASS	0.436	0.398	0.475	12.38	0.44				
823380	1	PASS	0.061	0.010	0.112	117.90	0.061				
823381	1	PASS	-0.029	0.022	-0.080	249.80	-0.029				
823382	1	PASS	0.086	0.452	-0.280	601.60	0.086				
823383	1	PASS	0.058	-0.049	0.166	259.40	0.059				
823377X10	1	PASS	-0.324	-0.062	-0.586	114.40	-0.32				
823378X10	1	PASS	0.261	0.118	0.404	77.52	0.26				
823380X10	1	PASS	-0.318	-0.067	-0.569	111.50	-0.32				
823381X10	1	PASS	-0.143	-0.474	0.188	326.80	-0.14				
823382X10	1	PASS	-0.097	-0.012	-0.183	124.60	-0.097				
823383X10	1	PASS	0.196	-0.237	0.629	312.80	0.20				

Analytical Review Report

Data File: 032510-03.txt

Date Printed: 3/26/10

Truevalue List: ICP7_D066-540

TJA ICAP 7

ICP Metals ILM05.3

Analysis Start Date: 3/25/2010

Analysis End Date: 3/25/2010

Start Time: 19:36:3

End Time: 21:43:2

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		4.481	0.000	0.000	0.62	4.5				
ICV1	1	PASS	985.000	989.700	980.400	0.66	985.00 \ 98.0	1000.0	90	110	
ICB1	1	PASS	3.023	-0.580	6.626	168.50	3.023				+/-10.00
CRI1	1	PASS	10.800	11.990	9.609	15.60	10.80 \ 108.0	10.0	50	150	
ICSA1	1	FAIL	1.085	1.223	0.948	17.89	1.1				0
ICSAB1	1	PASS	43.100	41.110	45.080	6.51	43.1 \ 86.0	50	80	120	
CCV1	1	PASS	383.400	380.400	386.400	1.12	383.40 \ 96.0	400.0	90	110	
CCB1	1	PASS	3.862	4.676	3.049	29.79	3.862				+/-10.00
CCV2	1	PASS	397.400	399.700	395.200	0.79	397.40 \ 99.0	400.0	90	110	
CCB2	1	PASS	1.605	-0.171	3.382	156.50	1.605				+/-10.00
CRI2	1	PASS	12.250	11.820	12.680	4.94	12.25 \ 122.0	10.0	50	150	
ICSA2	1	FAIL	-0.553	2.314	-3.421	732.80	-0.55				0
ICSAB2	1	PASS	47.900	48.840	46.970	2.76	47.9 \ 96.0	50	80	120	
CCV3	1	PASS	396.700	390.500	402.900	2.20	396.70 \ 99.0	400.0	90	110	
CCB3	1	PASS	-0.323	-2.360	1.714	892.90	-0.323				+/-10.00
Quality Control and Field Samples											
S0	1	PASS	-0.040	0.000	0.000	10.87	-0.040				
PBW032410B	1	PASS	1.732	4.534	-1.071	228.90	1.732				+/-10.00
LCSW032410B	1	PASS	947.800	943.100	952.500	0.70	947.80 \ 93.0	1015.0	80.0	120.0	
823376	1	PASS	11.660	14.820	8.500	38.31	11.7				
823376LX5	1	PASS	0.224	1.816	-1.368	1004.00	0.22				
823377	1	PASS	3.452	5.843	1.061	97.94	3.5				
823378	1	PASS	8.353	9.822	6.884	24.87	8.4				
823380	1	PASS	6.625	6.555	6.695	1.49	6.6				
823381	1	PASS	6.497	7.921	5.074	30.99	6.5				
823382	1	PASS	4.242	2.280	6.203	65.39	4.2				
823383	1	PASS	2.731	0.333	5.130	124.20	2.7				
823377X10	1	PASS	3.226	4.026	2.425	35.09	3.2				
823378X10	1	PASS	1.430	1.375	1.484	5.41	1.4				
823380X10	1	PASS	5.825	6.278	5.372	11.00	5.8				
823381X10	1	PASS	1.325	-2.884	5.534	449.20	1.3				
823382X10	1	PASS	4.112	4.418	3.806	10.53	4.1				
823383X10	1	PASS	4.578	2.532	6.625	63.20	4.6				

Analytical Review Report

Date Printed: 3/26/10

Data File: 032510-03.txt

Truevalue List: ICP7_D066-540

TJA ICAP 7

Analysis Start Date: 3/25/2010

Start Time: 19:36:3

ICP Metals ILM05.3

Analysis End Date: 3/25/2010

End Time: 21:43:2

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		27.910	0.000	0.000	0.19	27.9				
ICV1	1	PASS	473.500	472.600	474.300	0.25	473.50	95.0	500.0	90	110
ICB1	1	PASS	-0.168	-0.240	-0.096	60.47	-0.168				+/-15.00
CRI1	1	PASS	14.520	14.460	14.570	0.50	14.52	97.0	15.0	70	130
ICSA1	1	FAIL	-2.126	-2.017	-2.236	7.30	-2.1				0
ICSAB1	1	PASS	468.900	470.000	467.800	0.33	469	94.0	500	80	120
CCV1	1	PASS	185.700	186.200	185.200	0.39	185.70	93.0	200.0	90	110
CCB1	1	PASS	0.197	0.338	0.056	101.10	0.197				+/-15.00
CCV2	1	PASS	187.000	187.300	186.800	0.22	187.00	94.0	200.0	90	110
CCB2	1	PASS	1.449	1.415	1.482	3.29	1.449				+/-15.00
CRI2	1	PASS	14.790	14.640	14.930	1.39	14.79	99.0	15.0	70	130
ICSA2	1	FAIL	-2.153	-2.286	-2.020	8.71	-2.2				0
ICSAB2	1	PASS	478.300	479.800	476.800	0.44	478	96.0	500	80	120
CCV3	1	PASS	189.200	188.600	189.700	0.42	189.20	95.0	200.0	90	110
CCB3	1	PASS	-0.138	-0.113	-0.162	25.12	-0.138				+/-15.00
Quality Control and Field Samples											
S0	1	PASS	0.009	0.000	0.000	54.88	0.009				
PBW032410B	1	PASS	0.093	-0.028	0.214	183.50	0.093				+/-15.00
LCSW032410B	1	PASS	453.800	454.700	452.900	0.27	453.80	91.0	500.0	80.0	120.0
823376	1	PASS	2085.000	2084.000	2085.000	0.04	2080				
823376LX5	1	PASS	414.400	415.100	413.700	0.23	414				
823377	1	FAIL	30960.000	30940.000	30990.000	0.12	30960				
823378	1	FAIL	11730.000	11770.000	11700.000	0.41	11730				
823380	1	FAIL	31230.000	31200.000	31270.000	0.17	31230				
823381	1	PASS	9839.000	9889.000	9789.000	0.72	9840				
823382	1	FAIL	31410.000	31530.000	31290.000	0.55	31410				
823383	1	FAIL	12350.000	12390.000	12310.000	0.49	12350				
823377X10	1	PASS	3264.000	3270.000	3258.000	0.26	3260				
823378X10	1	PASS	1216.000	1219.000	1213.000	0.34	1220				
823380X10	1	PASS	3312.000	3301.000	3323.000	0.46	3310				
823381X10	1	PASS	1026.000	1027.000	1024.000	0.17	1030				
823382X10	1	PASS	3314.000	3318.000	3310.000	0.18	3310				
823383X10	1	PASS	1296.000	1298.000	1294.000	0.21	1300				

LAV = 10.000
SD 3-26-10

Sample Name: S0 Acquired: 3/25/2010 19:36:33 Type: Cal
 Method: 6010(v36) 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	-0.002	-0.001	.0023	.0025	.0001
Stddev	.0074	.0011	.0002	.0000	.0004
%RSD	3347.	1720.	7.940	.8554	312.6

#1	.0050	.0007	.0024	.0025	.0004
#2	-.0054	-.0008	.0021	.0025	-.0001

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	.0018	-.0098	-.0120	-.0025
Stddev	.0008	.0017	.0005	.0004	.0001
%RSD	56.17	92.01	5.090	3.072	3.730

#1	-.0019	.0030	-.0102	-.0118	-.0024
#2	-.0008	.0006	-.0095	-.0123	-.0026

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	.1601	-.0223	-.0509	.0006	.0090
Stddev	.0066	.0026	.0015	.0014	.0049
%RSD	4.141	11.84	2.920	229.1	54.88

#1	.1554	-.0242	-.0499	-.0004	.0055
#2	.1648	-.0204	-.0520	.0016	.0125

Sample Name: S0 Acquired: 3/25/2010 19:36:33 Type: Cal
 Method: 6010(v36) 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}	231.804 {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	-.0007	-.0404	.0134	-.0013	-.0399
Stddev	.0001	.0004	.0004	.0001	.0043
%RSD	17.68	1.112	2.737	10.40	10.87

#1	-.0006	-.0401	.0137	-.0012	-.0430
#2	-.0008	-.0407	.0132	-.0014	-.0369

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	.0013	.0064	.2418	.0004	.0079
Stddev	.0006	.0006	.0015	.0000	.0048
%RSD	47.64	9.518	.6396	7.871	59.92

#1	.0008	.0068	.2429	.0003	.0046
#2	.0017	.0059	.2407	.0004	.0113

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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0284	-.0179	-.0070	.0031
Stddev	.0003	.0124	.0003	.0005
%RSD	.9354	69.41	3.855	16.02

#1	-.0283	-.0267	-.0072	.0034
#2	-.0286	-.0091	-.0068	.0027

Sample Name: S0 Acquired: 3/25/2010 19:36:33 Type: Cal
 Method: 6010(v36) 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	191.80	2053.9	2020.1	5256.1
Stddev	2.13	4.2	4.2	16.2
%RSD	1.1097	.20275	.20820	.30861

#1	193.31	2050.9	2023.1	5244.7
#2	190.30	2056.8	2017.1	5267.6

Sample Name: STD7 Acquired: 3/25/2010 19:40:21 Type: Cal
 Method: 6010(v36) 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	2.809	.9326	11.55	1.980	1.118
Stddev	.010	.0012	.04	.005	.004
%RSD	.3414	.1322	.3545	.2723	.3657
#1	2.816	.9335	11.57	1.976	1.121
#2	2.802	.9318	11.52	1.983	1.115

Elem	Na-LL
Line	589.592 { 57}
IS Ref	(Y_HWRD)
Units	Cts/S
Avg	6.403
Stddev	.005
%RSD	.0832
#1	6.407
#2	6.399

Int. Std.	Y_HWAX	Y_HWRD
Line	224.306 {150}	371.030 { 91}
Units	Cts/S	Cts/S
Avg	2043.5	5194.5
Stddev	3.5	22.5
%RSD	.17172	.43266
#1	2046.0	5178.6
#2	2041.0	5210.4

Sample Name: STD8 Acquired: 3/25/2010 19:44:09 Type: Cal
Method: 6010(v36) 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	.1241	4.481	.1111	.1026	.2450
Stddev	.0001	.028	.0003	.0007	.0002
%RSD	.0459	.6164	.3081	.7235	.0757
#1	.1241	4.461	.1113	.1031	.2451
#2	.1240	4.500	.1108	.1020	.2448

Elem	Ti-LL
Line	190.856 (477)
IS Ref	(In2306)
Units	Cts/S
Avg	1.044
Stddev	.007
%RSD	.6422
#1	1.039
#2	1.049

Int. Std.	In2306	Y_-LWAX
Line	230.606 (446)	224.306 (450)
Units	Cts/S	Cts/S
Avg	190.71	2042.0
Stddev	.93	1.8
%RSD	.48942	.09052
#1	191.37	2040.7
#2	190.05	2043.3

Sample Name: STD4 Acquired: 3/25/2010 19:48:01 Type: Cal
Method: 6010(v36) 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-LL
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	2.818	.5911	.0951	3.005	1.205
Stddev	.006	.0016	.0005	.004	.002
%RSD	.2053	.2702	.4764	.1349	.1656
#1	2.822	.5922	.0954	3.008	1.206
#2	2.814	.5899	.0948	3.002	1.203

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	1.214	1.877	7.182	27.91	.8973
Stddev	.003	.004	.030	.05	.0020
%RSD	.2022	.2247	.4193	.1933	.2266
#1	1.216	1.880	7.160	27.87	.8959
#2	1.212	1.874	7.203	27.95	.8987

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	.7895	.1942	6.628	34.57	5.288
Stddev	.0029	.0013	.030	.35	.009
%RSD	.3735	.6542	.4606	1.002	.1767
#1	.7916	.1951	6.607	34.82	5.295
#2	.7874	.1933	6.650	34.33	5.281

Sample Name: STD4 Acquired: 3/25/2010 19:48:01 Type: Cal
Method: 6010(v36) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V-LL	Zn-LL
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	4.100	5.771
Stddev	.009	.014
%RSD	.2249	.2464
#1	4.093	5.781
#2	4.106	5.761

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	2080.2	2029.0	5302.6
Stddev	16.5	14.9	20.3
%RSD	.79490	.73411	.38300
#1	2091.9	2018.5	5288.3
#2	2068.5	2039.5	5317.0

Sample Name: ICV Acquired: 3/25/2010 19:51:51 Type: QC
 Method: 6010(v36) 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	498.4	26190.	258.7	499.6	480.1
Stddev	3.4	42.	7.7	1.3	4.1
%RSD	.6798	.1602	2.993	.2584	.8500

#1	496.0	26160.	253.2	498.7	477.2
#2	500.8	26220.	264.2	500.6	483.0

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	503.6	25420.	488.4	482.7	485.1
Stddev	.6	45.	.4	.2	1.8
%RSD	.1263	.1773	.0814	.0493	.3685

#1	504.1	25450.	488.1	482.5	486.4
#2	503.2	25390.	488.6	482.8	483.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 3/25/2010 19:51:51 Type: QC
 Method: 6010(v36) 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	25710.	26270.	24950.	473.5
Stddev	1.8	64.	23.	113.	1.2
%RSD	.3729	.2494	.0867	.4536	.2539

#1	491.9	25660.	26260.	24870.	472.6
#2	494.5	25750.	26290.	25030.	474.3

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	512.6	25240.	475.4	506.6	985.0
Stddev	.2	61.	.1	.8	6.5
%RSD	.0420	.2398	.0212	.1540	.6648

#1	512.7	25200.	475.4	506.1	989.7
#2	512.4	25280.	475.3	507.2	980.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 3/25/2010 19:51:51 Type: QC
 Method: 6010(v36) 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	258.1	253.5	258.7	246.3	483.5
Stddev	.2	1.3	5.7	1.5	2.4
%RSD	.0872	.5165	2.186	.6052	.4870

#1	258.0	254.4	254.7	245.3	485.2
#2	258.3	252.5	262.7	247.4	481.8

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	497.8	234.2	502.0	504.7
Stddev	.8	3.0	.8	.7
%RSD	.1567	1.273	.1635	.1376

#1	497.2	232.1	501.4	505.2
#2	498.3	236.3	502.6	504.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICV Acquired: 3/25/2010 19:51:51 Type: QC
 Method: 6010(v36) 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	185.53	2034.0	1992.0	5212.7
Stddev	.03	14.1	2.8	8.8
%RSD	.01772	.69283	.13881	.16919

#1	185.51	2044.0	1990.0	5206.5
#2	185.56	2024.1	1994.0	5218.9

Sample Name: ICB Acquired: 3/25/2010 19:55:38 Type: QC
 Method: 6010(v36) 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	.4034	-33.28	-1.463	2.358	-2.029
Stddev	.0041	23.24	.135	.263	.2227
%RSD	1.018	69.84	9.230	11.16	109.8

#1	.4063	-16.84	-1.367	2.544	-.0454
#2	.4005	-49.71	-1.558	2.172	-.3604

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	.0967	-56.18	.3505	-1.157	.4539
Stddev	.2384	36.66	.2749	.541	.3502
%RSD	246.5	65.25	78.42	46.77	77.15

#1	-.0718	-82.10	.1562	-.7745	.7016
#2	.2652	-30.26	.5449	-1.540	.2063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 3/25/2010 19:55:38 Type: QC
 Method: 6010(v36) 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	-2.243	2.088	-18.85	-6.897	-.1678
Stddev	.076	1.621	42.69	38.30	.1015
%RSD	3.403	77.64	226.5	555.4	60.47

#1	-2.297	.9417	11.34	-33.98	-.2395
#2	-2.189	3.234	-49.04	20.19	-.0961

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	1.457	14.15	-1.226	.4783	3.023
Stddev	.299	24.25	1.038	2.345	5.095
%RSD	20.52	171.4	84.65	490.2	168.5

#1	1.668	31.30	-.4920	2.136	-.5798
#2	1.245	-2.997	-1.959	-1.180	6.626

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 3/25/2010 19:55:38 Type: QC
 Method: 6010(v36) 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	2.263	-2440	-8.719	1.548	.0031
Stddev	1.718	.4430	.182	.645	.0107
%RSD	75.91	181.6	2.088	41.66	348.2

#1	1.049	.0693	-8.848	2.004	.0106
#2	3.478	-.5572	-8.591	1.092	-.0045

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	-.8118	-2.951	1.287	.0997
Stddev	.5875	4.375	2.069	.0947
%RSD	73.59	148.3	160.7	94.98

#1	-.3894	.1429	2.751	.1667
#2	-1.234	-6.045	-.1759	.0327

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICB Acquired: 3/25/2010 19:55:38 Type: QC
 Method: 6010(v36) 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	189.82	2044.0	2007.2	5199.0
Stddev	44	5.1	.3	21.0
%RSD	.23189	.25150	.01483	.40340

#1	189.51	2040.3	2007.4	5184.2
#2	190.14	2047.6	2007.0	5213.9

132.874 1430.8 1405.04 3639.3
 246.766 2657.2 2609.36 6758.7

SLD 3-26-10

Sample Name: CRI Acquired: 3/25/2010 19:59:28 Type: QC
 Method: 6010(v36) 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	7.436	194.1	8.601	F .5011	197.8
Stddev	1.327	23.0	1.798	1.318	.5
%RSD	17.84	11.84	20.91	263.0	.2643

#1	8.374	177.8	9.873	1.433	197.5
#2	6.497	210.3	7.330	-.4309	198.2

Check ? 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	4.958	5250.	5.159	49.84	10.23
Stddev	.134	73.	.489	.51	.31
%RSD	2.709	1.385	9.489	1.014	3.021

#1	5.053	5199.	5.505	49.49	10.01
#2	4.863	5301.	4.813	50.20	10.44

Check ? High Limit Low Limit

Sample Name: CRI Acquired: 3/25/2010 19:59:28 Type: QC
 Method: 6010(v36) 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	22.16	105.1	5733.	5315.	14.52
Stddev	2.38	6.7	61.	85.	.07
%RSD	10.74	6.425	1.066	1.605	.5032

#1	20.48	109.8	5690.	5375.	14.46
#2	23.84	100.3	5777.	5254.	14.57

Check ? 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 .3337	5372.	37.07	F -1.192	10.80
Stddev	.4753	24.	.61	1.844	1.69
%RSD	142.4	.4533	1.635	154.6	15.60

#1	.6698	5355.	36.65	.1113	11.99
#2	-.0024	5389.	37.50	-2.496	9.609

Check ? High Limit Low Limit

Sample Name: CRI Acquired: 3/25/2010 19:59:28 Type: QC
 Method: 6010(v36) 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	58.50	34.81	F -.1219	F -.2593	F -.0191
Stddev	6.70	2.69	2.112	2.132	.0197
%RSD	11.46	7.711	1733.	822.0	103.3

#1	63.24	32.92	-1.616	-1.767	-.0051
#2	53.76	36.71	1.372	1.248	-.0330

Check ? 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	F -.2434	19.42	49.55	60.90
Stddev	.5586	5.62	.57	.09
%RSD	229.5	28.96	1.144	.1446

#1	.1516	15.44	49.15	60.96
#2	-.6384	23.40	49.95	60.84

Check ? High Limit Low Limit

Sample Name: CRI Acquired: 3/25/2010 19:59:28 Type: QC
 Method: 6010(v36) 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	190.83	2063.0	2028.4	5232.8
Stddev	1.88	18.3	.7	25.0
%RSD	.98288	.88818	.03490	.47706

#1	192.15	2050.1	2027.9	5215.2
#2	189.50	2076.0	2028.9	5250.5

Sample Name: ICSA Acquired: 3/25/2010 20:03:18 Type: QC
 Method: 6010(v36) 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	-9358	249800.	-5932	3.070	-5.781
Stddev	.0869	190.	2.425	.626	4.875
%RSD	9.286	.0760	408.9	20.41	84.32

#1	-9972	249900.	-2.308	2.627	-2.334
#2	-8743	249600.	1.122	3.513	-9.228

Check ?
 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	-0995	247400.	1.977	1.403	-3664
Stddev	.0720	238.	.291	.098	.0934
%RSD	72.35	.0961	14.70	7.002	25.50

#1	-1503	247500.	1.772	1.473	-3003
#2	-0486	247200.	2.183	1.334	-4324

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/25/2010 20:03:18 Type: QC
 Method: 6010(v36) 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	-1.101	100400.	11.70	242800.	-2.126
Stddev	2.001	275.	32.80	44.	.155
%RSD	181.7	.2738	280.3	.0179	7.296

#1	.3139	100600.	-11.49	242800.	-2.017
#2	-2.515	100200.	34.89	242800.	-2.236

Check ?
 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	-4003	65.92	-5.411	.2979	1.085
Stddev	.3637	26.40	.443	3.143	.194
%RSD	90.85	40.05	8.194	1055.	17.89

#1	-1432	47.25	-5.098	-1.924	1.223
#2	-6574	84.58	-5.725	2.520	.9480

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/25/2010 20:03:18 Type: QC
 Method: 6010(v36) 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	-5.086	-7.949	9.206	-1.263	2.385
Stddev	7.800	2.245	7.341	2.485	.058
%RSD	153.1	28.24	79.73	1966.	2.413

#1	-10.61	-6.362	14.40	-1.883	2.425
#2	.4193	-9.537	4.016	1.630	2.344

Check ?
 High Limit
 Low Limit

Elem	Ti-LL	Ti-HL	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	2.318	-2.234	-2.433	-4.933
Stddev	.011	1.318	1.165	.119
%RSD	.4658	59.00	47.89	2.414

#1	2.310	-1.302	-3.257	-5.017
#2	2.325	-3.165	-1.609	-4.848

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/25/2010 20:03:18 Type: QC
 Method: 6010(v36) 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	184.60	1964.4	1938.6	5106.0
Stddev	.44	.0	14.8	7.2
%RSD	.24037	.00038	.76498	.14186

#1	184.28	1964.4	1928.1	5111.1
#2	184.91	1964.4	1949.1	5100.8

Sample Name: ICSAB Acquired: 3/25/2010 20:07:06 Type: QC
 Method: 6010(v36) 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	207.0	250100.	F 106.6	F 4100	469.3
Stddev	2.0	508.	.6	.4616	4.2
%RSD	.9858	.2032	.5393	112.6	.9051

#1	208.4	249700.	107.1	.0836	466.3
#2	205.5	250500.	106.2	.7364	472.3

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	494.1	247500.	994.3	474.4	479.9
Stddev	1.2	372.	.7	.7	.3
%RSD	.2493	.1501	.0727	.1505	.0593

#1	493.2	247300.	993.8	473.9	479.7
#2	494.9	247800.	994.8	474.9	480.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 3/25/2010 20:07:06 Type: QC
 Method: 6010(v36) 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	526.3	F 100500.	-154.8	243300.	468.9
Stddev	.5	266.	70.3	678.	1.6
%RSD	.1006	.2642	45.43	.2788	.3345

#1	526.7	100700.	-204.5	242800.	470.0
#2	525.9	100300.	-105.0	243800.	467.8

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 -.4127	61.31	934.2	F -1.408	43.10
Stddev	.0710	8.22	3.1	.732	2.81
%RSD	17.20	13.40	.3336	51.96	6.509

#1	-.4629	67.12	932.0	-.8908	41.11
#2	-.3625	55.50	936.4	-1.926	45.08

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: 3/25/2010 20:07:06 Type: QC
 Method: 6010(v36) 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	624.1	44.63	9.462	-.7523	2.444
Stddev	2.9	.56	6.145	2.061	.099
%RSD	.4689	1.252	64.95	274.0	4.045

#1	626.2	45.03	5.116	-2.210	2.374
#2	622.0	44.24	13.81	.7053	2.514

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	F 3.116	94.42	490.0	993.2
Stddev	.993	1.19	.3	.2
%RSD	31.86	1.257	.0522	.0189

#1	2.414	95.25	490.2	993.4
#2	3.818	93.58	489.8	993.1

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	600.0			
Low Limit	400.0			

Sample Name: ICSAB Acquired: 3/25/2010 20:07:06 Type: QC
 Method: 6010(v36) 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	183.18	1964.8	1919.9	5097.0
Stddev	.34	3.0	1.8	14.7
%RSD	.18295	.15363	.09348	.28831

#1	182.94	1967.0	1921.2	5086.6
#2	183.41	1962.7	1918.7	5107.4

Sample Name: CCV Acquired: 3/25/2010 20:10:53 Type: QC
 Method: 6010(v36) 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	102.0	29590.	100.0	711.6	189.4
Stddev	1.8	20.	3.2	.9	4.6
%RSD	1.719	.0689	3.198	.1272	2.443

#1	100.8	29580.	97.75	711.0	192.7
#2	103.2	29600.	102.3	712.3	186.2

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	97.17	29360.	96.62	188.5	190.9
Stddev	.18	66.	.08	.3	.3
%RSD	.1833	.2233	.0839	.1723	.1742

#1	97.30	29410.	96.68	188.2	191.2
#2	97.04	29320.	96.56	188.7	190.7

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/25/2010 20:10:53 Type: QC
 Method: 6010(v36) 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	29770.	29300.	29620.	185.7
Stddev	1.7	95.	64.	71.	.7
%RSD	.8514	.3204	.2173	.2399	.3936

#1	196.3	29830.	29250.	29570.	186.2
#2	194.0	29700.	29340.	29670.	185.2

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	194.7	29690.	185.0	205.0	383.4
Stddev	.1	74.	.7	2.3	4.3
%RSD	.0702	.2483	.3744	1.114	1.118

#1	194.6	29640.	184.5	203.4	380.4
#2	194.8	29740.	185.5	206.6	386.4

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/25/2010 20:10:53 Type: QC
 Method: 6010(v36) 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	301.0	98.70	992.1	198.7	289.6
Stddev	.3	3.91	6.2	.3	1.2
%RSD	.1157	3.962	.6263	.1451	.3991

#1	300.7	95.93	996.5	198.5	290.5
#2	301.2	101.5	987.7	198.9	288.8

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	387.4	91.14	194.4	197.7
Stddev	.7	.71	1.7	.3
%RSD	.1888	.7754	.9000	.1383

#1	387.9	90.64	195.6	197.5
#2	386.8	91.64	193.1	197.9

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 3/25/2010 20:10:53 Type: QC
 Method: 6010(v36) 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	188.12	2028.8	1987.4	5192.7
Stddev	3.26	5.8	1.6	27.7
%RSD	1.7337	.28481	.07826	.53371

#1	190.42	2024.7	1988.5	5173.1
#2	185.81	2032.8	1986.3	5212.3

Sample Name: CCB Acquired: 3/25/2010 20:14:40 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	.5346	2.672	-2.559	1.969	-5.917
Stddev	1.113	7.440	.722	.208	.375
%RSD	208.3	278.5	28.21	10.57	6.334

#1	-.2527	-2.589	-2.048	1.822	-6.182
#2	1.322	7.933	-3.069	2.117	-5.652

Check ? High Limit Low Limit

Elem	Be-LL	Ca-LL	Cd-LL	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	.0037	-95.33	-.0729	.1045	.2904
Stddev	.0625	79.63	.2236	.2384	.3953
%RSD	1696.	83.53	306.6	228.0	136.1

#1	.0478	-39.02	-.2311	.2731	.5699
#2	-.0405	-151.6	.0852	-.0640	.0109

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2010 20:14:40 Type: QC
 Method: 6010(v36) 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	-2.369	7.027	-145.0	-11.71	.1971
Stddev	1.455	9.119	41.0	41.71	.1994
%RSD	61.40	129.8	28.31	356.1	101.1

#1	-3.398	.5789	-116.0	17.78	.3381
#2	-1.341	13.47	-174.0	-41.21	.0562

Check ? High Limit Low Limit

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	.7503	40.98	-.9161	.5931	3.862
Stddev	.0097	13.31	3.181	.7862	1.151
%RSD	1.291	32.48	347.3	132.5	29.79

#1	.7435	50.39	1.333	1.149	4.676
#2	.7572	31.56	-3.166	.0372	3.049

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2010 20:14:40 Type: QC
 Method: 6010(v36) 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	1.244	-1.757	-6.514	-.3572	.0107
Stddev	1.650	.731	3.529	.0759	.0282
%RSD	132.6	41.61	54.17	21.26	262.8

#1	2.411	-1.240	-4.019	-.3035	.0306
#2	.0773	-2.275	-9.010	-.4109	-.0092

Check ? 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	-3616	-10.24	-.1917	.7241
Stddev	.4785	.34	.3047	.1316
%RSD	132.3	3.284	158.9	18.18

#1	-.6999	-10.01	.0237	.6310
#2	-.0233	-10.48	-.4072	.8171

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2010 20:14:40 Type: QC
 Method: 6010(v36) 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	188.79	2049.3	2004.5	5203.6
Stddev	3.75	19.1	9.0	14.7
%RSD	1.9841	.93272	.44663	.28224

#1	191.44	2035.7	2010.8	5214.0
#2	186.15	2062.8	1998.1	5193.2

Sample Name: PBW032410B Acquired: 3/25/2010 20:18:30 Type: Unk
Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-LL	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	-2297	-23.10	-1.387	3.319	.5866
Stddev	2.386	6.46	4.418	.108	1.513
%RSD	1039.	27.94	318.5	3.243	258.0

#1	-1.917	-18.54	1.737	3.395	-4834
#2	1.458	-27.66	-4.511	3.243	1.657

Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-LL	Cd-LL	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	-0.0907	-69.90	.0511	-4.106	.1785
Stddev	.5002	76.78	.3381	.1622	.4407
%RSD	551.4	109.8	661.9	39.50	246.8

#1	-4.444	-124.2	-1880	-5252	-1331
#2	.2630	-15.60	.2902	-2959	.4902

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW032410B Acquired: 3/25/2010 20:18:30 Type: Unk
Method: 6010(v36) 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	-2.575	.9187	21.23	-14.61	.0933
Stddev	1.490	3.983	102.5	16.35	.1713
%RSD	57.86	433.6	482.6	111.9	183.5

#1	-1.521	-1.898	93.68	-3.046	-.0277
#2	-3.628	3.735	-51.22	-26.17	.2144

Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	-.3670	48.66	-.9561	.8162	1.732
Stddev	.0654	22.13	1.095	1.128	3.964
%RSD	17.81	45.49	114.5	138.2	228.9

#1	-.3208	64.31	-.1819	1.614	4.534
#2	-.4133	33.01	-1.730	.0189	-1.071

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW032410B Acquired: 3/25/2010 20:18:30 Type: Unk
Method: 6010(v36) 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	-6.223	-3.063	11.80	-.5618	-.0118
Stddev	1.856	4.081	2.69	.6650	.1015
%RSD	298.2	133.2	22.83	118.4	861.8

#1	-1.934	-5.949	13.71	-.0916	-.0836
#2	.6899	-.1774	9.898	-1.032	.0600

Check ?	None	None	None	None	None
Value					
Range					

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	-.7190	-5.360	1.261	1.178
Stddev	1.735	7.733	.003	.240
%RSD	241.3	144.3	.2385	20.37

#1	-1.946	.1083	1.259	1.348
#2	.5080	-10.83	1.263	1.009

Check ?	None	None	None	None
Value				
Range				

Sample Name: PBW032410B Acquired: 3/25/2010 20:18:30 Type: Unk
Method: 6010(v36) 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	191.94	2093.8	2047.1	5307.4
Stddev	.66	18.9	3.5	12.9
%RSD	.34629	.90422	.16864	.24328

#1	192.42	2080.4	2049.5	5316.5
#2	191.47	2107.1	2044.6	5298.2

Sample Name: LCSW032410B Acquired: 3/25/2010 20:22:21 Type: Unk
 Method: 6010(v36) 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	490.4	48450.	1104.	469.9	448.1
Stddev	3.4	60.	4.	4.1	4.1
%RSD	.7018	.1235	.3334	.8749	.9056

#1	492.9	48400.	1102.	466.9	445.2
#2	488.0	48490.	1107.	472.8	450.9

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	483.1	47900.	483.0	462.2	467.0
Stddev	.5	188.	.5	.2	.8
%RSD	.0934	.3916	.1015	.0366	.1813

#1	482.8	47760.	482.7	462.3	467.6
#2	483.4	48030.	483.4	462.1	466.4

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW032410B Acquired: 3/25/2010 20:22:21 Type: Unk
 Method: 6010(v36) 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	486.3	48720.	48930.	46840.	453.8
Stddev	3.6	226.	269.	294.	1.2
%RSD	.7452	.4630	.5501	.6266	.2727

#1	488.9	48880.	48740.	46630.	454.7
#2	483.8	48560.	49120.	47050.	452.9

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	1030.	47400.	452.3	1037.	947.8
Stddev	4.	73.	.1		6.6
%RSD	.3584	.1540	.0158	.0266	.7009

#1	1028.	47350.	452.3	1037.	943.1
#2	1033.	47450.	452.2	1038.	952.5

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW032410B Acquired: 3/25/2010 20:22:21 Type: Unk
 Method: 6010(v36) 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	1935.	551.5	1089.	947.7	1461.
Stddev	3.	3	5.	4	12.
%RSD	.1774	.0527	.4411	.0438	.8379

#1	1937.	551.3	1093.	947.4	1452.
#2	1933.	551.7	1086.	948.0	1470.

Check ?	None	None	None	None	None
Value					
Range					

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	1017.	552.0	492.7	489.3
Stddev	4.	1.2	2.5	6
%RSD	.3805	.2099	.5161	.1194

#1	1020.	551.2	494.5	489.7
#2	1014.	552.9	490.9	488.9

Check ?	None	None	None	None
Value				
Range				

Sample Name: LCSW032410B Acquired: 3/25/2010 20:22:21 Type: Unk
 Method: 6010(v36) 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	187.60	2027.0	1990.8	5183.0
Stddev	1.73	4.4	.4	17.9
%RSD	.92475	.21529	.01895	.34447

#1	188.82	2023.9	1990.6	5195.6
#2	186.37	2030.1	1991.1	5170.4

Sample Name: 823376 Acquired: 3/25/2010 20:26:12 Type: Unk
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-5202	19860.	-0864	78.41	82.33
Stddev	.0243	127.	.9852	.53	4.21
%RSD	4.674	.6392	1140.	.6814	5.115

#1	-5030	19770.	.6103	78.78	85.31
#2	-5374	19950.	-.7831	78.03	79.35

Check ? Value Range

Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-LL	Cd-LL	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	2.284	18500.	.5295	43.61	20.45
Stddev	.080	37.	.2066	.91	.31
%RSD	3.510	.1976	39.02	2.077	1.514

#1	2.341	18530.	.3834	42.97	20.67
#2	2.228	18480.	.6756	44.25	20.23

Check ? Value Range

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823376 Acquired: 3/25/2010 20:26:12 Type: Unk
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	12.80	6456.	13600.	8426.	2085.
Stddev	.01	1.	153.	55.	1.
%RSD	.1096	.0122	1.121	.6496	.0436

#1	12.81	6456.	13710.	8387.	2084.
#2	12.79	6455.	13490.	8464.	2085.

Check ? Value Range

Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	5.254	27390.	204.1	131.4	11.66
Stddev	.293	104.	1.5	2.0	4.47
%RSD	5.586	.3796	.7151	1.502	38.31

#1	5.046	27320.	205.2	130.0	14.82
#2	5.461	27460.	203.1	132.8	8.500

Check ? Value Range

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823376 Acquired: 3/25/2010 20:26:12 Type: Unk
 Method: 6010(v36) 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	-1.889	-6.191	20170.	-1381	94.32
Stddev	4.122	2.370	12.	.1169	.14
%RSD	218.2	38.29	.0593	84.66	.1536

#1	-4.804	-4.515	20180.	-.0554	94.42
#2	1.026	-7.867	20170.	-.2208	94.22

Check ? Value Range

Check ?	None	None	None	None	None
Value					
Range					

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	133.5	-6.389	8.459	40.49
Stddev	1.4	3.229	.334	.09
%RSD	1.026	50.54	3.949	.2308

#1	132.5	-4.106	8.695	40.55
#2	134.4	-8.672	8.223	40.42

Check ? Value Range

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823376 Acquired: 3/25/2010 20:26:12 Type: Unk
 Method: 6010(v36) 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	188.10	2060.3	2019.2	5285.0
Stddev	.71	.6	3.7	10.7
%RSD	.37968	.02913	.18385	.20272

#1	187.59	2060.8	2016.6	5277.4
#2	188.60	2059.9	2021.9	5292.5

Sample Name: 823376LX5 Acquired: 3/25/2010 20:30:03 Type: Unk
 Method: 6010(v36) 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	-3.003	3960.	2.180	15.62	11.41
Stddev	2.452	25.	.225	.88	6.16
%RSD	816.6	.6231	10.34	5.629	53.97

#1	1.434	3978.	2.021	16.24	15.77
#2	-2.034	3943.	2.340	15.00	7.057

Check ? Value Range
 None None None None None

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	.5417	3663.	.1836	9.588	4.187
Stddev	.0600	20.	.1497	.785	.311
%RSD	11.07	.5372	81.56	8.186	7.421

#1	.4992	3677.	.2895	10.14	4.407
#2	.5841	3649.	.0777	9.033	3.967

Check ? Value Range
 None None None None None

Sample Name: 823376LX5 Acquired: 3/25/2010 20:30:03 Type: Unk
 Method: 6010(v36) 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	1.192	1289.	2632.	1708.	414.4
Stddev	1.357	26.	86.	4.	1.0
%RSD	113.9	2.019	3.265	.2609	.2296

#1	2.152	1308.	2572.	1705.	415.1
#2	.2324	1271.	2693.	1711.	413.7

Check ? Value Range
 None None None None None

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	.9814	5611.	40.57	25.50	.2242
Stddev	1.158	35.	.77	.64	2.251
%RSD	118.0	.6220	1.902	2.523	1004.

#1	1.800	5636.	41.12	25.96	1.816
#2	.1628	5587.	40.03	25.05	-1.368

Check ? Value Range
 None None None None None

Sample Name: 823376LX5 Acquired: 3/25/2010 20:30:03 Type: Unk
 Method: 6010(v36) 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	-1.022	-2.978	3927.	.8913	18.77
Stddev	1.006	3.537	18.	1.427	.07
%RSD	98.38	118.8	.4497	160.1	.3567

#1	-1.734	-4.768	3940.	-1.178	18.81
#2	-.3112	-5.479	3915.	1.900	18.72

Check ? Value Range
 None None None None None

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	25.06	-5.781	1.695	8.219
Stddev	.34	3.245	1.216	.051
%RSD	1.373	56.13	71.75	.6236

#1	24.82	-8.076	.8349	8.183
#2	25.30	-3.486	2.555	8.256

Check ? Value Range
 None None None None

Sample Name: 823376LX5 Acquired: 3/25/2010 20:30:03 Type: Unk
 Method: 6010(v36) 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 (448)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	189.78	2062.6	2022.2	5242.9
Stddev	1.43	15.1	4.6	39.0
%RSD	.75542	.73057	.22585	.74389

#1	190.80	2051.9	2019.0	5215.3
#2	188.77	2073.2	2025.4	5270.5

Sample Name: 823377 Acquired: 3/25/2010 20:33:54 Type: Unk
 Method: 6010(v36) 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	-2.301	14510.	2.678	71.43	58.51
Stddev	3.144	3.	.538	1.86	3.45
%RSD	136.7	.0224	20.10	2.604	5.901

#1	-0.775	14510.	2.298	70.11	56.07
#2	-4.524	14510.	3.059	72.74	60.95

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	1.876	17200.	.1421	1.686	84.38
Stddev	.266	105.	.4974	.552	.32
%RSD	14.16	.6096	350.0	32.74	.3812

#1	1.688	17280.	.4938	2.076	84.15
#2	2.064	17130.	-.2096	1.296	84.61

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823377 Acquired: 3/25/2010 20:33:54 Type: Unk
 Method: 6010(v36) 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	1.601	292.0	45010.	7458.	30960.
Stddev	.605	10.2	3.	26.	37.
%RSD	37.81	3.504	.0067	.3421	.1184

#1	1.173	284.8	45010.	7439.	30940.
#2	2.029	299.2	45010.	7476.	30990.

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	-2.527	25080.	23.78	21.17	3.452
Stddev	1.098	4.	1.02	1.21	3.381
%RSD	43.45	.0172	4.281	5.714	97.94

#1	-1.751	25070.	24.49	22.03	5.843
#2	-3.304	25080.	23.06	20.32	1.061

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823377 Acquired: 3/25/2010 20:33:54 Type: Unk
 Method: 6010(v36) 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	-.7738	-10.96	13060.	.5293	82.85
Stddev	4.267	2.32	20.	1.219	.27
%RSD	55.15	21.20	.1568	230.3	.3199

#1	-4.720	-12.60	13070.	-.3327	82.67
#2	-1.076	-9.318	13040.	1.391	83.04

Check ?	None	None	None	None	None
Value					
Range					

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	9.822	16.11	1.435	6.445
Stddev	1.446	1.10	1.363	.254
%RSD	14.73	6.808	95.01	3.948

#1	8.799	15.34	2.399	6.265
#2	10.84	16.89	.4709	6.625

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823377 Acquired: 3/25/2010 20:33:54 Type: Unk
 Method: 6010(v36) 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	191.03	2050.8	2020.9	5280.2
Stddev	.09	1.5	3.4	16.0
%RSD	.04812	.07454	.16813	.30279

#1	191.10	2049.8	2023.3	5291.5
#2	190.97	2051.9	2018.5	5268.9

Sample Name: 823378 Acquired: 3/25/2010 20:37:49 Type: Unk
 Method: 6010(v36) 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	-2.624	15790.	.9399	70.88	60.90
Stddev	2.601	72.	.1070	3.05	4.75
%RSD	99.15	.4533	11.39	4.308	7.794

#1	-7843	15740.	.8642	73.04	64.25
#2	-4.463	15840.	1.016	68.72	57.54

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	2.163	17580.	.4363	3.004	55.95
Stddev	.022	21.	.0540	.546	.10
%RSD	1.030	.1194	12.38	18.19	.1781

#1	2.179	17590.	.3981	2.618	56.02
#2	2.147	17560.	.4745	3.391	55.88

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823378 Acquired: 3/25/2010 20:37:49 Type: Unk
 Method: 6010(v36) 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	4.224	1342.	28340.	7841.	11730.
Stddev	1.807	17.	113.	22.	49.
%RSD	42.78	1.289	.3997	.2809	.4136

#1	5.502	1330.	28260.	7857.	11770.
#2	2.946	1354.	28420.	7826.	11700.

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	-.0474	25530.	28.98	36.45	8.353
Stddev	1.197	28.	.50	1.04	2.077
%RSD	2524.	.1097	1.719	2.842	24.87

#1	-.8938	25510.	29.34	37.18	9.822
#2	.7990	25550.	28.63	35.72	6.884

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823378 Acquired: 3/25/2010 20:37:49 Type: Unk
 Method: 6010(v36) 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	-3.867	-6.984	14430.	-.7751	85.75
Stddev	3.965	1.773	32.	.3067	.03
%RSD	102.5	25.38	.2234	39.57	.0367

#1	-6.671	-8.237	14410.	-.5582	85.73
#2	-1.064	-5.730	14450.	-.9920	85.78

Check ?	None	None	None	None	None
Value					
Range					

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	38.22	5.819	2.830	9.087
Stddev	2.38	.599	.736	.114
%RSD	6.220	10.29	26.00	1.250

#1	39.90	6.242	3.350	9.007
#2	36.53	5.395	2.310	9.167

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823378 Acquired: 3/25/2010 20:37:49 Type: Unk
 Method: 6010(v36) 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	190.16	2042.6	2014.5	5227.6
Stddev	1.12	3.7	3.3	17.0
%RSD	.58753	.17954	.16417	.32533

#1	190.95	2040.0	2012.1	5215.5
#2	189.37	2045.2	2016.8	5239.6

Sample Name: 823380 Acquired: 3/25/2010 20:41:46 Type: Unk
 Method: 6010(v36) 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	-1.844	15110.	.4430	71.84	55.89
Stddev	.597	12.	1.832	.38	.77
%RSD	32.39	.0812	413.6	.5233	1.378

#1	-2.266	15120.	1.739	72.10	55.35
#2	-1.422	15100.	-.8526	71.57	56.44

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	1.876	17790.	.0609	2.456	88.14
Stddev	.052	114.	.0718	.903	.22
%RSD	2.759	.6391	117.9	36.76	.2500

#1	1.840	17870.	.0101	3.094	87.98
#2	1.913	17710.	.1116	1.817	88.29

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823380 Acquired: 3/25/2010 20:41:46 Type: Unk
 Method: 6010(v36) 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	2.214	453.4	46020.	7727.	31230.
Stddev	.333	44.3	39.	34.	54.
%RSD	15.05	9.762	.0838	.4383	.1733

#1	1.978	484.7	45990.	7751.	31200.
#2	2.449	422.1	46050.	7703.	31270.

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	-1.788	25930.	24.80	23.12	6.625
Stddev	.005	9.	.04	.72	.099
%RSD	.2666	.0346	.1466	3.124	1.490

#1	-1.791	25930.	24.83	23.63	6.555
#2	-1.785	25940.	24.78	22.61	6.695

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823380 Acquired: 3/25/2010 20:41:46 Type: Unk
 Method: 6010(v36) 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	-3.159	-7.280	13730.	3.142	86.33
Stddev	4.463	.488	25.	.203	.30
%RSD	141.3	6.705	.1845	6.473	.3477

#1	-.0033	-6.935	13710.	2.998	86.55
#2	-6.314	-7.625	13750.	3.286	86.12

Check ?	None	None	None	None	None
Value					
Range					

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	17.94	16.11	2.111	7.439
Stddev	.78	.37	1.885	.108
%RSD	4.333	2.270	89.29	1.453

#1	18.48	15.85	3.444	7.363
#2	17.39	16.37	.7783	7.515

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823380 Acquired: 3/25/2010 20:41:46 Type: Unk
 Method: 6010(v36) 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	194.09	2048.2	2028.1	5217.3
Stddev	1.44	8.5	7.8	13.0
%RSD	.74411	.41336	.38267	.25007

#1	195.12	2054.1	2022.7	5226.6
#2	193.07	2042.2	2033.6	~5208.1

Sample Name: 823381 Acquired: 3/25/2010 20:45:41 Type: Unk
 Method: 6010(v36) 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	-2848	14110.	2.487	71.19	48.63
Stddev	1.699	8.	1.800	.21	8.76
%RSD	596.4	.0559	72.38	.2959	18.01

#1	-1.486	14110.	3.760	71.34	54.83
#2	9.163	14100.	1.214	71.04	42.44

Check ? Value Range
 None None None None None

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	1.736	16260.	-.0289	2.339	51.27
Stddev	.145	23.	.0723	.443	.33
%RSD	8.342	.1410	249.8	18.96	.6451

#1	1.634	16240.	.0222	2.652	51.03
#2	1.839	16270.	-.0801	2.025	51.50

Check ? Value Range
 None None None None None

Sample Name: 823381 Acquired: 3/25/2010 20:45:41 Type: Unk
 Method: 6010(v36) 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	2.412	1437.	26690.	7202.	9839.
Stddev	.273	.	305.	28.	71.
%RSD	11.33	.0082	1.141	.3897	.7172

#1	2.219	1437.	26480.	7183.	9889.
#2	2.605	1437.	26910.	7222.	9789.

Check ? Value Range
 None None None None None

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	-.0103	24660.	17.38	45.10	6.497
Stddev	.5023	14.	.38	2.01	2.013
%RSD	4891.	.0549	2.215	4.458	30.99

#1	.3449	24650.	17.65	46.52	7.921
#2	-.3654	24670.	17.11	43.68	5.074

Check ? Value Range
 None None None None None

Sample Name: 823381 Acquired: 3/25/2010 20:45:41 Type: Unk
 Method: 6010(v36) 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	-4.590	-3.580	13520.	.6425	77.57
Stddev	.545	1.151	27.	.8421	.85
%RSD	11.88	32.15	.1961	131.1	1.092

#1	-4.975	-4.394	13500.	.0470	78.17
#2	-4.204	-2.766	13540.	1.238	76.97

Check ? Value Range
 None None None None None

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	37.14	5.645	2.726	8.739
Stddev	.07	2.130	.292	.057
%RSD	.1906	37.73	10.70	.6477

#1	37.19	7.151	2.520	8.779
#2	37.09	4.139	2.932	8.699

Check ? Value Range
 None None None None

Sample Name: 823381 Acquired: 3/25/2010 20:45:41 Type: Unk
 Method: 6010(v36) 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	190.88	2057.8	2033.3	5314.1
Stddev	3.24	13.1	2.3	33.2
%RSD	1.6957	.63588	.11501	.62446

#1	188.59	2067.0	2031.6	5290.6
#2	193.17	2048.5	2034.9	5337.6

Sample Name: 823382 Acquired: 3/25/2010 20:49:36 Type: Unk
 Method: 6010(v36) 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	-1.282	13830.	2.044	67.64	46.60
Stddev	2.018	32.	4.402	1.33	2.22
%RSD	157.4	.2311	215.4	1.966	4.770

#1	1.447	13810.	-1.069	68.58	45.03
#2	-2.709	13860.	5.156	66.70	48.18

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	1.888	16350.	.0860	1.694	80.86
Stddev	.025	42.	.5175	.564	.57
%RSD	1.321	.2543	601.6	33.29	.7098

#1	1.906	16380.	.4520	2.093	81.26
#2	1.870	16320.	-.2799	1.295	80.45

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823382 Acquired: 3/25/2010 20:49:36 Type: Unk
 Method: 6010(v36) 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	-4627	578.0	45070.	7155.	31410.
Stddev	.1074	12.9	90.	17.	171.
%RSD	23.21	2.223	.1995	.2359	.5455

#1	-3868	587.1	45010.	7143.	31530.
#2	-5387	568.9	45130.	7167.	31290.

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	-1.246	24130.	16.48	25.73	4.242
Stddev	.842	47.	1.04	3.05	2.774
%RSD	67.56	.1948	6.308	11.86	65.39

#1	-1.841	24100.	17.22	27.89	2.280
#2	-.6509	24160.	15.75	23.57	6.203

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823382 Acquired: 3/25/2010 20:49:36 Type: Unk
 Method: 6010(v36) 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	-1.531	-12.49	12840.	-1.207	77.87
Stddev	1.485	1.52	5.	.540	.53
%RSD	96.94	12.19	.0396	44.79	.6810

#1	-2.581	-11.41	12850.	-.8246	77.50
#2	-.4817	-13.56	12840.	-1.589	78.25

Check ?	None	None	None	None	None
Value					
Range					

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	18.89	16.10	3.467	7.347
Stddev	.53	.09	.743	.043
%RSD	2.799	.5486	21.44	.5872

#1	18.52	16.17	2.941	7.377
#2	19.27	16.04	3.992	7.316

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823382 Acquired: 3/25/2010 20:49:36 Type: Unk
 Method: 6010(v36) 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	192.52	2044.6	2024.6	5311.8
Stddev	2.30	6.0	7.0	11.8
%RSD	1.1946	.29407	.34437	.22253

#1	194.14	2040.2	2019.7	5320.1
#2	190.89	2048.7	2029.5	5303.4

Sample Name: 823383 Acquired: 3/25/2010 20:53:33 Type: Unk
 Method: 6010(v36) 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	-5.762	15010.	2.499	70.90	60.10
Stddev	.9083	31.	1.395	.70	.72
%RSD	157.6	.2071	55.81	.9898	1.203

#1	.0660	15030.	3.485	70.40	60.61
#2	-1.219	14990.	1.513	71.40	59.59

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	2.011	17400.	.0585	3.302	56.39
Stddev	.109	68.	.1518	.903	.12
%RSD	5.423	.3921	259.4	27.34	.2197

#1	1.934	17450.	-.0488	2.663	56.30
#2	2.088	17350.	.1659	3.940	56.47

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823383 Acquired: 3/25/2010 20:53:33 Type: Unk
 Method: 6010(v36) 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	3.424	714.7	29240.	7684.	12350.
Stddev	.825	2.2	165.	12.	60.
%RSD	24.09	.3013	.5627	.1591	.4875

#1	4.007	716.2	29120.	7693.	12390.
#2	2.840	713.1	29360.	7676.	12310.

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	.1250	25480.	26.78	29.08	2.731
Stddev	.4263	50.	1.11	.61	3.392
%RSD	340.9	.1978	4.139	2.101	124.2

#1	-.1764	25520.	25.99	29.51	.3325
#2	.4265	25450.	27.56	28.65	5.130

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823383 Acquired: 3/25/2010 20:53:33 Type: Unk
 Method: 6010(v36) 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	1.254	-5.674	13720.	-4.967	83.83
Stddev	.435	2.014	24.	1.631	.45
%RSD	34.68	35.49	.1748	328.3	.5415

#1	.9467	-7.098	13740.	-1.650	83.51
#2	1.562	-4.250	13710.	.6564	84.15

Check ?	None	None	None	None	None
Value					
Range					

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	20.38	3.445	1.185	8.633
Stddev	1.34	1.462	1.067	.174
%RSD	6.551	42.45	90.09	2.014

#1	21.33	4.479	.4301	8.511
#2	19.44	2.411	1.940	8.756

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823383 Acquired: 3/25/2010 20:53:33 Type: Unk
 Method: 6010(v36) 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	189.11	2056.0	2024.1	5329.4
Stddev	.37	6.4	2.7	17.0
%RSD	.19537	.31083	.13373	.31885

#1	189.37	2051.5	2026.1	5341.4
#2	188.85	2060.5	2022.2	5317.4

Sample Name: CCV Acquired: 3/25/2010 20:57:29 Type: QC
 Method: 6010(v36) 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	103.9	29940.	104.0	713.8	187.1
Stddev	.2	116.	.6	4.8	4.9
%RSD	.1484	.3864	.5514	.6743	2.602
#1	104.0	30020.	104.4	710.3	183.7
#2	103.8	29850.	103.6	717.2	190.5

Check ?
 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	98.24	29790.	95.94	186.8	194.2
Stddev	.21	242.	.14	.4	1.0
%RSD	.2090	.8106	.1466	.2382	.4947
#1	98.38	29960.	95.84	186.5	194.9
#2	98.09	29620.	96.04	187.1	193.5

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 20:57:29 Type: QC
 Method: 6010(v36) 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	194.7	30420.	30060.	30130.	187.0
Stddev	2.4	65.	69.	92.	.4
%RSD	1.228	.2140	.2279	.3050	.2173
#1	196.3	30460.	30110.	30190.	187.3
#2	193.0	30370.	30010.	30060.	186.8

Check ?
 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	191.3	30140.	186.1	209.3	397.4
Stddev	.2	47.	1.2	.1	3.2
%RSD	.1105	.1546	.6631	.0569	.7939
#1	191.4	30180.	187.0	209.2	399.7
#2	191.1	30110.	185.2	209.4	395.2

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 20:57:29 Type: QC
 Method: 6010(v36) 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	306.9	96.62	1010.	201.0	295.1
Stddev	1.5	.17	.6	2.3	.6
%RSD	.4819	.1738	.6429	1.132	.2014
#1	307.9	96.74	1014.	202.6	295.5
#2	305.9	96.50	1005.	199.4	294.7

Check ?
 High Limit
 Low Limit

Elem	Ti-LL	Ti-HL	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	386.1	90.47	198.4	200.2
Stddev	.5	2.67	.1	.2
%RSD	.1249	2.950	.0554	.0993
#1	385.8	88.58	198.3	200.3
#2	386.5	92.35	198.4	200.0

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 20:57:29 Type: QC
 Method: 6010(v36) 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	230.608 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	186.84	2018.9	1995.0	5219.4
Stddev	.77	.8	.3	5.4
%RSD	.41230	.04110	.01435	.10295
#1	187.39	2018.3	1995.2	5215.6
#2	186.30	2019.5	1994.8	5223.2

Sample Name: CCB Acquired: 3/25/2010 21:01:17 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-HL	As-LL	B-LL	Be-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	.0799	-16.67	-2.846	2.176	-1.903
Stddev	1.115	42.46	2.484	2.772	.845
%RSD	1395.	254.7	87.30	127.4	44.37

#1	-.7087	13.36	-4.602	4.136	-2.500
#2	.8685	-46.69	-1.089	.2156	-1.306

Check ?
 High Limit
 Low Limit

Check Pass Check Pass Check Pass Check Pass Check Pass

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	-.1154	76.37	-.4152	.7414	.4440
Stddev	.3478	29.39	.1810	.1157	.1735
%RSD	301.3	38.48	43.58	15.60	39.07

#1	.1305	97.15	-.5432	.8232	.3213
#2	-.3614	55.59	-.2873	.6596	.5666

Check ?
 High Limit
 Low Limit

Check Pass Check Pass Check Pass Check Pass Check Pass

Sample Name: CCB Acquired: 3/25/2010 21:01:17 Type: QC
 Method: 6010(v36) 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	-2.077	-1.415	145.3	-44.93	1.449
Stddev	1.589	12.84	232.2	50.54	.048
%RSD	76.51	907.0	159.8	112.5	3.293

#1	-.9533	7.661	309.5	-9.194	1.415
#2	-3.201	-10.49	-18.92	-80.67	1.482

Check ?
 High Limit
 Low Limit

Check Pass Check Pass Check Pass Check Pass Check Pass

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	.0519	102.9	-.8411	1.281	1.605
Stddev	.4088	7.1	.1134	2.377	2.513
%RSD	788.0	6.859	13.49	185.6	156.5

#1	.3410	107.9	-.7609	-.4001	-.1712
#2	-.2372	97.95	-.9213	2.961	3.382

Check ?
 High Limit
 Low Limit

Check Pass Check Pass Check Pass Check Pass Check Pass

Sample Name: CCB Acquired: 3/25/2010 21:01:17 Type: QC
 Method: 6010(v36) 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	-.2011	-3.782	-.4286	.3941	.0878
Stddev	3.885	.038	1.199	.1389	.0033
%RSD	1932.	1.015	281.0	35.25	3.722

#1	2.546	-3.755	-1.274	.2959	.0901
#2	-2.948	-3.809	.4209	.4923	.0855

Check ?
 High Limit
 Low Limit

Check Pass Check Pass Check Pass Check Pass Check Pass

Elem	Ti-LL	Ti-LL	V-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.858 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	-.9642	-8.226	2.162	7.480
Stddev	1.415	1.890	.178	.002
%RSD	146.8	22.98	8.224	.0323

#1	.0365	-6.889	2.287	7.481
#2	-1.965	-9.562	2.036	7.478

Check ?
 High Limit
 Low Limit

Check Pass Check Pass Check Pass Check Pass

Sample Name: CCB Acquired: 3/25/2010 21:01:17 Type: QC
 Method: 6010(v36) 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	191.94	2029.0	2019.4	5304.7
Stddev	4.13	5.0	1.5	25.3
%RSD	2.1533	.24484	.07560	.47654

#1	189.02	2025.5	2018.3	5322.6
#2	194.86	2032.6	2020.5	5286.9

Sample Name: 823377X10 Acquired: 3/25/2010 21:05:07 Type: Unk
 Method: 6010(v36) 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	.5333	1441.	-1.010	8.442	.7720
Stddev	.5938	7.	2.108	.325	2.819
%RSD	111.3	.4582	208.7	3.854	365.2

#1	.9531	1436.	.4802	8.672	-1.221
#2	.1134	1446.	-2.500	8.212	2.766

Check ? Value Range
 None None None None None

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	.2241	1654.	-.3242	.0247	8.532
Stddev	.0787	13.	.3709	.2506	.233
%RSD	35.13	.8121	114.4	1014.	2.726

#1	.2798	1644.	-.0619	-.1525	8.367
#2	.1684	1663.	-.5865	.2019	8.696

Check ? Value Range
 None None None None None

Sample Name: 823377X10 Acquired: 3/25/2010 21:05:07 Type: Unk
 Method: 6010(v36) 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	-4.070	5.242	4433.	733.7	3264.
Stddev	1.210	1.272	28.	10.1	9.
%RSD	29.73	24.26	.6314	1.372	.2627

#1	-4.925	4.343	4413.	726.5	3270.
#2	-3.214	6.141	4452.	740.8	3258.

Check ? Value Range
 None None None None None

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	-.1354	2667.	1.258	.9710	3.226
Stddev	.5955	37.	1.016	1.746	1.132
%RSD	439.6	1.372	80.76	179.8	35.09

#1	.2856	2893.	1.976	-.2635	4.026
#2	-.5565	2641.	.5395	2.205	2.425

Check ? Value Range
 None None None None None

Sample Name: 823377X10 Acquired: 3/25/2010 21:05:07 Type: Unk
 Method: 6010(v36) 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	-.1009	-1.763	1277.	-8.005	8.273
Stddev	5.851	3.620	10.	.6553	.067
%RSD	5798.	205.3	.7663	81.86	.8060

#1	4.036	-4.323	1284.	-1.264	8.320
#2	-4.238	.7961	1270.	-.3371	8.226

Check ? Value Range
 None None None None None

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	-.7746	-2.635	.0853	1.020
Stddev	.3026	2.885	.1515	.144
%RSD	39.06	109.5	177.6	14.17

#1	-.5606	-.5947	.1924	1.122
#2	-.9886	-4.675	-.0218	.9181

Check ? Value Range
 None None None None

Sample Name: 823377X10 Acquired: 3/25/2010 21:05:07 Type: Unk
 Method: 6010(v36) 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	188.87	2038.4	2025.7	5309.2
Stddev	.37	11.1	8.0	22.4
%RSD	.19562	.54543	.39315	.42286

#1	188.61	2030.6	2020.1	5293.3
#2	189.13	2046.3	2031.4	5325.1

Sample Name: 823378X10 Acquired: 3/25/2010 21:08:57 Type: Unk
 Method: 6010(v36) 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	-1.008	1545.	-1.847	7.445	6.147
Stddev	.744	36.	5.111	2.118	.954
%RSD	73.79	2.298	276.7	28.45	15.52

#1	-4820	1570.	1.767	8.943	6.822
#2	-1.534	1520.	-5.461	5.948	5.473

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	.2745	1743.	.2609	.0038	6.255
Stddev	.1480	89.	.2023	.5642	.180
%RSD	53.93	5.083	77.52	14700.	2.883

#1	.1698	1805.	.1179	-.3951	6.383
#2	.3791	1680.	.4039	.4028	6.128

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823378X10 Acquired: 3/25/2010 21:08:57 Type: Unk
 Method: 6010(v36) 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	-4.004	126.5	2764.	772.5	1216.
Stddev	2.024	3.6	95.	1.9	4.
%RSD	50.56	2.820	3.436	.2523	.3379

#1	-2.572	124.0	2697.	773.8	1219.
#2	-5.435	129.0	2831.	771.1	1213.

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	-.4459	2688.	.7038	3.227	1.430
Stddev	.5473	37.	.4688	1.190	.077
%RSD	122.7	1.368	66.61	36.86	5.406

#1	-.0589	2714.	1.035	2.386	1.375
#2	-.8329	2662.	.3723	4.068	1.484

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823378X10 Acquired: 3/25/2010 21:08:57 Type: Unk
 Method: 6010(v36) 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	.0210	-3.671	1425.	.2693	8.617
Stddev	2.521	1.490	5.	.3246	.005
%RSD	11980.	40.60	.3600	120.5	.0551

#1	1.803	-2.617	1429.	.4988	8.613
#2	-1.761	-4.725	1422.	.0398	8.620

Check ?	None	None	None	None	None
Value					
Range					

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	1.342	-5.167	1.553	1.247
Stddev	.466	2.039	.320	.162
%RSD	34.71	39.46	20.58	12.95

#1	1.013	-6.609	1.327	1.361
#2	1.672	-3.725	1.779	1.133

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823378X10 Acquired: 3/25/2010 21:08:57 Type: Unk
 Method: 6010(v36) 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	190.87	2041.1	2026.3	5307.6
Stddev	1.51	18.3	5.9	21.2
%RSD	.78908	.89703	.29310	.39994

#1	191.94	2028.2	2022.1	5292.6
#2	189.81	2054.1	2030.5	5322.6

Sample Name: 823380X10 Acquired: 3/25/2010 21:12:48 Type: Unk
 Method: 6010(v36) 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	-1.698	1540.	-3.983	8.242	3.068
Stddev	2.651	17.	1.645	.950	6.066
%RSD	156.1	1.108	41.31	11.53	197.7

#1	-3.572	1552.	-5.147	8.914	-1.221
#2	-1.760	1528.	-2.819	7.570	7.358

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	.1527	1827.	-.3183	-.2792	9.558
Stddev	.0143	5.	.3549	.2891	.106
%RSD	9.377	.2704	111.5	103.5	1.106

#1	.1425	1830.	-.0674	-.0748	9.483
#2	.1628	1823.	-.5693	-.4836	9.632

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823380X10 Acquired: 3/25/2010 21:12:48 Type: Unk
 Method: 6010(v36) 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	-1.984	28.47	4674.	804.8	3312.
Stddev	4.207	20.58	53.	19.7	15.
%RSD	212.1	72.30	1.132	2.453	.4554

#1	-4.959	43.02	4637.	790.8	3301.
#2	.9911	13.91	4711.	818.7	3323.

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	-.6406	2733.	1.718	1.128	5.825
Stddev	.7441	6.	1.560	1.558	.641
%RSD	116.2	.2236	90.80	138.1	11.00

#1	-.1145	2737.	2.821	.0265	6.278
#2	-1.167	2728.	.6151	2.230	5.372

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823380X10 Acquired: 3/25/2010 21:12:48 Type: Unk
 Method: 6010(v36) 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	.0284	-3.018	1358.	1.280	8.690
Stddev	.1237	.463	9.	.402	.118
%RSD	435.2	15.34	.6571	31.39	1.360

#1	-.0590	-2.691	1352.	.9962	8.774
#2	.1158	-3.345	1364.	1.565	8.807

Check ?	None	None	None	None	None
Value					
Range					

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	-2.969	-2.656	-.4931	1.104
Stddev	.7657	8.409	1.198	.019
%RSD	257.9	316.6	242.9	1.688

#1	-.8384	3.290	.3537	1.117
#2	.2445	-8.602	-1.340	1.091

Check ?	None	None	None	None
Value				
Range				

Sample Name: 823380X10 Acquired: 3/25/2010 21:12:48 Type: Unk
 Method: 6010(v36) 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	189.09	2025.7	2025.8	5269.3
Stddev	.62	26.8	1.7	32.3
%RSD	.32628	1.3207	.08538	.61286

#1	189.52	2044.6	2027.1	5246.5
#2	188.65	2006.8	2024.6	5292.2

Sample Name: 823381X10 Acquired: 3/25/2010 21:16:39 Type: Unk
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-6287	1435.	-5629	8.769	3.481
Stddev	1.685	22.	.6274	.953	3.129
%RSD	267.9	1.538	111.5	10.87	89.88
#1	-1.820	1451.	-1.193	9.443	5.694
#2	.5624	1420.	-1.007	8.095	1.269
Check ?	None	None	None	None	None
Value					
Range					
Elem	Be-LL	Ca-LL	Cd-LL	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	.1217	1629.	-.1431	-.0573	5.771
Stddev	.2719	3.	.4677	.3835	.450
%RSD	223.3	.1812	326.8	668.8	7.800
#1	.3140	1627.	-.4738	-.3285	5.452
#2	-.0705	1632.	.1876	.2138	6.089
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823381X10 Acquired: 3/25/2010 21:16:39 Type: Unk
 Method: 6010(v36) 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	-4.061	157.6	2628.	733.3	1026.
Stddev	.022	3.0	185.	8.5	2.
%RSD	.5330	1.878	7.039	1.162	.1721
#1	-4.046	159.7	2498.	727.2	1027.
#2	-4.077	155.5	2759.	739.3	1024.
Check ?	None	None	None	None	None
Value					
Range					
Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	-.6356	2638.	1.028	3.999	1.325
Stddev	.3115	22.	.611	.104	5.952
%RSD	49.01	.8505	59.44	2.594	449.2
#1	-.4153	2654.	1.460	3.925	-2.884
#2	-.8559	2622.	.5960	4.072	5.534
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 823381X10 Acquired: 3/25/2010 21:16:39 Type: Unk
 Method: 6010(v36) 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	-2.292	-.3898	1348.	.3568	7.871
Stddev	1.599	3.889	3.	2.188	.060
%RSD	69.78	997.8	.2064	613.3	.7691
#1	-1.161	-3.140	1346.	1.904	7.829
#2	-3.423	2.360	1350.	-1.190	7.914
Check ?	None	None	None	None	None
Value					
Range					
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	2.258	-6.114	1.120	1.123	
Stddev	1.569	2.345	1.713	.085	
%RSD	69.48	38.35	153.1	7.576	
#1	1.149	-4.456	-.0921	1.183	
#2	3.368	-7.773	2.331	1.063	
Check ?	None	None	None	None	
Value					
Range					

Sample Name: 823381X10 Acquired: 3/25/2010 21:16:39 Type: Unk
 Method: 6010(v36) 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	230.806 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	192.02	2014.9	2031.6	5288.6
Stddev	1.10	9.0	.4	6.0
%RSD	.57264	.44533	.01873	.11285
#1	192.79	2008.6	2031.8	5292.8
#2	191.24	2021.3	2031.3	5284.4

Sample Name: 823382X10 Acquired: 3/25/2010 21:20:30 Type: Unk
 Method: 6010(v36) 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	-9128	1382	-1.039	6.113	1.288
Stddev	.1927	19.	5.097	.966	5.661
%RSD	21.11	1.345	490.4	15.80	439.6

#1	-1.049	1395.	-4.644	6.796	5.291
#2	-.7766	1369.	2.565	5.430	-2.715

Check ? Value Range
 None None None None None

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	.1369	1570.	-.0973	.4955	8.627
Stddev	.0217	9.	.1212	.0589	.085
%RSD	15.86	.5753	124.6	11.89	.9840

#1	.1522	1576.	-.0115	.5372	8.567
#2	.1215	1563.	-.1830	.4539	8.687

Check ? Value Range
 None None None None None

Sample Name: 823382X10 Acquired: 3/25/2010 21:20:30 Type: Unk
 Method: 6010(v36) 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	-2.463	49.40	4443.	720.0	3314.
Stddev	2.108	21.11	139.	18.9	6.
%RSD	85.58	42.73	3.131	2.624	.1768

#1	-3.953	64.33	4542.	733.3	3318.
#2	-.9724	34.47	4345.	706.6	3310.

Check ? Value Range
 None None None None None

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	-.2640	2556.	.0108	1.169	4.112
Stddev	.1208	2.	.5758	.799	.433
%RSD	45.77	.0683	5354.	68.35	10.53

#1	-.3495	2557.	-.3964	.6042	4.418
#2	-.1786	2554.	.4179	1.734	3.806

Check ? Value Range
 None None None None None

Sample Name: 823382X10 Acquired: 3/25/2010 21:20:30 Type: Unk
 Method: 6010(v36) 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	-3.744	-2.890	1266.	.8296	7.916
Stddev	.202	.595	10.	1.453	.027
%RSD	5.396	20.61	.8286	175.2	.3392

#1	-3.601	-2.469	1259.	1.857	7.935
#2	-3.887	-3.311	1274.	-.1979	7.897

Check ? Value Range
 None None None None None

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	-.0539	-4.514	.7772	.8290
Stddev	.3039	2.275	1.308	.0016
%RSD	564.1	50.39	168.3	.1953

#1	-.2688	-6.122	-.1480	.8279
#2	.1610	-2.905	1.702	.8302

Check ? Value Range
 None None None None

Sample Name: 823382X10 Acquired: 3/25/2010 21:20:30 Type: Unk
 Method: 6010(v36) 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	190.45	2027.6	2023.2	5330.8
Stddev	2.69	13.5	1.2	15.0
%RSD	1.4146	.66622	.06106	.28222

#1	192.35	2037.1	2022.3	5320.1
#2	188.54	2018.0	2024.1	5341.4

Sample Name: 823383X10 Acquired: 3/25/2010 21:24:21 Type: Unk
 Method: 6010(v36) 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	1.295	1533.	-4.673	7.893	1.346
Stddev	.561	40.	1.813	.006	8.448
%RSD	43.32	2.629	38.80	.0720	627.9

#1	1.691	1562.	-5.955	7.897	-4.628
#2	.8980	1505.	-3.391	7.889	7.319

Check ? Value Range
 None None None None None

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	.0548	1704.	.1959	.8267	5.966
Stddev	.3667	76.	.6126	.4283	.202
%RSD	669.5	4.467	312.8	51.81	3.392

#1	-.2045	1757.	-.2373	1.130	6.109
#2	.3140	1650.	.6291	.5238	5.823

Check ? Value Range
 None None None None None

Sample Name: 823383X10 Acquired: 3/25/2010 21:24:21 Type: Unk
 Method: 6010(v36) 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	-2.686	75.65	2799.	761.6	1296.
Stddev	1.404	7.24	60.	1.0	3.
%RSD	52.24	9.574	2.158	.1336	.2081

#1	-3.679	70.53	2842.	762.4	1298.
#2	-1.694	80.77	2756.	760.9	1294.

Check ? Value Range
 None None None None None

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	-.5625	2651.	1.317	2.354	4.578
Stddev	.0740	26.	1.189	.958	2.894
%RSD	13.15	.9742	90.29	40.68	63.20

#1	-.6149	2633.	.4761	1.677	2.532
#2	-.5102	2670.	2.158	3.031	6.625

Check ? Value Range
 None None None None None

Sample Name: 823383X10 Acquired: 3/25/2010 21:24:21 Type: Unk
 Method: 6010(v36) 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	-3.238	-6.590	1367.	.3508	8.443
Stddev	2.018	2.185	8.	1.710	.063
%RSD	62.31	33.16	.5918	487.5	.7501

#1	-1.811	-8.135	1372.	-.8585	8.488
#2	-4.665	-5.045	1361.	1.580	8.398

Check ? Value Range
 None None None None None

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	1.370	-3.863	.5574	1.501
Stddev	1.145	4.740	1.453	.168
%RSD	83.54	122.7	260.7	11.15

#1	2.180	-.5110	1.585	1.620
#2	.5608	-7.215	-.4701	1.383

Check ? Value Range
 None None None None

Sample Name: 823383X10 Acquired: 3/25/2010 21:24:21 Type: Unk
 Method: 6010(v36) 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	189.03	2017.8	2017.6	5314.2
Stddev	2.60	1.9	9.5	33.3
%RSD	1.3779	.09242	.47125	.62644

#1	187.19	2019.1	2010.8	5290.7
#2	190.87	2016.4	2024.3	5337.8

Sample Name: CRI Acquired: 3/25/2010 21:28:13 Type: QC
 Method: 6010(v36) 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	8.803	150.8	10.38	F 1.208	197.2
Stddev	2.389	.3	.06	.320	1.8
%RSD	27.14	.1676	.6156	26.47	.9286

#1	10.49	151.0	10.34	1.434	195.9
#2	7.114	150.6	10.43	9818	198.5

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	5.177	5443.	4.469	47.92	10.47
Stddev	.023	63.	.053	.32	.12
%RSD	.4406	1.164	1.183	.6764	1.193

#1	5.160	5488.	4.432	48.15	10.55
#2	5.193	5398.	4.507	47.69	10.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 3/25/2010 21:28:13 Type: QC
 Method: 6010(v36) 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	21.30	F 98.90	5532.	5464.	14.79
Stddev	2.22	3.14	89.	40.	.21
%RSD	10.42	3.177	1.600	.7399	1.395

#1	22.87	101.1	5469.	5493.	14.64
#2	19.73	96.68	5594.	5436.	14.93

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 -2368	5529.	38.21	F .5728	12.25
Stddev	.9034	31.	.81	2.747	.61
%RSD	381.4	.5689	2.109	479.6	4.941

#1	-.8756	5551.	38.78	-1.369	11.82
#2	.4020	5507.	37.64	2.515	12.68

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: 3/25/2010 21:28:13 Type: QC
 Method: 6010(v36) 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	61.71	32.58	F 7.029	F -.4385	F .0155
Stddev	.97	.20	1.319	.3038	.0512
%RSD	1.576	.6279	18.77	69.28	329.8

#1	61.02	32.44	7.962	-.6533	-.0207
#2	62.40	32.73	6.096	-.2237	.0517

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	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	F -1.385	F 16.45	52.50	63.02
Stddev	2.560	.35	.66	.15
%RSD	184.8	2.112	1.254	.2436

#1	.4251	16.21	52.04	63.13
#2	-3.195	16.70	52.97	62.91

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	30.00	32.50		
Low Limit	10.00	18.50		

Sample Name: CRI Acquired: 3/25/2010 21:28:13 Type: QC
 Method: 6010(v36) 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	190.27	2022.0	2023.6	5286.8
Stddev	1.94	7.1	4.4	5.0
%RSD	1.0187	.35195	.21704	.09415

#1	191.64	2016.9	2020.5	5283.2
#2	188.90	2027.0	2026.7	5290.3

Sample Name: ICSA Acquired: 3/25/2010 21:32:03 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	B -LL	Be-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	-5560	257500	-2.720	1.209	3.899
Stddev	.7481	116	2.402	1.059	5.346
%RSD	134.6	.0450	88.30	87.59	137.1
#1	-0.0270	257600	-4.419	1.958	.1183
#2	-1.085	257400	-1.022	.4602	7.679

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-1.649	256700	1.544	-1.047	-1.923
Stddev	.0938	724	.338	.0503	.4527
%RSD	56.89	.2822	21.87	48.03	235.5
#1	-.0985	257200	1.306	-.1402	-.5124
#2	-.2312	256200	1.783	-.0691	.1279

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 21:32:03 Type: QC
 Method: 6010(v36) 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	-4.899	105800	-62.01	252200	-2.153
Stddev	1.145	93	79.44	53	.188
%RSD	233.8	.0879	128.1	.0209	8.711
#1	-.3199	105800	-118.2	252200	-2.286
#2	-1.300	105900	-5.837	252200	-2.020

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-6.095	52.45	-7.258	-.5211	-.5534
Stddev	.5145	58.33	.727	.9552	4.056
%RSD	84.42	111.2	10.02	183.3	732.8
#1	-.9733	93.69	-7.772	-1.197	2.314
#2	-.2457	11.20	-6.744	.1543	-3.421

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 21:32:03 Type: QC
 Method: 6010(v36) 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	-7.185	-4.784	14.70	-6.987	2.478
Stddev	3.280	1.558	.29	.6135	.041
%RSD	456.5	32.56	1.964	87.81	1.664
#1	1.601	-3.683	14.91	-1.132	2.449
#2	-3.038	-5.886	14.50	-.2648	2.507

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	2.794	-5.613	-2.965	-5.759
Stddev	.174	.250	.096	.118
%RSD	6.222	4.453	3.222	2.058
#1	2.672	-5.437	-2.898	-5.843
#2	2.917	-5.790	-3.033	-5.675

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 3/25/2010 21:32:03 Type: QC
 Method: 6010(v36) 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	180.68	1911.2	1929.2	5133.4
Stddev	2.14	5.0	21.7	16.3
%RSD	1.1829	.26057	1.1234	.31731
#1	179.17	1914.7	1913.9	5145.0
#2	182.19	1907.7	1944.5	5121.9

Sample Name: ICSAB Acquired: 3/25/2010 21:35:51 Type: QC
 Method: 6010(v36) 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	219.9	255700.	F 106.2	F -1360	460.8
Stddev	1.1	93.	.4	.4989	8.0
%RSD	.4926	.0365	.3570	366.7	1.729

#1	220.7	255600.	106.5	-4888	455.2
#2	219.1	255700.	106.0	.2167	466.4

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	506.5	254900.	988.8	471.1	492.5
Stddev	1.2	382.	2.6	1.3	1.0
%RSD	.2446	.1498	.2664	.2670	.2053

#1	505.6	254600.	986.9	472.0	491.7
#2	507.4	255100.	990.7	470.2	493.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 3/25/2010 21:35:51 Type: QC
 Method: 6010(v36) 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	530.9	F 105300.	-164.4	249900.	478.3
Stddev	4.7	156.	17.3	763.	2.1
%RSD	.8791	.1476	10.54	.3052	.4357

#1	534.2	105500.	-152.2	249400.	479.8
#2	527.6	105200.	-176.7	250400.	476.8

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 -1.665	38.45	942.2	F 1.570	47.90
Stddev	.230	74.24	2.1	1.684	1.32
%RSD	13.81	193.1	.2255	107.3	2.756

#1	-1.827	-14.05	940.7	.3790	48.84
#2	-1.502	90.95	943.7	2.761	46.97

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: 3/25/2010 21:35:51 Type: QC
 Method: 6010(v36) 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	626.5	43.87	9.543	-0.445	2.452
Stddev	.1	3.31	3.999	2.253	.007
%RSD	.0119	7.535	41.91	5067.	.2765

#1	626.6	46.21	12.37	1.549	2.457
#2	626.5	41.53	6.715	-1.638	2.447

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	F 3.191	90.60	512.0	1020.
Stddev	.639	1.44	1.8	3.
%RSD	20.04	1.585	.3497	.3427

#1	2.738	91.62	513.3	1017.
#2	3.643	89.59	510.8	1022.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	600.0			
Low Limit	400.0			

Sample Name: ICSAB Acquired: 3/25/2010 21:35:51 Type: QC
 Method: 6010(v36) 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	183.39	1912.7	1932.7	5167.2
Stddev	.78	6.2	15.0	.4
%RSD	.42314	.32427	.77607	.00759

#1	182.84	1908.3	1943.3	5167.5
#2	183.93	1917.1	1922.1	5166.9

Sample Name: CCV Acquired: 3/25/2010 21:39:39 Type: QC
 Method: 6010(v36) 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	107.5	30260.	101.1	704.4	188.3
Stddev	.6	21.	5.6	4.2	.4
%RSD	.5844	.0679	5.500	.5927	.2233

#1	107.9	30280.	97.15	701.4	188.0
#2	107.1	30250.	105.0	707.3	188.6

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	99.60	30090.	95.32	186.6	196.4
Stddev	.59	47.	.06	1.0	1.1
%RSD	.5925	.1578	.0597	.5561	.5559

#1	100.0	30130.	95.36	185.9	195.6
#2	99.18	30060.	95.28	187.4	197.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 21:39:39 Type: QC
 Method: 6010(v36) 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	192.5	31220.	29940.	30460.	189.2
Stddev	.6	121.	28.	75.	.8
%RSD	.3035	.3866	.0949	.2472	.4157

#1	192.9	31140.	29920.	30510.	188.6
#2	192.1	31310.	29960.	30410.	189.7

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	188.5	30540.	186.8	210.1	396.7
Stddev	1.5	9.	1.2	1.1	8.7
%RSD	.8219	.0302	.6193	.5344	2.196

#1	187.4	30550.	185.9	210.9	390.5
#2	189.6	30540.	187.6	209.3	402.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 21:39:39 Type: QC
 Method: 6010(v36) 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	302.0	94.54	1027.	203.9	299.7
Stddev	.9	3.38	4.	1.9	2
%RSD	.2922	3.573	.3586	.9097	.0779

#1	302.6	96.93	1024.	205.2	299.8
#2	301.3	92.16	1029.	202.6	299.5

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 (116)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb	ppb	ppb
Avg	386.4	93.61	203.4	201.2
Stddev	1.5	2.58	4.7	.3
%RSD	.3765	2.752	2.315	.1596

#1	385.4	95.43	200.0	201.4
#2	387.4	91.79	206.7	200.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 3/25/2010 21:39:39 Type: QC
 Method: 6010(v36) 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	186.34	1976.0	1990.4	5218.5
Stddev	1.97	6.1	2	18.9
%RSD	1.0563	.30860	.00963	.36200

#1	187.73	1980.3	1990.3	5205.2
#2	184.95	1971.7	1990.6	5231.9

Sample Name: CCB Acquired: 3/25/2010 21:43:28 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	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	-9710	-63.41	-3.116	2.154	-3.206
Stddev	.0096	43.71	2.847	.711	7.141
%RSD	.9864	68.92	91.35	33.00	222.7

#1	-9777	-32.51	-1.103	2.657	-8.256
#2	-9642	-94.32	-5.129	1.652	1.843

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Be-LL	Ca-LL	Cd-LL	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	.1323	-105.7	-.2959	-.6459	-.1058
Stddev	.1076	59.7	.2562	.7211	.3122
%RSD	81.33	56.49	86.59	111.6	295.0

#1	.0562	-63.48	-.1147	-1.156	-.1150
#2	.2084	-147.9	-.4771	-1.360	-.3266

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/25/2010 21:43:28 Type: QC
 Method: 6010(v36) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu-LL	Fe-LL	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	-2.015	3.809	49.66	-37.87	-.1375
Stddev	1.457	12.20	109.6	24.50	.0345
%RSD	72.30	320.3	220.6	64.71	25.12

#1	-3.045	-4.817	-27.81	-55.19	-.1131
#2	-.9849	12.44	127.1	-20.54	-.1620

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Mo-LL	Na-LL	Ni-LL	P-LL	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	.3263	13.10	-1.567	-2.607	-.3226
Stddev	.4665	31.56	1.264	.570	2.881
%RSD	143.0	240.8	80.68	21.87	892.9

#1	.6561	35.42	-.6729	-2.204	-2.360
#2	-.0036	-9.211	-2.460	-3.011	1.714

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/25/2010 21:43:28 Type: QC
 Method: 6010(v36) 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	-4.568	-3.724	-4.032	-.9358	.0684
Stddev	2.537	.405	2.410	2.467	.0111
%RSD	555.5	10.87	59.77	263.6	16.29

#1	1.337	-3.438	-2.328	.8083	.0763
#2	-2.251	-4.011	-5.736	-2.680	.0605

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

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	-2.463	-8.439	1.085	.1301
Stddev	2.701	5.920	1.224	.0722
%RSD	109.7	70.15	112.8	55.52

#1	-.5531	-12.62	.2195	.0790
#2	-4.372	-4.253	1.951	.1812

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 3/25/2010 21:43:28 Type: QC
 Method: 6010(v36) 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	189.33	1990.6	2003.6	5240.5
Stddev	.27	4.3	8.0	4.9
%RSD	.14005	.21476	.39746	.09378

#1	189.52	1987.6	2009.2	5237.1
#2	189.14	1993.6	1997.9	5244.0



Sample Preparation – Metals

SAMPLE PREPARATION LOG MERCURY

136458

Identify Method: ILM04.1 ILM05.4 6009 EPA 245.1 SW-846 7470A SW-846 7471A
Identify Matrix: Soil Water Air Other

Date: 3/24/10
Analyst: ALS

SAMPLE PREPARATION:

Block ID: 7-8
Initial Temperature: 95°
Start Time: 9:40
Stop Time: 12:00
Final Temperature: 95°
MS Spike Analyst: ALS
MS Spike Witness: N/A
mL added: .5

CAL / CCV / MS (100 ug/L)
Lot Number: MEHLCCV-00066

LCS
Tag ID: MEHLCCV-00066
Concentration Range: N/A mg/kg

ICV (30 ug/L)
Lot Number: MEHLICV-00005

Nitric Acid
Lot Number: H10040

Sulfuric Acid
Lot Number: ME Sulfuric 00002

Aqua Regia (SW-846 7471A Only)
Lot Number: N/A

Potassium Permanganate
Lot Number: ME 5% Permanganate 00004

Potassium Persulfate
Lot Number: ME 5% K Per- 00001

Hydroxylamine Hydrochloride
Lot Number: ME Hydroxyl HCl 00003

Stannous Chloride
Lot Number: ME 10% SnCl2 00004

¹CRI is associated with ILM05.4
CRA is associated with ILM04.1

Batch MS/SD was not performed
due to insufficient sample volume

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 mL
4	CCV:1	CCV (5 ug/L)	2.5 mL	50 mL
5	CCB:1			
6		PBW032410A	.50	50
7		LCSW032410A		
8		823376		
9		823377		
10		823378		
11		823380		
12		823381		
13		823382		
14		823383		
15	CCV:2			
16	CCB:2			
17				
18				
19				
20				
21				
22				
23				
24				
25				
26	CCV:3			
27	CCB:3			
28				
29				
30				
31				
32				
33				
34				
35				
36				
37	CCV:4			
38	CCB:4			
39				
40				
41				
42				
43				
44				

STANDARD TRACEABILITY RECORDS		
ICP-OES Instrument		
Date: 03/25/10		
Sequence ID	Analyst	Analytical Method
032510-01	BAA	☐ 6010 / 200.7 ☒ ILM05.4
032510-02	BAA	☒ 6010 / 200.7 ☐ ILM05.4
032510-03	JSW *	☒ 6010 / 200.7 ☒ ILM05.4
032510-04	JSW	☐ 6010 / 200.7 ☐ ILM05.4
		☐ 6010 / 200.7 ☐ ILM05.4
		☐ 6010 / 200.7 ☐ ILM05.4
Standard Name	Lot Number	
Used for all methods		
STD 7:	ME Std 7w 00009	
STD 8:	ME Std 8w 00007	
STD 4:	ME Std 4w 00011	
ICV:	ICPOESICVw 00003	
CCV:	MECCVw 00010	
STD0/ICB/CCB/5%2% Rinse & Dilution:	ME 5%2% Rinse w 00010	
Internal Standard Solution:	ME ICP 7 ISw 00005	
Used for methods 6010 & 200.7		
ICSA 6010:	ME 6010 ICSAw 00002	
ICSAB 6010:	ME ICP OES ICSAB 00003	
CRI 6010:	ME 6010 CRIw 00004	
DOD LRV Solution:	ME ICP OES LRV 00001	
6010 Post Spiking Solution:		
5 PPM AG:		
Used for method ILM05.4		
CRI ILM05.4:	ME 5.4 AES CRIw 00004	
ICSA ILM05.4:	ME 5.4 ICSAw 00003	
ICSAB ILM05.4:	ME 5.4 AESABw 00003	
Comments: * SLD 3-26-10		

136458

Batch Information:				Method Information:				IW Reagent & Standard Traceability:				
Date: 3/24/10	Start Time: 8:50	Stop Time: 14:45	Analyst: AUS	Digestion Method(s):	ILM04.1	ILM05.4	HCl Tag ID:	HCl Tag ID:	LCS Lot #	MS Lot #	Comments	
				3005AES	3005MS	3010AES	3010MS	HNO ₃ Tag ID:	mL Spike Added			
				3050AES	3050MS	200.7	200.8_DW	1:1 HCl Lot #	mL True Value			
				TTMS	CEC	SAR		1:1 HNO ₃ Lot #	mL MS Lot #:			
Spike Analyst: AUS				Matrix: (Water)				30% H ₂ O ₂ Lot #				
Spike Witness: N/A				Soil				2% HNO ₃ Lot #				
Lab ID	'Bottle ID	Digestion ¹ Amount	Final Volume	Color	Clarity	Texture	Artifacts	Color	Clarity	Comments		
PBW032410B	N/A	100	100									
LCSW032410B	↓											
823376	A4			Colorless	clear			Orange	clear			
823377	↓											
823378	↓											
823380	↓											
823381	↓											
823382	↓											
823383	↓											
Batch MS/SD was not performed due to insufficient sample volume												
AUS 5/24/10												

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature:	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7	Block 8
	- °C	45 °C	- °C	- °C	- °C	- °C	- °C	- °C

BR-FME002:04.02.08:7

TestAmerica

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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.: 136458

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKJT	91	92	73	92	96	94	92
02	D5 CONTROLDL	86	86	70	92	92	96	89
03	D5 1.5HIGH	88	91	74	105	100	104	90
04	D5 1.5MEDIUM	89	93	73	103	97	101	92
05	D51.5MEDIUMD	89	93	74	105	100	105	91
06	D5 1.75HIGH	91	93	73	105	99	106	94
07	D51.75MEDIUM	90	94	75	104	99	107	92
08	D5 2 HIGH	90	89	74	103	100	106	91
09	D5 2 MEDIUM	87	88	73	101	95	100	88
10	TRIP BLANK	83	86	68	96	95	100	89
11	D5 1.5HIGHDL	87	91	72	103	97	105	91
12	D5 CONTROL	84	89	73	102	97	102	89
13	VBLKJU	90	92	73	101	97	102	89
14	VHBLK01	93	89	74	103	95	112	90
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		<u>QC LIMITS</u>
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

Page 1 of 2

SOM01.2

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.: 136458

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (TCA) #	VDMC13 (DCZ) #	VDMC14 () #	TOT OUT
01	VBLKJT	91	92	90	88	89	94		0
02	D5 CONTROLDL	92	90	92	88	88	96		0
03	D5 1.5HIGH	95	92	97	101	96	97		0
04	D5 1.5MEDIUM	93	91	96	101	99	98		0
05	D51.5MEDIUMD	91	92	98	103	99	97		0
06	D5 1.75HIGH	95	95	100	104	100	97		0
07	D51.75MEDIUM	94	93	96	99	97	97		0
08	D5 2 HIGH	94	93	97	101	99	93		0
09	D5 2 MEDIUM	89	88	93	95	96	92		0
10	TRIP BLANK	90	86	94	94	91	92		0
11	D5 1.5HIGHDL	92	90	94	97	96	94		0
12	D5 CONTROL	94	91	94	96	95	93		0
13	VBLKJU	90	87	95	93	91	94		0
14	VHBLK01	95	88	103	96	98	92		0
15									
16									
17									
18									
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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

Page 2 of 2

SOM01.2

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBKJKT

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Lab File ID: JANB02A

Lab Sample ID: VBKJKT

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water

Date Analyzed: 03/26/2010

Level: (TRACE or LOW/MED) TRACE

Time Analyzed: 1009

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	D5 CONTROLDL	823376D1	823376D	1310
02	D5 1.5HIGH	823377	823377	1338
03	D5 1.5MEDIUM	823378	823378	1406
04	D51.5MEDIUMD	823379	823379	1434
05	D5 1.75HIGH	823380	823380	1502
06	D51.75MEDIUM	823381	823381	1531
07	D5 2 HIGH	823382	823382	1559
08	D5 2 MEDIUM	823383	823383	1627
09	TRIP BLANK	823384	823384	1655
10	D5 1.5HIGHDL	823377D1	823377D	1724
11	D5 CONTROL	823376	823376D2	1752
12				
13				
14				
15				
16				
17				
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COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBKJ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Lab File ID: JANB02B

Lab Sample ID: VBKJ

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water

Date Analyzed: 03/26/2010

Level: (TRACE or LOW/MED) TRACE

Time Analyzed: 2029

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	823385	823385	2116
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
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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.

BFBJS

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Lab File ID: JAN05PV

BFB Injection Date: 03/25/2010

Instrument ID: J.i

BFB Injection Time: 1747

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.1
75	30.0 - 80.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.6 (1.0)1
174	50.0 - 120.0% of mass 95	66.3
175	5.0 - 9.0% of mass 174	5.0 (7.5)1
176	95.0 - 101.0% of mass 174	65.1 (98.2)1
177	5.0 - 9.0% of mass 176	4.1 (6.3)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	VSTD0.5JS	VSTD0.5JS	JAM0005V	03/25/2010	1946
02	VSTD001JS	VSTD001JS	JAM001V	03/25/2010	2014
03	VSTD005JS	VSTD005JS	JAM005V	03/25/2010	2041
04	VSTD010JS	VSTD010JS	JAM010V	03/25/2010	2109
05	VSTD020JS	VSTD020JS	JAM020V	03/25/2010	2137
06					
07					
08					
09					
10					
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.

BFBJT

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Lab File ID: JAN06PV

BFB Injection Date: 03/26/2010

Instrument ID: J.i

BFB Injection Time: 0853

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 80.0% of mass 95	41.8
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	0.7 (1.2)1
174	50.0 - 120.0% of mass 95	62.6
175	5.0 - 9.0% of mass 174	4.0 (6.4)1
176	95.0 - 101.0% of mass 174	59.8 (95.6)1
177	5.0 - 9.0% of mass 176	4.0 (6.7)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	VSTD005JT	VSTD005JT	JAN05AV	03/26/2010	0914
02	VBLKJT	VBLKJT	JANB02A	03/26/2010	1009
03	D5 CONTROLDL	823376D1	823376D	03/26/2010	1310
04	D5 1.5HIGH	823377	823377	03/26/2010	1338
05	D5 1.5MEDIUM	823378	823378	03/26/2010	1406
06	D51.5MEDIUMD	823379	823379	03/26/2010	1434
07	D5 1.75HIGH	823380	823380	03/26/2010	1502
08	D51.75MEDIUM	823381	823381	03/26/2010	1531
09	D5 2 HIGH	823382	823382	03/26/2010	1559
10	D5 2 MEDIUM	823383	823383	03/26/2010	1627
11	TRIP BLANK	823384	823384	03/26/2010	1655
12	D5 1.5HIGHDL	823377D1	823377D	03/26/2010	1724
13	D5 CONTROL	823376	823376D2	03/26/2010	1752
14	VSTD005TJ	VSTD005TJ	JAN05AC1	03/26/2010	1828
15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBJU

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Lab File ID: JAN08PV

BFB Injection Date: 03/26/2010

Instrument ID: J.i

BFB Injection Time: 1911

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 80.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.7
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	50.0 - 120.0% of mass 95	69.0
175	5.0 - 9.0% of mass 174	4.2 (6.1)1
176	95.0 - 101.0% of mass 174	66.8 (96.9)1
177	5.0 - 9.0% of mass 176	4.9 (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	VSTD005JU	VSTD005JU	JAN005BV	03/26/2010	1933
02	VBLKJU	VBLKJU	JANB02B	03/26/2010	2029
03	VHBLK01	823385	823385	03/26/2010	2116
04	VSTD005UJ	VSTD005UJ	JAN05BC1	03/27/2010	0259
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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.: 136458
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005JT Date Analyzed: 03/26/2010
Lab File ID (Standard): JAN05AV Time Analyzed: 0914
Instrument ID: J.i Heated Purge: (Y/N) N

	IS1 (CBZ)	RT #	IS2 (DFB)	RT #	IS3 (DCB)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	918822	9.06	1261802	5.68	385680	11.90
UPPER LIMIT	1286351	9.40	1766523	6.01	539952	12.23
LOWER LIMIT	551293	8.73	757081	5.35	231408	11.57
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKJT	877065	9.06	1185293	5.68	353487	11.90
02 D5 CONTROLDL	915880	9.06	1250630	5.68	364711	11.90
03 D5 1.5HIGH	913733	9.06	1202232	5.68	371684	11.90
04 D5 1.5MEDIUM	875766	9.06	1180925	5.68	367513	11.90
05 D51.5MEDIUMD	859653	9.06	1128700	5.68	356567	11.90
06 D5 1.75HIGH	811434	9.06	1097737	5.68	346750	11.90
07 D51.75MEDIUM	830739	9.06	1114007	5.68	348419	11.90
08 D5 2 HIGH	824624	9.06	1092833	5.68	352764	11.90
09 D5 2 MEDIUM	853725	9.06	1114321	5.68	363149	11.90
10 TRIP BLANK	838651	9.06	1119195	5.68	356065	11.90
11 D5 1.5HIGHDL	847319	9.06	1114991	5.68	358131	11.90
12 D5 CONTROL	853873	9.06	1117338	5.68	354692	11.90
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
Page 1 of 1

SOM01.2

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.: 136458
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No. (VSTD#####): VSTD005JU Date Analyzed: 03/26/2010
Lab File ID (Standard): JAN005BV Time Analyzed: 1933
Instrument ID: J.i Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	=====	=====	=====	=====	=====	=====	=====
	12 HOUR STD	861120	9.06	1166749	5.68	355176	11.90
	UPPER LIMIT	1205568	9.40	1633449	6.01	497246	12.23
	LOWER LIMIT	516672	8.73	700049	5.35	213106	11.57
	=====	=====	=====	=====	=====	=====	=====
	EPA SAMPLE NO.						
	=====	=====	=====	=====	=====	=====	=====
01	VBLKJU	855837	9.06	1118866	5.68	352691	11.90
02	VHBLK01	646504	9.06	864957	5.68	268590	11.90
03							
04							
05							
06							
07							
08							
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
Page 1 of 1

SOM01.2



Supportive Documentation – SOM01.2 Volatiles – Trace

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
D5 1.5HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823377
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823377
Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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	52	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	21	E
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.56	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.4	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.

D5 1.5HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823377

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823377

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	0.70	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.

D5 1.5HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823377
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823377
Level: (TRACE or LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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)

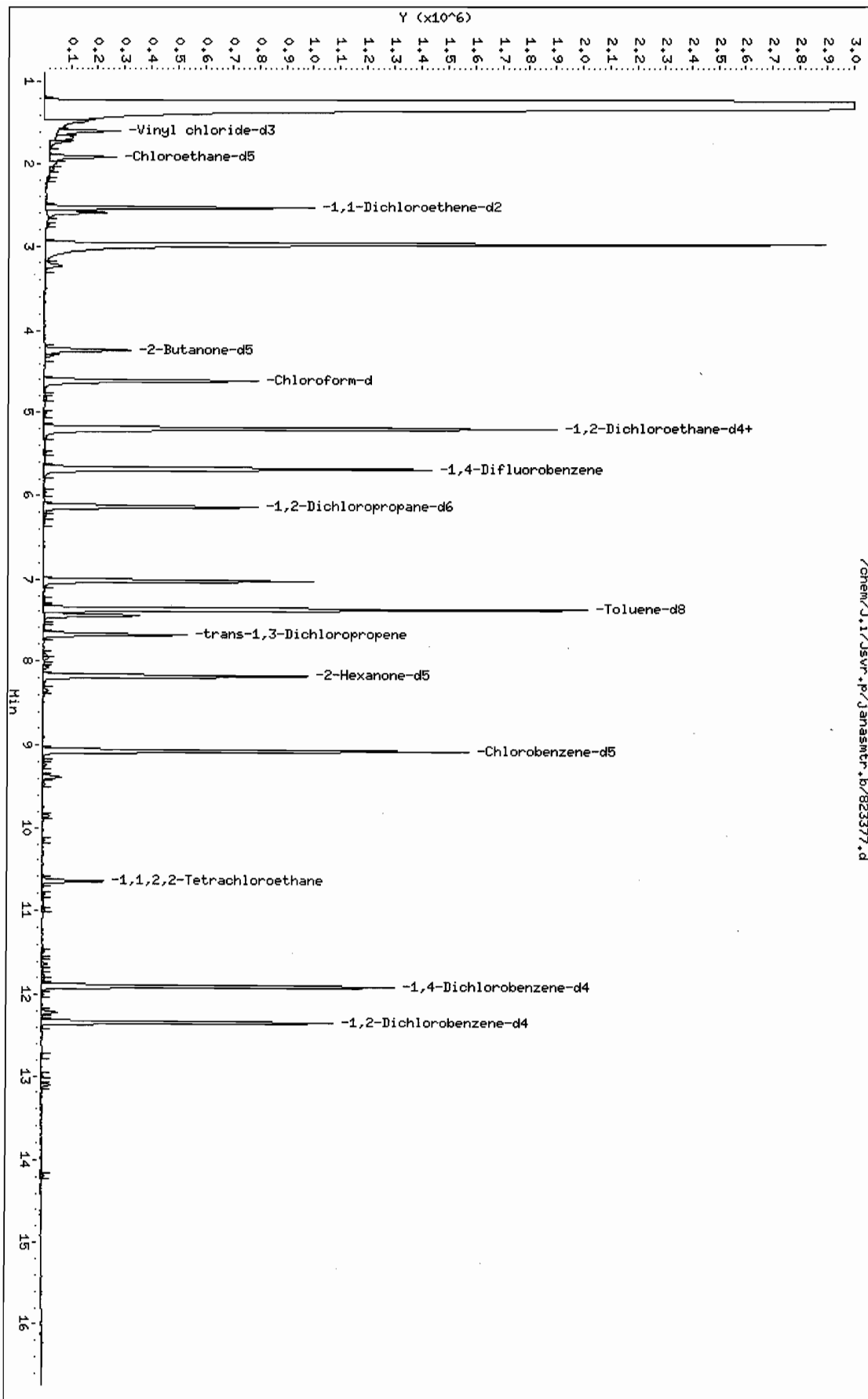
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.02	3.3	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr,p/janasmttr,b/823377.d
Date : 26-MAR-2010 13:38
Client ID: D5 1.5HIGH
Sample Info: D=5 1.5% HIGH : (103/19/10 @1050(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823377.d
Lab Smp Id: 823377 Client Smp ID: D5 1.5HIGH
Inj Date : 26-MAR-2010 13:38
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.5% HIGH : [] 03/19/10 @1050 (WATER)
Misc Info : 823377,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	475520	4.41594	4.4 (M)
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	324371	4.56155	4.6
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	793972	3.67785	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	(0.457)	287250	52.2774	52
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	2.980	2.980	(0.525)	1265899	20.5650	21 (A)
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.229	3.236	(0.568)	54007	0.55682	0.56
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	526507	52.5839	53
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.306	4.300	(0.758)	34240	3.38970	3.4 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	722975	4.99391	5.0 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	280384	5.18693	5.2
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1567807	4.51816	4.5
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1202232	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	405159	4.73707	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	7.366	7.366	(0.813)	1447711	4.58774	4.6
41 Toluene	91	7.445	7.445	(0.821)	268768	0.70163	0.70
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	322883	4.87476	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	8.175	8.181	(0.902)	381260	50.4458	50
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	9.064	9.064	(1.000)	913733	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	10.651	10.657	(1.175)	129692	4.81504	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	11.898	11.899	(1.000)	371684	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	293394	4.85388	4.9
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823377.d
Lab Smp Id: 823377 Client Smp ID: D5 1.5HIGH
Inj Date : 26-MAR-2010 13:38
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.5% HIGH :[]03/19/10 @1050(WATER)
Misc Info : 823377,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	3033001	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
7.019	2022765	3.33459252	3.3	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823377.d

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Date : 26-MAR-2010 13:38

Client ID: D5 1.5HIGH

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

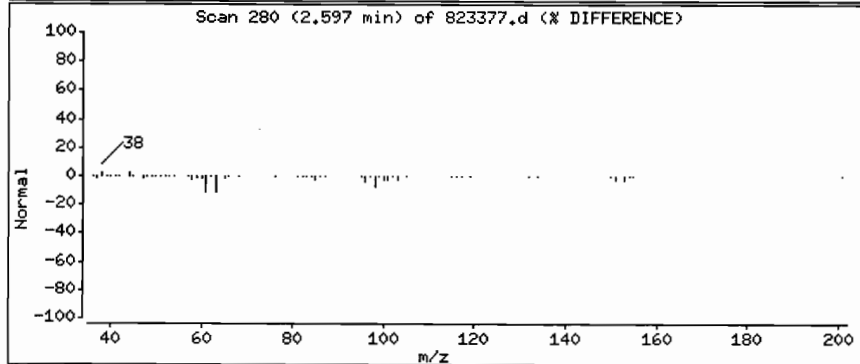
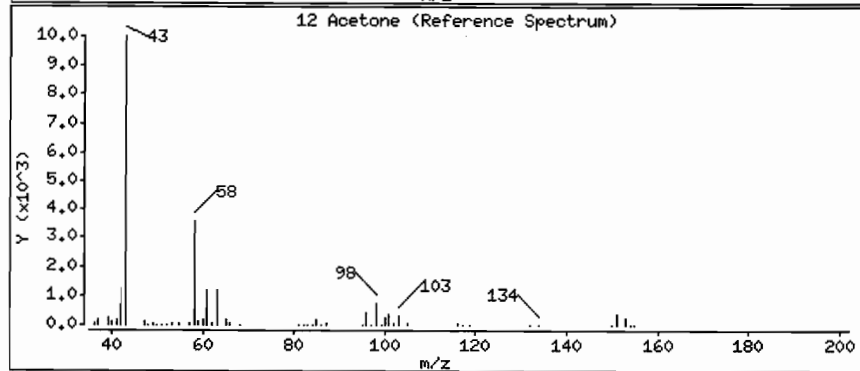
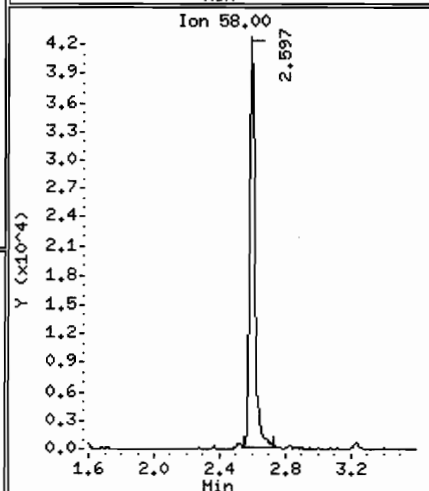
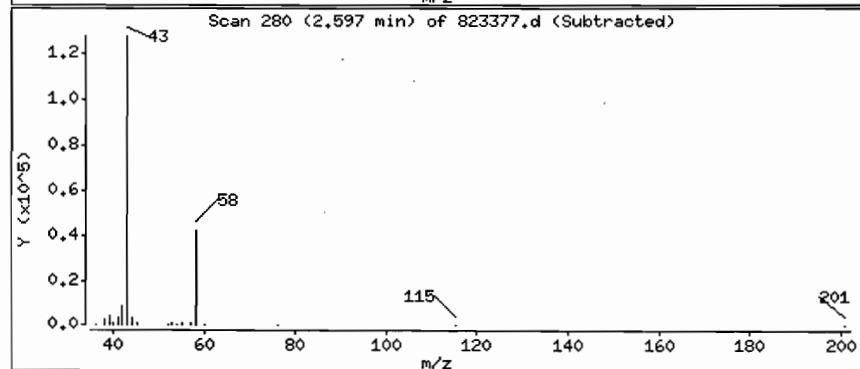
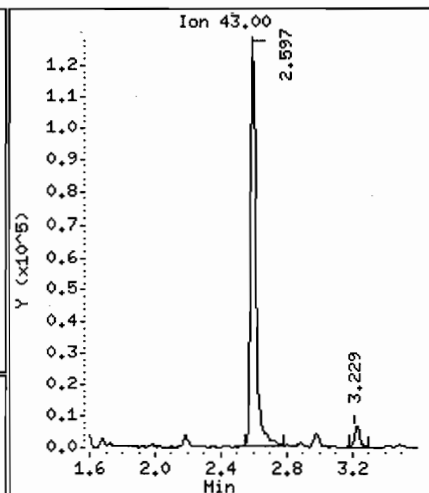
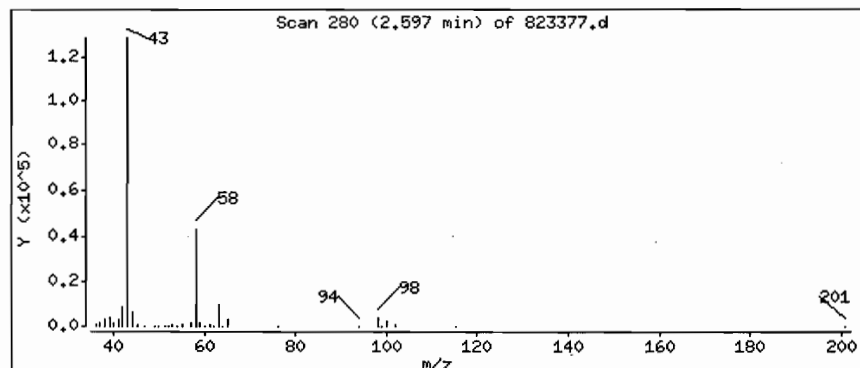
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 52 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823377.d

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Date : 26-MAR-2010 13:38

Client ID: D5 1.5HIGH

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

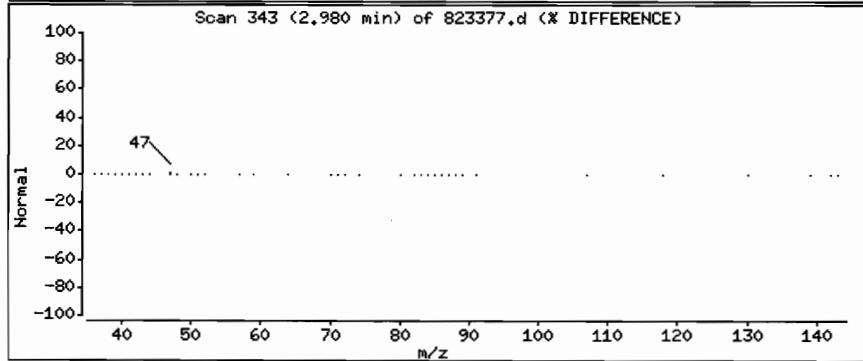
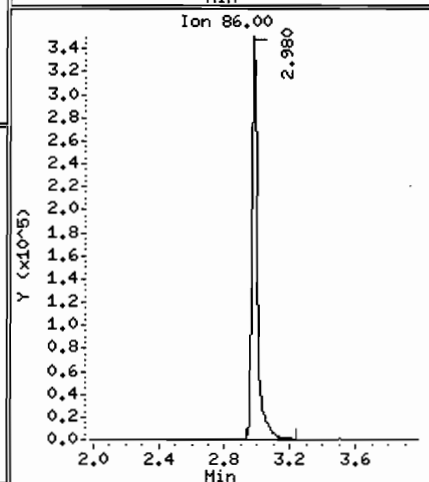
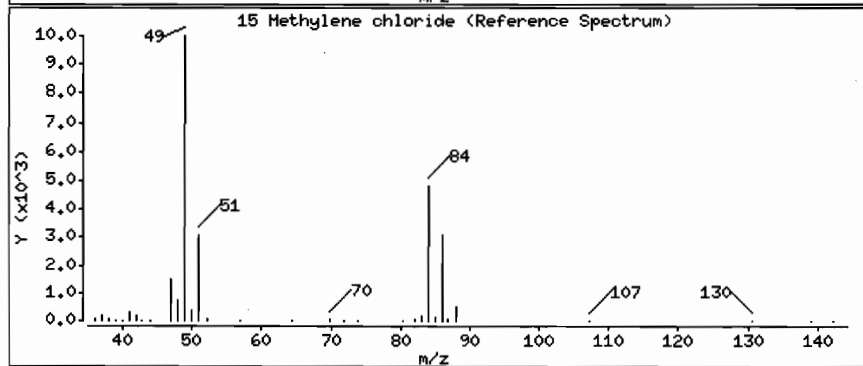
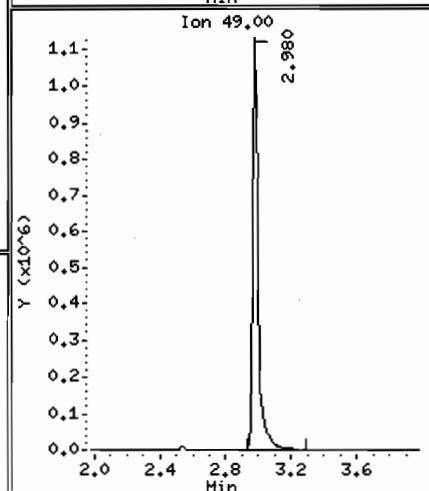
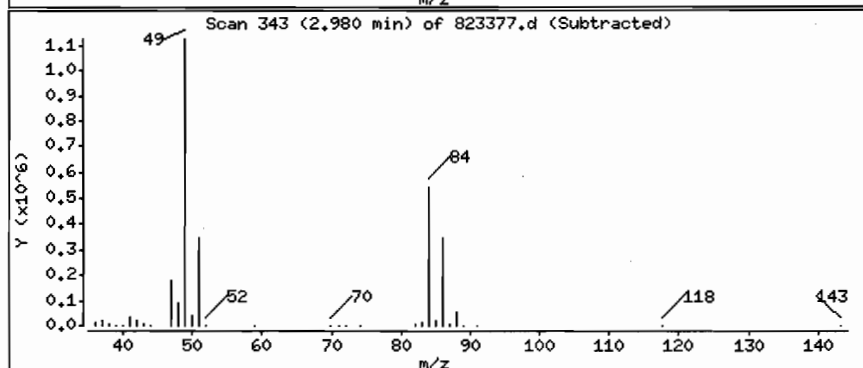
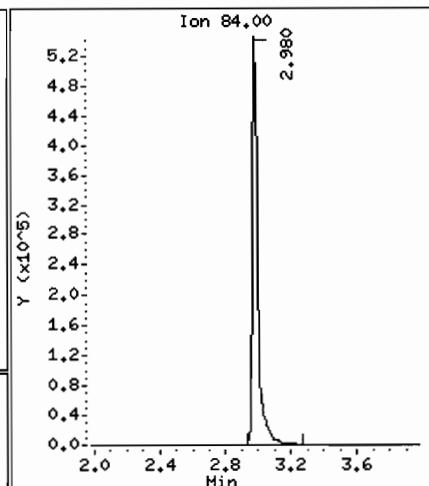
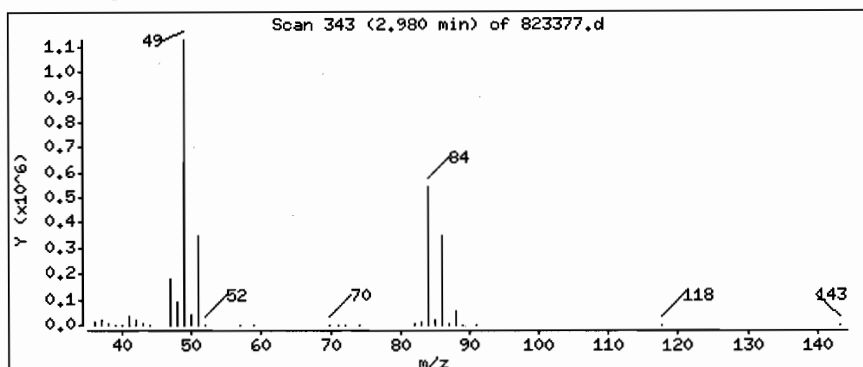
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 21 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823377.d

Page 8

Date : 26-MAR-2010 13:38

Client ID: D5 1.5HIGH

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

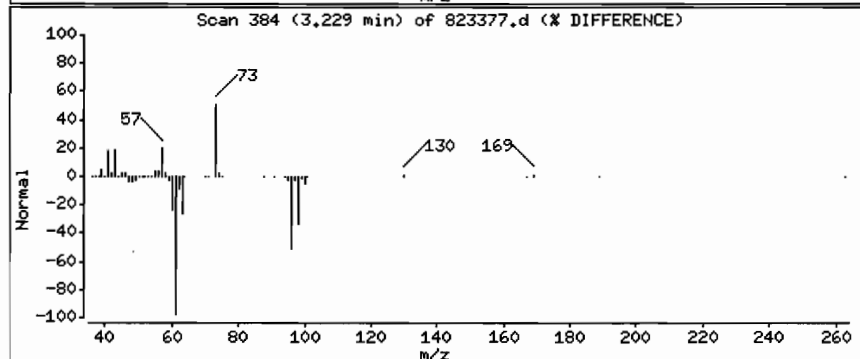
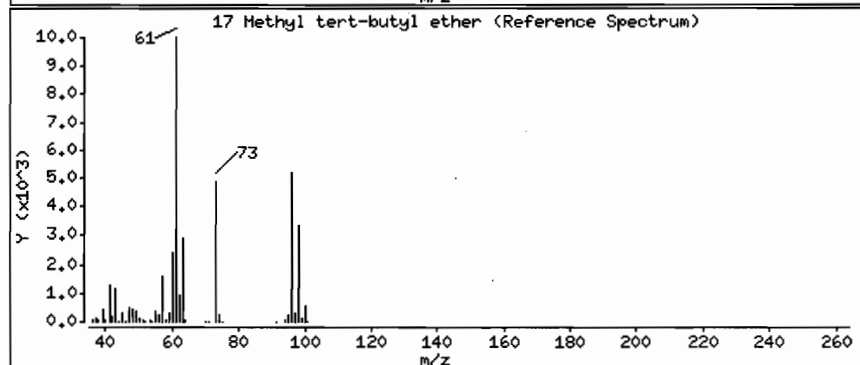
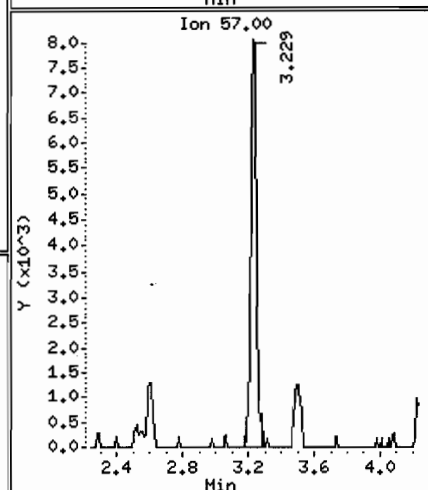
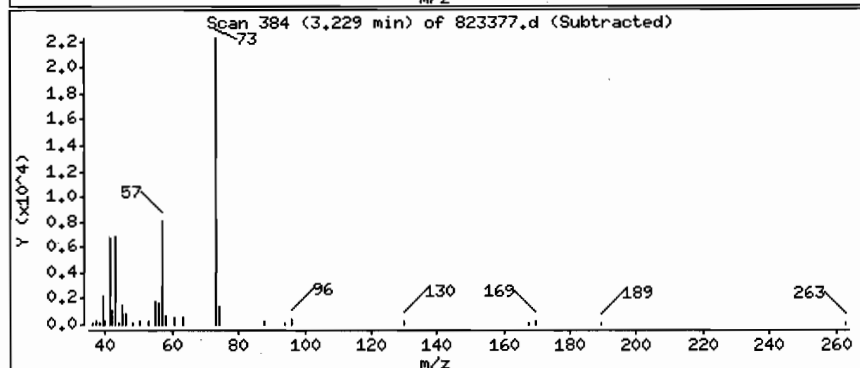
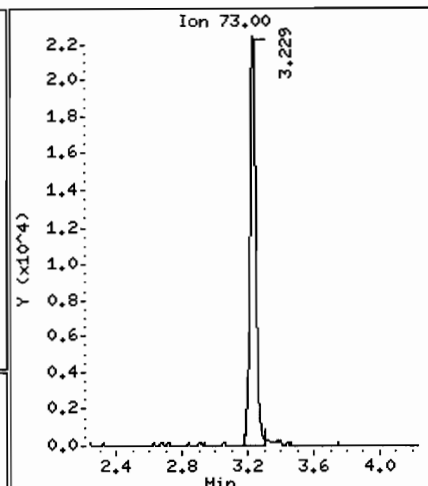
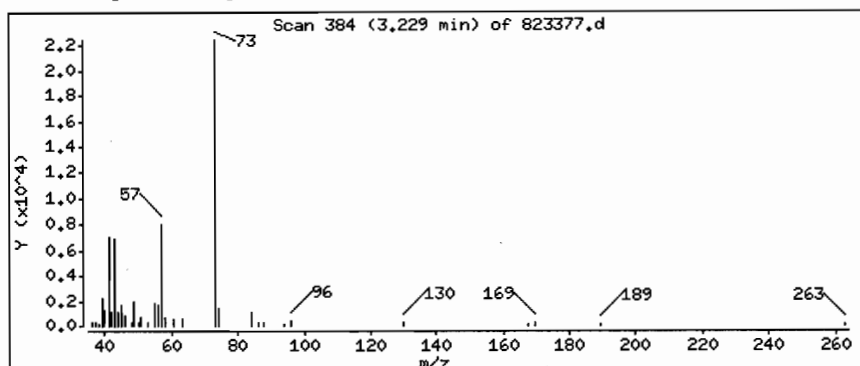
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.56 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtb/823377.d

Page 9

Date : 26-MAR-2010 13:38

Client ID: D5 1.5HIGH

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

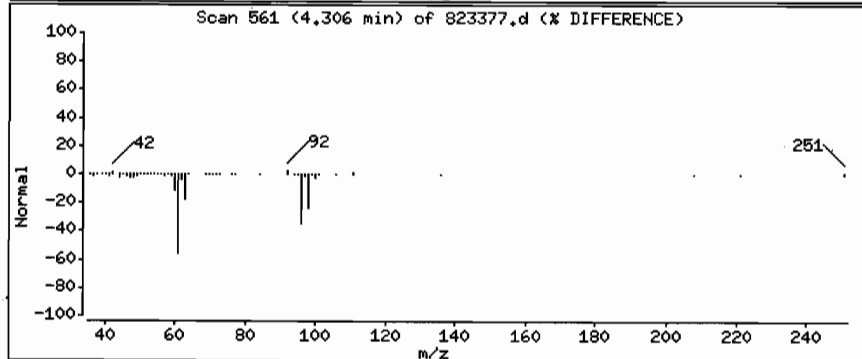
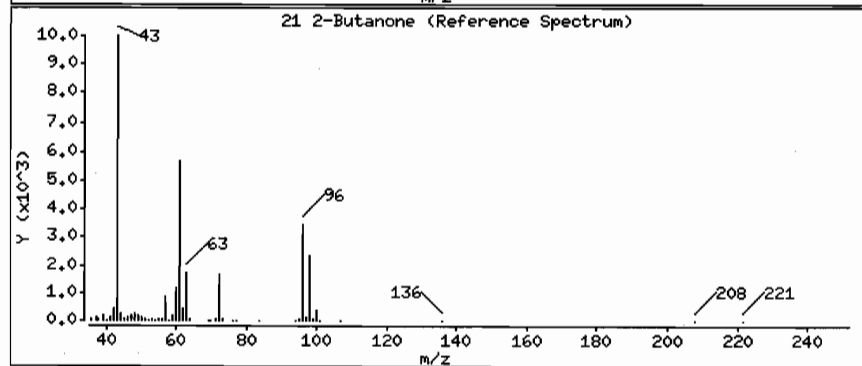
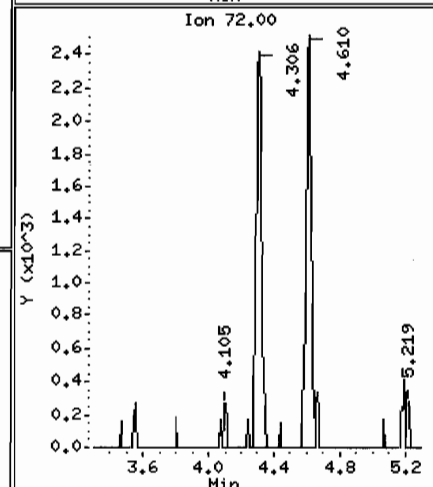
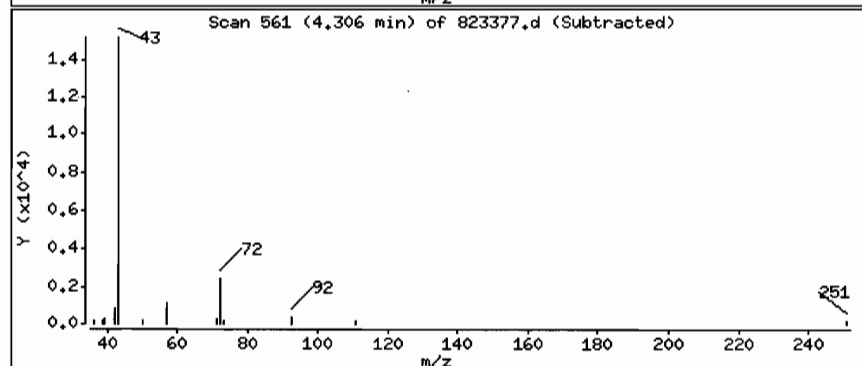
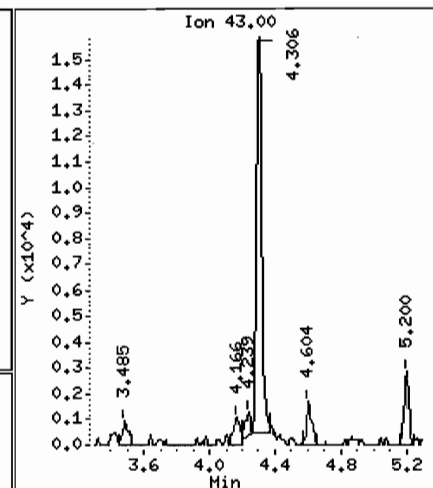
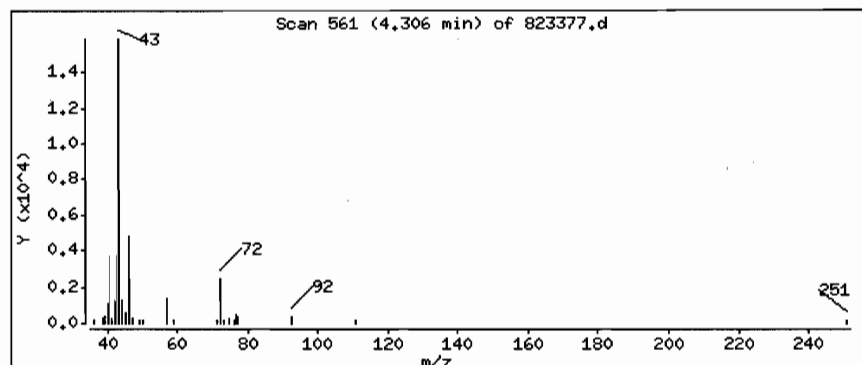
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.4 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.r.b/823377.d

Page 10

Date : 26-MAR-2010 13:38

Client ID: D5 1.5HIGH

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

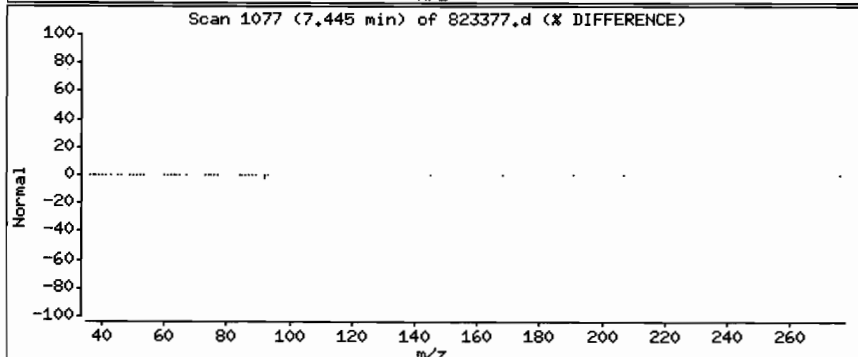
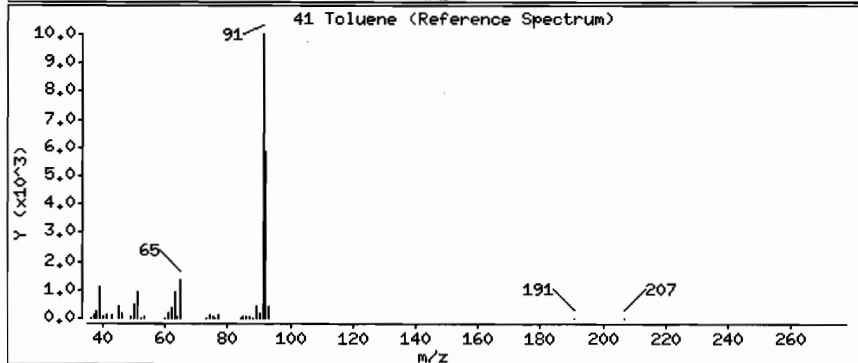
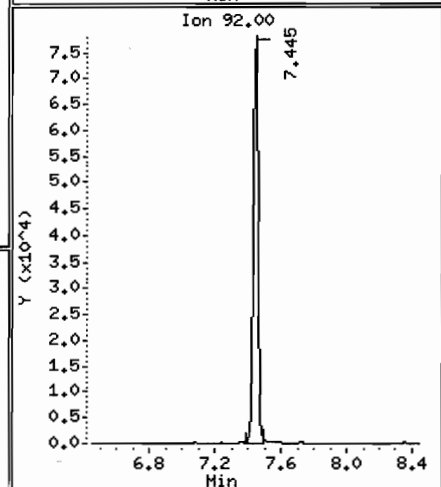
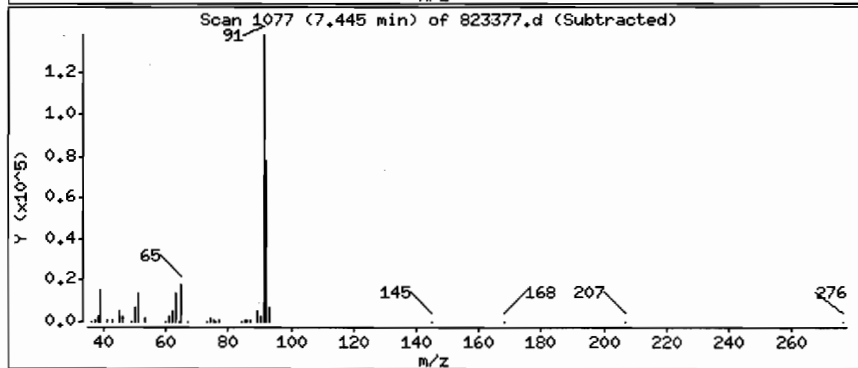
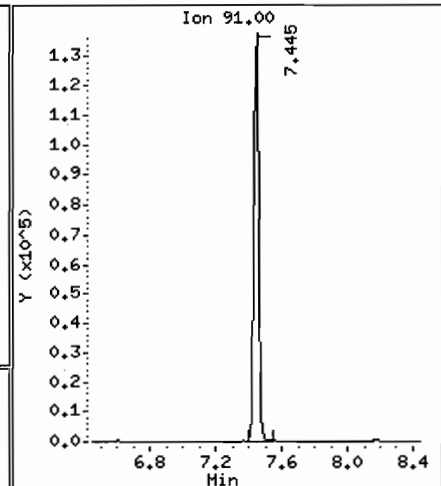
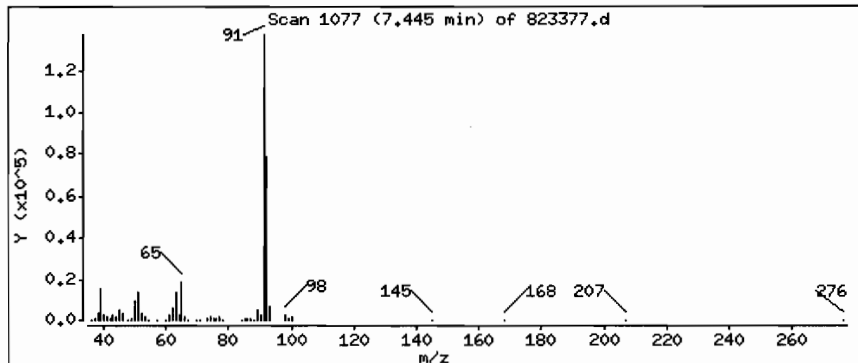
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.70 ug/L



Date : 26-MAR-2010 13:38

Client ID: D5 1.5HIGH

Instrument: J.i

Sample Info: D=5 1.5% HIGH :I 103/19/10 @1050(WATER)

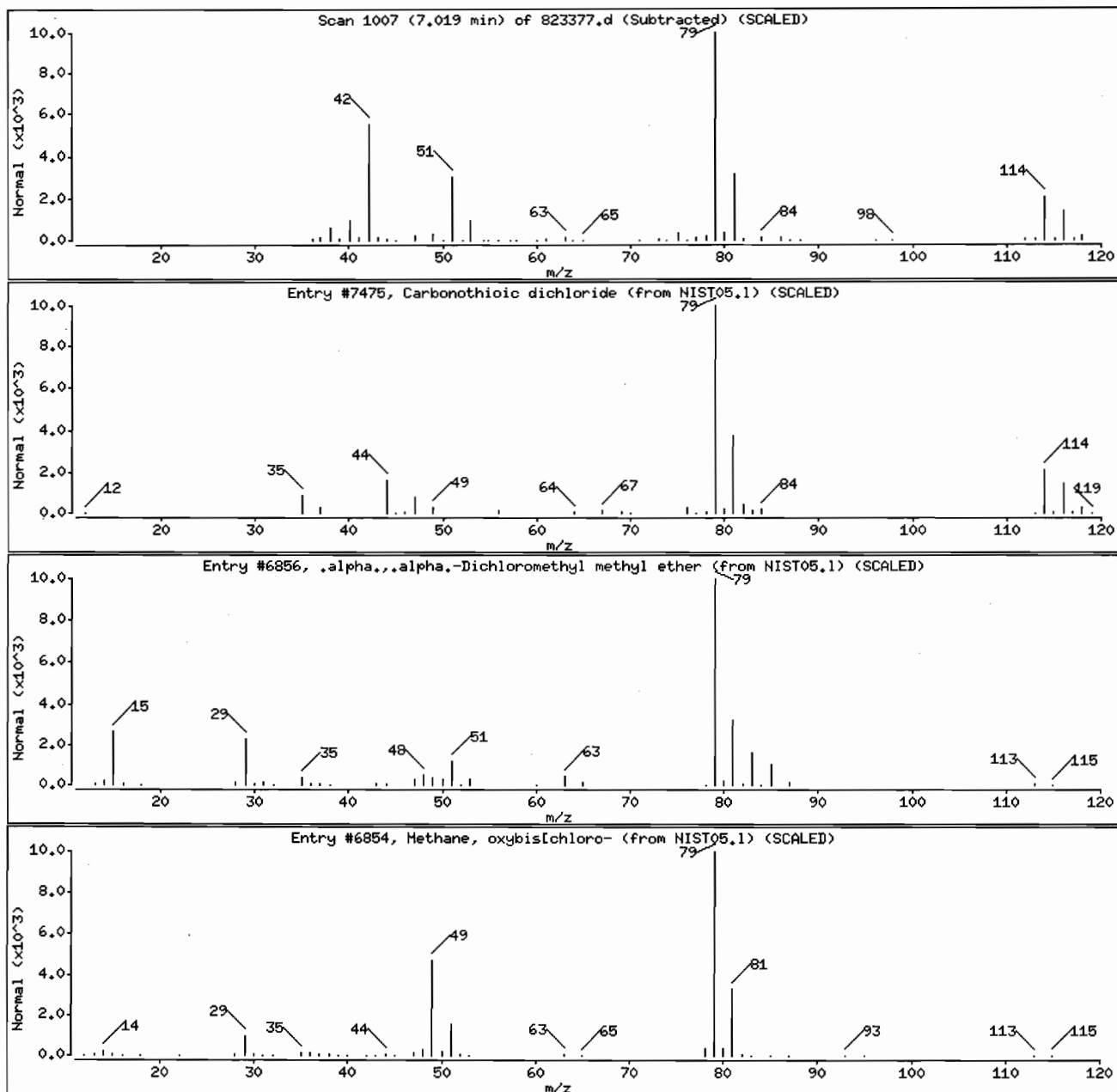
Purge Volume: 25.0

Operator: HTP

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
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	23	C2H4Cl2O	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	17	C2H4Cl2O	114



MANUAL INTEGRATION REPORT

Data File Name: 823377.d

Inj. Date and Time: 26-MAR-2010 13:38

Target Version: Target 3.50

Client Sample ID: D5 1.5HIGH

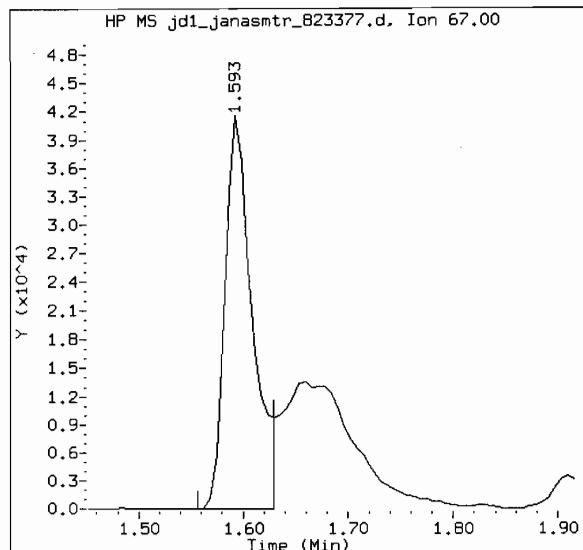
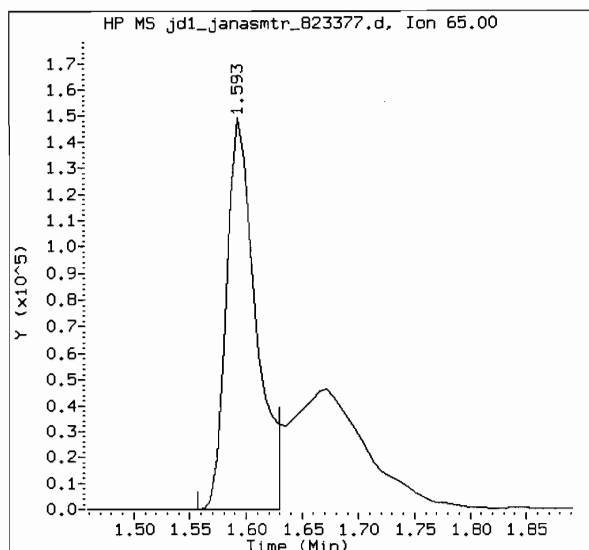
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

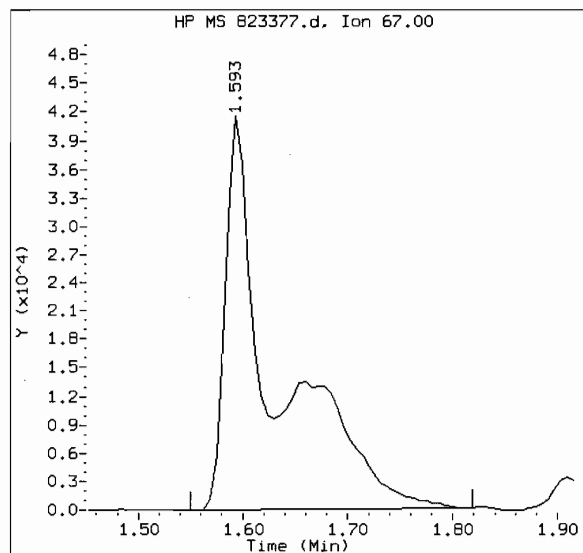
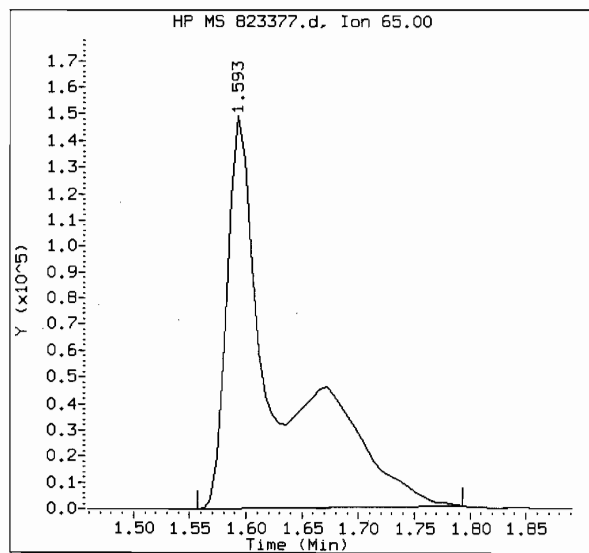
Report Date: 03/29/2010 14:31



Original Integrations:

Area = 274190

Area = 76681



Final Integrations:

Area = 475520

Area = 138082

Manual Integration Reason: M11 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D5 1.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823377D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823377D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	54	D
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	20	D
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	0.56	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	3.4	DJ
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.
D5 1.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823377D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823377D
Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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	1.0	U
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	0.66	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	1.0	U
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.

D5 1.5HIGHDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823377D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823377D

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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)

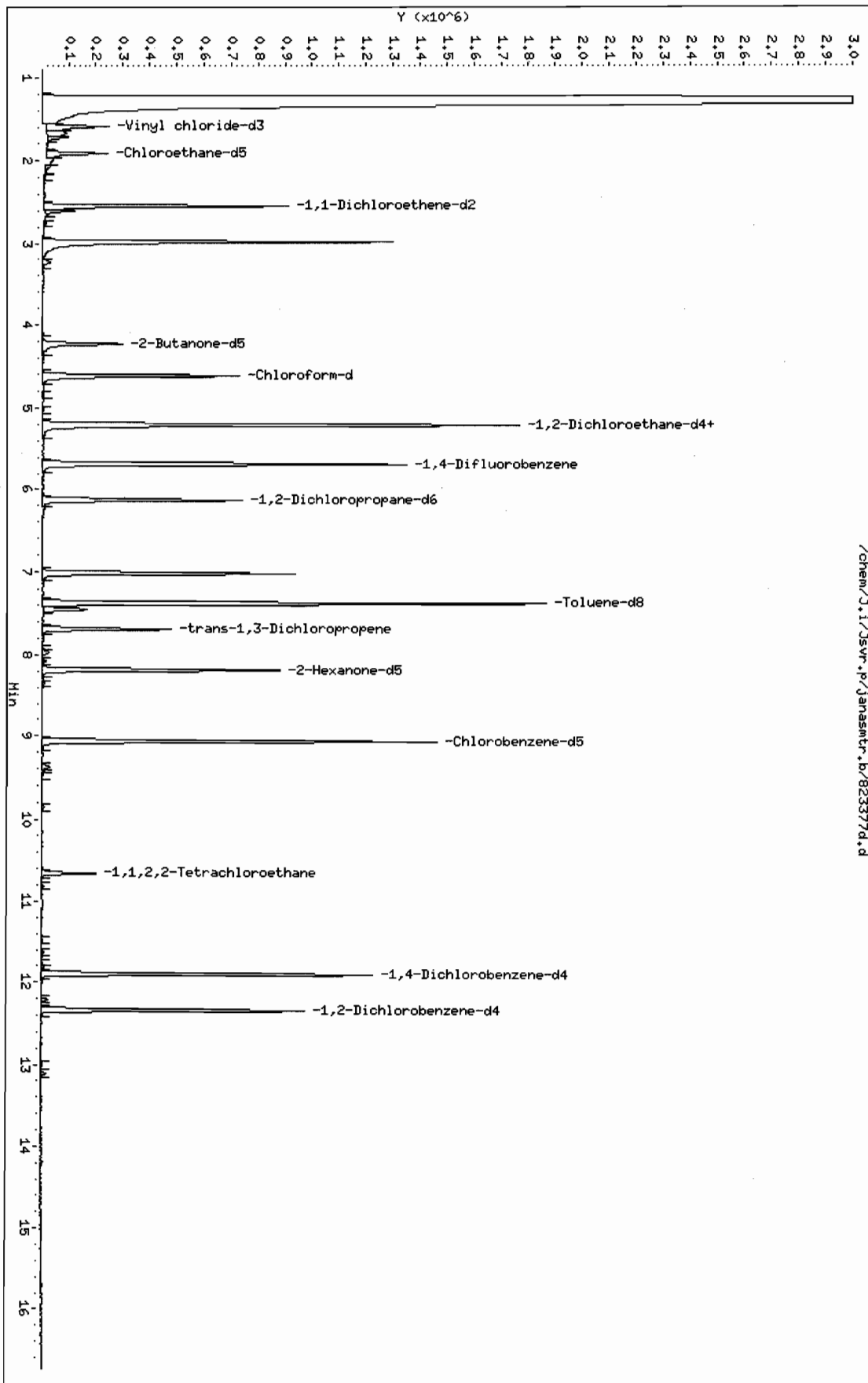
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jswr.p/janasmtr.b/823377d.d
Date: 26-HR-2010 17:24
Client ID: D5 1.5HIGHDL
Sample Info: D=5 1.5X HIGH :t 103/13/10 @1050(MATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823377d.d
Report Date: 29-Mar-2010 14:32

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823377d.d
Lab Smp Id: 823377D1 Client Smp ID: D5 1.5HIGHDL
Inj Date : 26-MAR-2010 17:24
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.5% HIGH :[]03/19/10 @1050(WATER)
Misc Info : 823377,032610JT,2,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jd1 Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 1
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	FINAL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane		85				Compound Not Detected.		
2 Chloromethane		50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3		65	1.593	1.599	(0.280)	434121	4.34692	4.3 (M)
4 Vinyl chloride		62				Compound Not Detected.		
5 Bromomethane		94				Compound Not Detected.		
\$ 6 Chloroethane-d5		69	1.909	1.909	(0.336)	300955	4.56341	4.6
7 Chloroethane		64				Compound Not Detected.		
8 Trichlorofluoromethane		101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2		63	2.542	2.542	(0.447)	723114	3.61171	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	2.597	2.597	(0.457)	138223	27.1238	54
13 Carbon disulfide		76				Compound Not Detected.		
14 Methyl acetate		43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	562735	9.85711	20
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.230	3.236	(0.568)	25072	0.27872	0.56 (a)
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	478817	51.5626	52
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.306	4.300	(0.758)	15873	1.69435	3.4 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.611	4.617	(0.812)	649808	4.83971	4.8 (Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.189	5.188	(0.913)	262148	5.22902	5.2
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1470300	4.56927	4.6
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1114991	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	364050	4.59006	4.6
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	7.366	7.366	(0.813)	1314656	4.49264	4.5
41 Toluene	91	7.446	7.445	(0.821)	117475	0.33071	0.66 (a)
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	288979	4.70486	4.7
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	8.176	8.181	(0.902)	340713	48.6144	49
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	847319	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	10.652	10.657	(1.175)	119438	4.78191	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	11.899	11.899	(1.000)	358131	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	273397	4.69422	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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823377d.d
Lab Smp Id: 823377D1 Client Smp ID: D5 1.5HIGHDL
Inj Date : 26-MAR-2010 17:24
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.5% HIGH : [] 03/19/10 @1050 (WATER)
Misc Info : 823377,032610JT,2,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 1
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	5.681	2845616	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
7.020	1864667	3.27638494	6.6	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmr.b/823377d.d

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Date : 26-MAR-2010 17:24

Client ID: D5 1.5HIGHDL

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

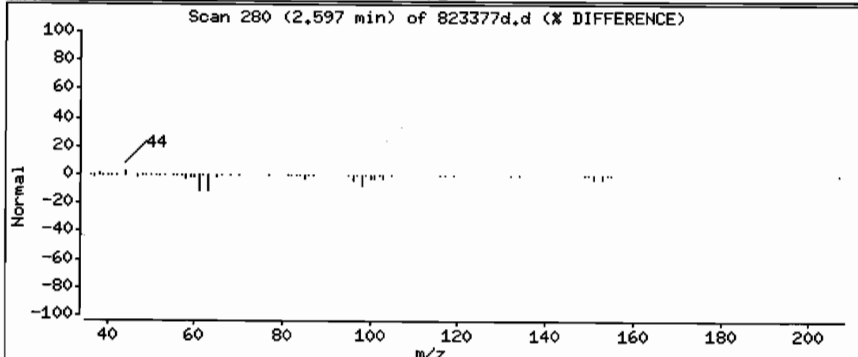
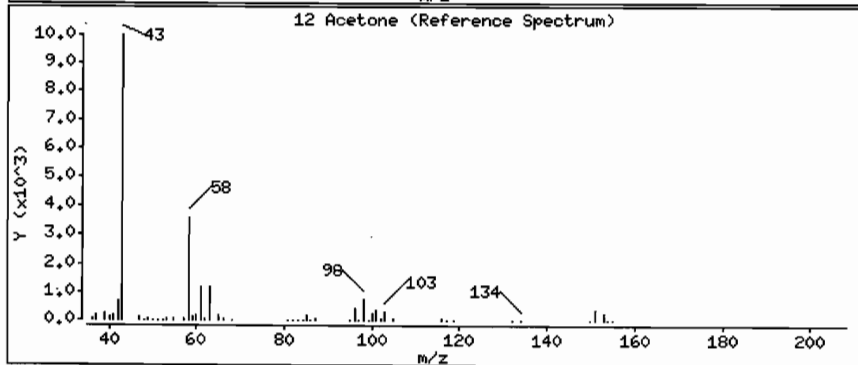
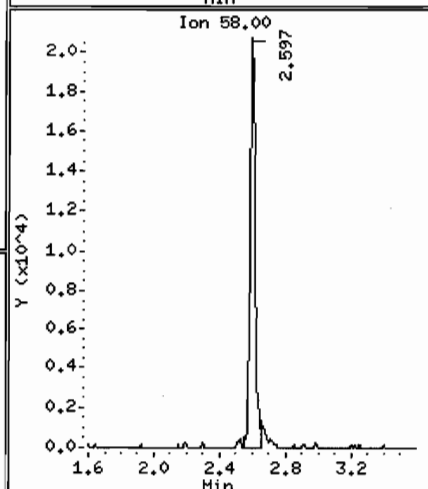
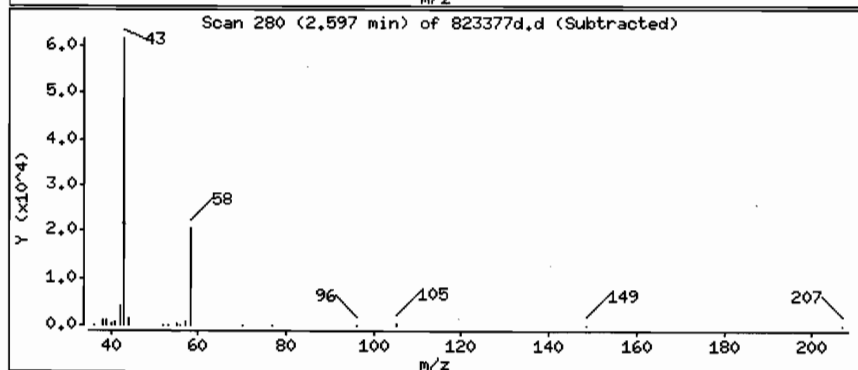
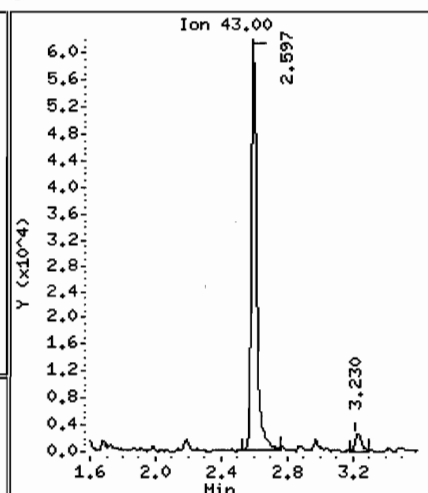
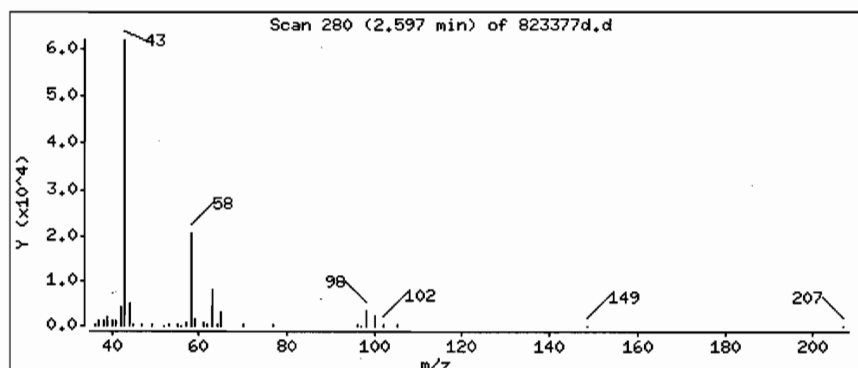
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 54 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823377d.d

Page 7

Date : 26-MAR-2010 17:24

Client ID: D5 1.5HIGHDL

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

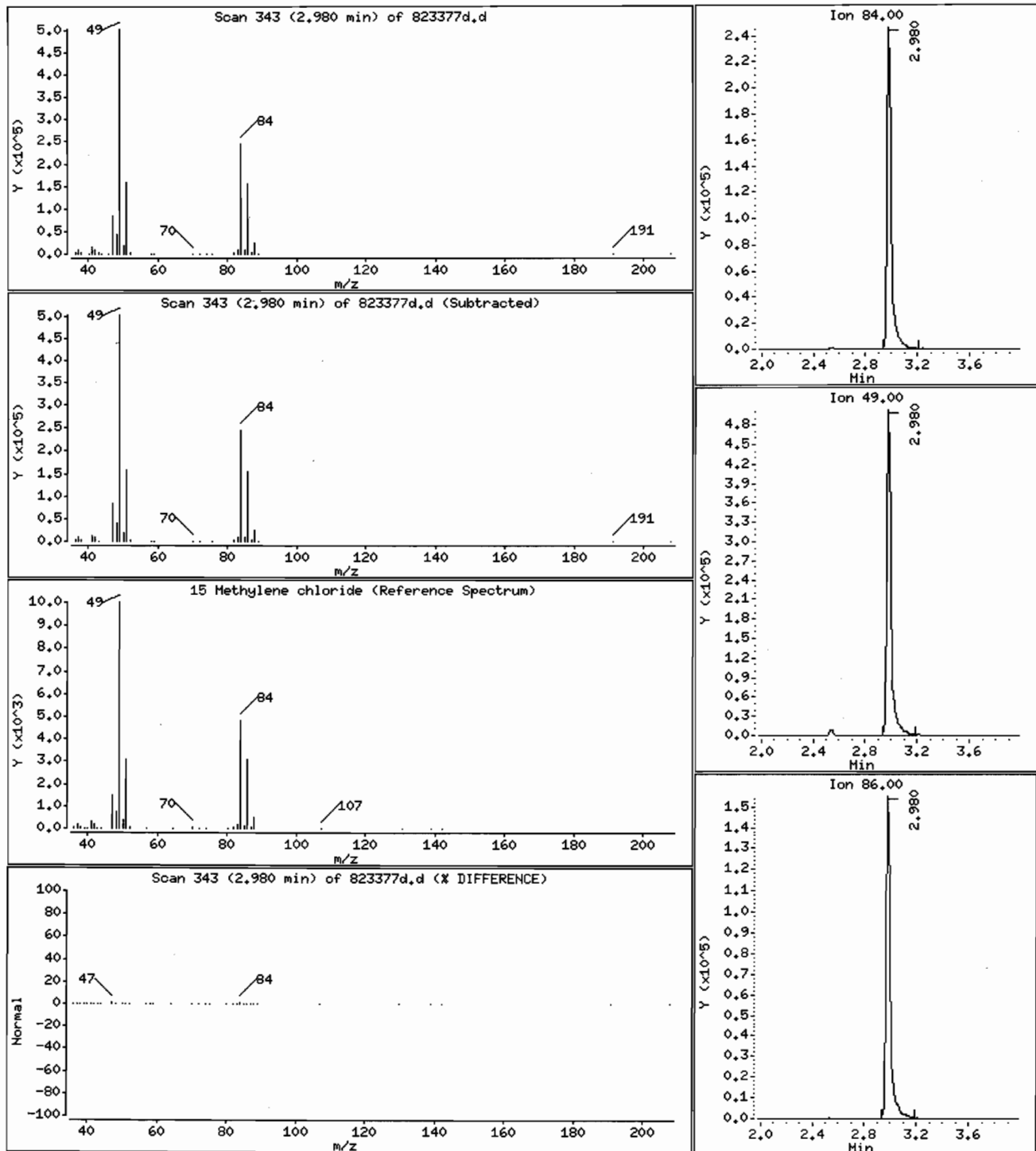
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 20 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823377d.d

Page 8

Date : 26-MAR-2010 17:24

Client ID: D5 1.5HIGHDL

Instrument: J.i

Sample Info: D=5 1.5% HIGH :[103/19/10 @1050(WATER)

Purge Volume: 25.0

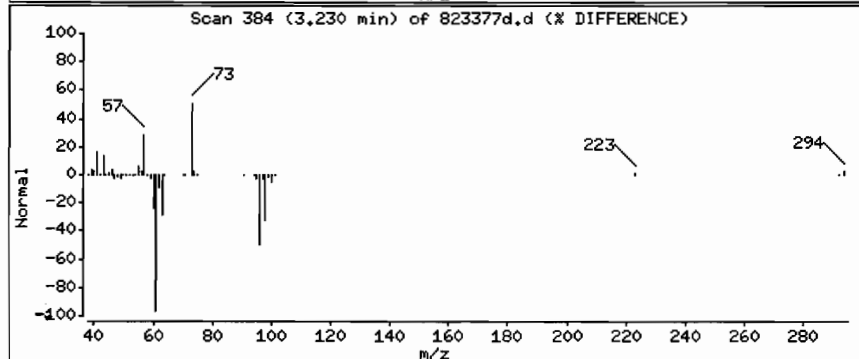
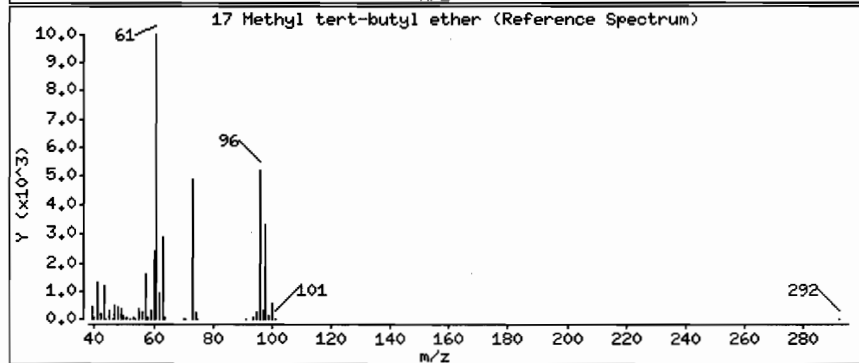
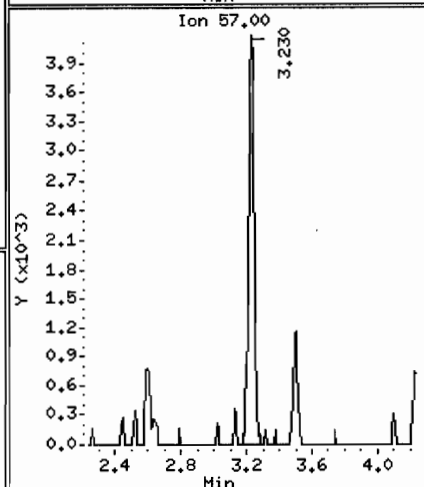
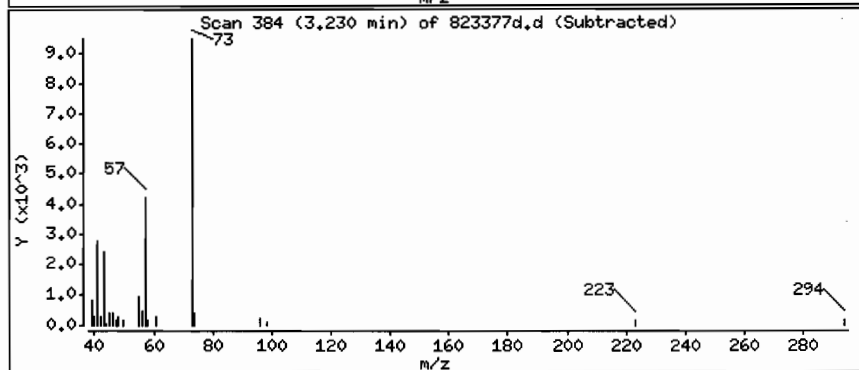
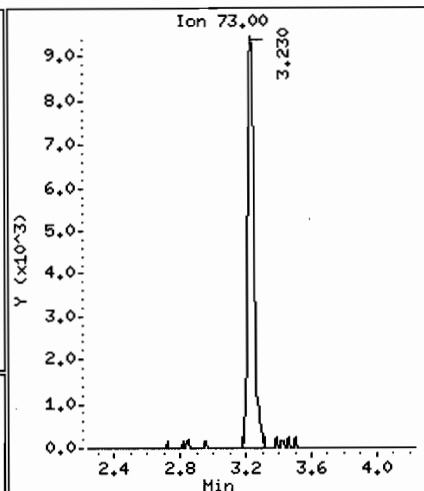
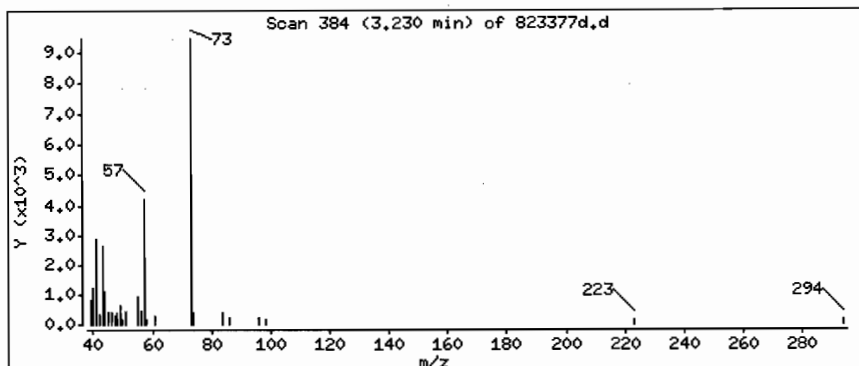
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.56 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823377d.d

Page 9

Date : 26-MAR-2010 17:24

Client ID: D5 1.5HIGHDL

Instrument: J.i

Sample Info: D=5 1.5% HIGH :I 103/19/10 @1050(WATER)

Purge Volume: 25.0

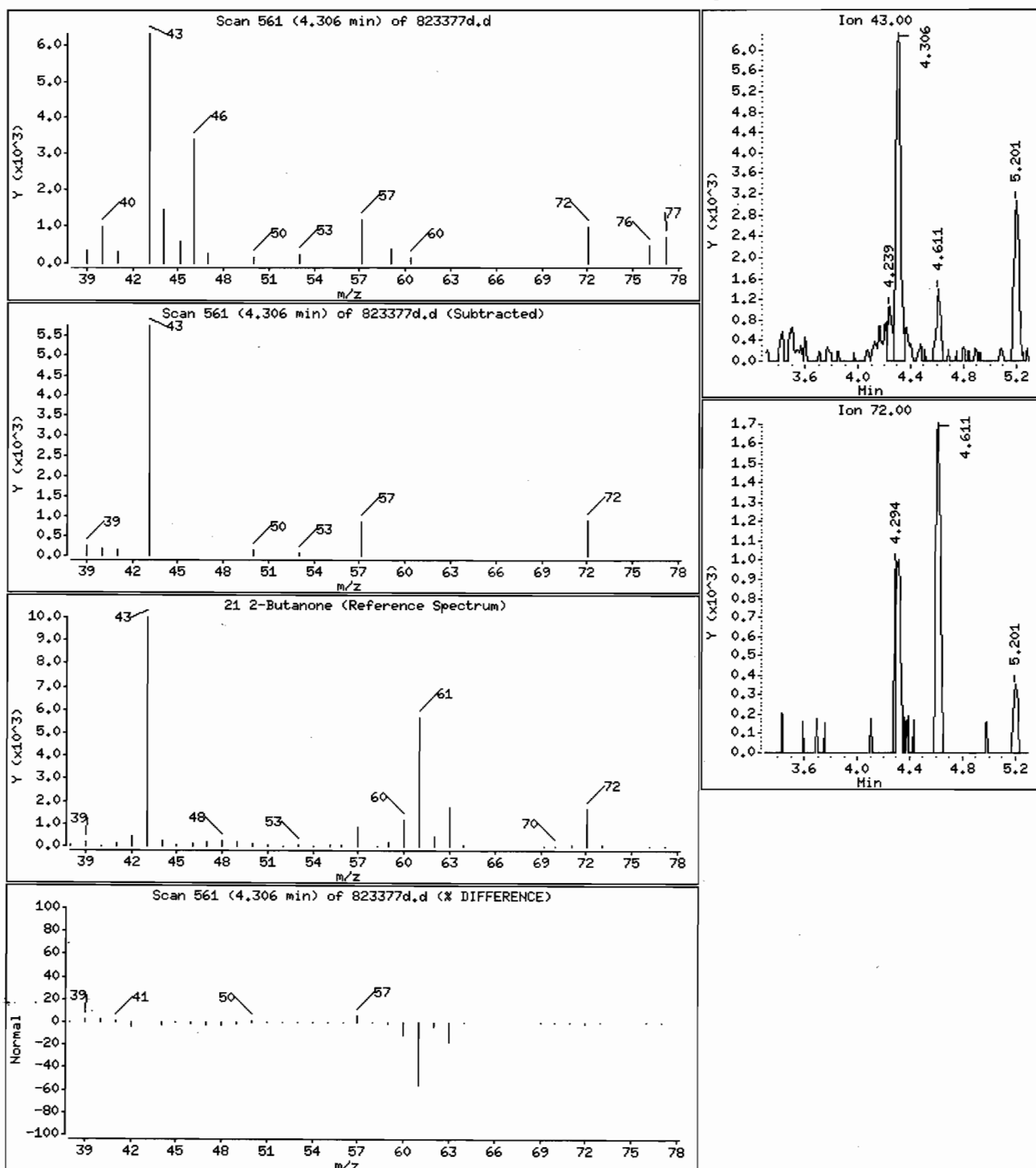
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.4 ug/L



Data File: /chem/J.i/Jsvr.p/janasntr.b/823377d.d

Page 10

Date : 26-MAR-2010 17:24

Client ID: D5 1.5HIGHDL

Instrument: J.i

Sample Info: D=5 1.5% HIGH ;[103/19/10 @1050(WATER)

Purge Volume: 25.0

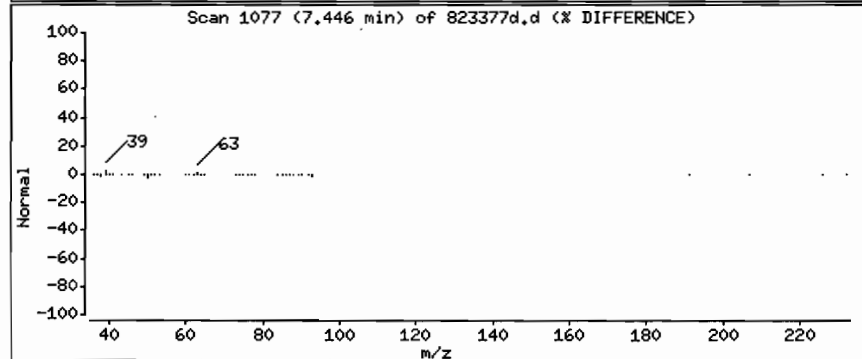
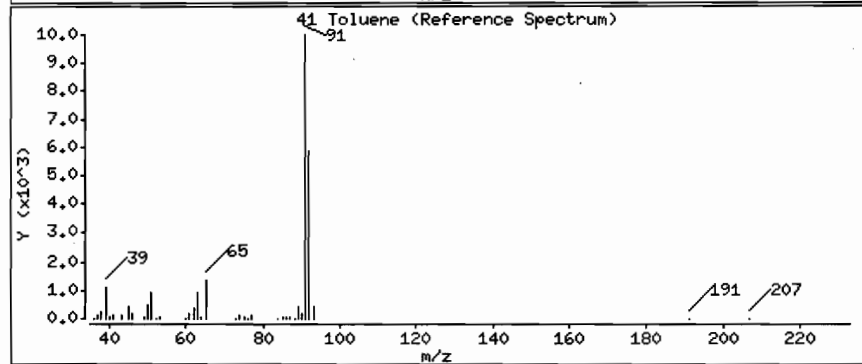
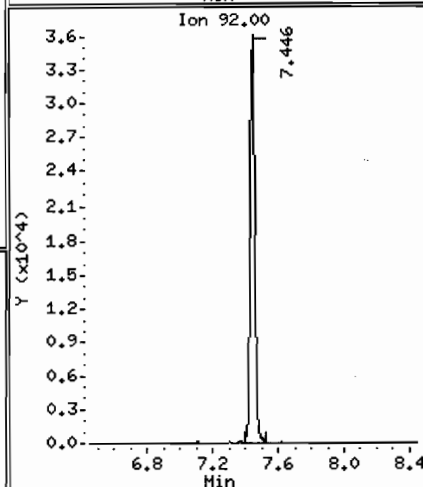
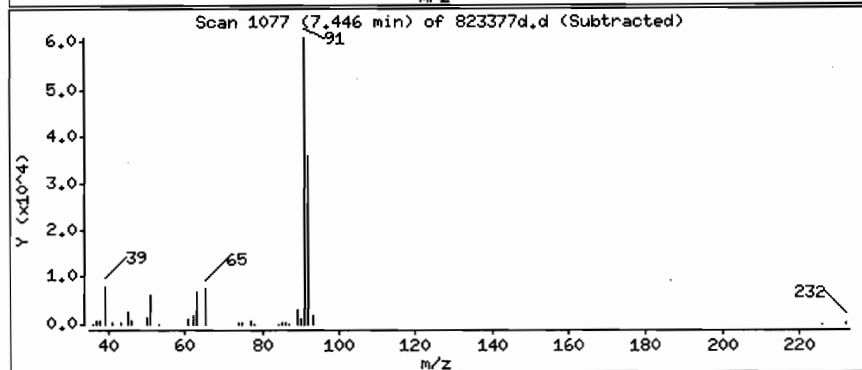
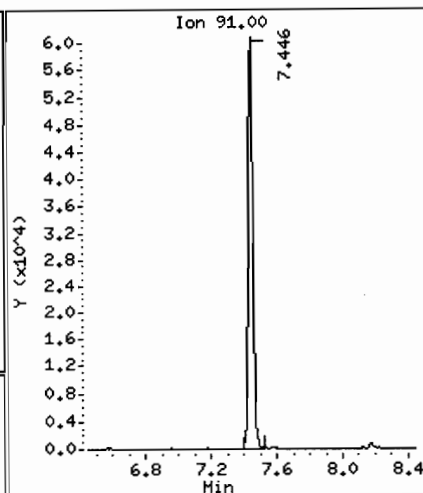
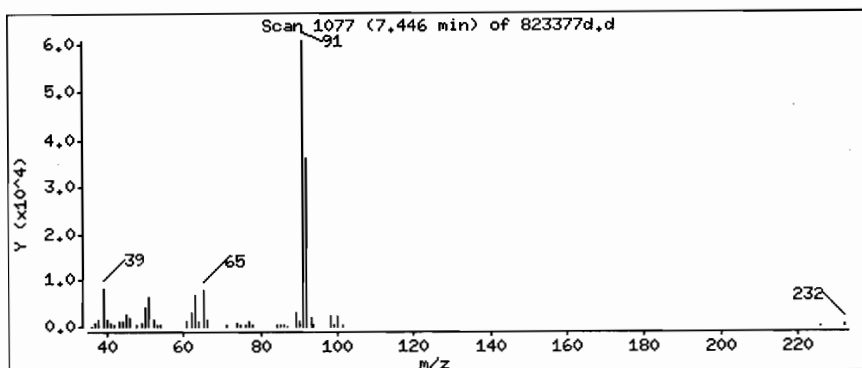
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.66 ug/L



Date : 26-MAR-2010 17:24

Client ID: D5 1.5HIGHDL

Instrument: J.i

Sample Info: D=5 1.5% HIGH :I 103/19/10 @1050(WATER)

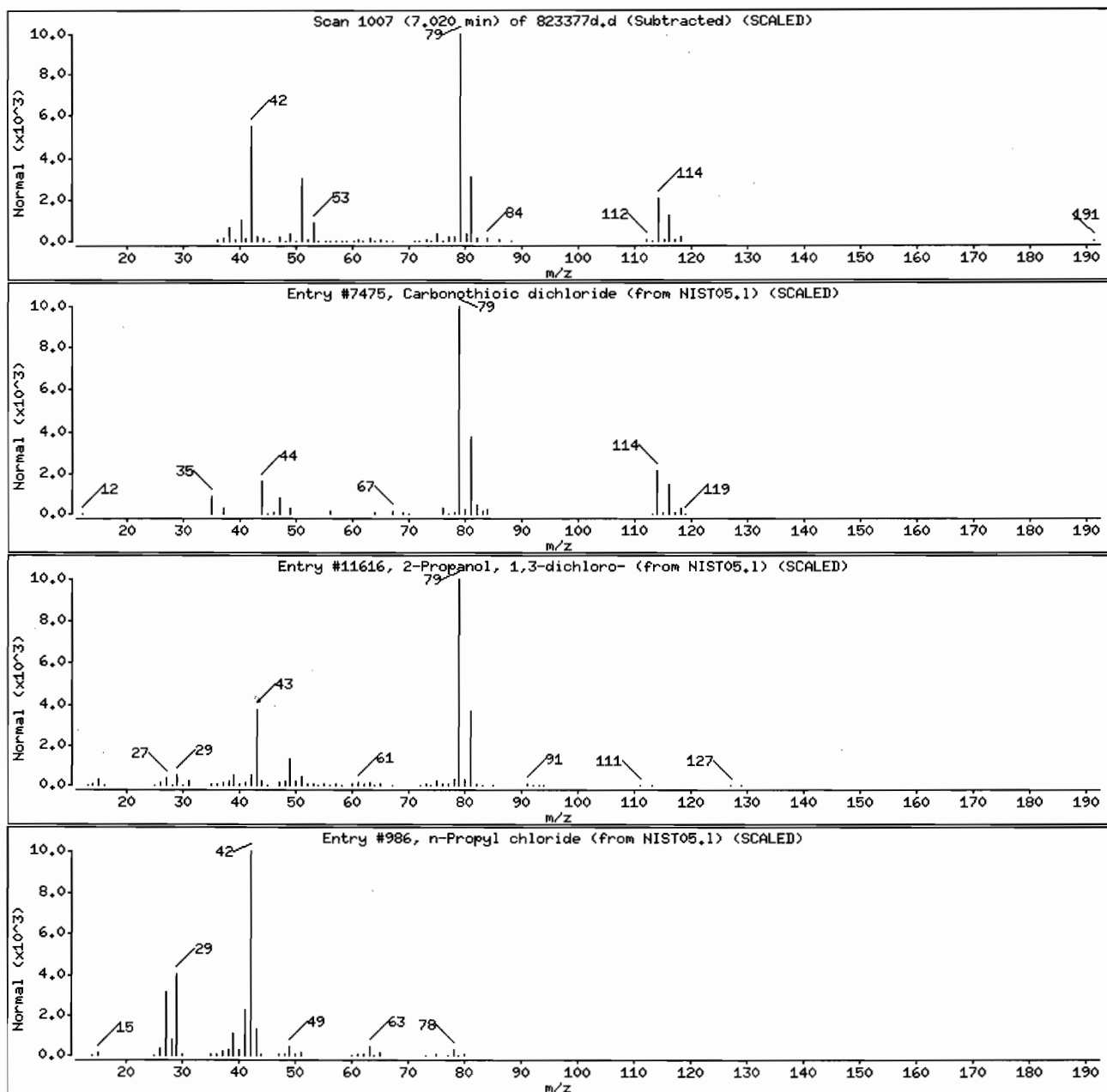
Purge Volume: 25.0

Operator: HTP

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonylthioic dichloride	463-71-8	NIST05.1	7475	49	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128
n-Propyl chloride	540-54-5	NIST05.1	986	9	C ₃ H ₇ Cl	78



MANUAL INTEGRATION REPORT

Data File Name: 823377d.d

Inj. Date and Time: 26-MAR-2010 17:24

Target Version: Target 3.50

Client Sample ID: D5 1.5HIGHDL

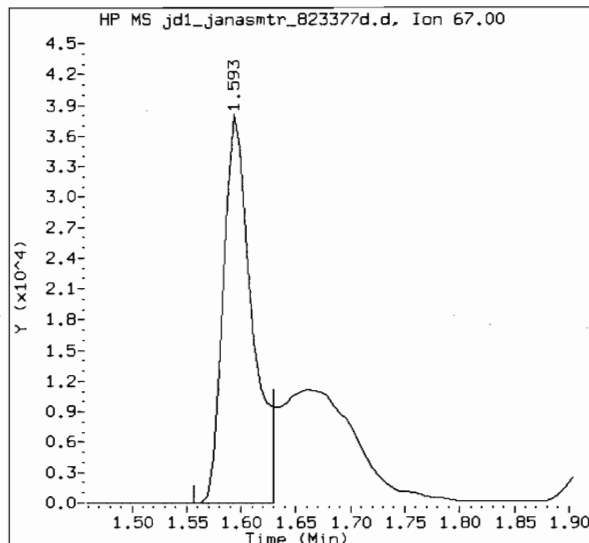
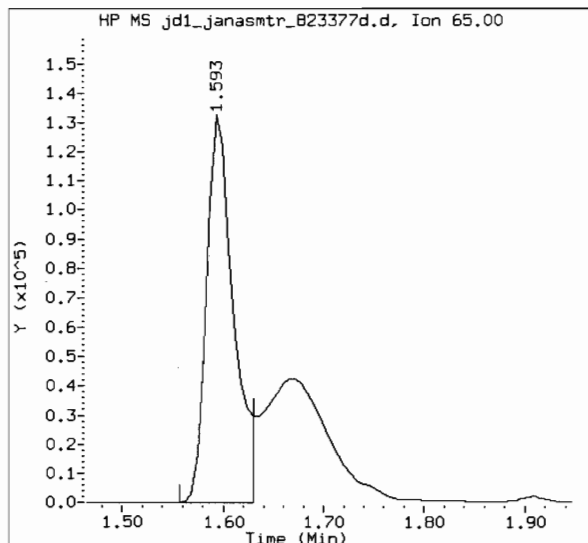
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

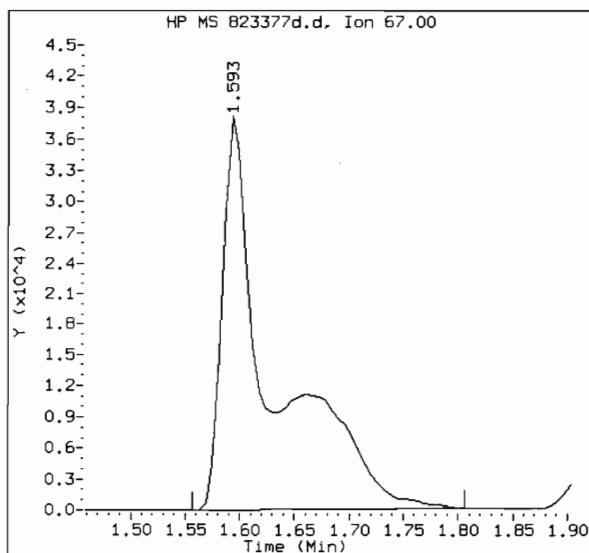
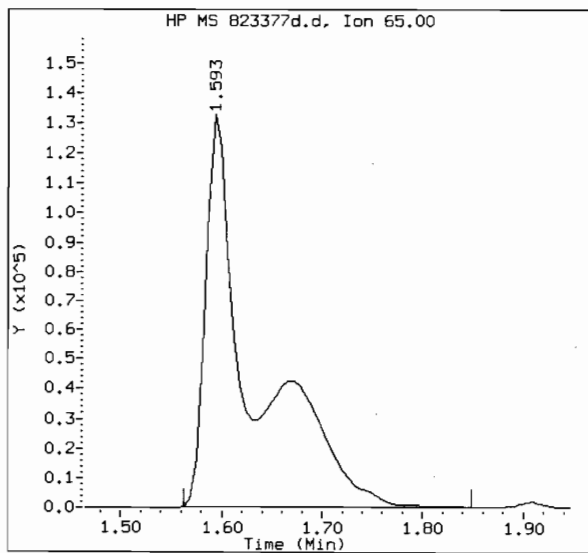
Report Date: 03/29/2010 14:32



Original Integrations:

Area = 247232

Area = 70719



Final Integrations:

Area = 434121

Area = 122158

Manual Integration Reason: MI1 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D5 1.5MEDIUM

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823378
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823378
Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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	41	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	16	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.52	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	2.8	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.20	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.
D5 1.5MEDIUM

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823378

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823378

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	0.69	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	0.72	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.

D5 1.5MEDIUM

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823378

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823378

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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)

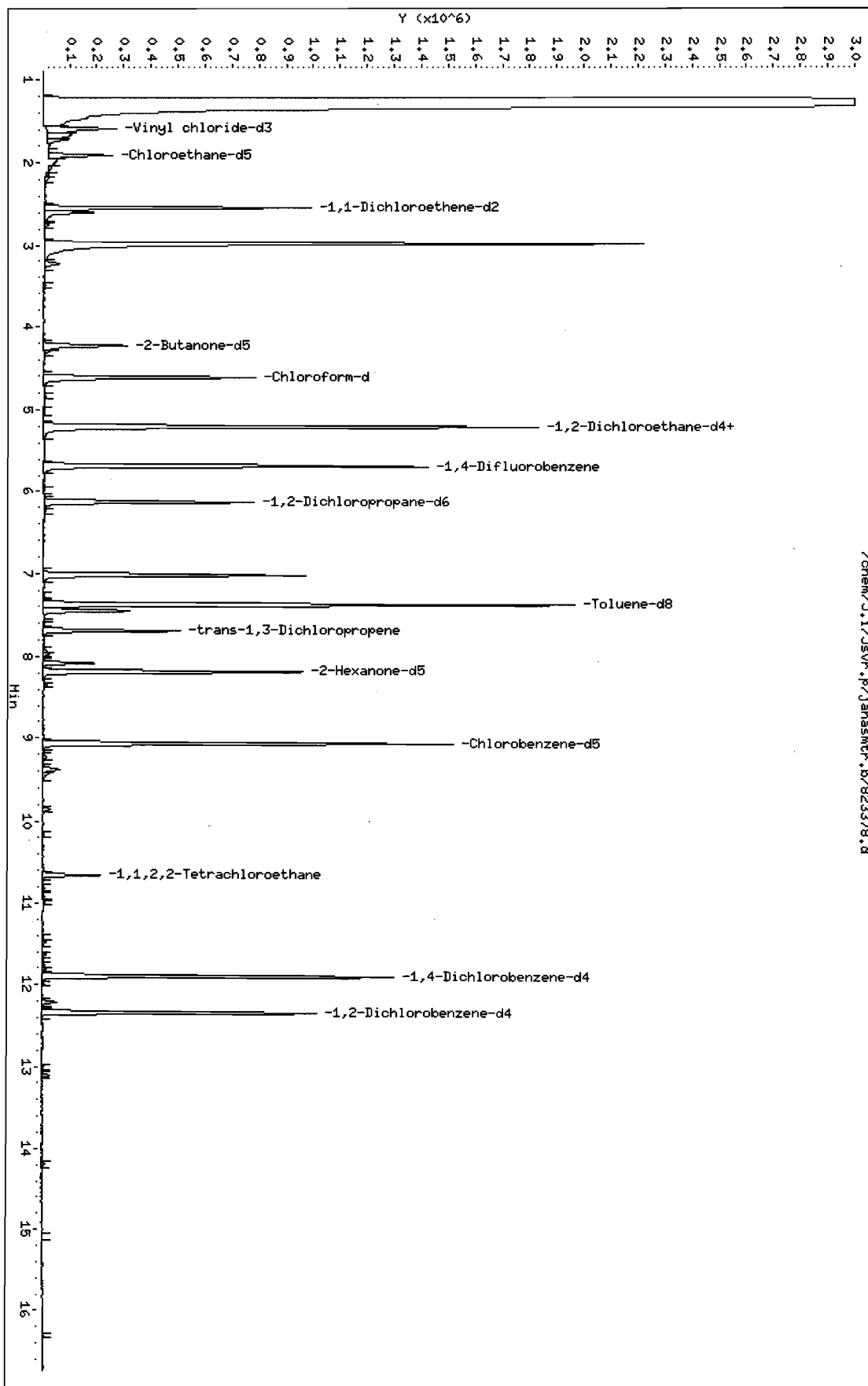
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.02	3.3	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtc.b/823378.d
Date : 26-MAR-2010 14:06
Client ID: D5 1.6MEDIUM
Sample Info: D=5 1.5% MEDIUM : (103/19/10 @130(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: MTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823378.d
Lab Smp Id: 823378 Client Smp ID: D5 1.5MEDIUM
Inj Date : 26-MAR-2010 14:06
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.5% MEDIUM : [] 03/19/10 @1130 (WATER)
Misc Info : 823378,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	472172	4.46396	4.5 (M)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	323634	4.63330	4.6
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	773578	3.64803	3.6
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	223027	41.3216	41
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
-----	----	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	982166	16.2435	16
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.229	3.236	(0.568)	49867	0.52342	0.52
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	507844	51.6351	52
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.300	4.300	(0.757)	27323	2.75373	2.8(a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	688484	4.84147	4.8(Q)
24 Chloroform	83	4.635	4.635	(0.816)	27281	0.20458	0.20(aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	267855	5.04455	5.0
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1535521	4.61696	4.6
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1180925	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	380698	4.64404	4.6
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	7.366	7.366	(0.813)	1380667	4.56496	4.6
41 Toluene	91	7.445	7.445	(0.821)	251808	0.68585	0.69
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	305074	4.80556	4.8
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.078	8.078	(0.891)	48676	0.72445	0.72
\$ 46 2-Hexanone-d5	63	8.175	8.181	(0.902)	366364	50.5764	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	9.064	9.064	(1.000)	875766	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	10.651	10.657	(1.175)	127905	4.95456	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	11.898	11.899	(1.000)	367513	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
=====	----	--	-----	-----	-----		(ug/L)	(ug/L)
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	293140		4.90472	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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823378.d
 Lab Smp Id: 823378 Client Smp ID: D5 1.5MEDIUM
 Inj. Date : 26-MAR-2010 14:06
 Operator : MTP Inst ID: J.i
 Smp Info : D=5 1.5% MEDIUM :[]03/19/10 @1130(WATER)
 Misc Info : 823378,032610JT,1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
 Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
 Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2978657	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
7.019	1967384	3.30246638	3.3	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmt.b/823378.d

Page 6

Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM :[103/19/10 @1130(WATER)

Purge Volume: 25.0

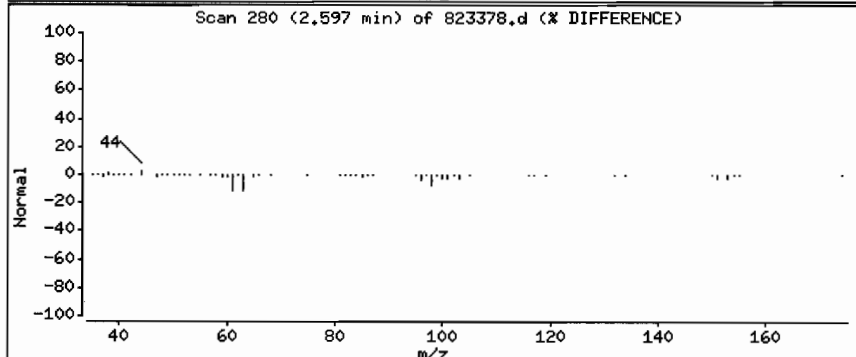
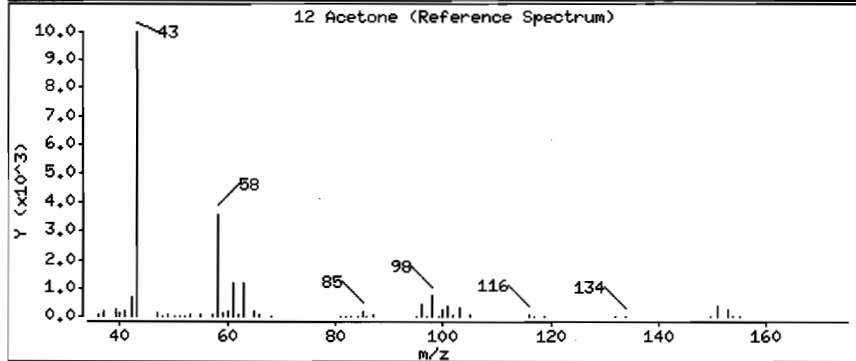
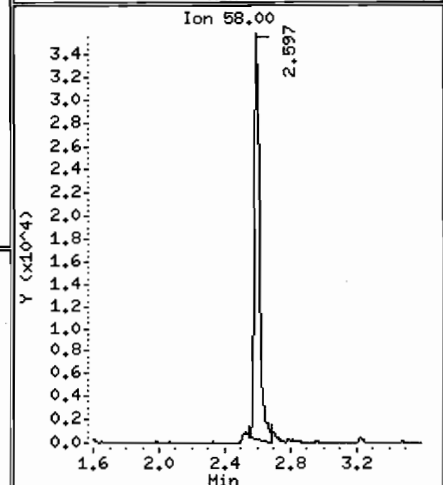
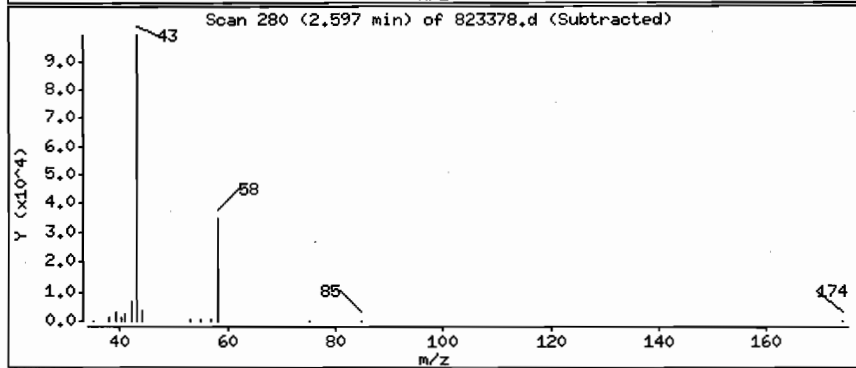
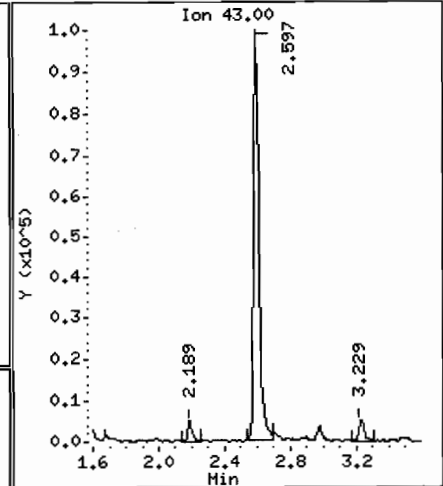
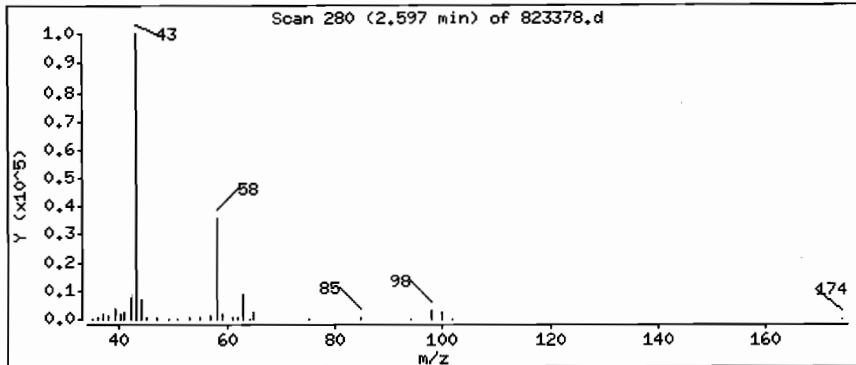
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 41 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823378.d

Page 7

Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM :[103/19/10 @1130(WATER)

Purge Volume: 25.0

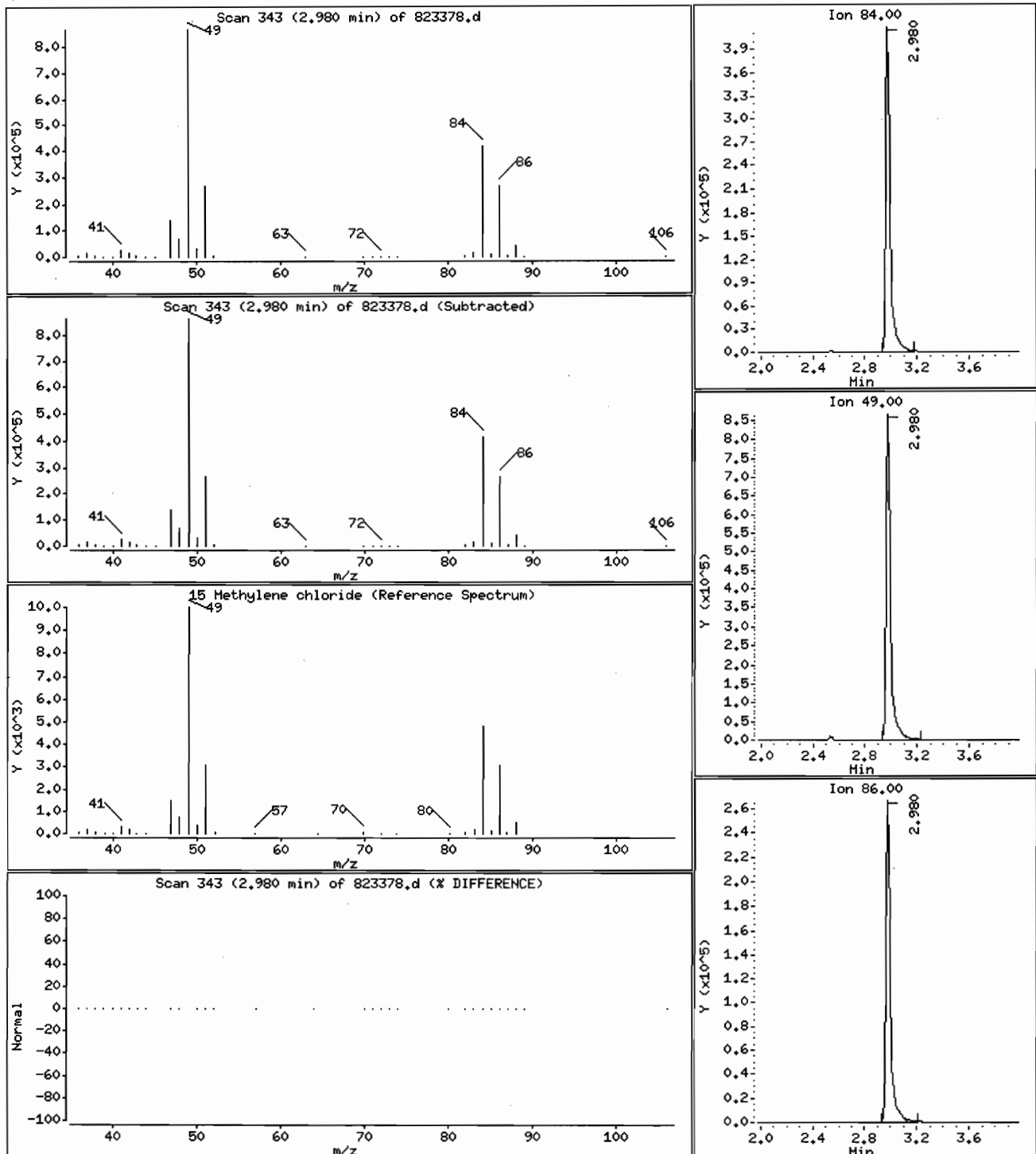
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 16 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.r.b/823378.d

Page 8

Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM ;[103/19/10 @1130(WATER)

Purge Volume: 25.0

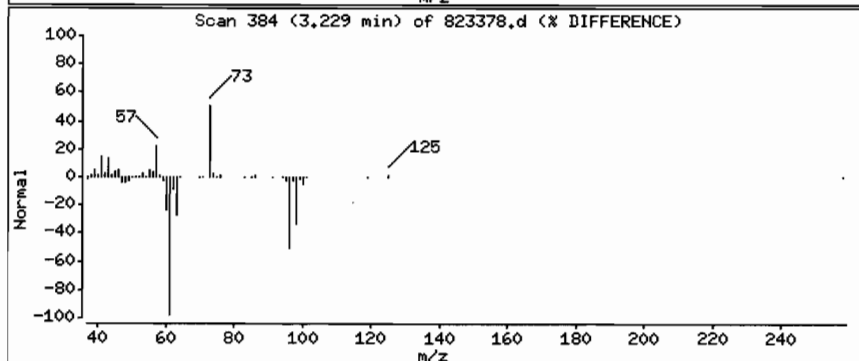
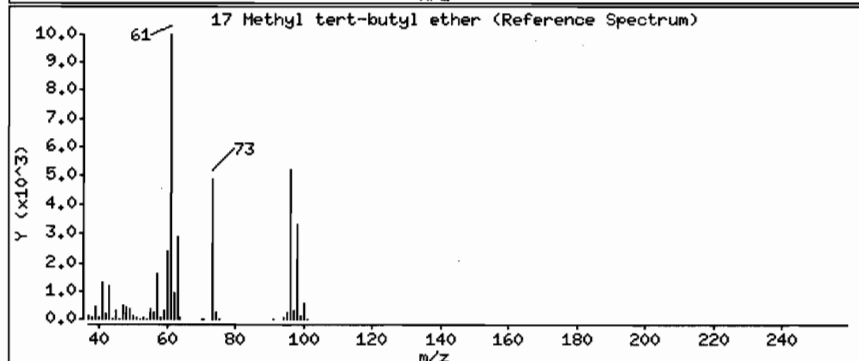
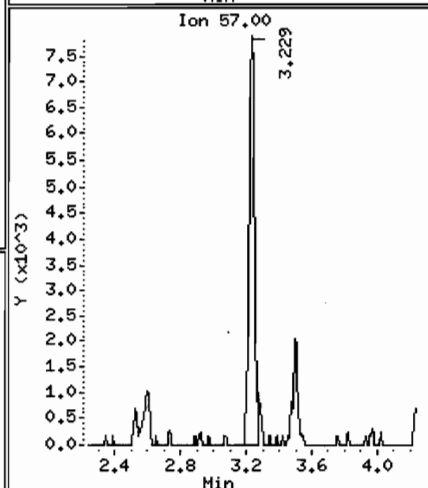
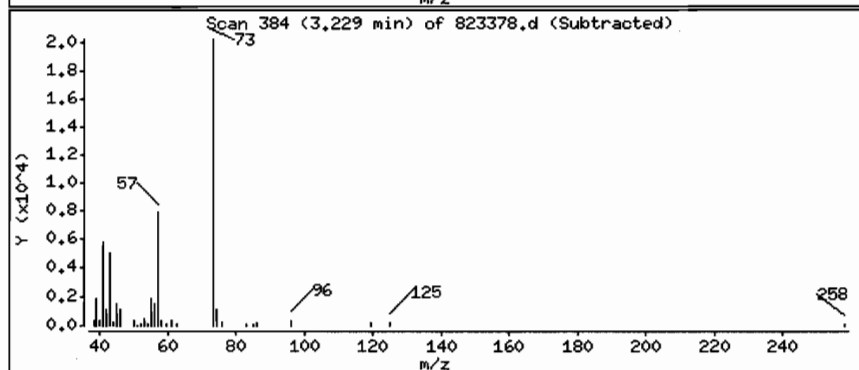
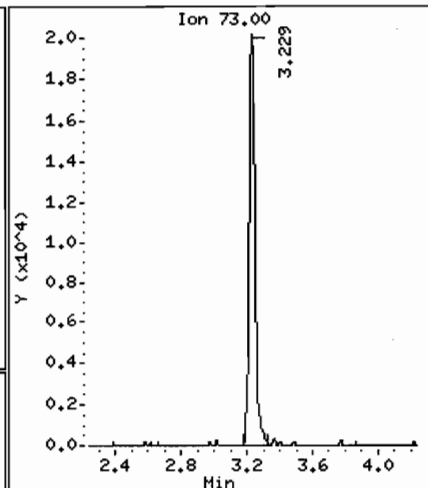
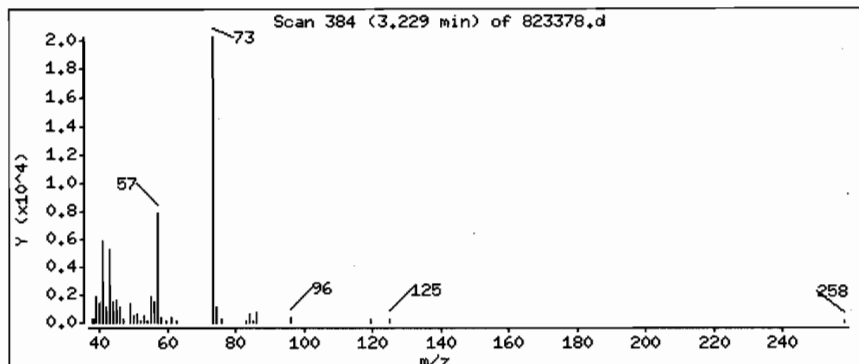
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.52 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.r.b/823378.d

Page 9

Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM ;[103/19/10 @1130(WATER)

Purge Volume: 25.0

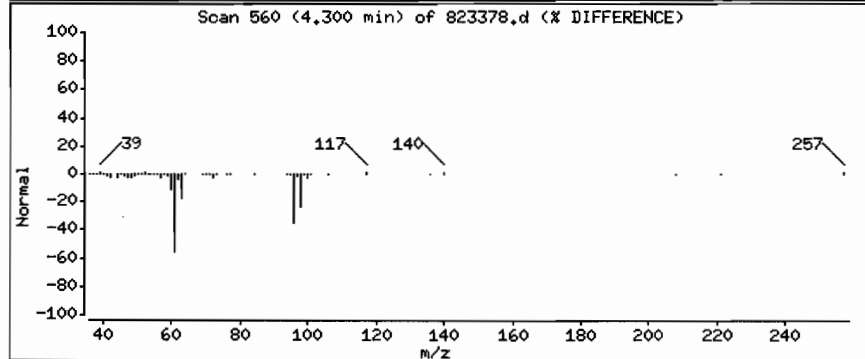
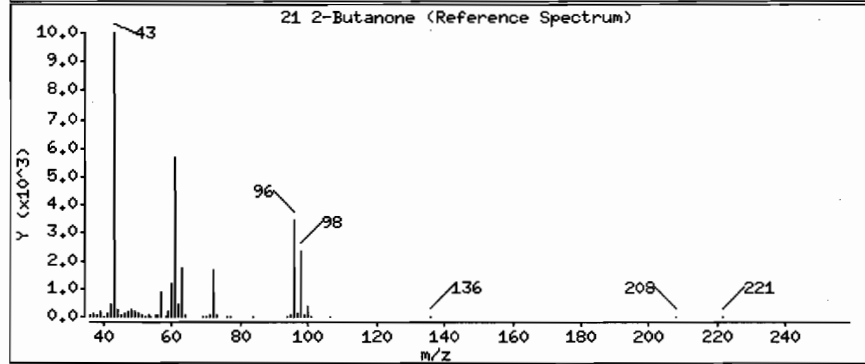
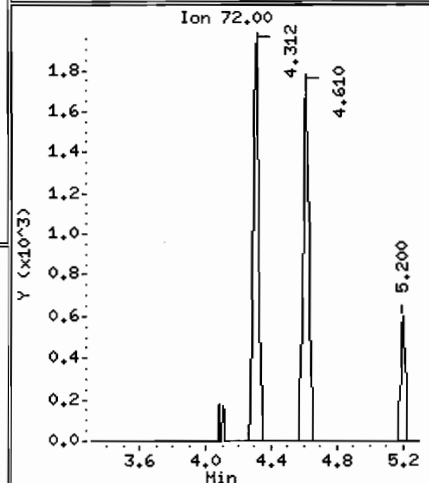
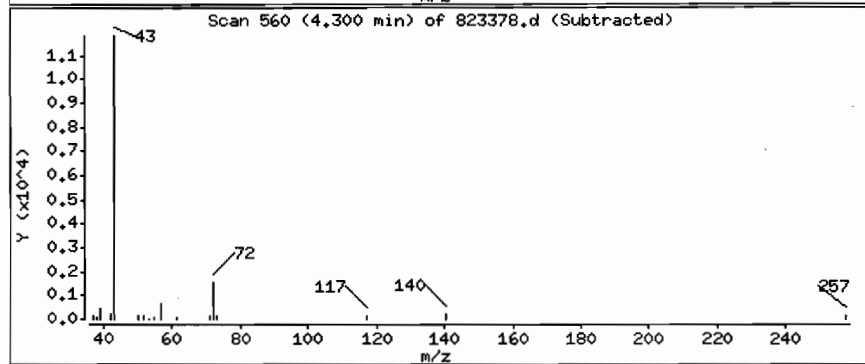
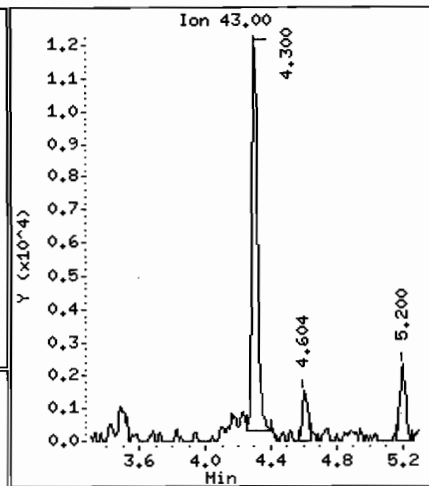
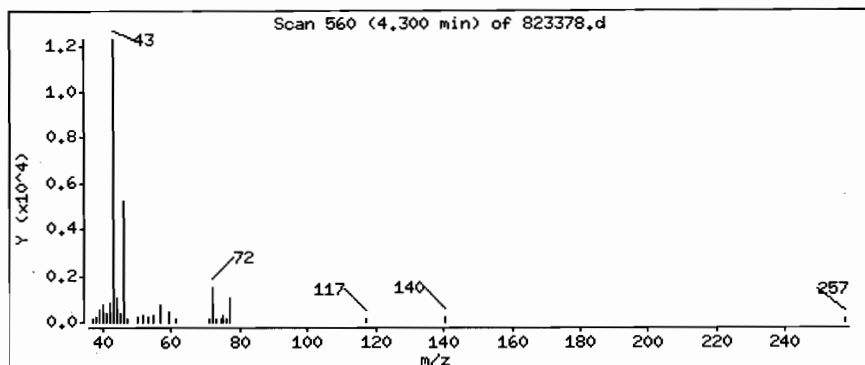
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 2.8 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823378.d

Page 10

Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM ;[103/19/10 @1130(WATER)

Purge Volume: 25.0

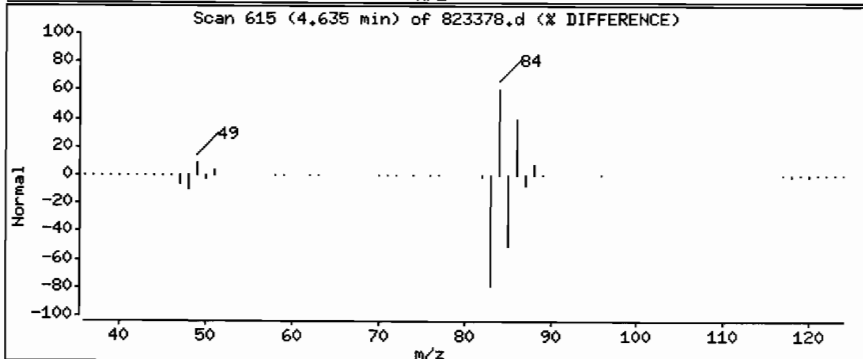
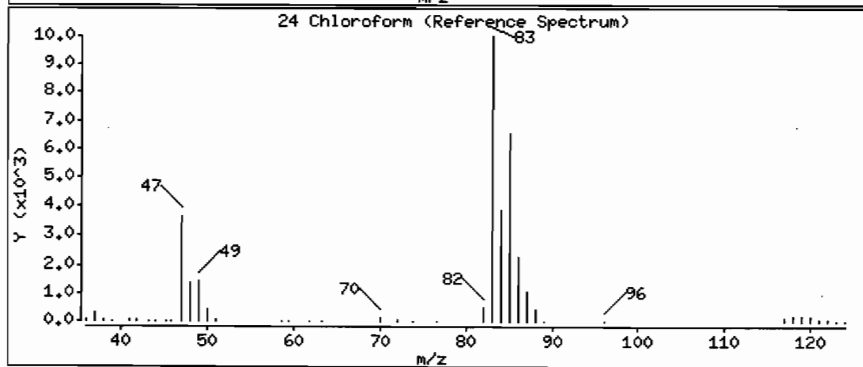
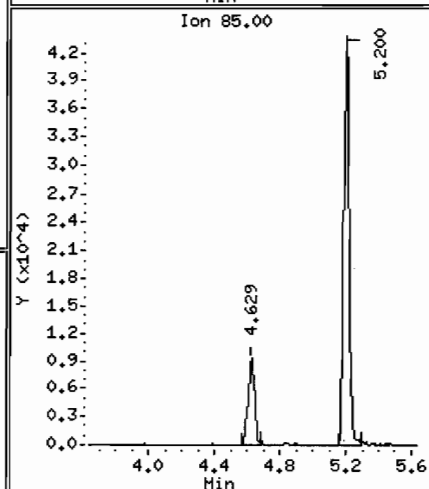
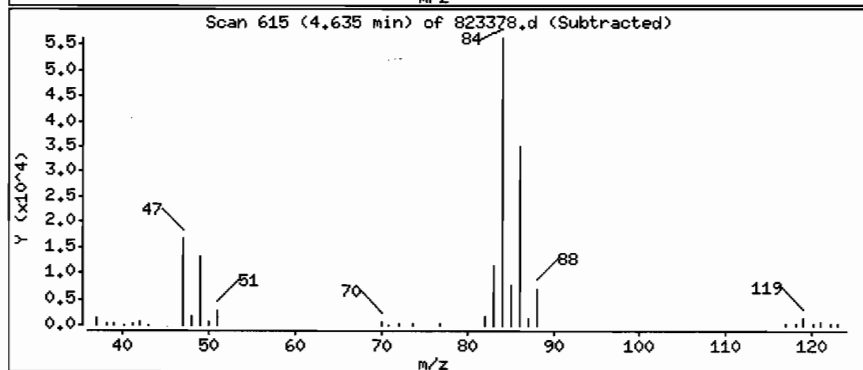
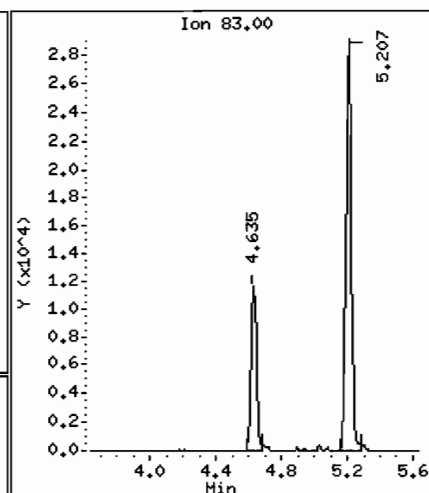
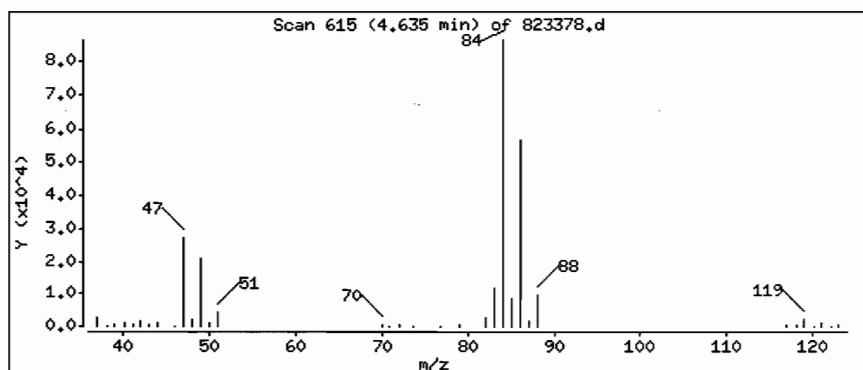
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.20 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823378.d

Page 11

Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM :[103/19/10 @1130(WATER)

Purge Volume: 25.0

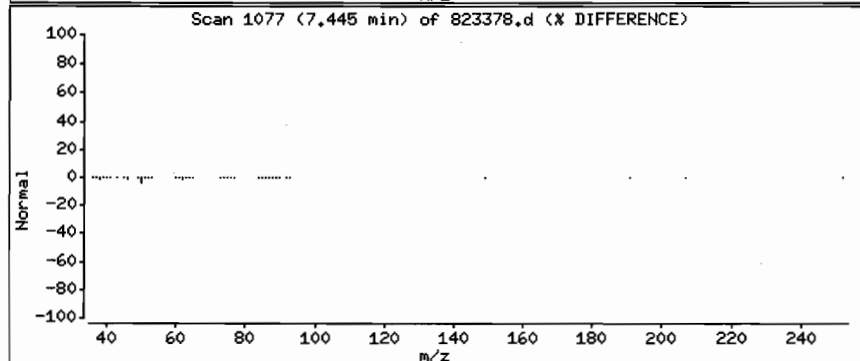
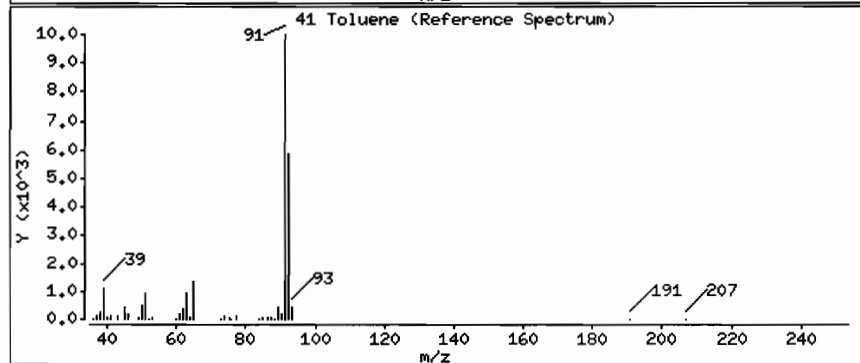
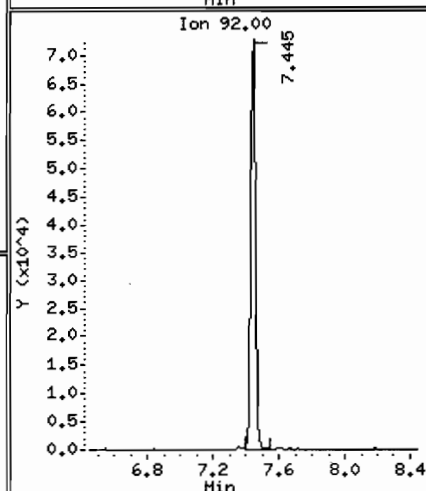
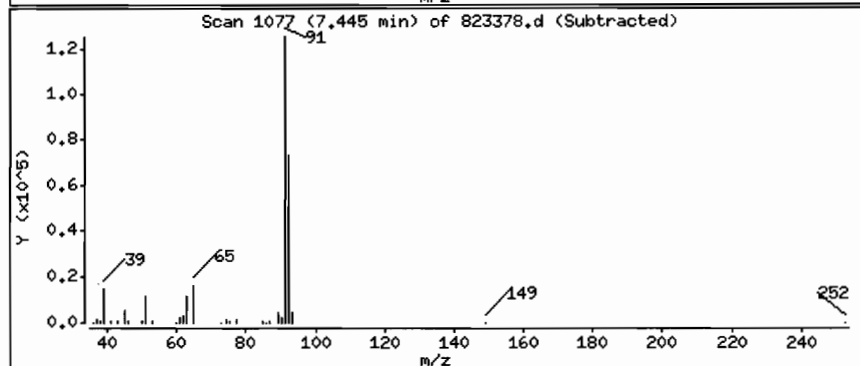
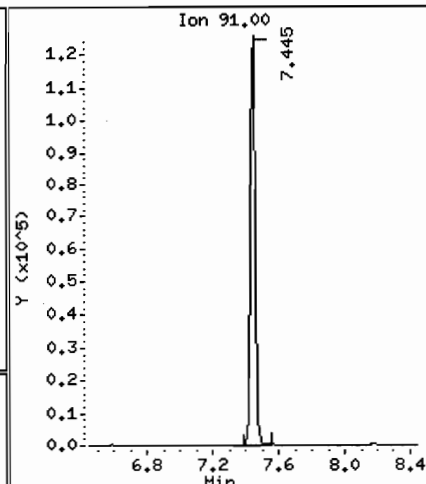
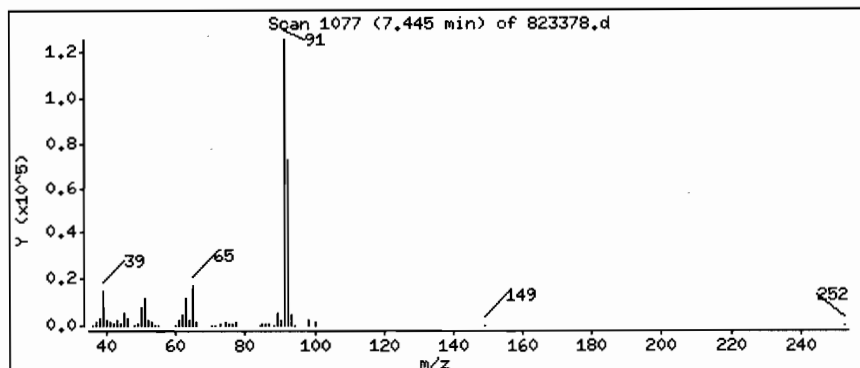
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.69 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823378.d

Page 12

Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM ;[103/19/10 @1130(WATER)

Purge Volume: 25.0

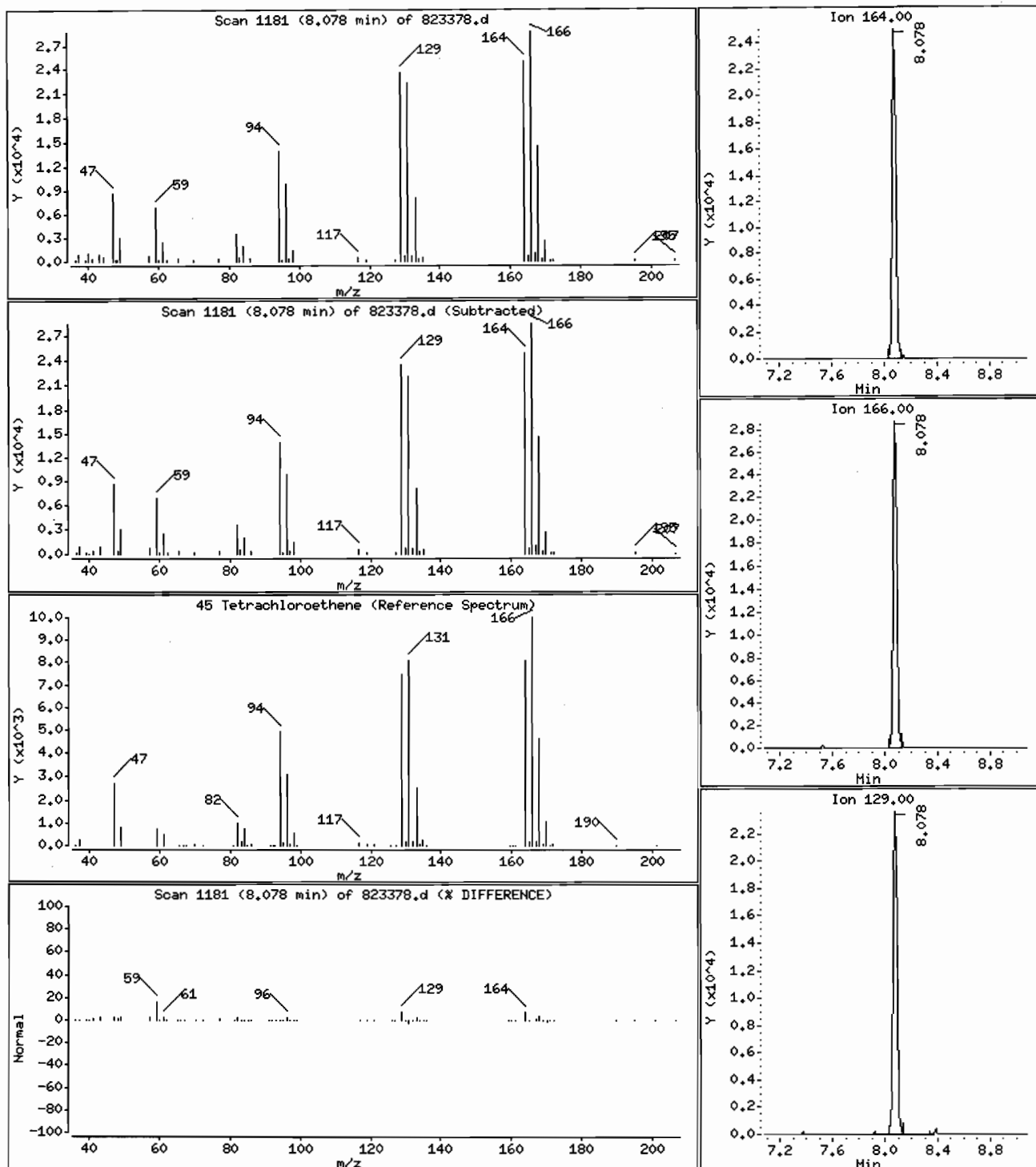
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 0.72 ug/L



Date : 26-MAR-2010 14:06

Client ID: D5 1.5MEDIUM

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM :[103/19/10 @1130(WATER)

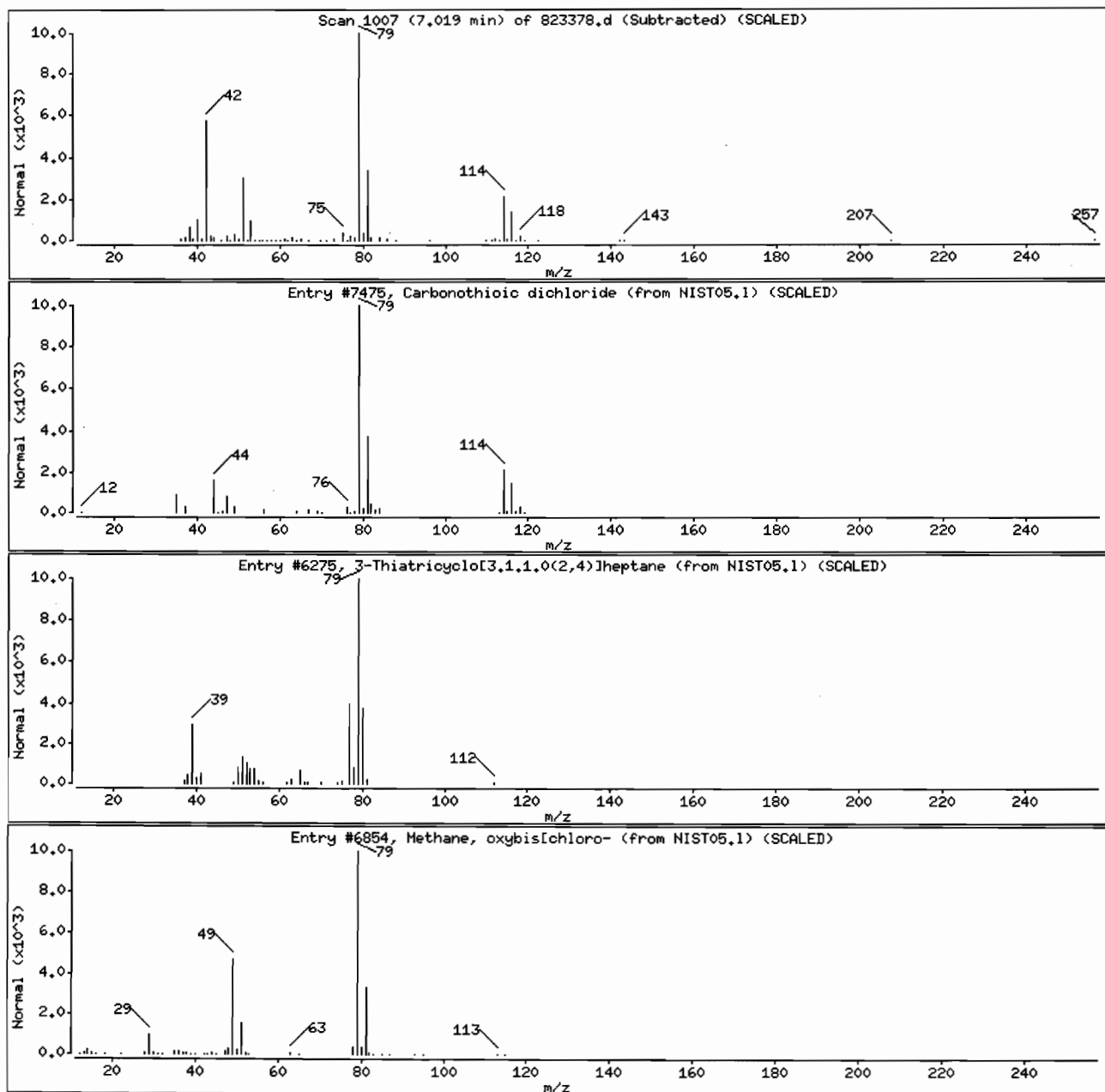
Purge Volume: 25.0

Operator: MTP

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



MANUAL INTEGRATION REPORT

Data File Name: 823378.d

Inj. Date and Time: 26-MAR-2010 14:06

Target Version: Target 3.50

Client Sample ID: D5 1.5MEDIUM

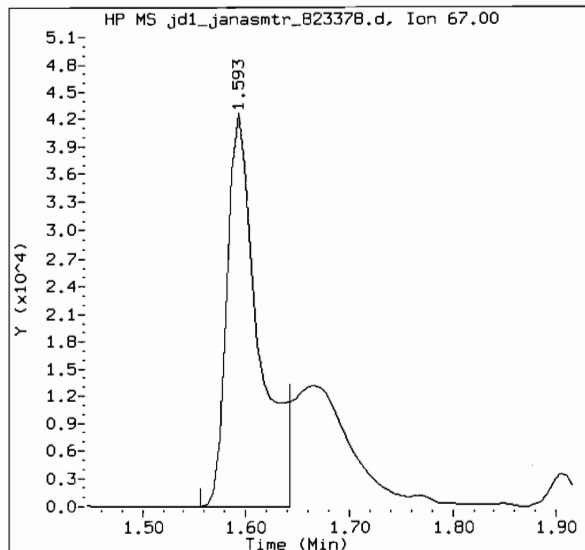
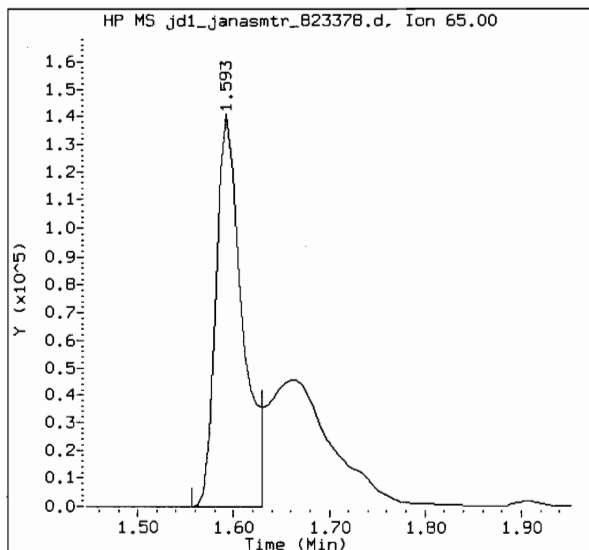
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

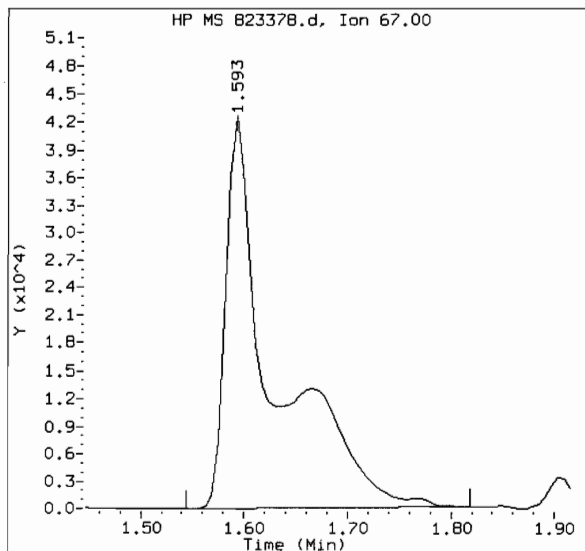
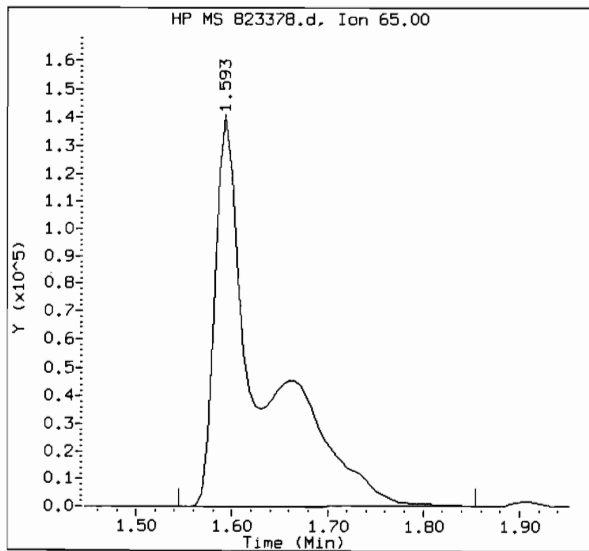
Report Date: 03/29/2010 14:31



Original Integrations:

Area = 267651

Area = 90706



Final Integrations:

Area = 472172

Area = 139065

Manual Integration Reason: MI1 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
D51.5MEDIUMD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823379
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823379
Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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	45	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	16	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.54	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.2	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.22	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.

D51.5MEDIUMD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823379

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823379

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	0.67	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	0.74	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.

D51.5MEDIUMD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823379

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823379

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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)

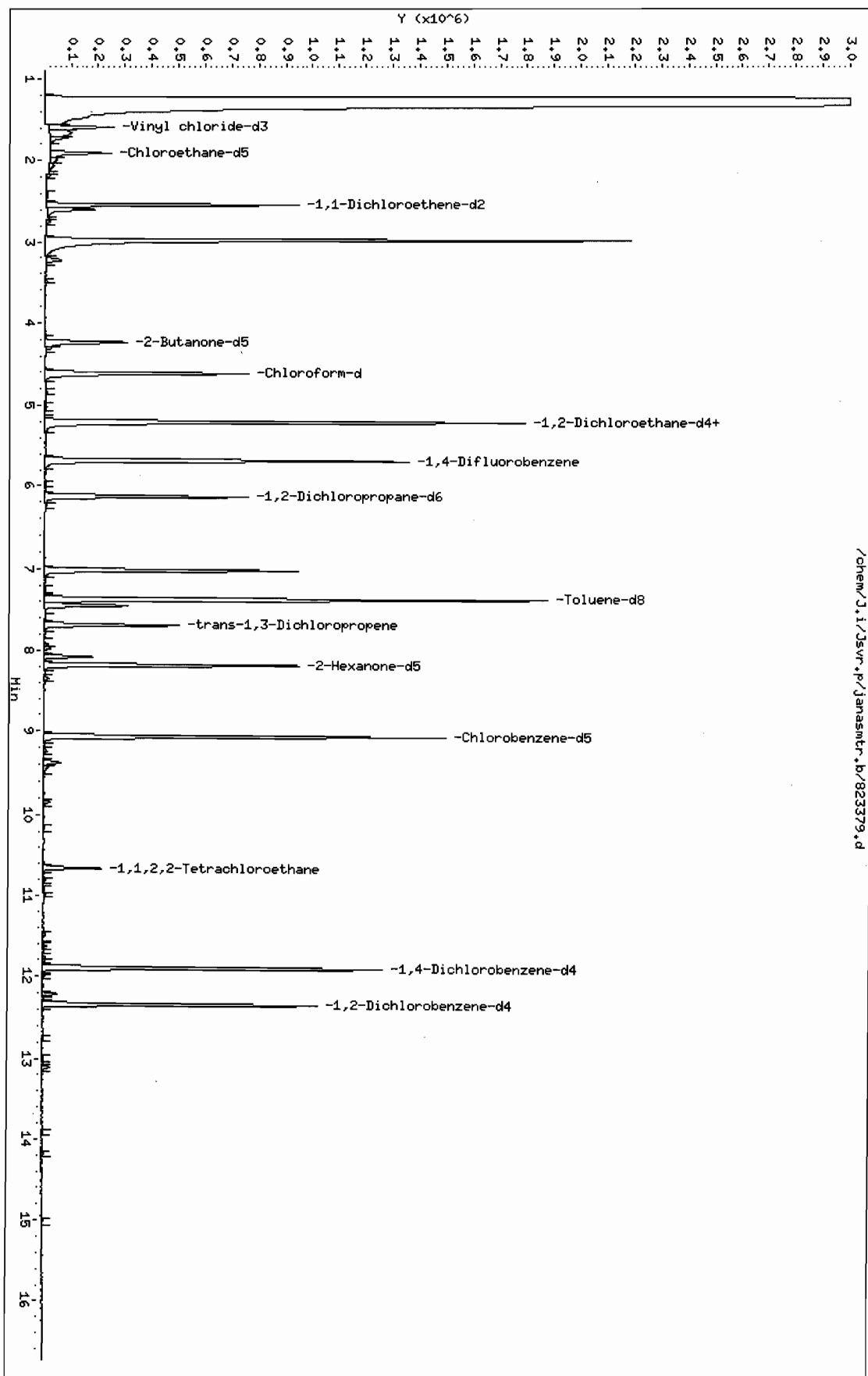
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	=====	=====	=====	=====	=====
01		Unknown	7.02	3.3	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
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/janasmttr.b/823379.d
Date: 26-MAR-2010 14:34
Client ID: D51,SHEDIUMD
Sample Info: D=5 1.5% MEDIUM-D : [103/19/10 01130(WATER)]
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823379.d
Report Date: 29-Mar-2010 14:31

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823379.d
Lab Smp Id: 823379 Client Smp ID: D51.5MEDIUMD
Inj Date : 26-MAR-2010 14:34
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.5% MEDIUM-D :[]03/19/10 @1130(WATER)
Misc Info : 823379,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	450705	4.45817	4.5 (M)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	311103	4.65998	4.7
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	745901	3.68027	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	229902	44.5663	45
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	947007	16.3867	16
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.235	3.236	(0.570)	49447	0.54302	0.54
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	494617	52.6171	53
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.300	4.300	(0.757)	30354	3.20076	3.2 (a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	679183	4.99705	5.0 (Q)
24 Chloroform	83	4.635	4.635	(0.816)	28238	0.22156	0.22 (aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	265517	5.23190	5.2
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1479356	4.53145	4.5
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1128700	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	365108	4.53735	4.5
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	7.366	7.366	(0.813)	1361072	4.58453	4.6
41 Toluene	91	7.445	7.445	(0.821)	241182	0.66922	0.67
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	304268	4.88270	4.9
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.078	8.078	(0.891)	48839	0.74050	0.74
\$ 46 2-Hexanone-d5	63	8.175	8.181	(0.902)	365011	51.3341	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	9.064	9.064	(1.000)	859653	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	10.657	10.657	(1.176)	125571	4.95533	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	11.898	11.899	(1.000)	356567	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====		==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152		12.336	12.337	(1.037)	279911	4.82715	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		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.
- M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823379.d
Lab Smp Id: 823379 Client Smp ID: D51.5MEDIUMD
Inj Date : 26-MAR-2010 14:34
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.5% MEDIUM-D :[]03/19/10 @1130(WATER)
Misc Info : 823379,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2872306	5.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
7.019	1912565	3.32931799	3.3	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmr.b/823379.d

Page 6

Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUMD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D ;I 103/19/10 @1130(WATER)

Purge Volume: 25.0

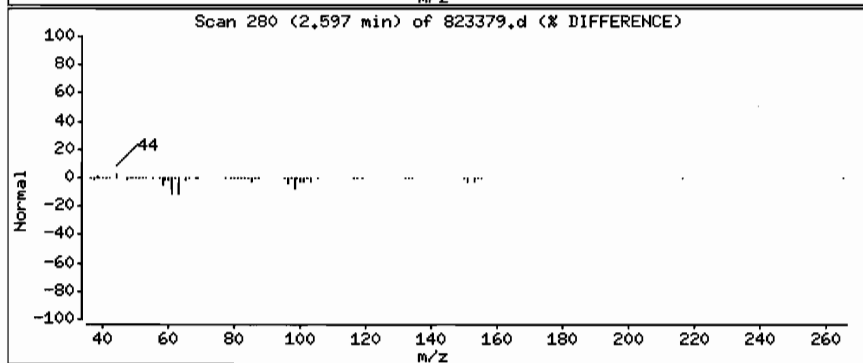
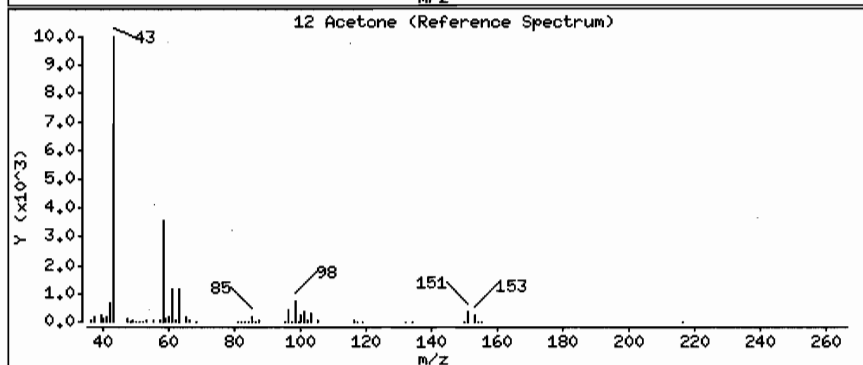
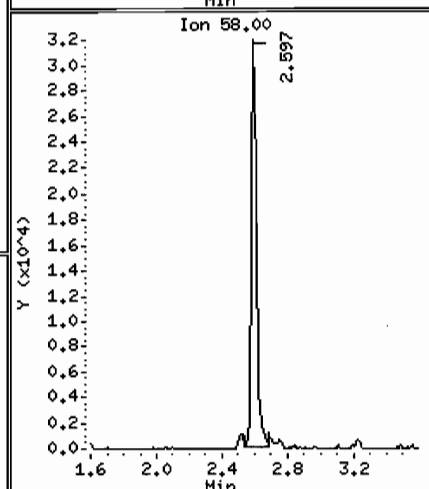
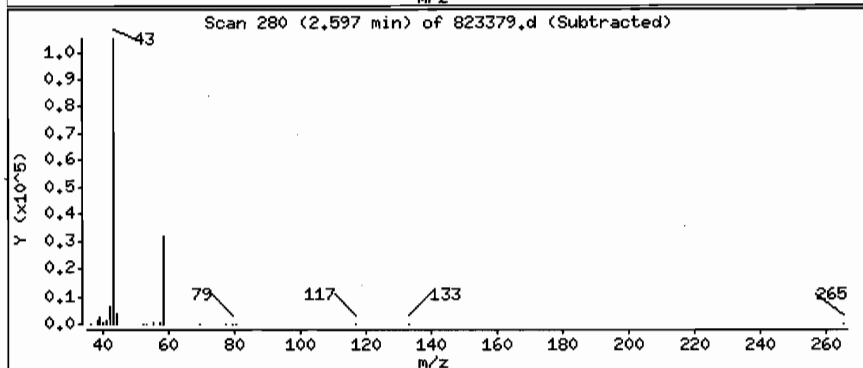
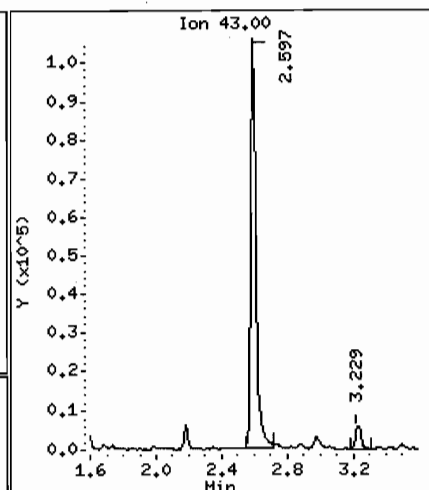
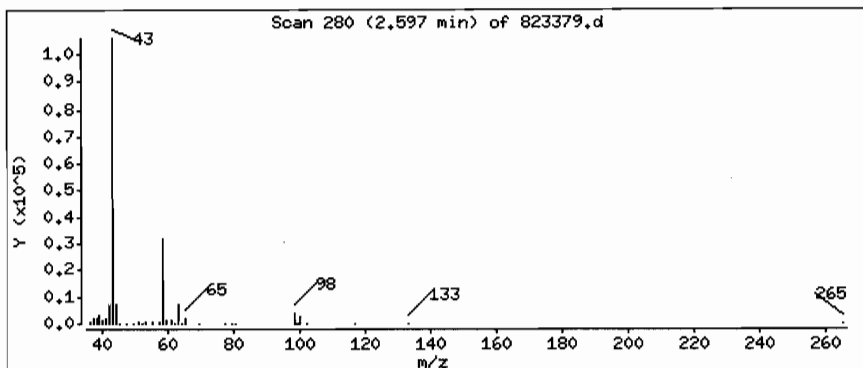
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 45 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823379.d

Page 7

Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUMD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D :[103/19/10 @1130(WATER)

Purge Volume: 25.0

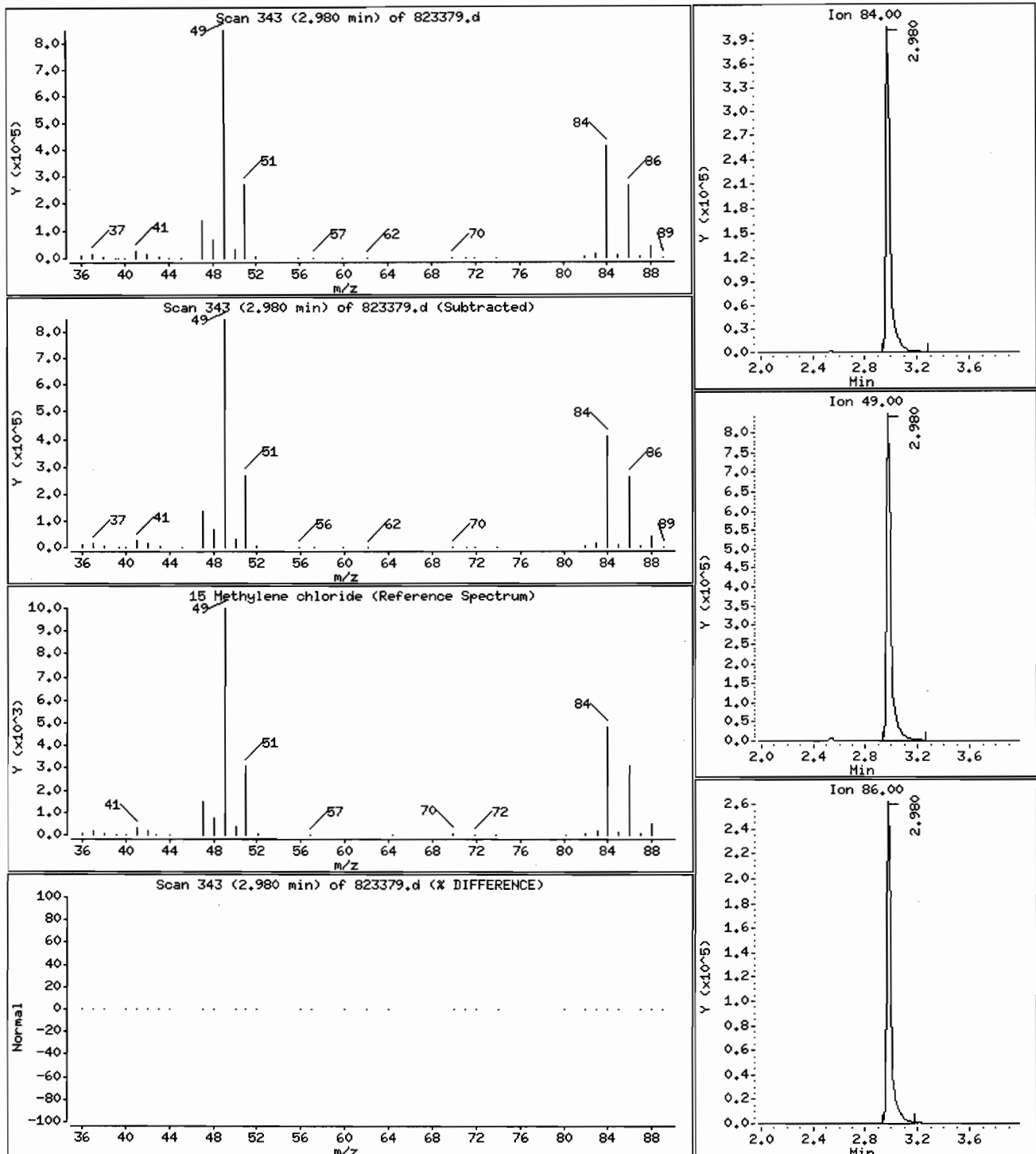
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 16 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823379.d

Page 8

Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUMD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D :I 103/19/10 @1130(WATER)

Purge Volume: 25.0

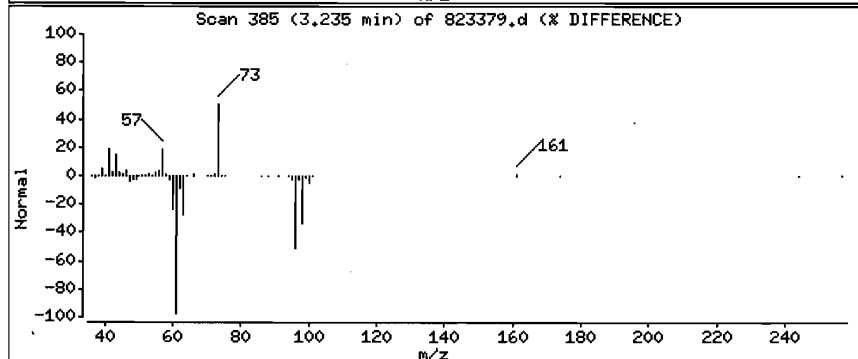
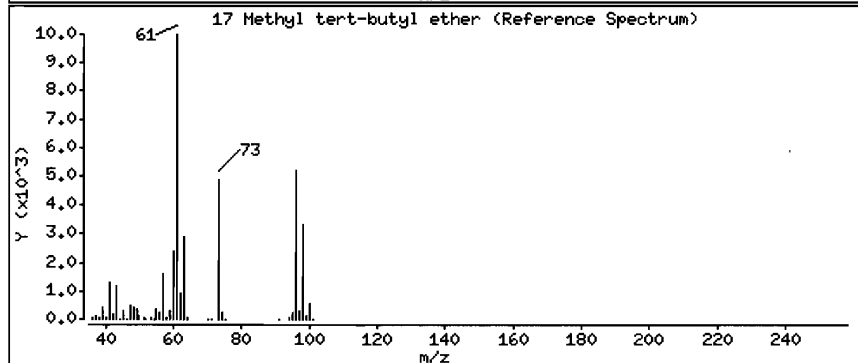
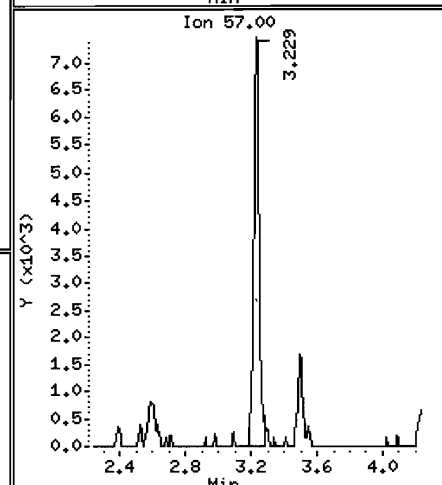
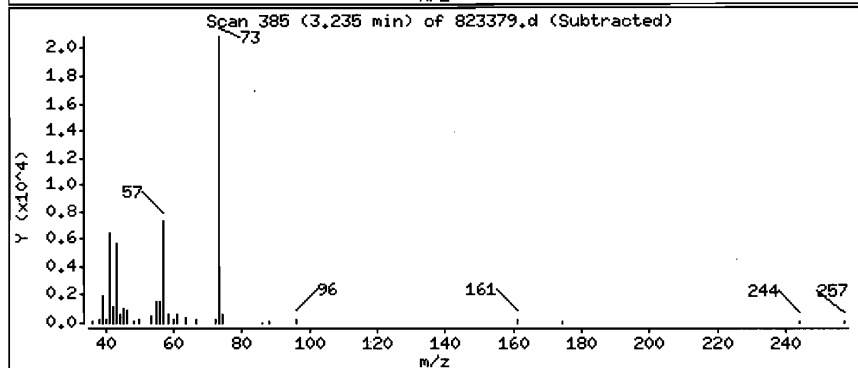
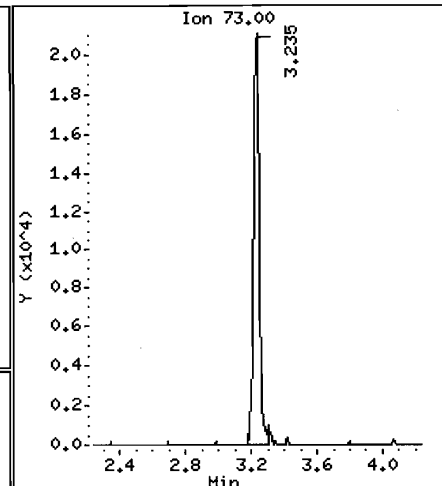
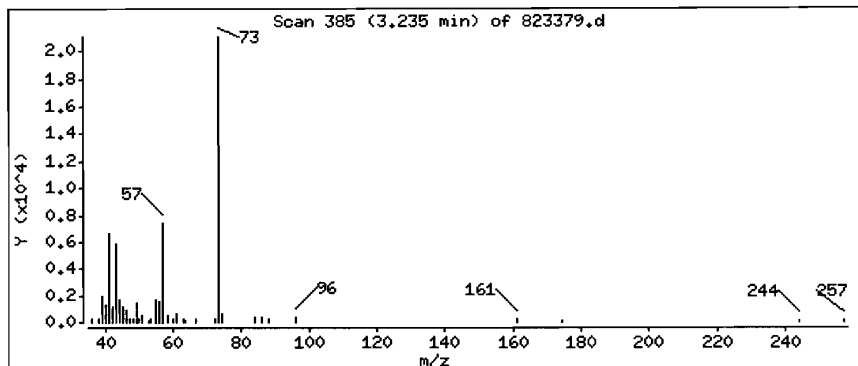
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.54 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823379.d

Page 9

Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUMD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D :[103/19/10 @1130(WATER)

Purge Volume: 25.0

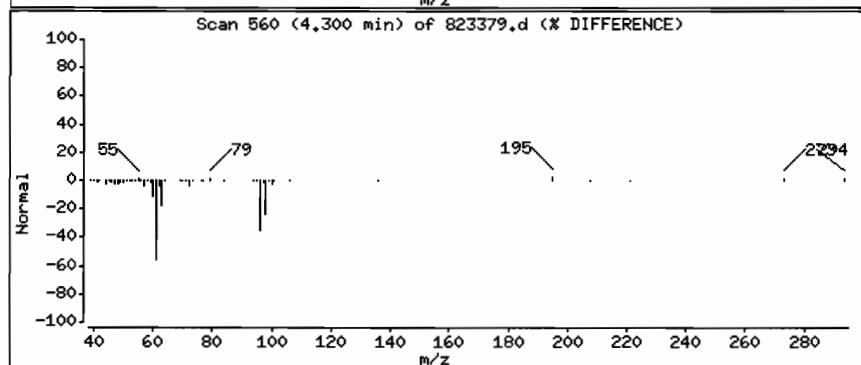
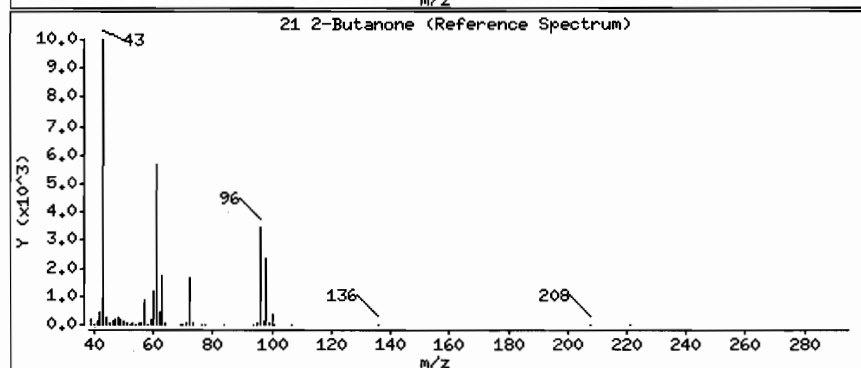
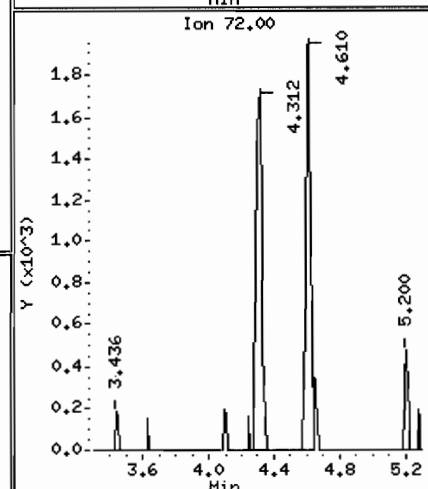
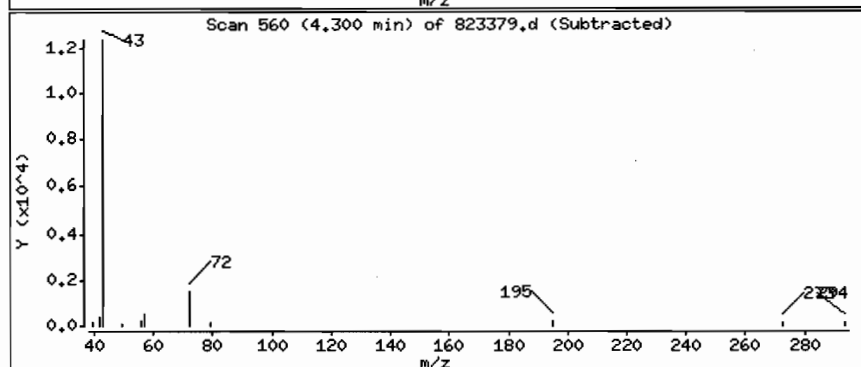
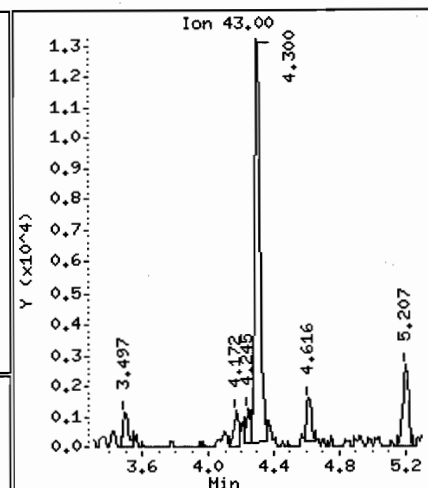
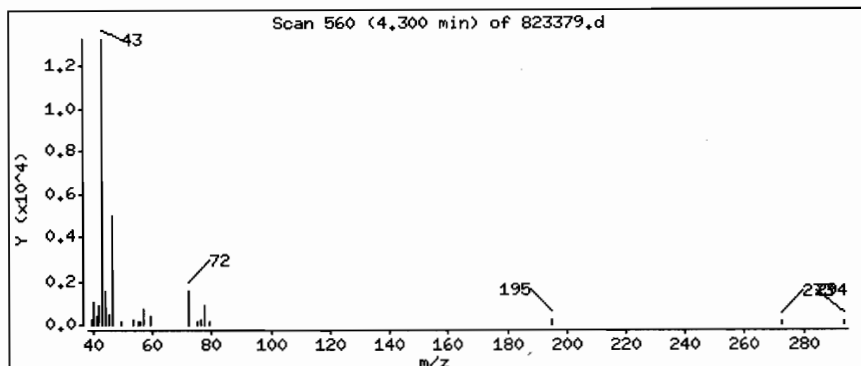
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.2 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.b/823379.d

Page 10

Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUMD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D :I 103/19/10 @1130(WATER)

Purge Volume: 25.0

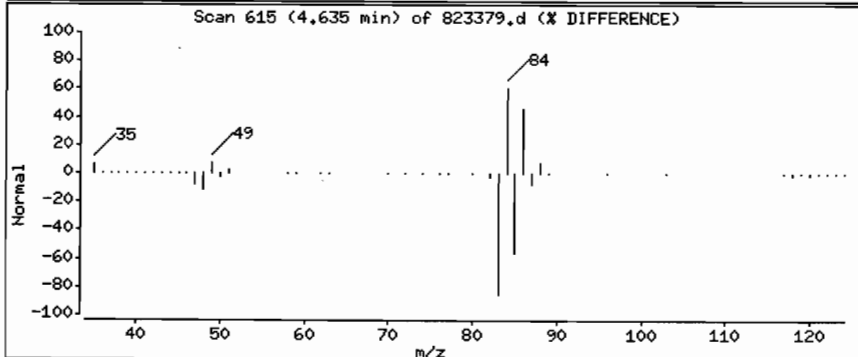
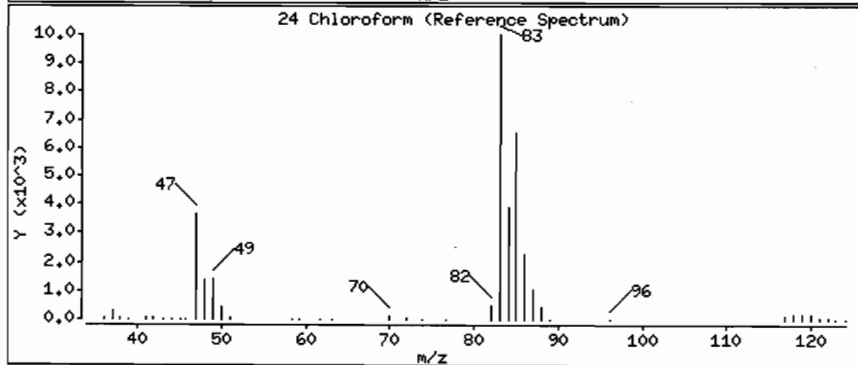
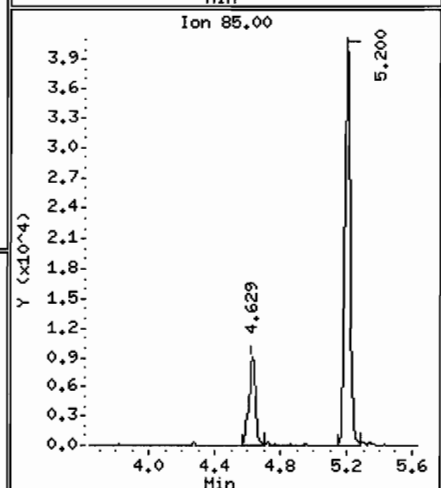
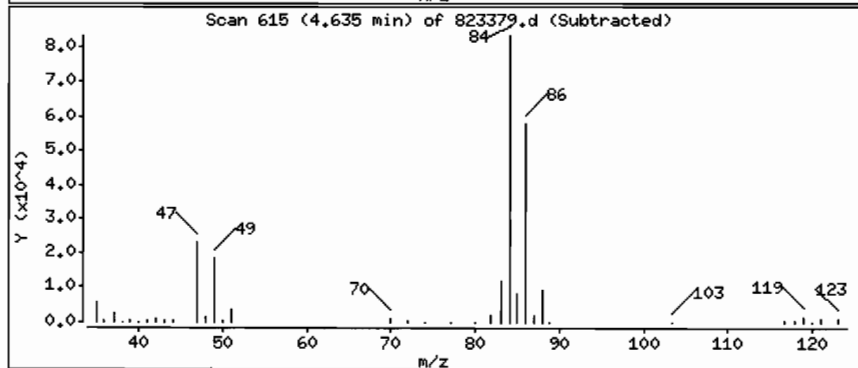
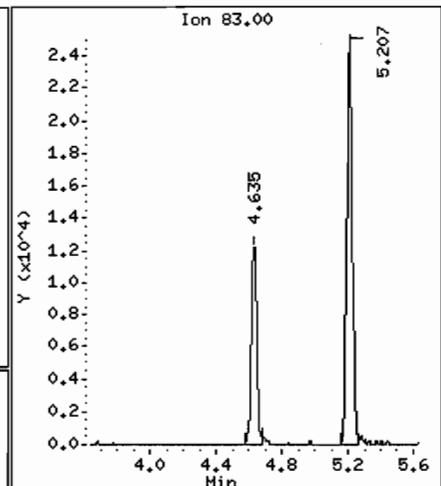
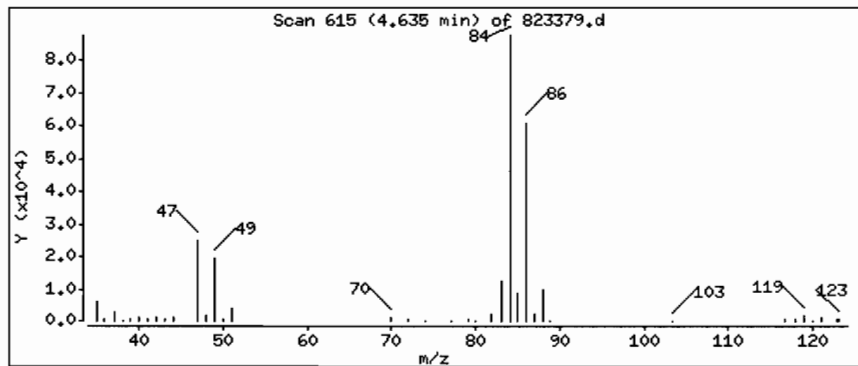
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.22 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.r/823379.d

Page 11

Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUMD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D :[103/19/10 @1130(WATER)

Purge Volume: 25.0

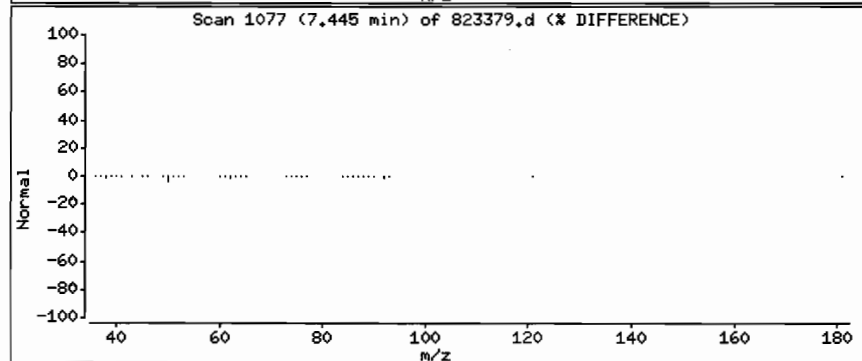
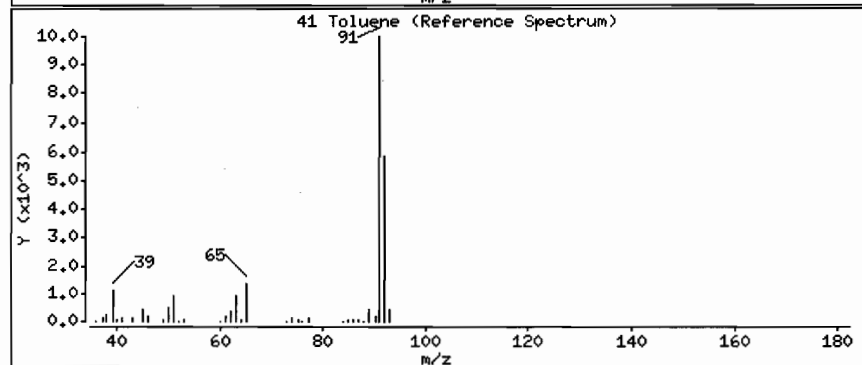
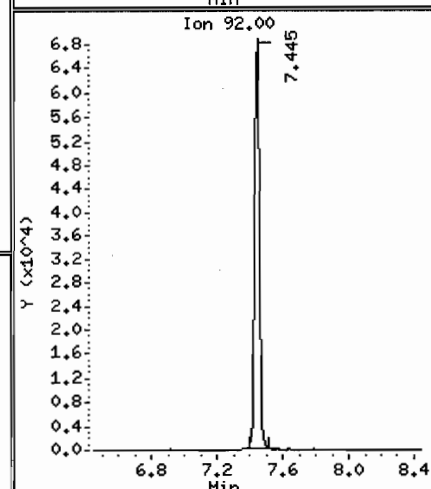
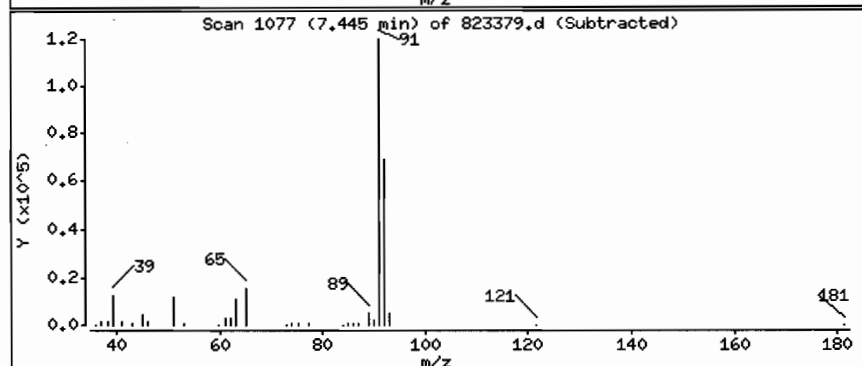
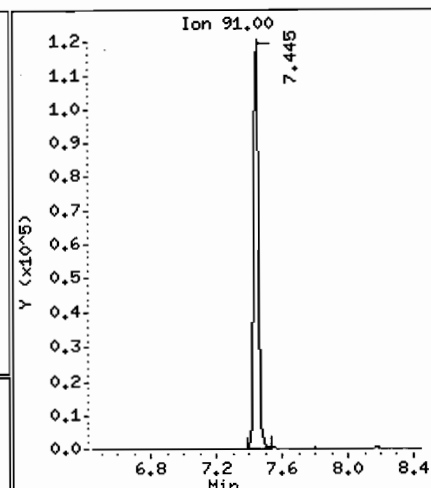
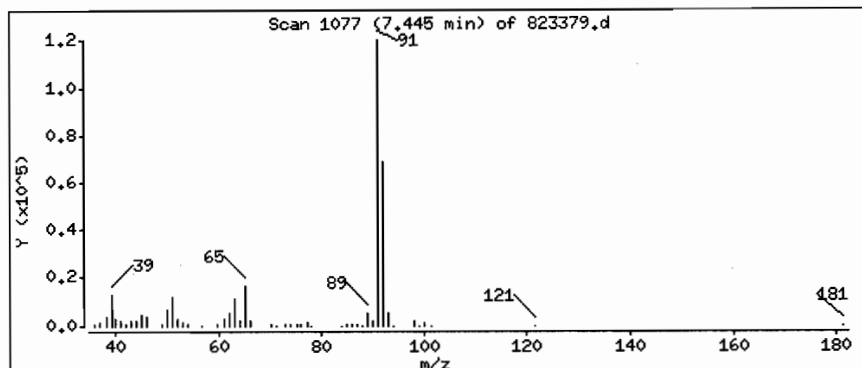
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.67 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823379.d

Page 12

Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUHD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D :I 103/19/10 @1130(WATER)

Purge Volume: 25.0

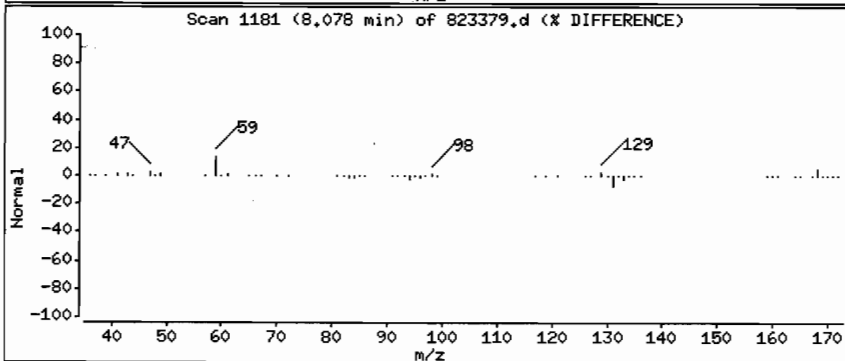
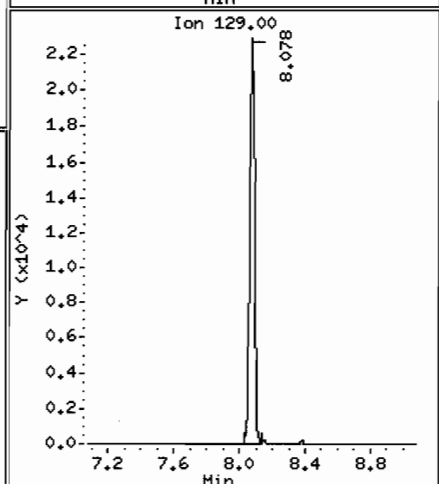
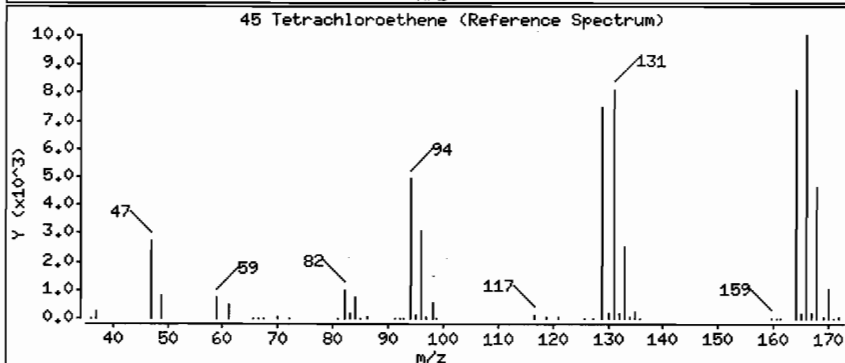
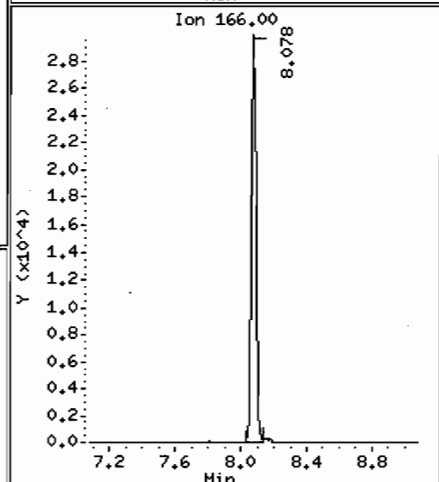
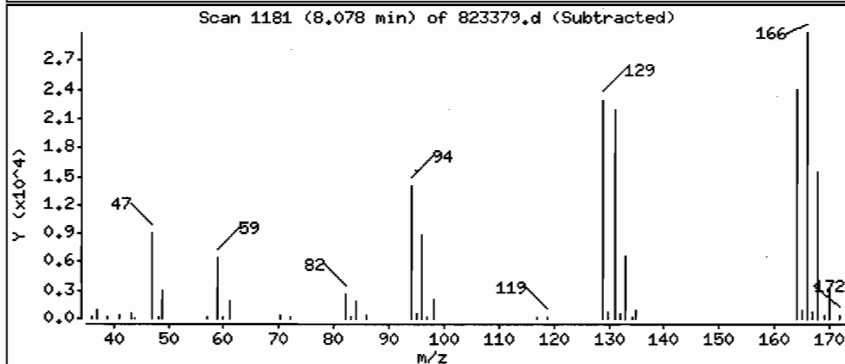
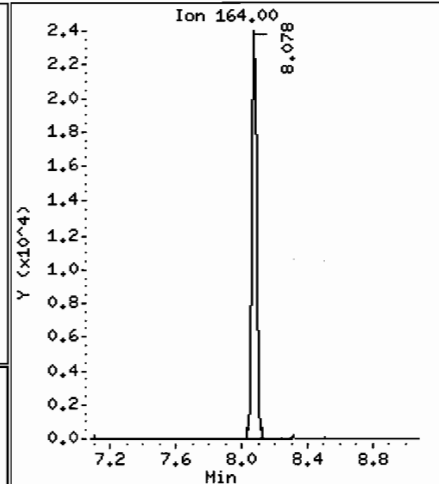
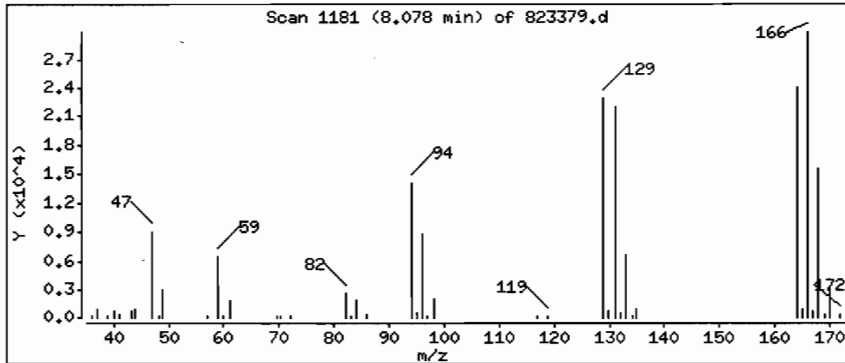
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 0.74 ug/L



Date : 26-MAR-2010 14:34

Client ID: D51.5MEDIUMD

Instrument: J.i

Sample Info: D=5 1.5% MEDIUM-D :[103/19/10 @1130(WATER)

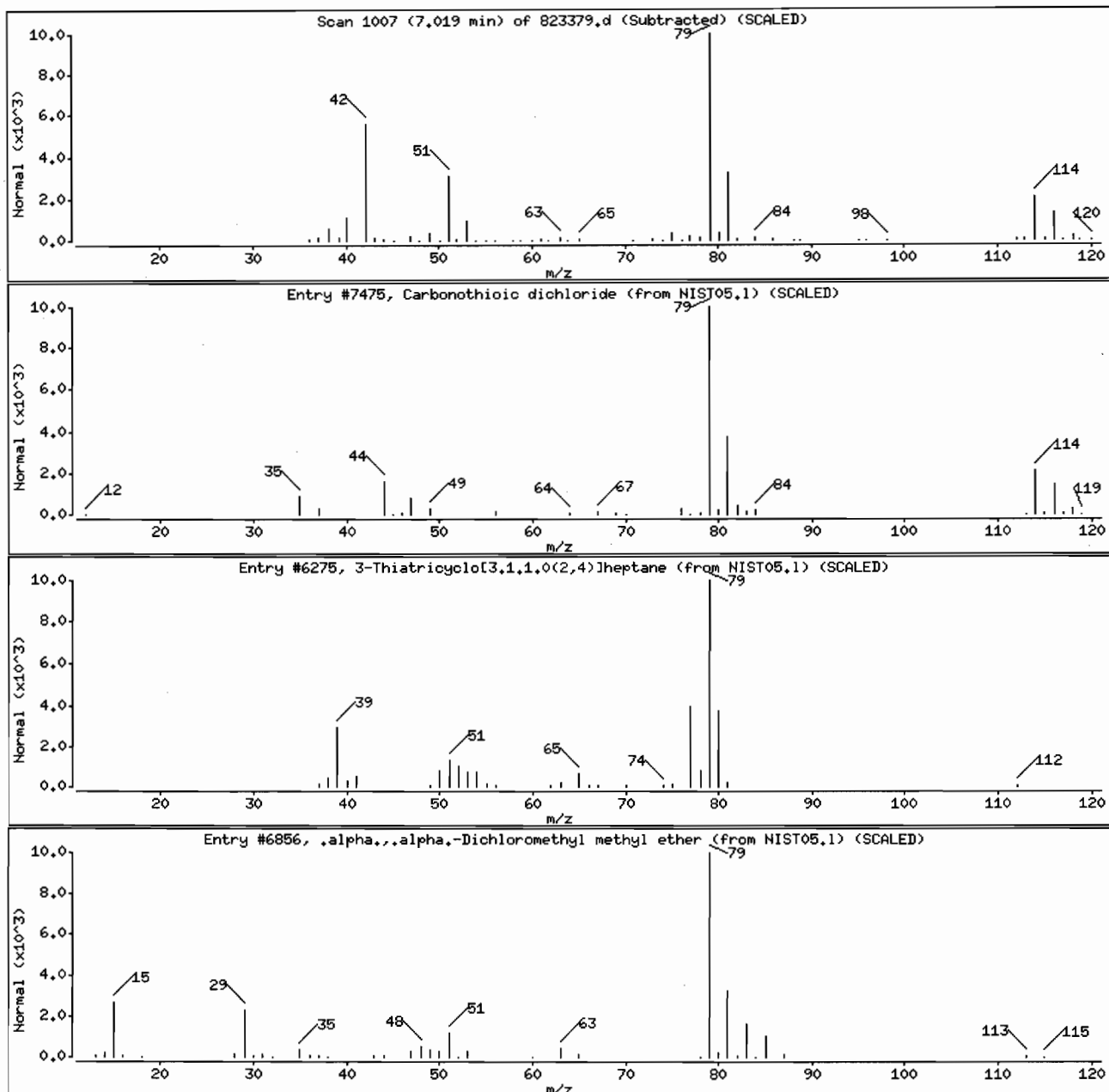
Purge Volume: 25.0

Operator: MTP

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
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	23	C2H4Cl2O	114



MANUAL INTEGRATION REPORT

Data File Name: 823379.d

Inj. Date and Time: 26-MAR-2010 14:34

Target Version: Target 3.50

Client Sample ID: D51.5MEDIUMD

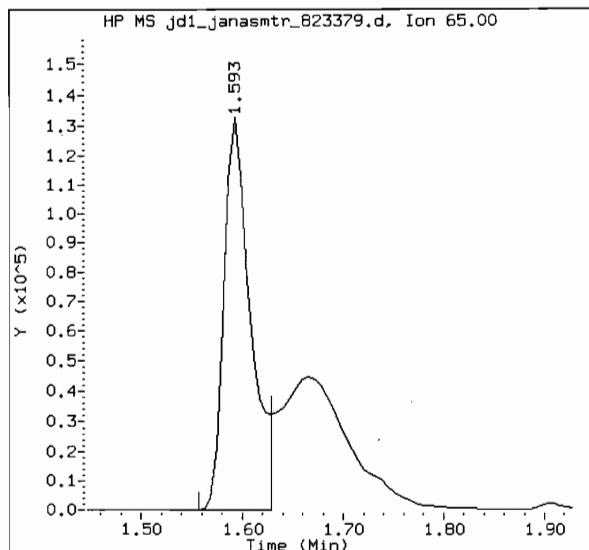
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

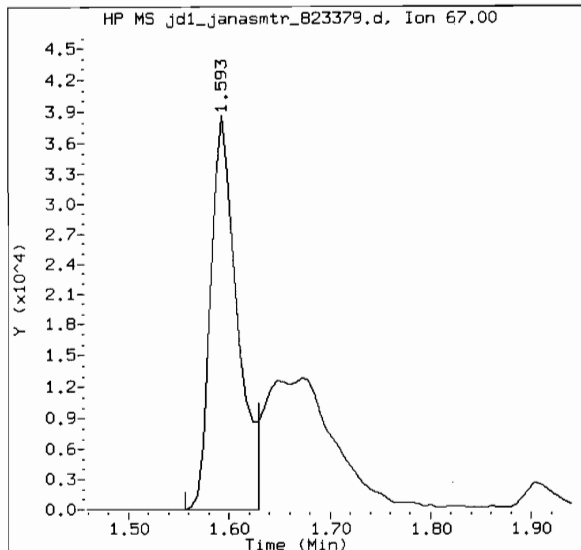
CAS #: 6745-35-3

Report Date: 03/29/2010 14:31

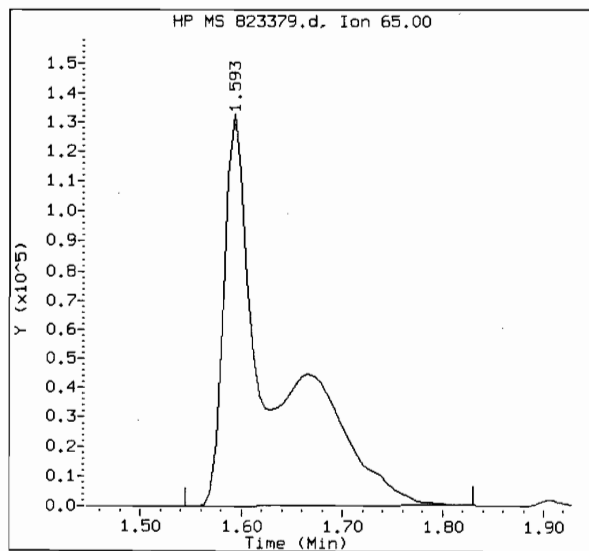


Original Integrations:

Area = 247094



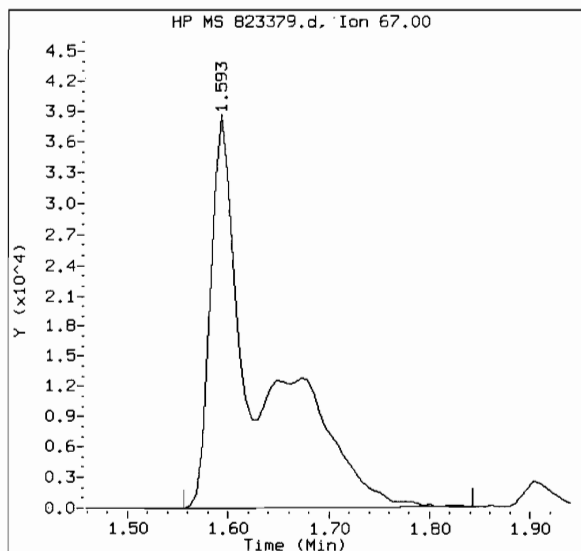
Area = 71778



Final Integrations:

Area = 450705

Manual Integration Reason: M11 - Poor automated baseline



Area = 131089

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D5 1.75HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823380

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823380

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	49	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	17	
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	0.50	U
78-93-3	2-Butanone	4.3	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.20	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.
D5 1.75HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823380
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823380
Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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	0.61	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.
D5 1.75HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823380
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823380
Level: (TRACE or LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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)

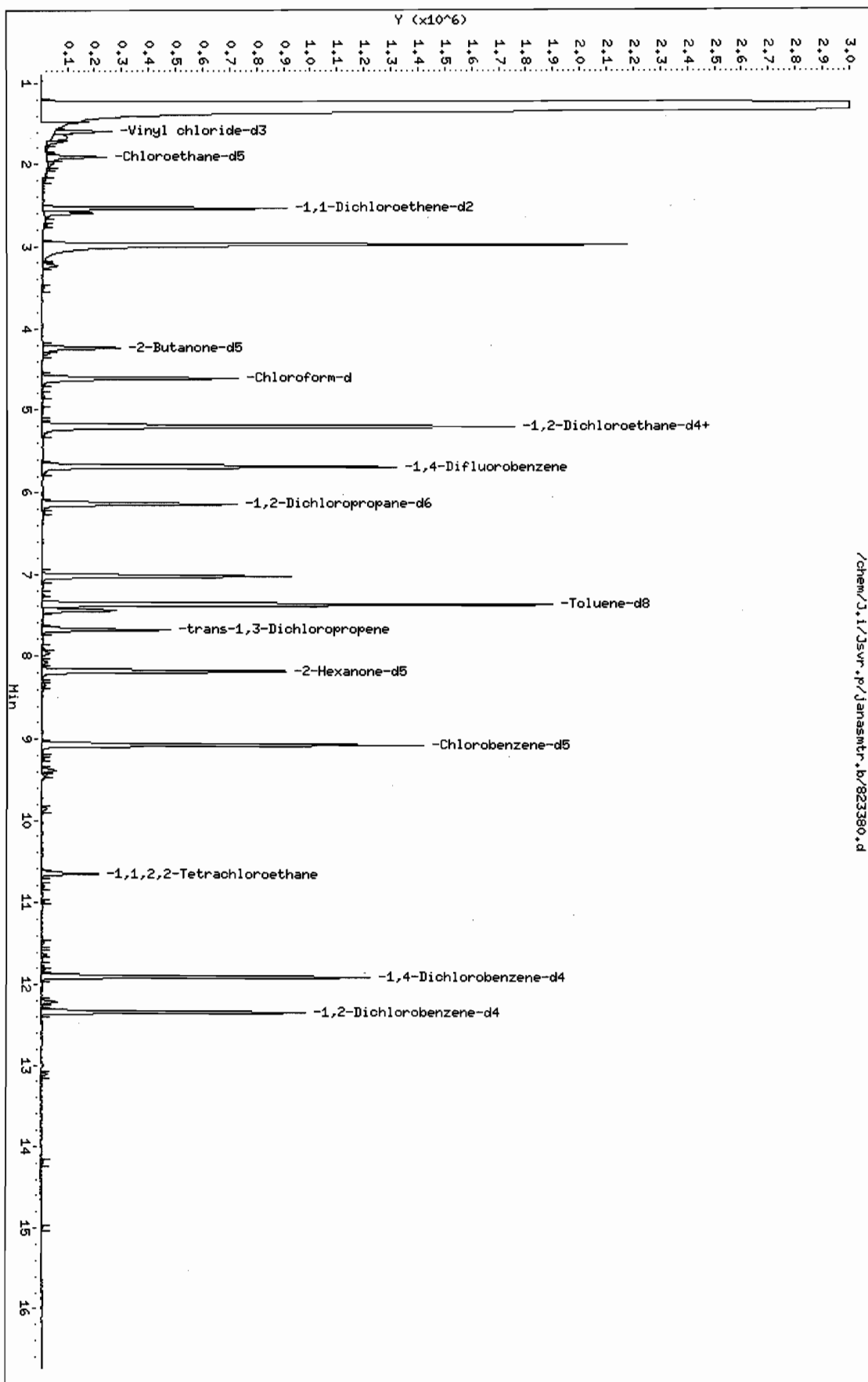
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.02	3.4	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtc.b/823380.d
Date : 26-Mar-2010 15:02
Client ID: D5 1.75HIGH
Sample Info: D=5 1.75% HIGH : (103/19/10 @1195(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823380.d
Report Date: 29-Mar-2010 14:31

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823380.d
Lab Smp Id: 823380 Client Smp ID: D5 1.75HIGH
Inj Date : 26-MAR-2010 15:02
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.75% HIGH :[]03/19/10 @1155(WATER)
Misc Info : 823380,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	448831	4.56485	4.6 (M)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	302283	4.65558	4.7
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	723648	3.67118	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	244782	48.7891	49
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	951539	16.9296	17
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.229	3.236	(0.568)	52847	0.59673	0.60
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	478455	52.3335	52
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.306	4.300	(0.758)	39952	4.33167	4.3(a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	657056	4.97061	5.0(Q)
24 Chloroform	83	4.635	4.635	(0.816)	25211	0.20339	0.20(aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	260654	5.28094	5.3
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1452792	4.71453	4.7
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1097737	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.131	(0.676)	359224	4.72951	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	7.366	7.366	(0.813)	1337947	4.77444	4.8
41 Toluene	91	7.445	7.445	(0.821)	205960	0.60545	0.61
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	293254	4.98561	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	8.175	8.181	(0.902)	347967	51.8451	52
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	811434	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	10.657	10.657	(1.176)	119344	4.98946	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	11.898	11.899	(1.000)	346750	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	273769	4.85489	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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823380.d
Lab Smp Id: 823380 Client Smp ID: D5 1.75HIGH
Inj Date : 26-MAR-2010 15:02
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.75% HIGH :[]03/19/10 @1155(WATER)
Misc Info : 823380,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2748947	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
7.019	1852422	3.36932990	3.4	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823380.d

Page 6

Date : 26-MAR-2010 15:02

Client ID: D5 1.75HIGH

Instrument: J.i

Sample Info: D=5 1.75% HIGH ;[103/19/10 @1155(WATER)

Purge Volume: 25.0

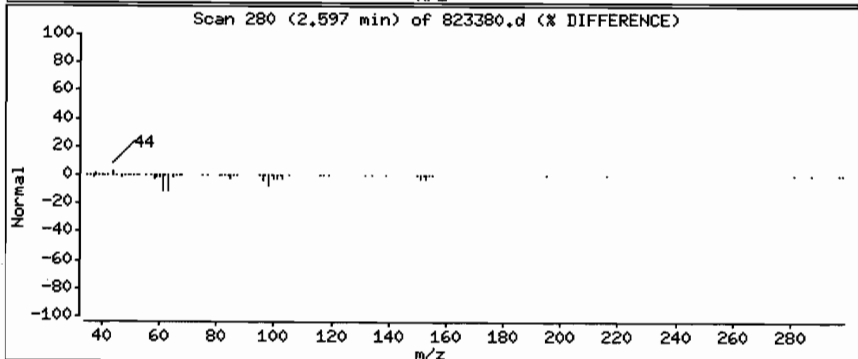
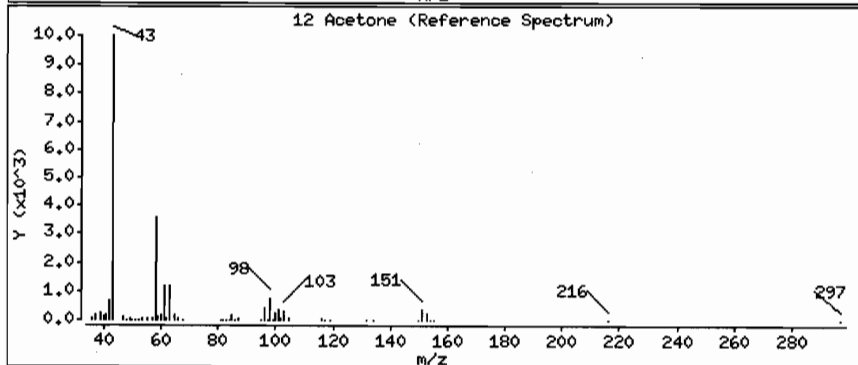
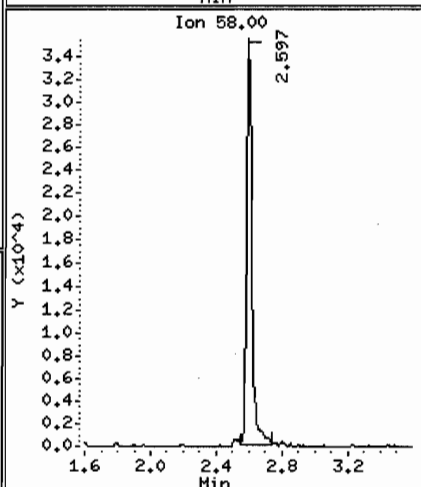
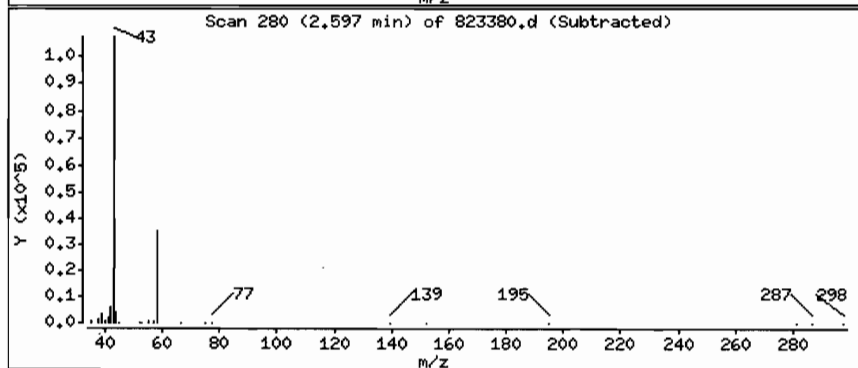
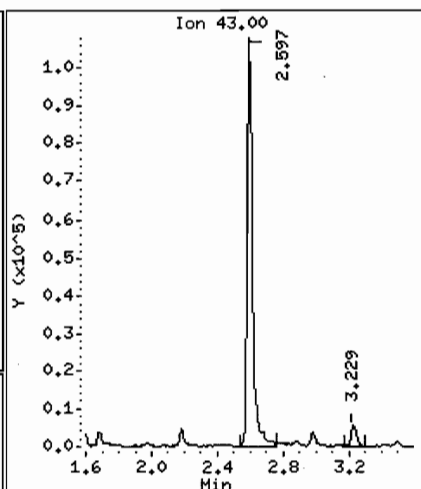
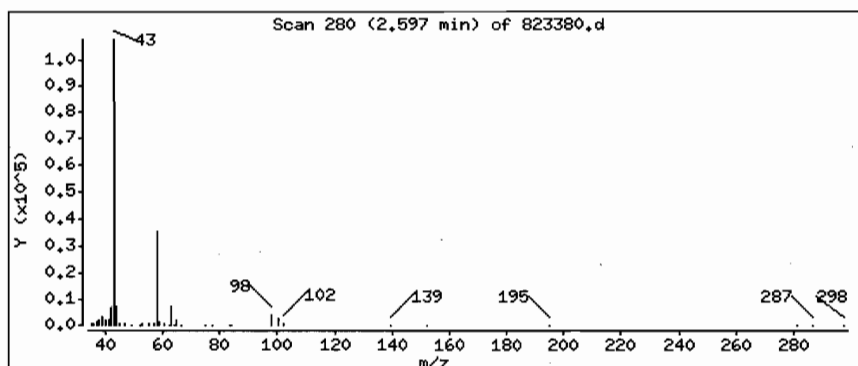
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 49 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823380.d

Page 7

Date : 26-MAR-2010 15:02

Client ID: D5 1.75HIGH

Instrument: J.i

Sample Info: D=5 1.75% HIGH :[103/19/10 @1155(WATER)

Purge Volume: 25.0

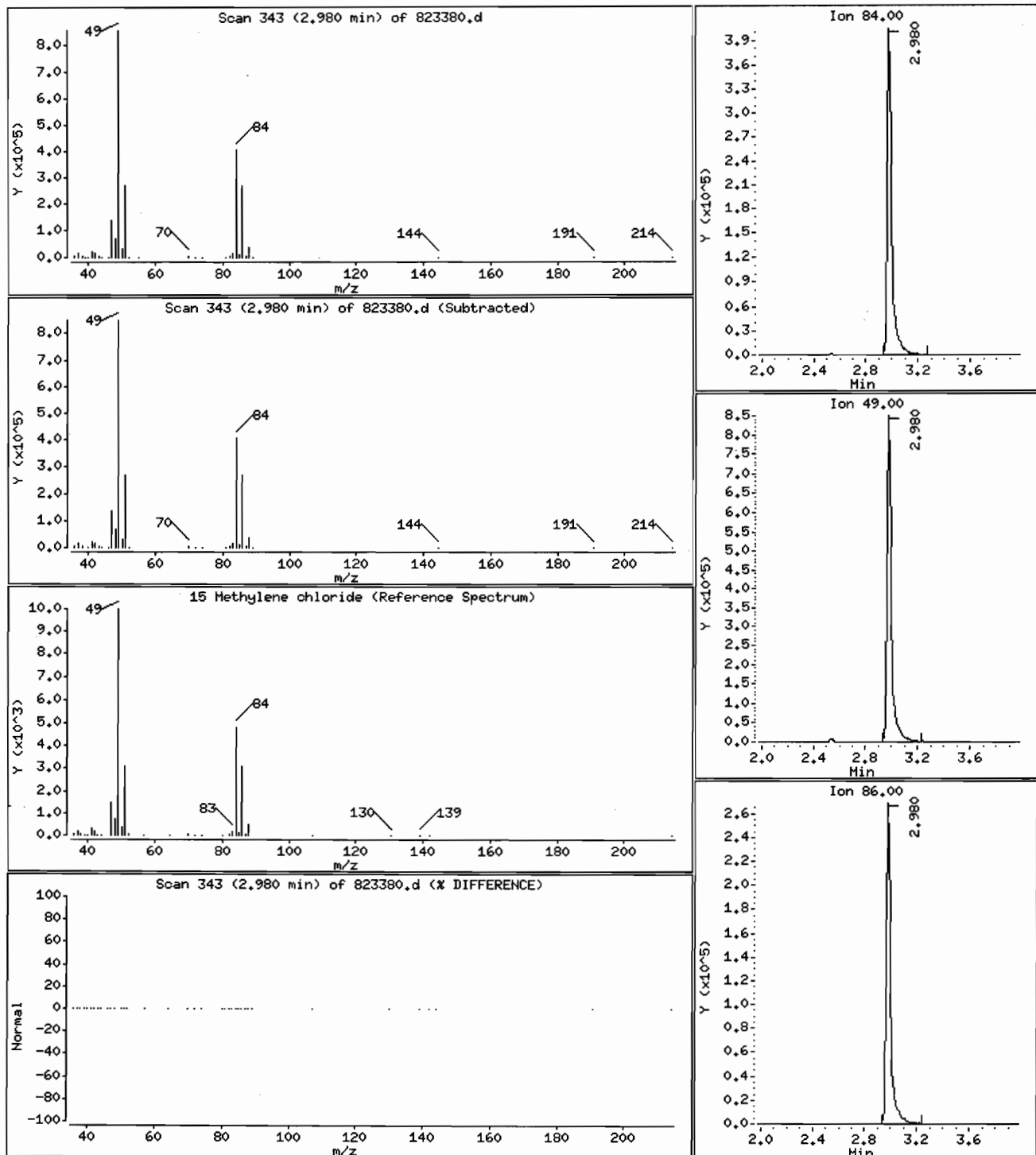
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 17 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823380.d

Page 8

Date : 26-MAR-2010 15:02

Client ID: D5 1.75HIGH

Instrument: J.i

Sample Info: D=5 1.75% HIGH ;I 103/19/10 @1155(WATER)

Purge Volume: 25.0

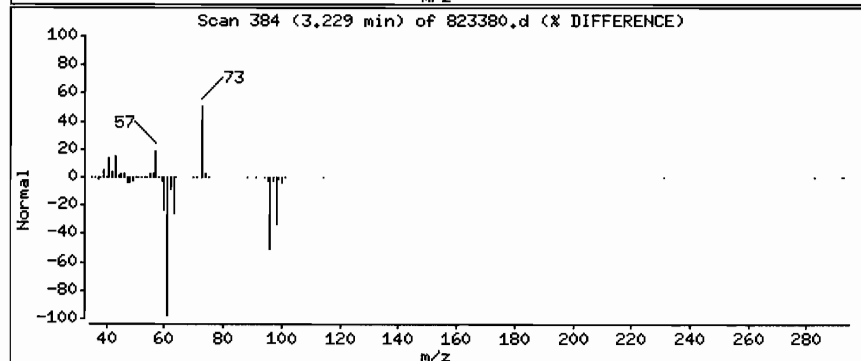
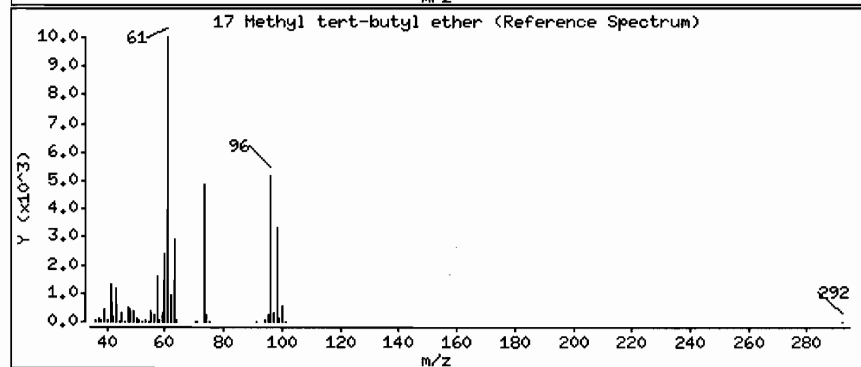
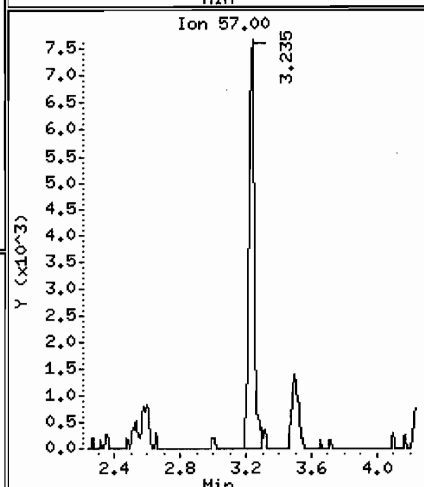
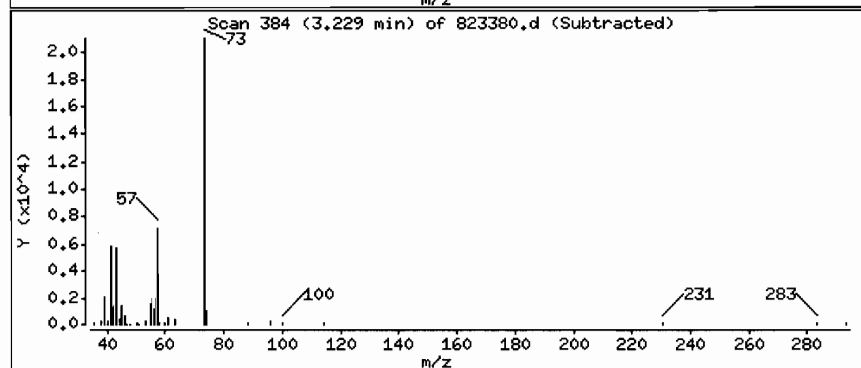
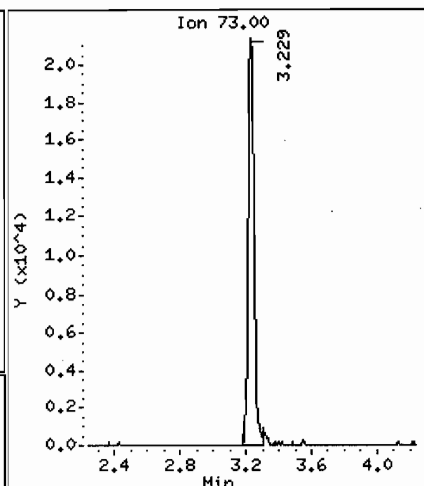
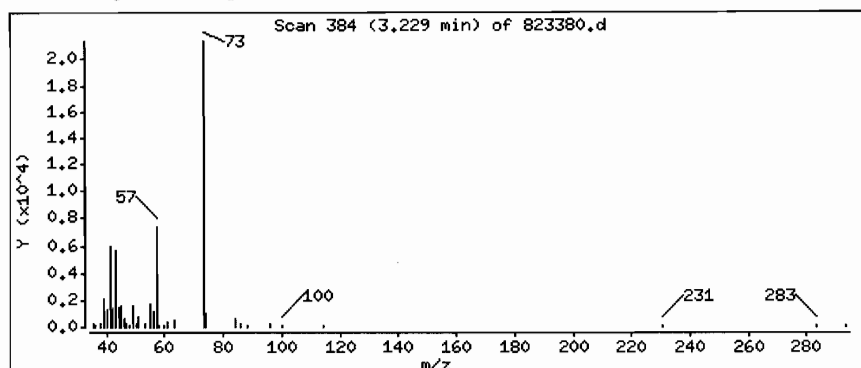
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.60 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823380.d

Page 9

Date : 26-MAR-2010 15:02

Client ID: D5 1.75HIGH

Instrument: J.i

Sample Info: D=5 1.75% HIGH ;[103/19/10 @1155(WATER)

Purge Volume: 25.0

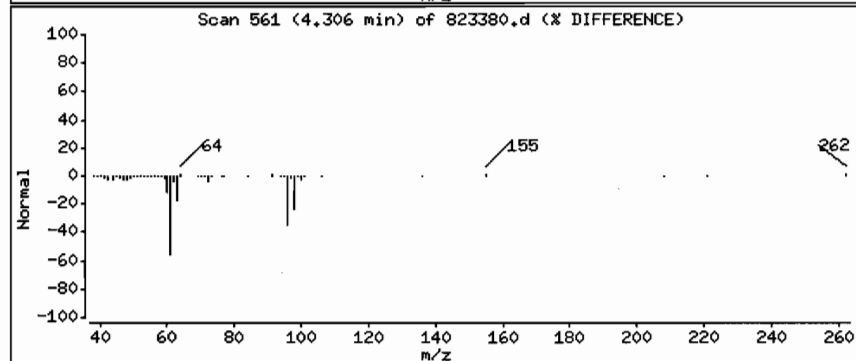
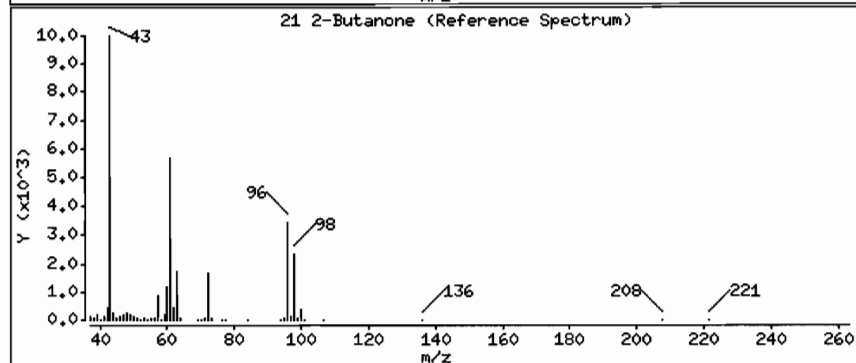
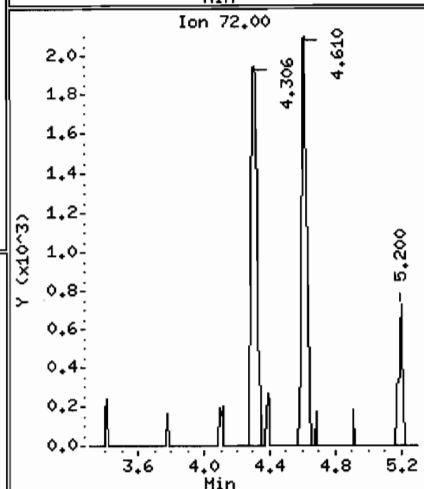
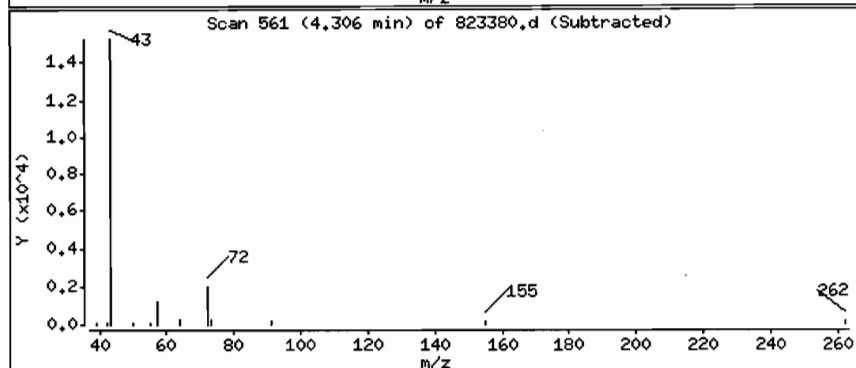
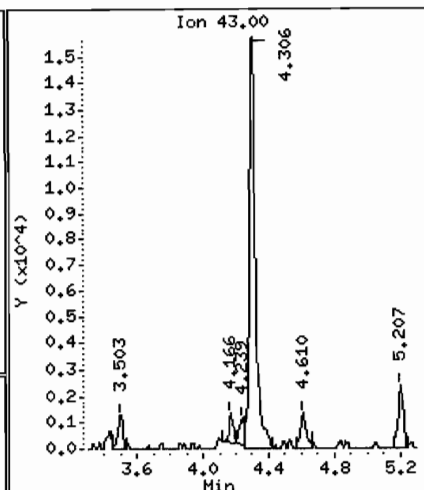
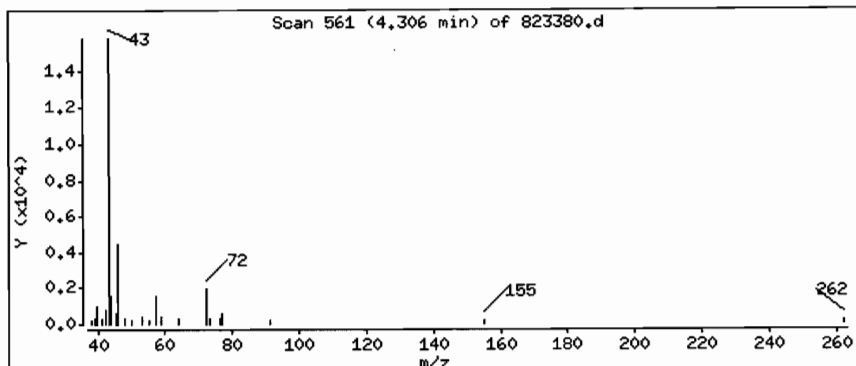
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 4.3 ug/L



Date : 26-MAR-2010 15:02

Client ID: D5 1.75HIGH

Instrument: J.i

Sample Info: D=5 1.75% HIGH :I 103/19/10 @1155(WATER)

Purge Volume: 25.0

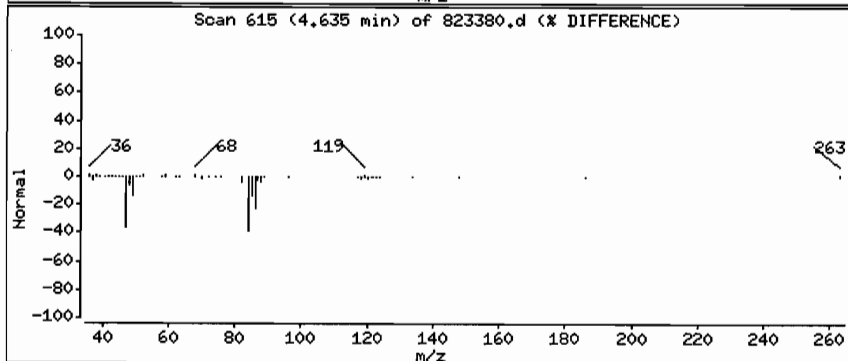
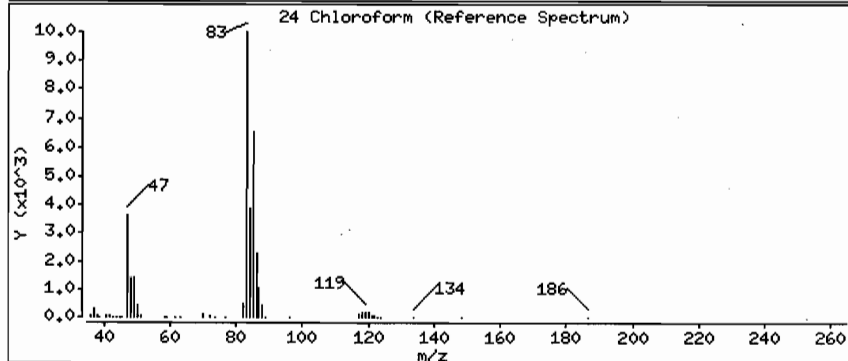
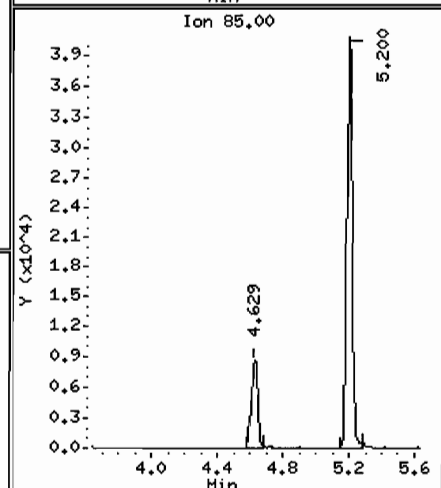
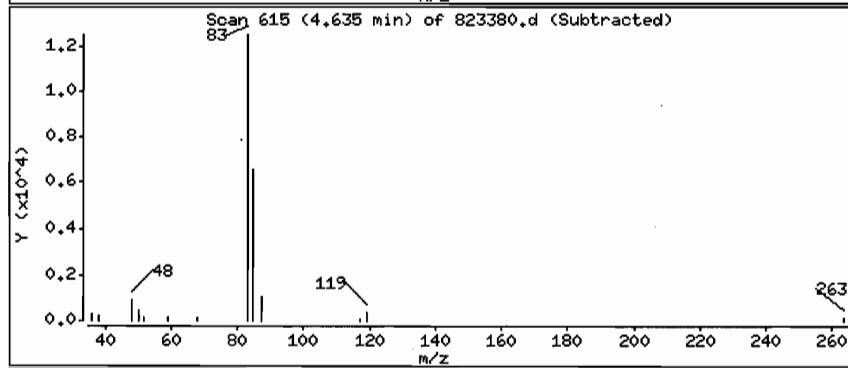
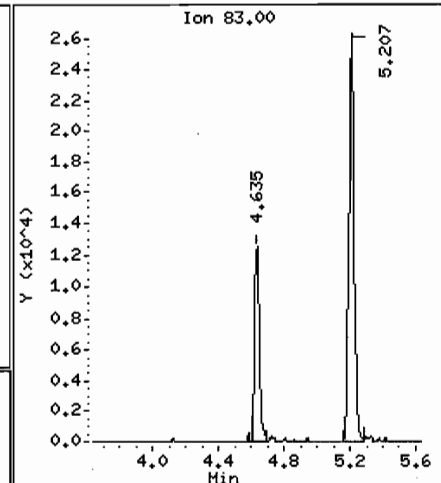
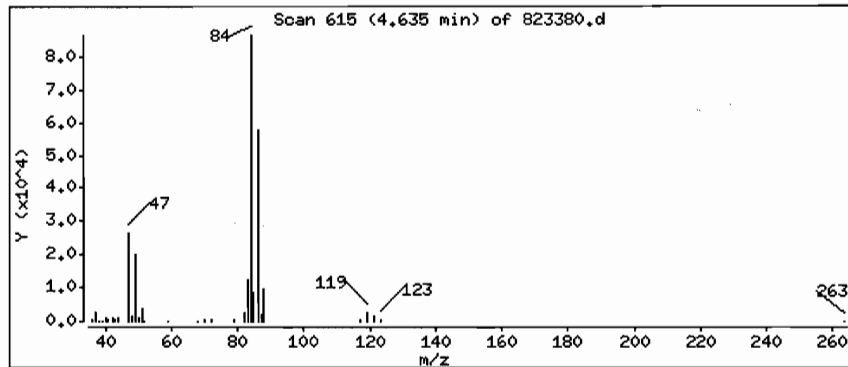
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.20 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.r.b/823380.d

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Date : 26-MAR-2010 15:02

Client ID: D5 1.75HIGH

Instrument: J.i

Sample Info: D=5 1.75% HIGH :[103/19/10 @1155(WATER)

Purge Volume: 25.0

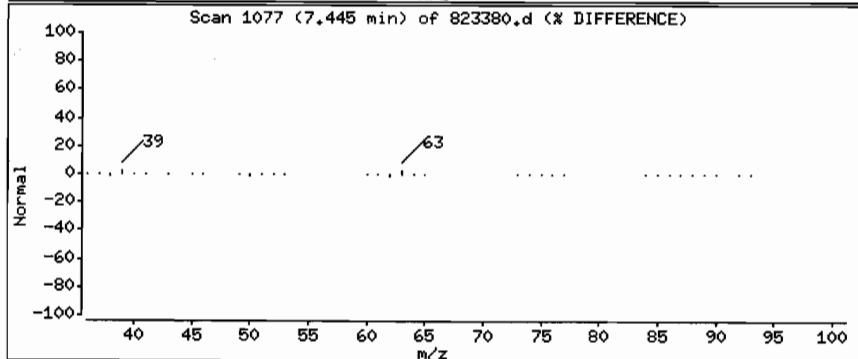
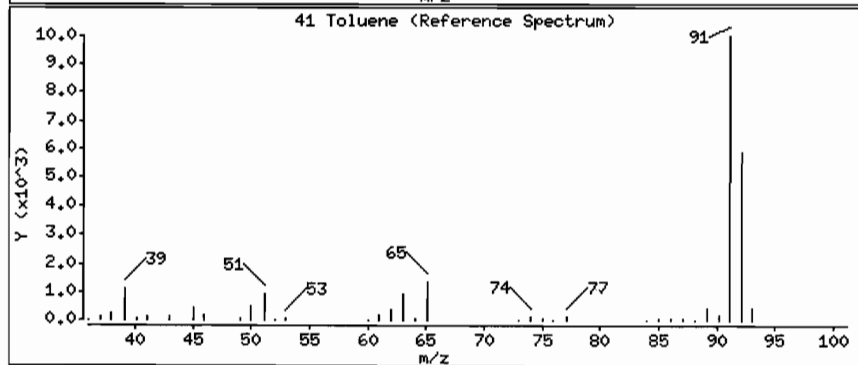
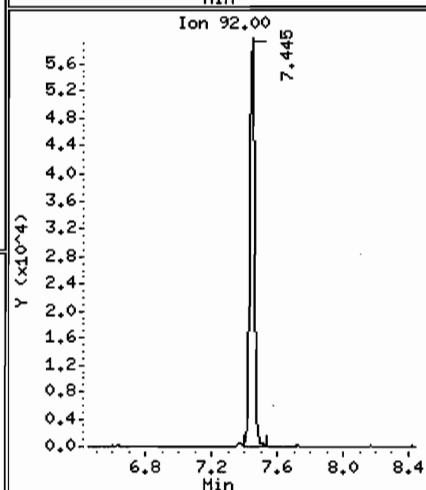
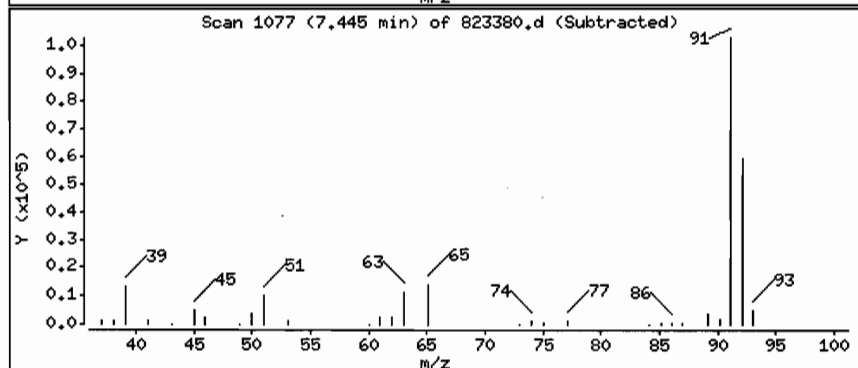
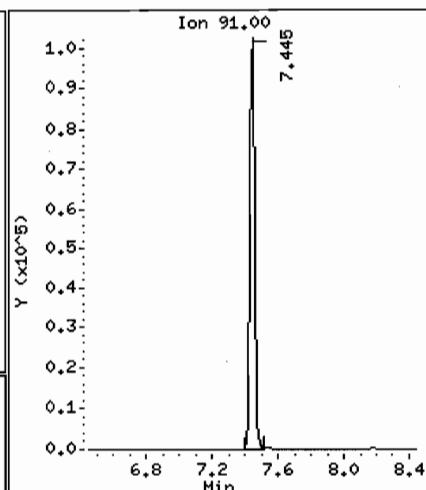
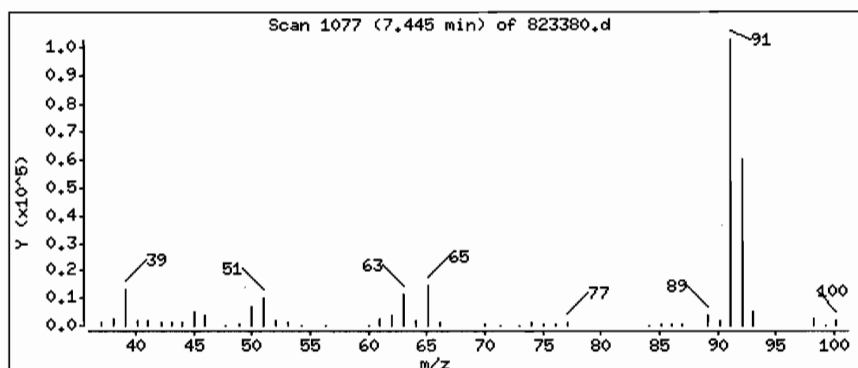
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.61 ug/L



Date : 26-MAR-2010 15:02

Client ID: D5 1.75HIGH

Instrument: J.i

Sample Info: D=5 1.75% HIGH ;[103/19/10 @1155(WATER)

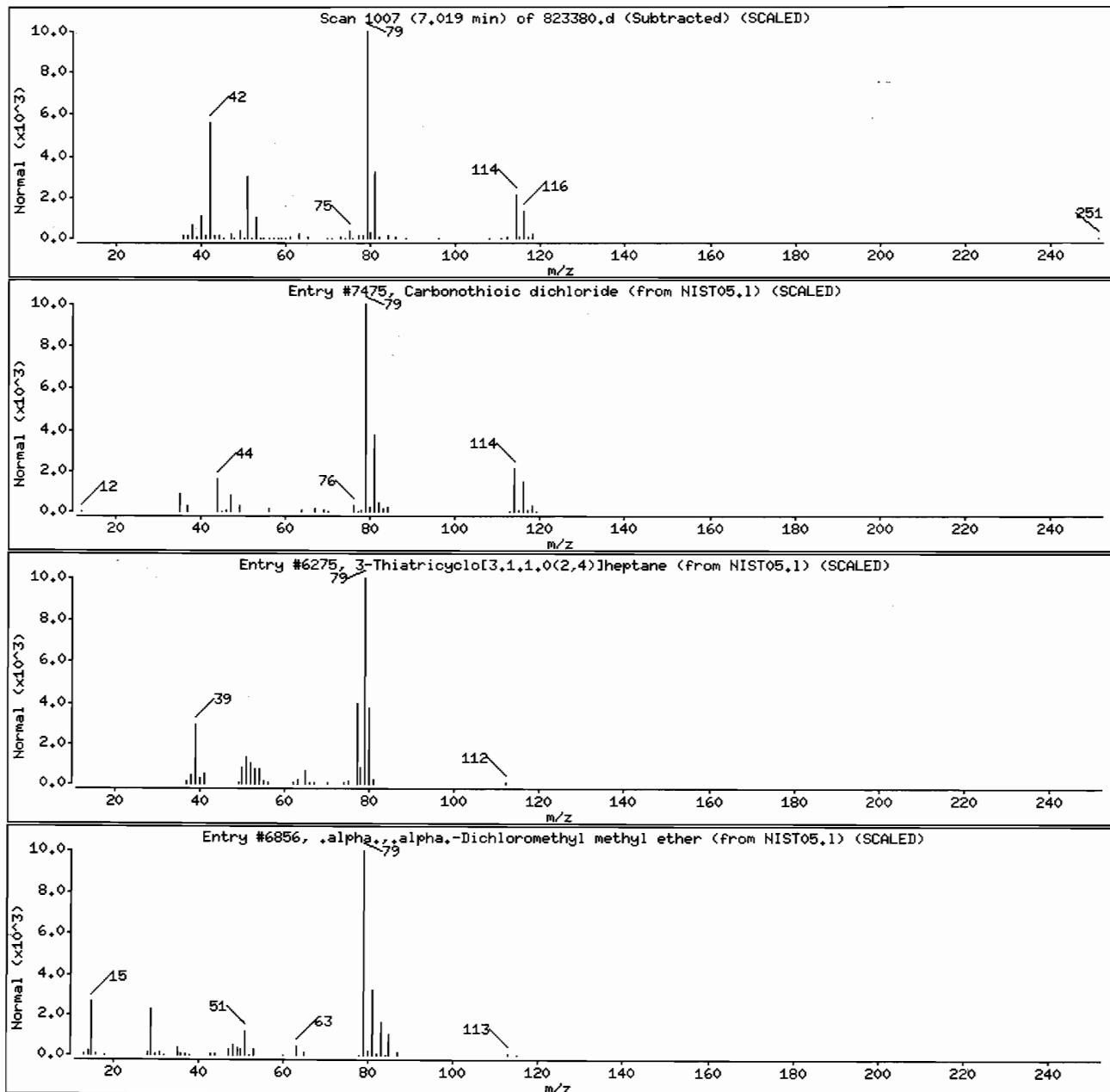
Purge Volume: 25.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	47	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	23	C ₂ H ₄ Cl ₂ O	114



MANUAL INTEGRATION REPORT

Data File Name: 823380.d

Inj. Date and Time: 26-MAR-2010 15:02

Target Version: Target 3.50

Client Sample ID: D5 1.75HIGH

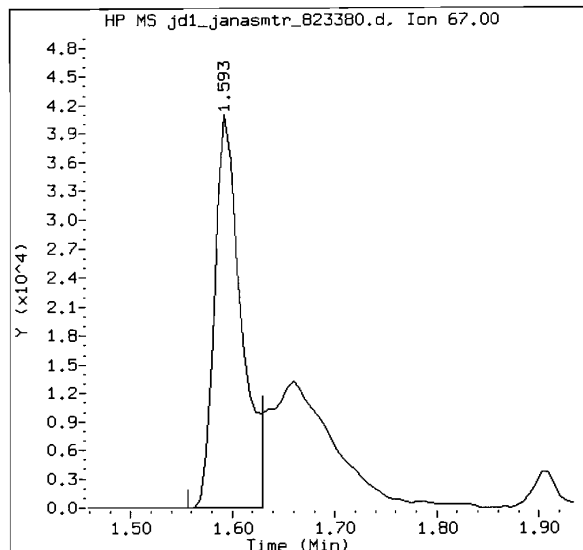
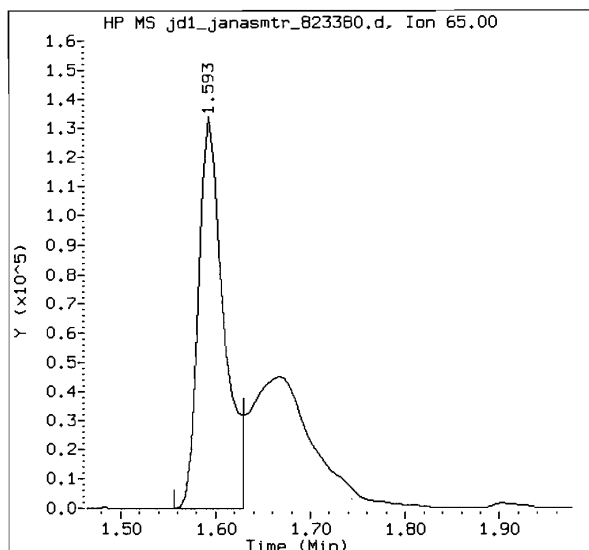
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

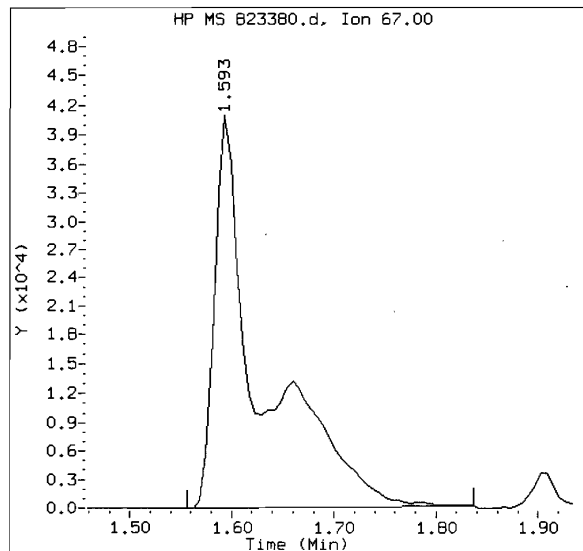
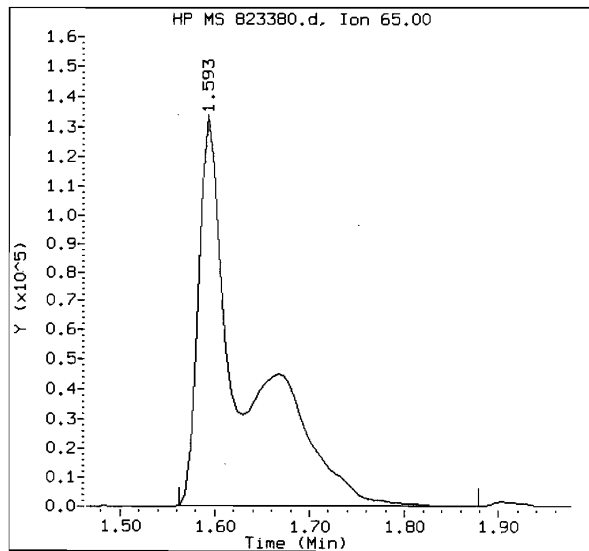
Report Date: 03/29/2010 14:31



Original Integrations:

Area = 250350

Area = 75567



Final Integrations:

Area = 448831

Area = 129676

Manual Integration Reason: MI1 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D51.75MEDIUM

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823381

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823381

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	51	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	15	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.59	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.3	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.23	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.
D51.75MEDIUM

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823381

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823381

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	0.66	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	0.76	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.

D51.75MEDIUM

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823381
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823381
Level: (TRACE or LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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)

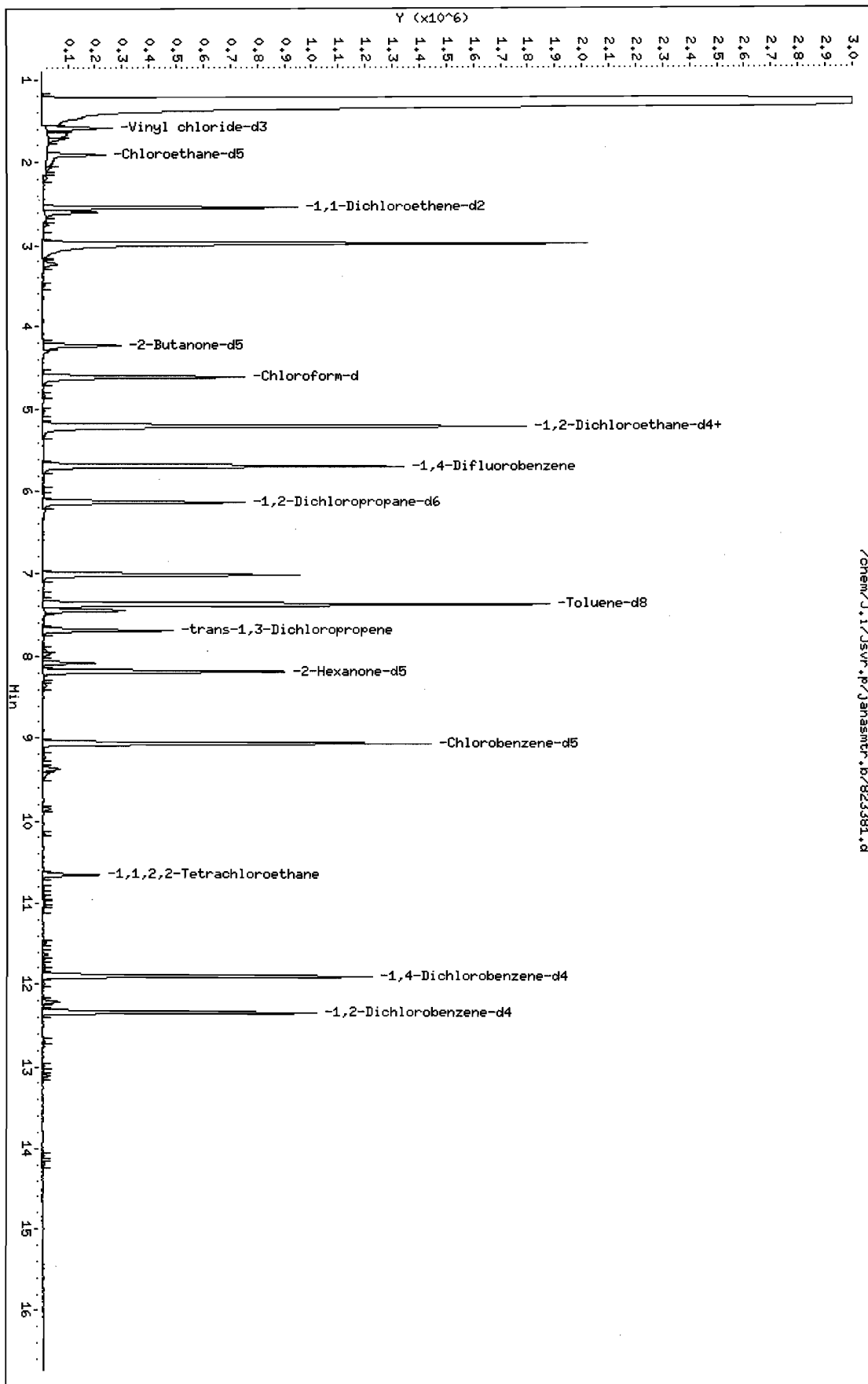
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	3.4	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtc.b/823381.d
Date: 26-MAR-2010 15:34
Client ID: D51.75MEDIUM
Sample Info: D=5 1.75% MEDIUM : (103/19/10 @1230(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: MTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823381.d
Lab Smp Id: 823381 Client Smp ID: D51.75MEDIUM
Inj Date : 26-MAR-2010 15:31
Operator : MTP Inst ID: J.i
Smp Info : D=5 1.75% MEDIUM :[]03/19/10 @1230(WATER)
Misc Info : 823381,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	450292	4.51283	4.5 (M)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	308245	4.67807	4.7
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	749304	3.74582	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	259807	51.0276	51
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	876966	15.3749	15
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.230	3.236	(0.568)	52846	0.58800	0.59
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	483960	52.1625	52
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.306	4.300	(0.758)	30979	3.30975	3.3(a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	661103	4.92818	4.9(Q)
24 Chloroform	83	4.635	4.635	(0.816)	29005	0.23058	0.23(aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	268562	5.36169	5.4
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1451502	4.60088	4.6
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1114007	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	365935	4.70591	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	7.366	7.366	(0.813)	1339053	4.66734	4.7
41 Toluene	91	7.445	7.445	(0.821)	231171	0.66377	0.66
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	289292	4.80396	4.8
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.078	8.078	(0.891)	48358	0.75872	0.76
\$ 46 2-Hexanone-d5	63	8.175	8.181	(0.902)	340596	49.5676	50
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	9.064	9.064	(1.000)	830739	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	10.658	10.657	(1.176)	118816	4.85195	4.9
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	348419	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ug/L)	FINAL (ug/L)
=====	====	==	=====	=====	=====		=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	274794		4.84973	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		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.
- M - Compound response manually integrated.

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823381.d
 Report Date: 29-Mar-2010 14:31

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823381.d
 Lab Smp Id: 823381 Client Smp ID: D51.75MEDIUM
 Inj Date : 26-MAR-2010 15:31
 Operator : MTP Inst ID: J.i
 Smp Info : D=5 1.75% MEDIUM :[]03/19/10 @1230(WATER)
 Misc Info : 823381,032610JT,1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
 Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
 Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2816103	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
7.020	1891831	3.35895180	3.4	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823381.d

Page 6

Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :I 103/19/10 @1230(WATER >

Purge Volume: 25.0

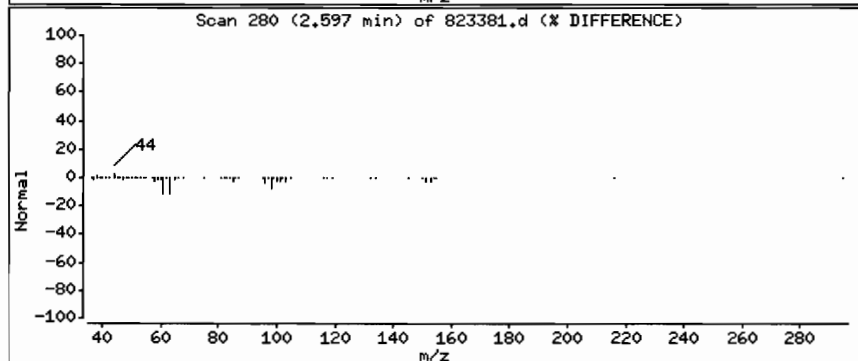
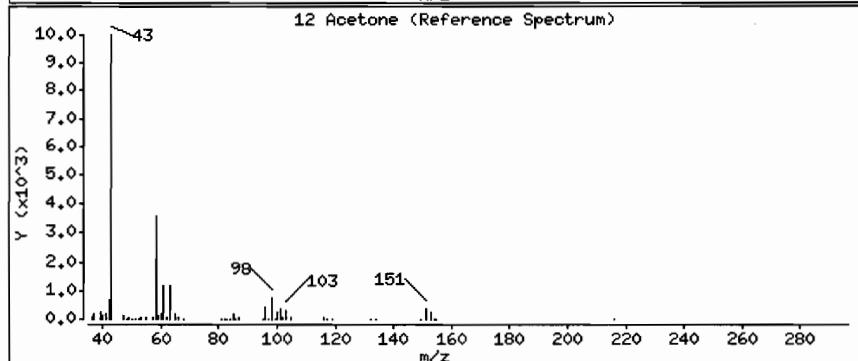
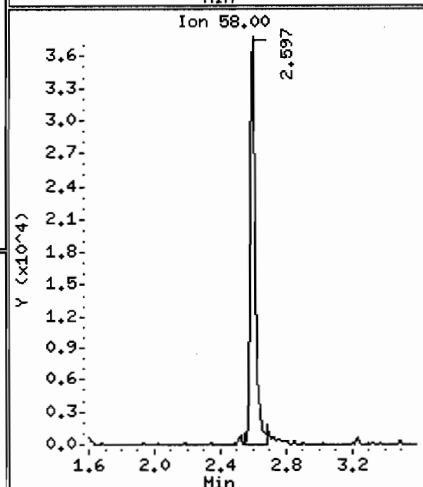
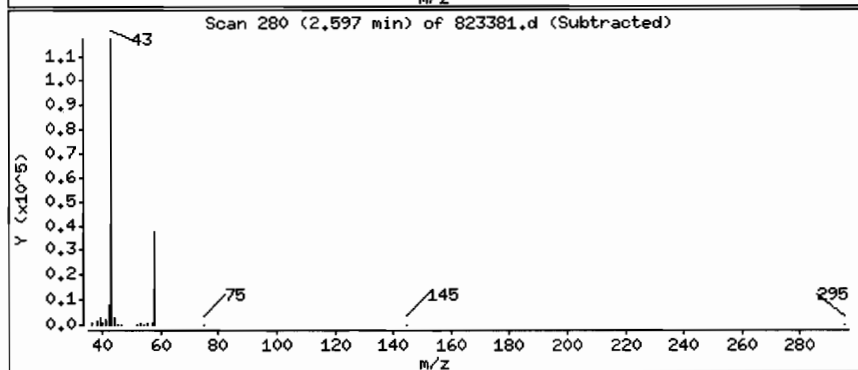
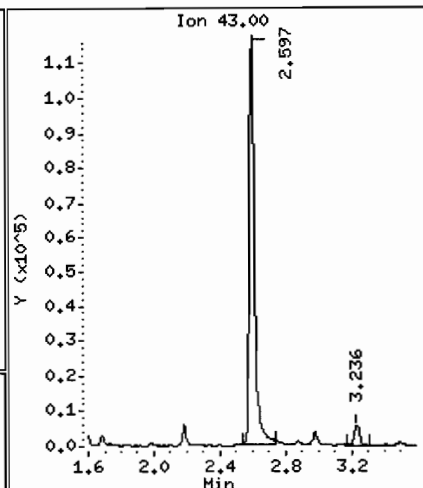
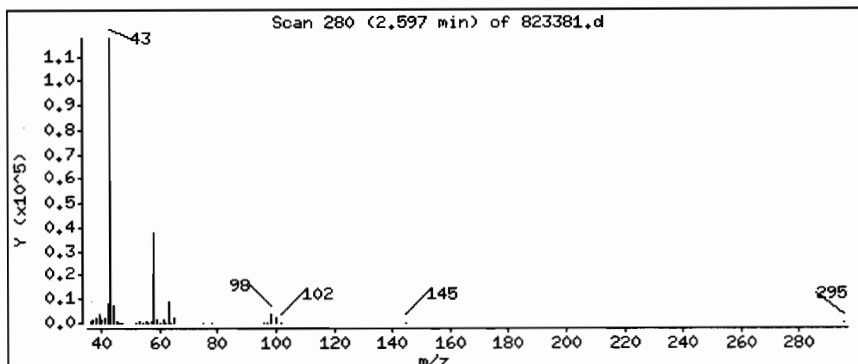
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 51 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823381.d

Page 7

Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :[103/19/10 @1230(WATER)

Purge Volume: 25.0

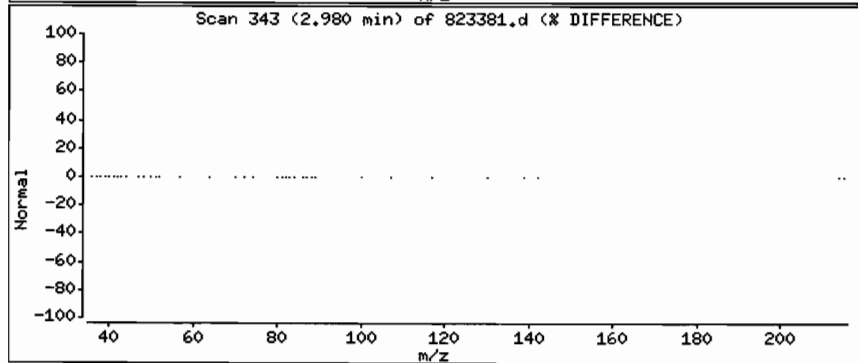
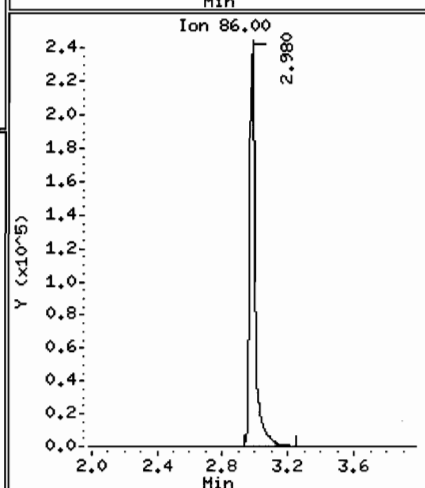
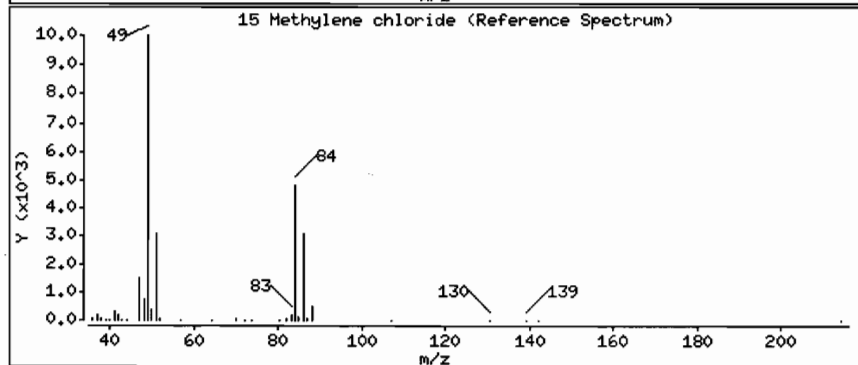
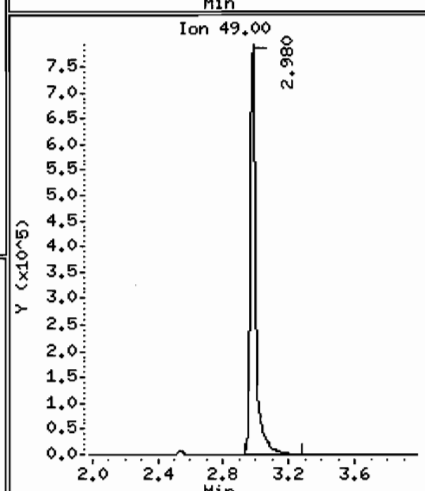
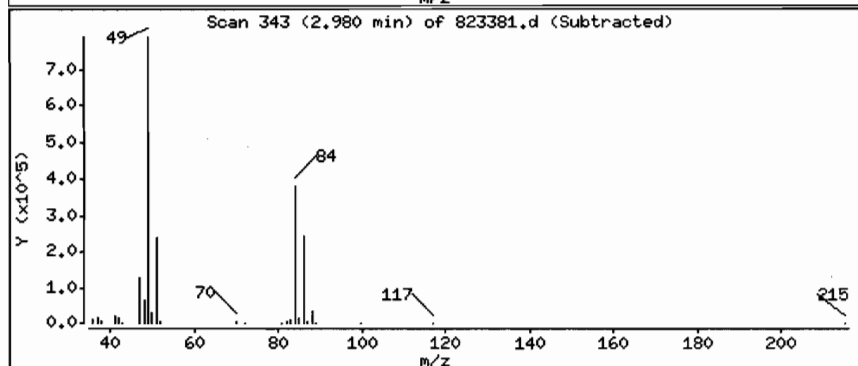
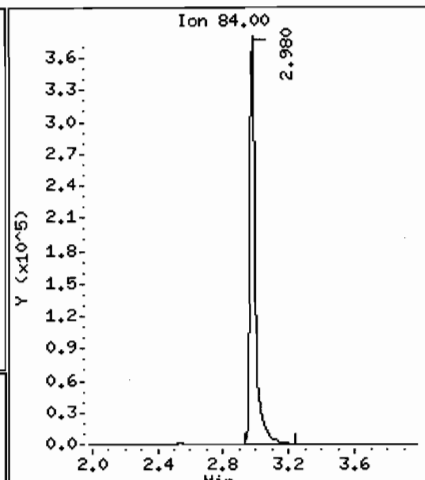
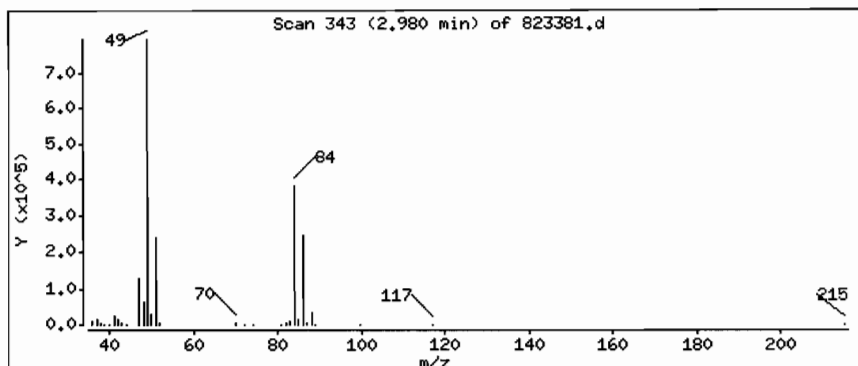
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 15 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823381.d

Page 8

Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :[103/19/10 @1230(WATER)

Purge Volume: 25.0

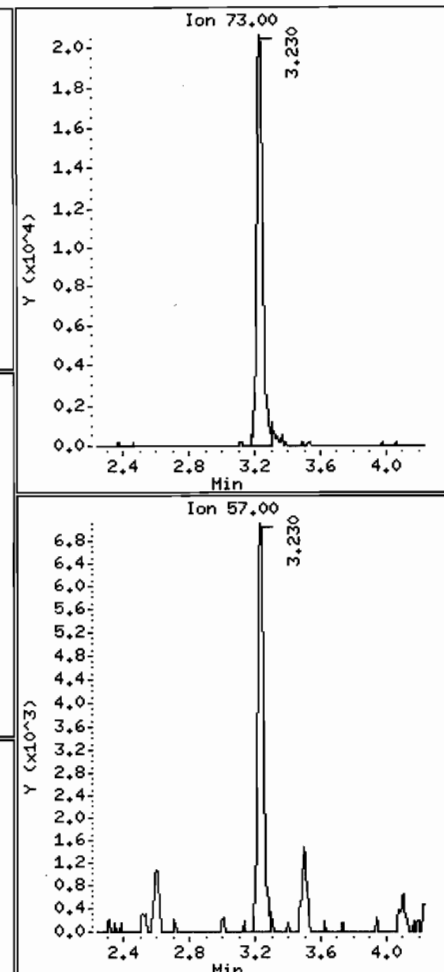
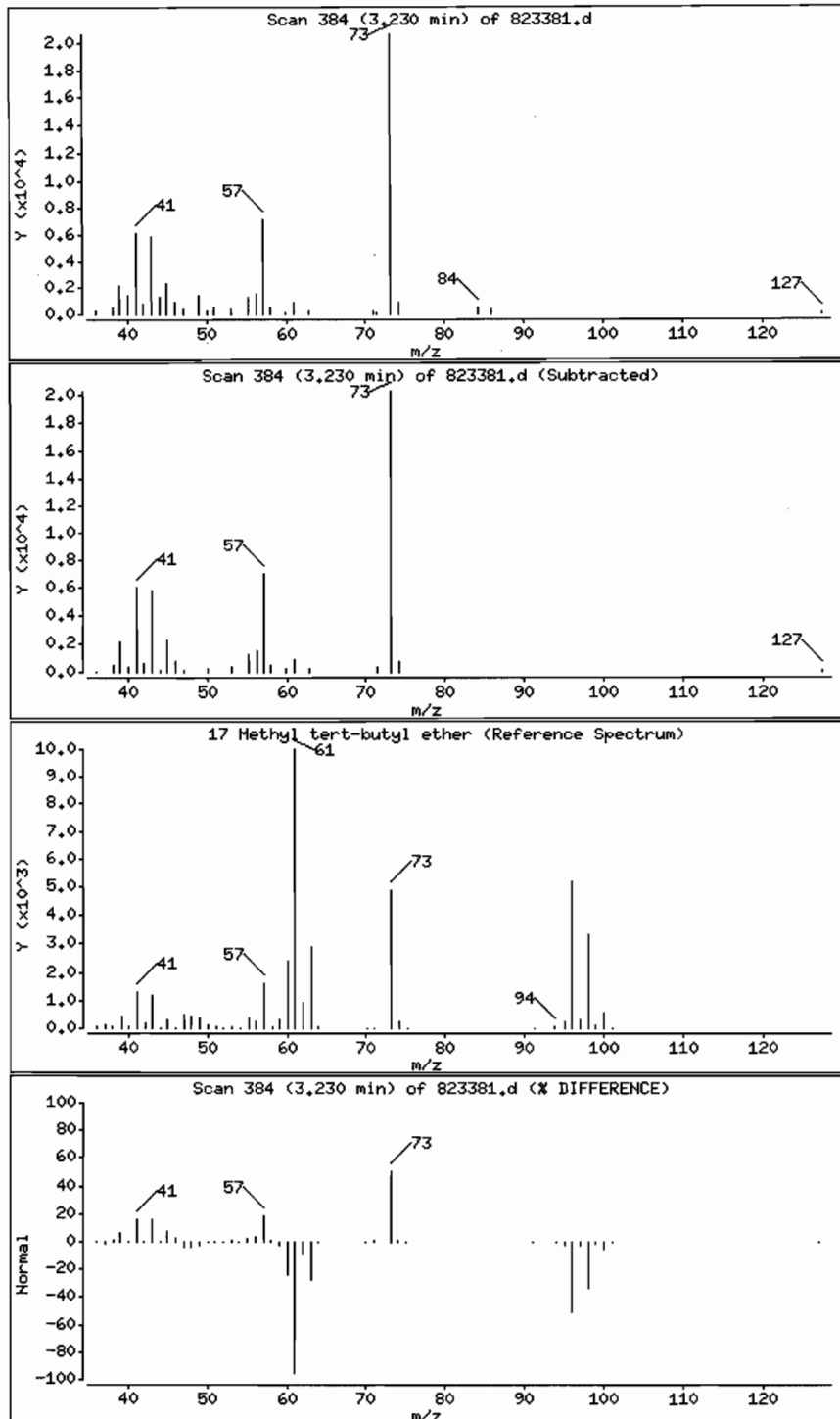
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.59 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.r.b/823381.d

Page 9

Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :[103/19/10 @1230(WATER)

Purge Volume: 25.0

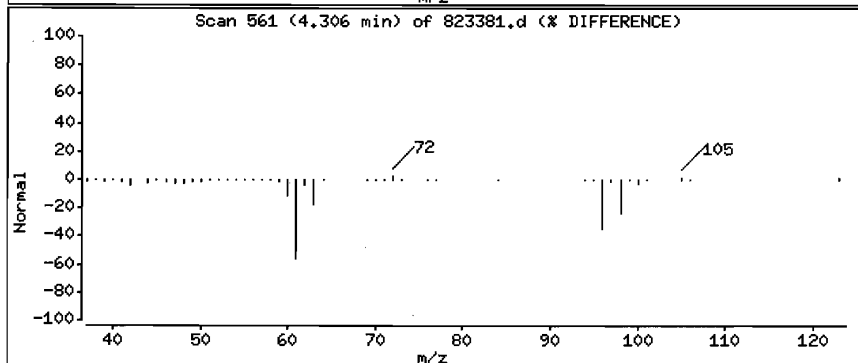
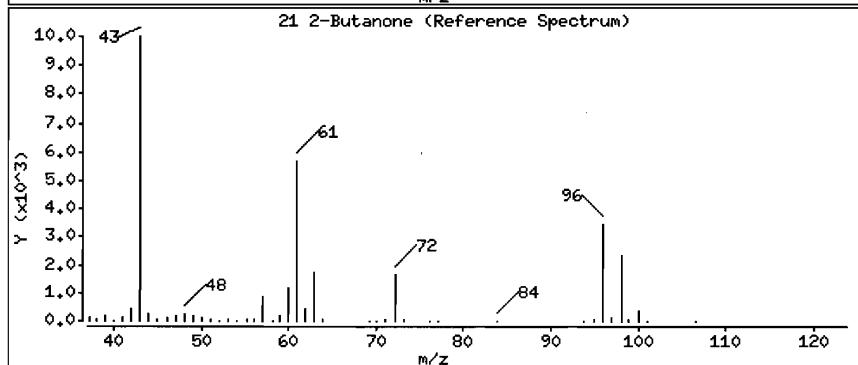
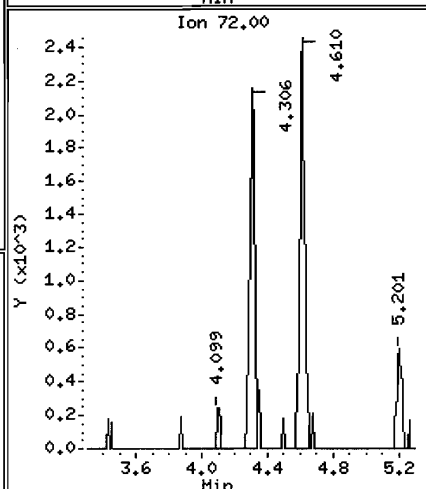
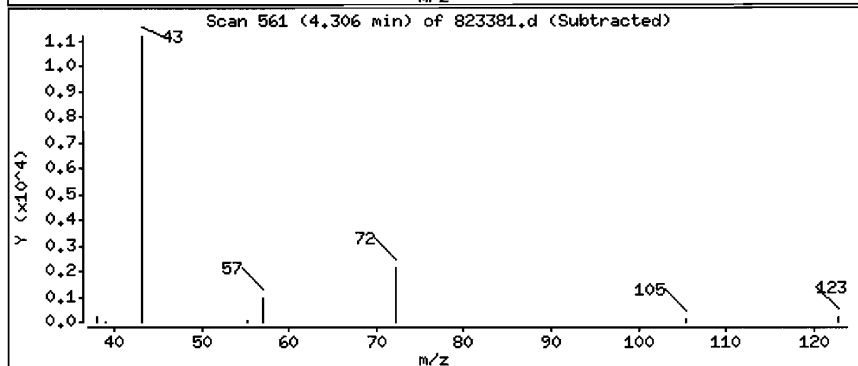
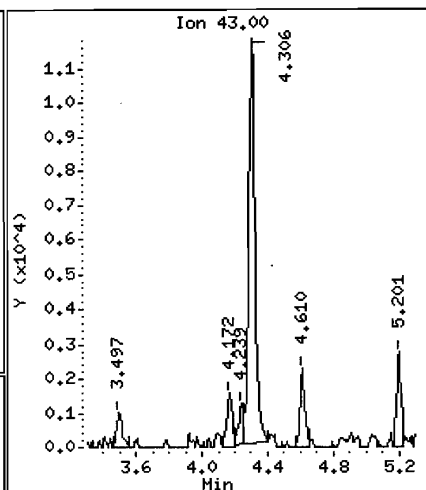
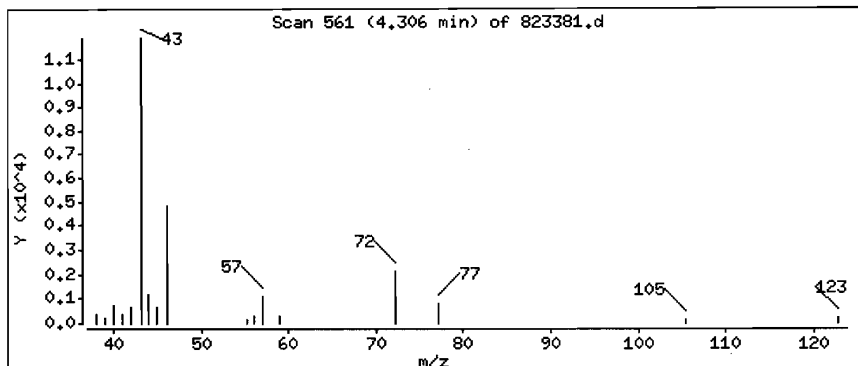
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.3 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823381.d

Page 10

Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :[103/19/10 @1230(WATER)

Purge Volume: 25.0

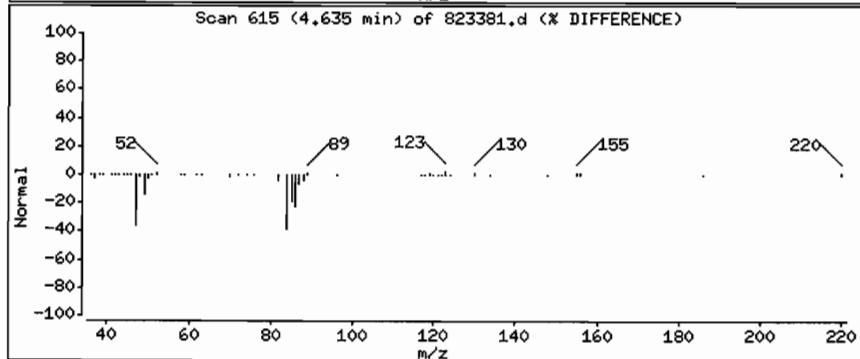
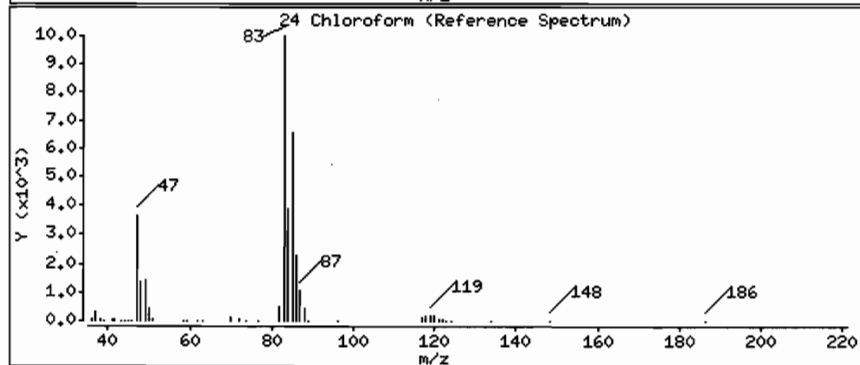
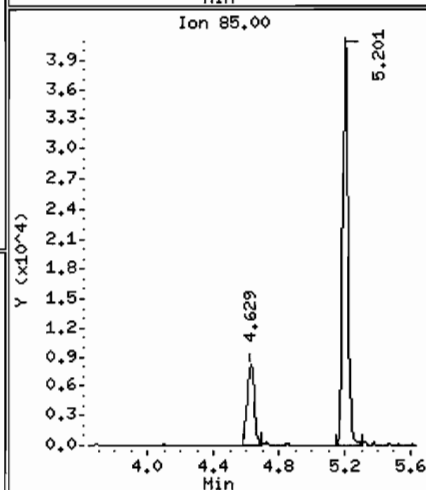
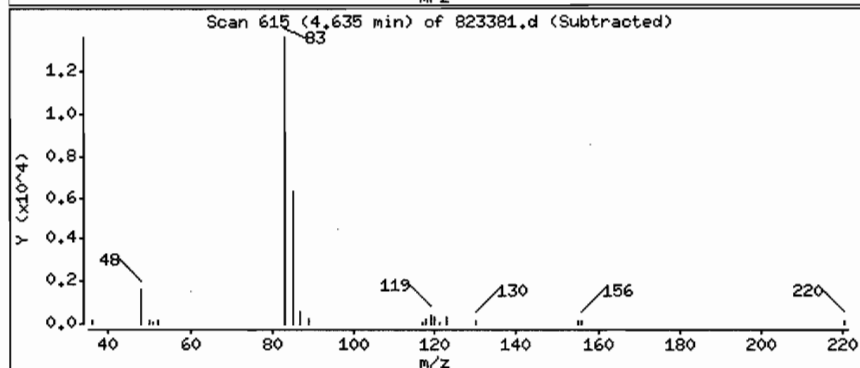
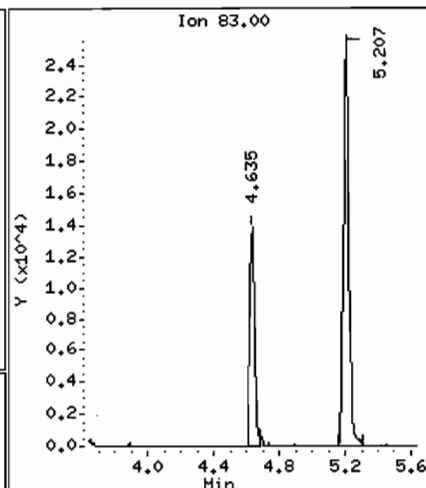
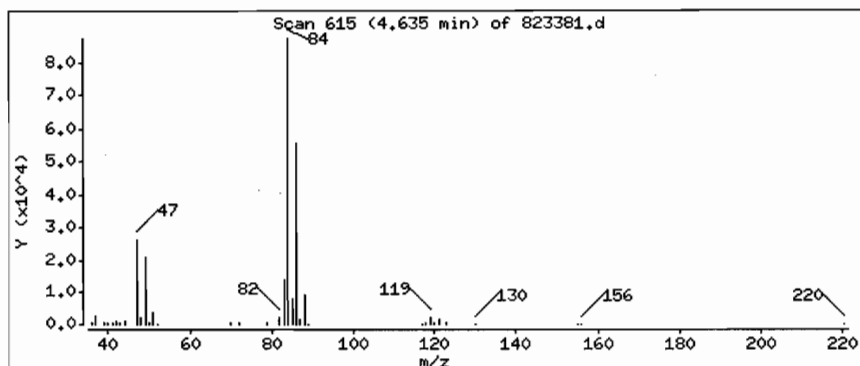
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.23 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823381.d

Page 11

Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :[103/19/10 @1230(WATER)

Purge Volume: 25.0

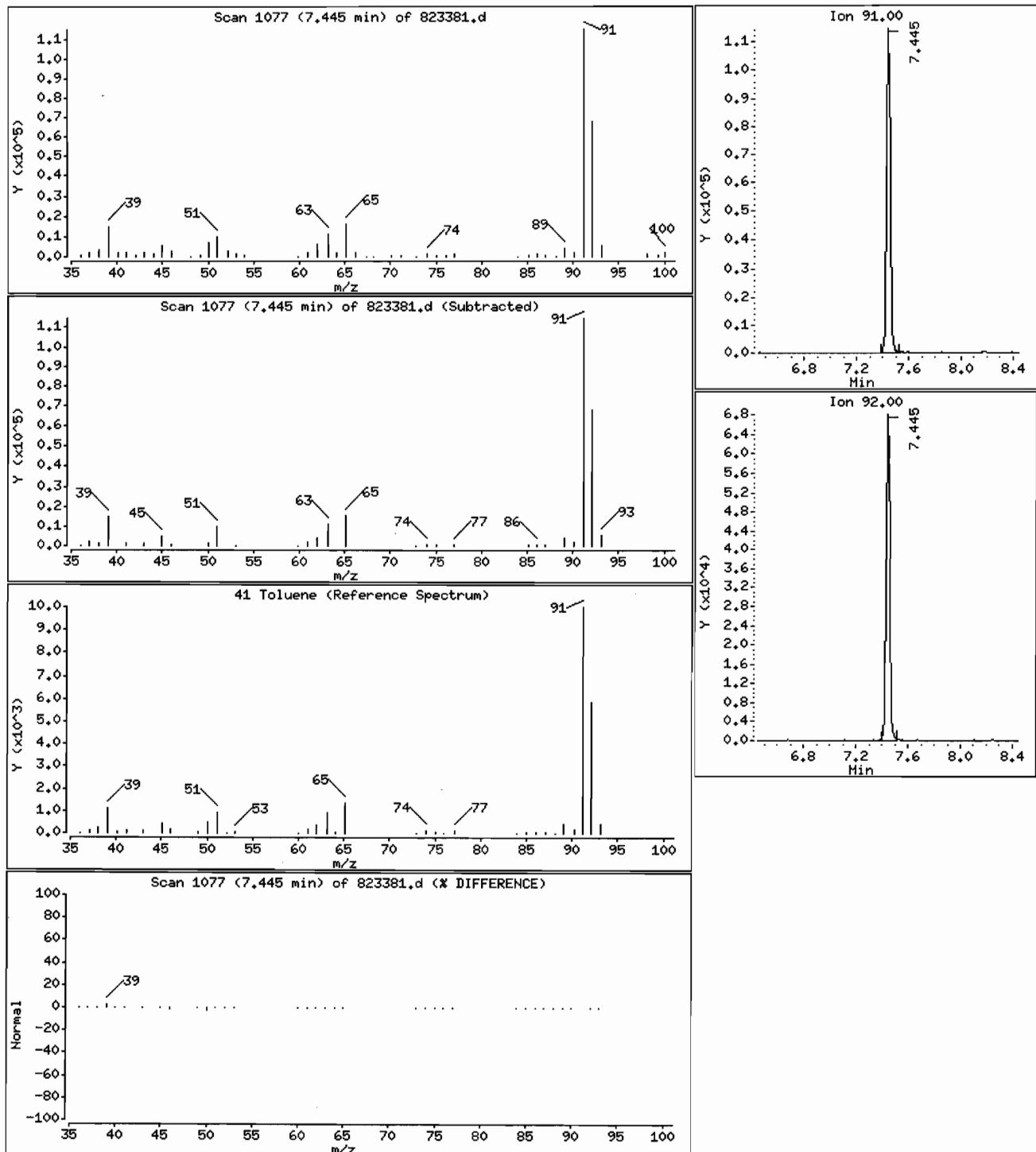
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.66 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823381.d

Page 12

Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :[103/19/10 @1230(WATER)

Purge Volume: 25.0

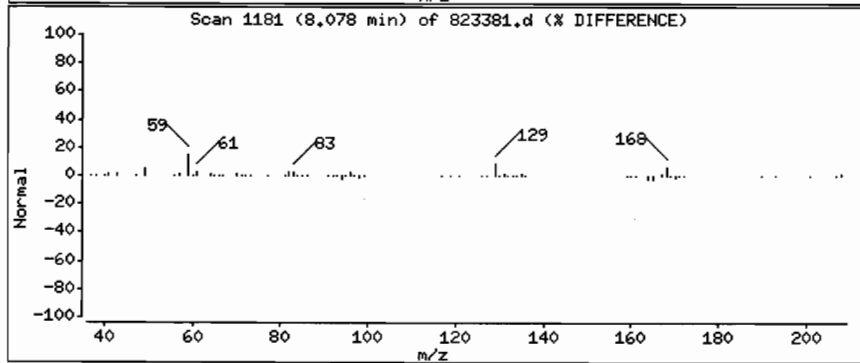
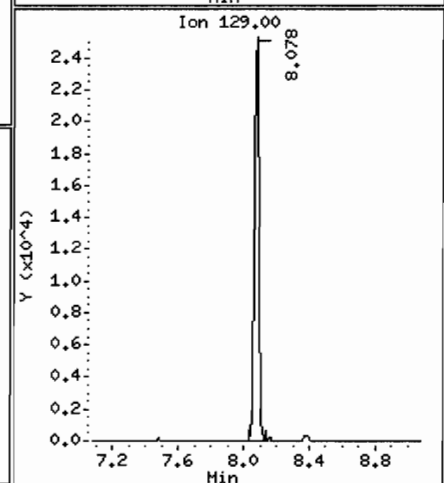
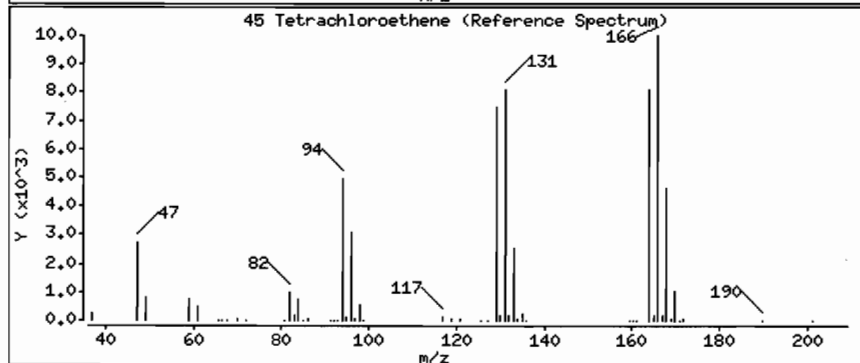
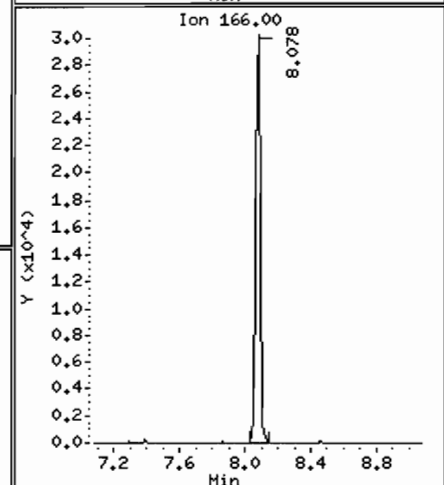
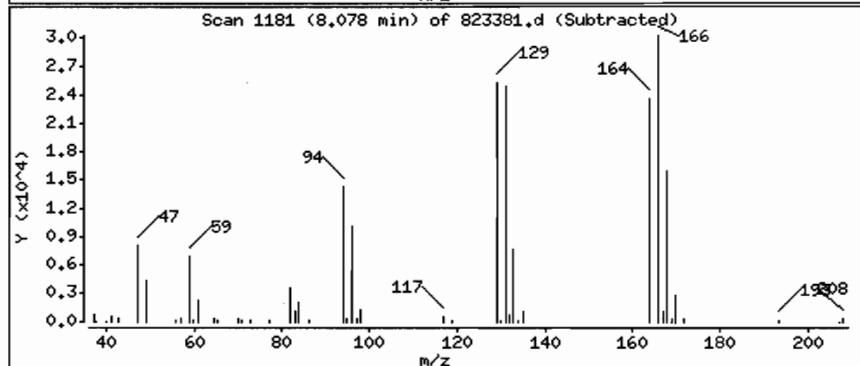
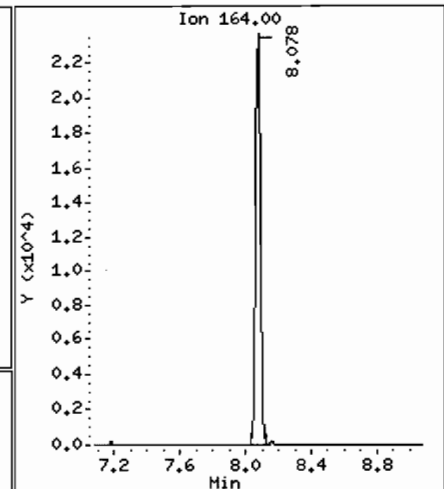
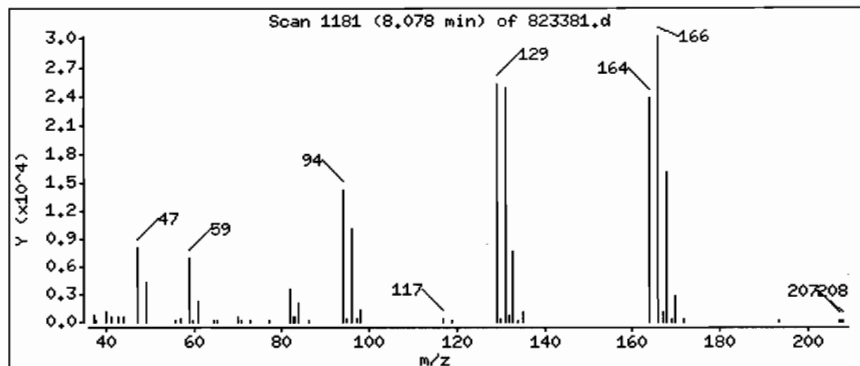
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 0.76 ug/L



Date : 26-MAR-2010 15:31

Client ID: D51.75MEDIUM

Instrument: J.i

Sample Info: D=5 1.75% MEDIUM :[103/19/10 @1230(WATER)

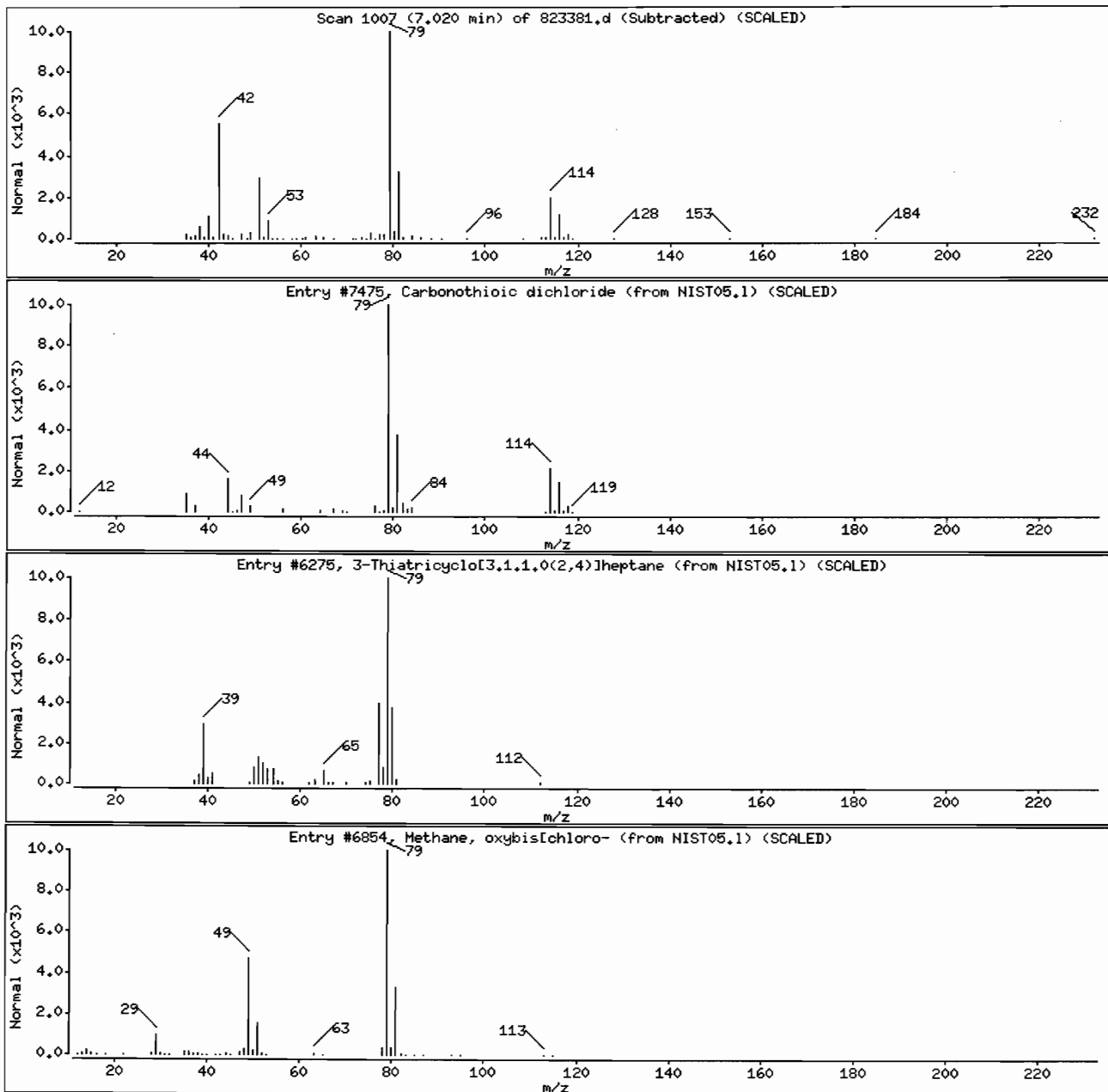
Purge Volume: 25.0

Operator: MTP

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
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	32	C2H4Cl2O	114



MANUAL INTEGRATION REPORT

Data File Name: 823381.d

Inj. Date and Time: 26-MAR-2010 15:31

Target Version: Target 3.50

Client Sample ID: D51.75MEDIUM

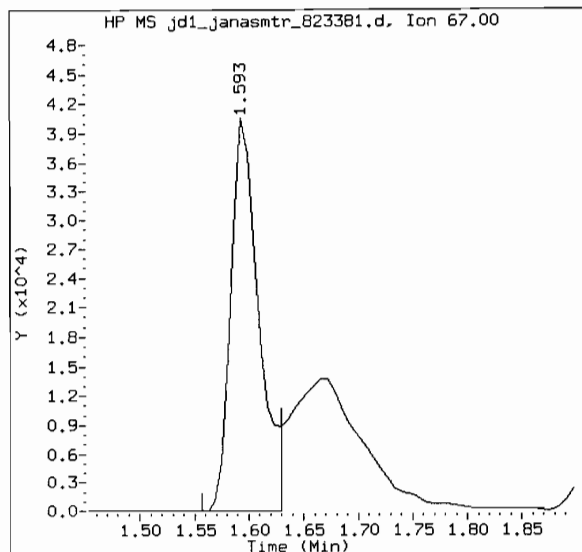
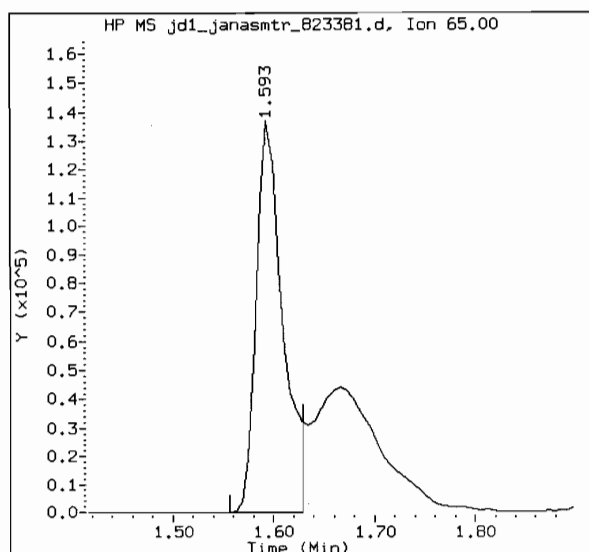
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

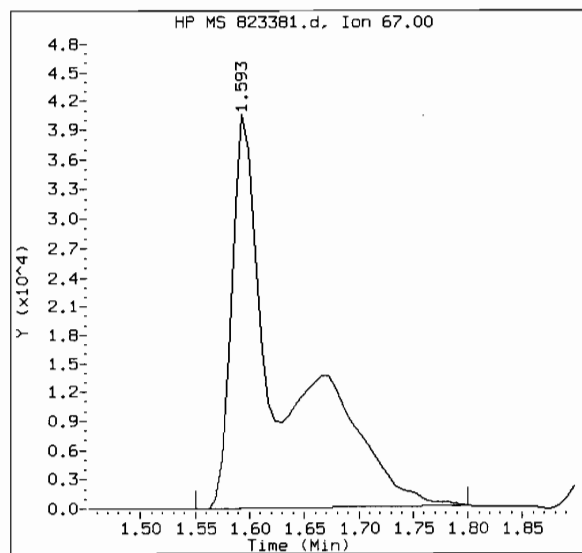
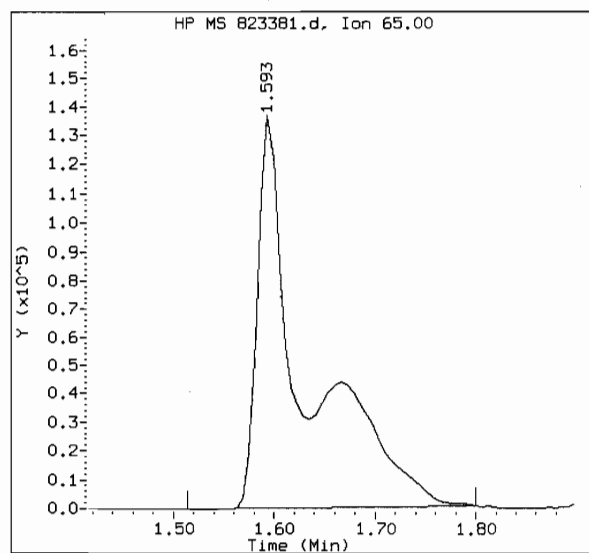
Report Date: 03/29/2010 14:31



Original Integrations:

Area = 256739

Area = 73943



Final Integrations:

Area = 450292

Area = 132433

Manual Integration Reason: M11 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D5 2 HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823382

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823382

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	44	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	16	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.58	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.2	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.23	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.

D5 2 HIGH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823382

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823382

Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010

% Moisture: not dec. Date Analyzed: 03/26/2010

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	0.64	
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.

D5 2 HIGH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823382

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823382

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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)

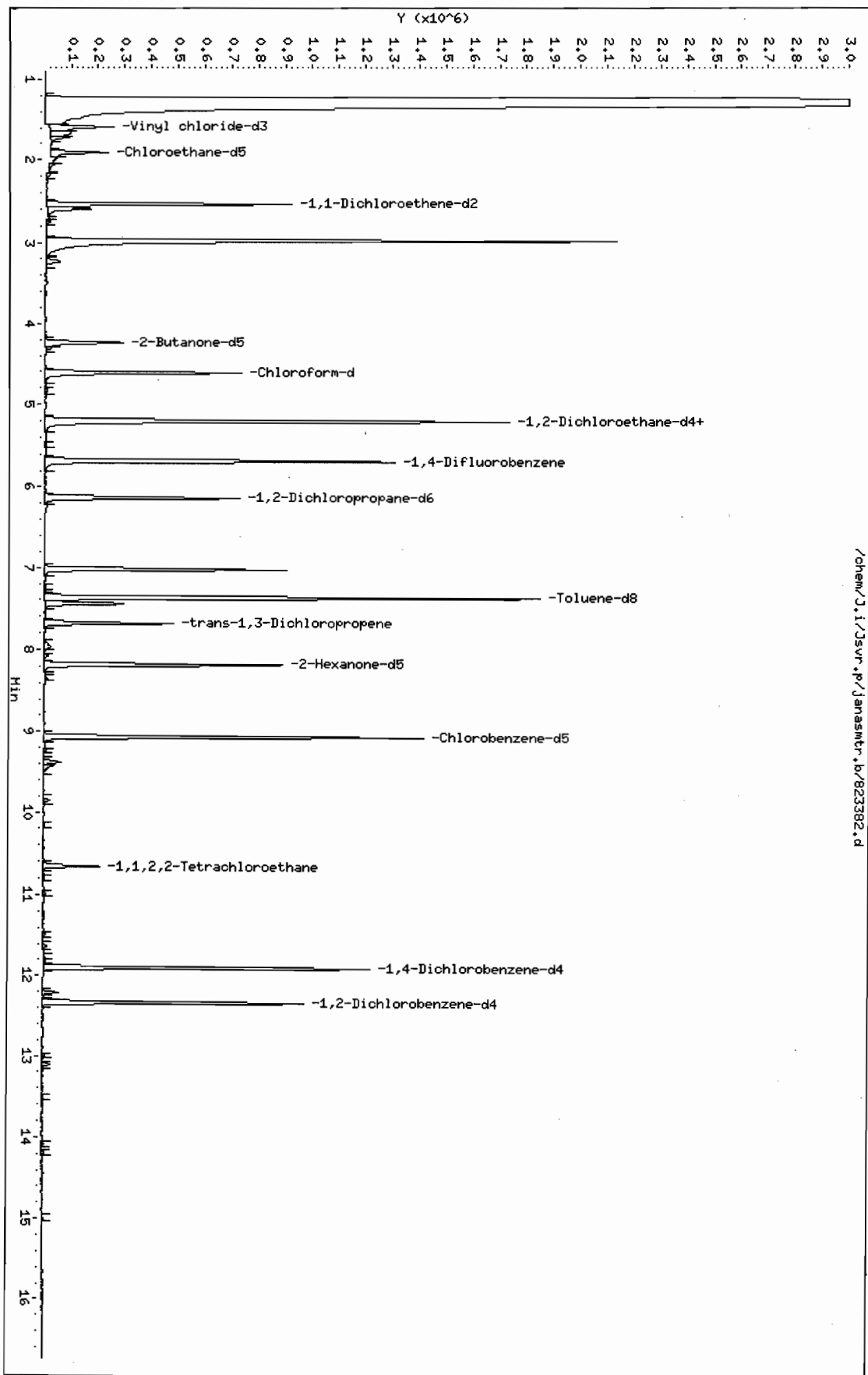
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	3.3	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmt.r.b/823382.d
Date: 26-MAR-2010 15:59
Client ID: D5 2 HIGH
Sample Info: D=5 2X HIGH :T 103/19/10 01455(MATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823382.d
Report Date: 29-Mar-2010 14:31

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823382.d
Lab Smp Id: 823382 Client Smp ID: D5 2 HIGH
Inj Date : 26-MAR-2010 15:59
Operator : MTP Inst ID: J.i
Smp Info : D=5 2% HIGH : [] 03/19/10 @1455(WATER)
Misc Info : 823382,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
								(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						Compound Not Detected.		
2 Chloromethane	50						Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65			1.593	1.599	(0.280)	441633	4.51180	4.5 (M)
4 Vinyl chloride	62						Compound Not Detected.		
5 Bromomethane	94						Compound Not Detected.		
\$ 6 Chloroethane-d5	69			1.909	1.909	(0.336)	288036	4.45607	4.5
7 Chloroethane	64						Compound Not Detected.		
8 Trichlorofluoromethane	101						Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63			2.536	2.542	(0.446)	727527	3.70743	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	(0.457)	219614	43.9692	44
13 Carbon disulfide	76						Compound Not Detected.		
14 Methyl acetate	43						Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	917365	16.3948	16
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.229	3.236	(0.568)	51520	0.58436	0.58
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	470094	51.6497	52
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.300	4.300	(0.757)	29653	3.22946	3.2(a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	656840	4.99127	5.0(Q)
24 Chloroform	83	4.635	4.635	(0.816)	28005	0.22694	0.23(aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.188	(0.912)	260451	5.30051	5.3
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1420969	4.53750	4.5
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1092833	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	362138	4.69161	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	7.366	7.366	(0.813)	1324941	4.65240	4.7
41 Toluene	91	7.445	7.445	(0.821)	222061	0.64234	0.64
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	290324	4.85684	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	8.175	8.181	(0.902)	345211	50.6118	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	9.064	9.064	(1.000)	824624	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	10.651	10.657	(1.175)	119776	4.92742	4.9
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	352764	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	====		==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	267475	4.66241		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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823382.d
Report Date: 29-Mar-2010 14:31

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823382.d
Lab Smp Id: 823382 Client Smp ID: D5 2 HIGH
Inj Date : 26-MAR-2010 15:59
Operator : MTP Inst ID: J.i
Smp Info : D=5 2% HIGH :[]03/19/10 @1455(WATER)
Misc Info : 823382,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2766982	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
7.020	1816771	3.28294600	3.3	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823382.d

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Date : 26-MAR-2010 15:59

Client ID: D5 2 HIGH

Instrument: J.i

Sample Info: D=5 2% HIGH :I 103/19/10 @1455(WATER)

Purge Volume: 25.0

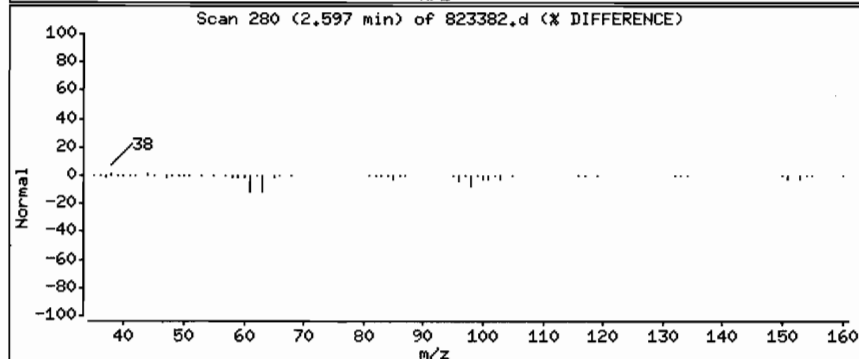
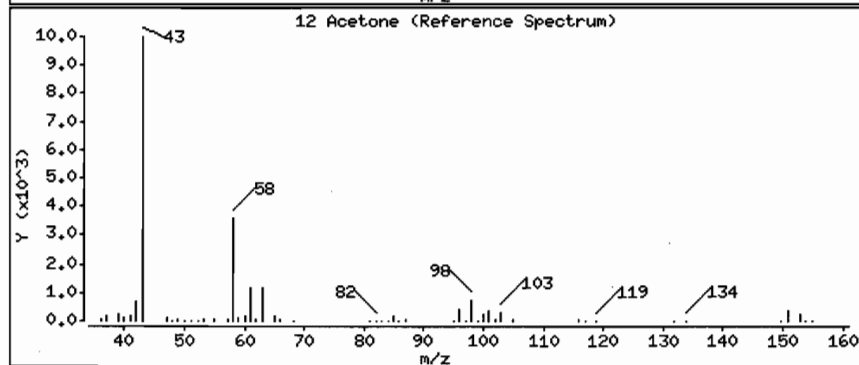
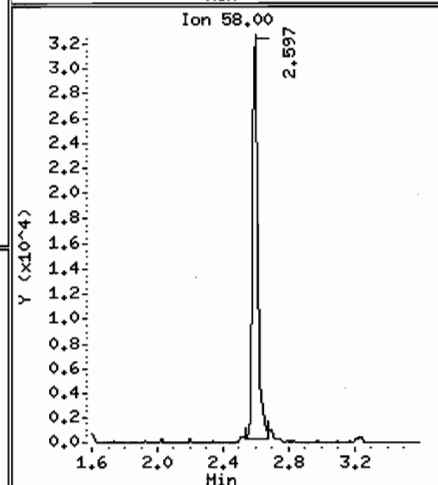
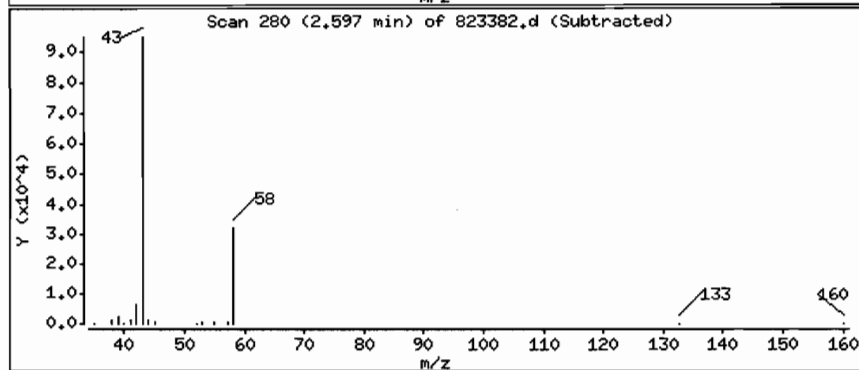
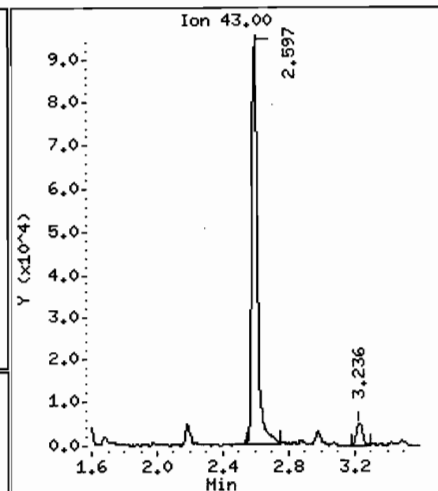
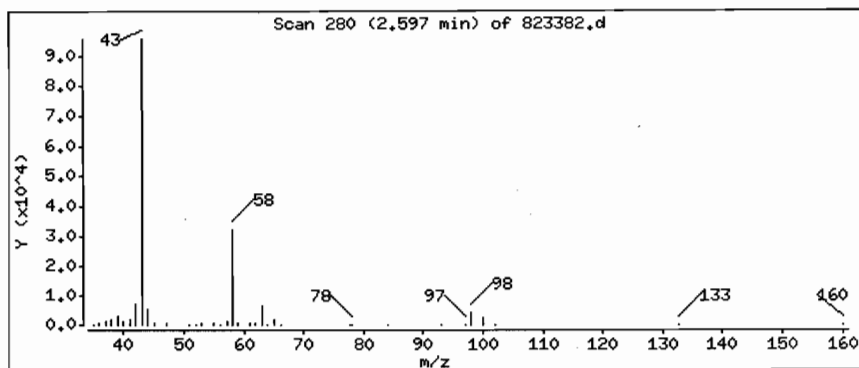
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 44 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823382.d

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Date : 26-MAR-2010 15:59

Client ID: D5 2 HIGH

Instrument: J.i

Sample Info: D=5 2% HIGH :[103/19/10 @1455(WATER)

Purge Volume: 25.0

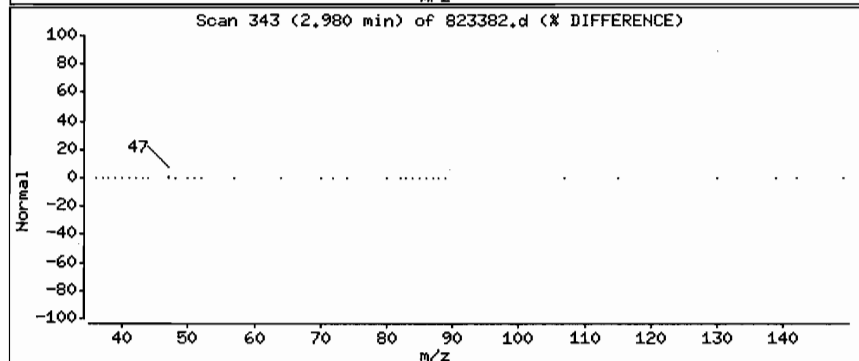
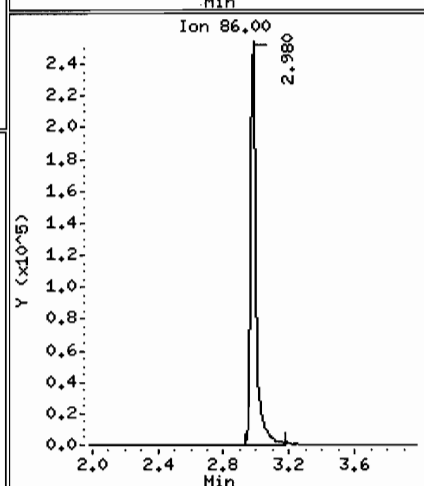
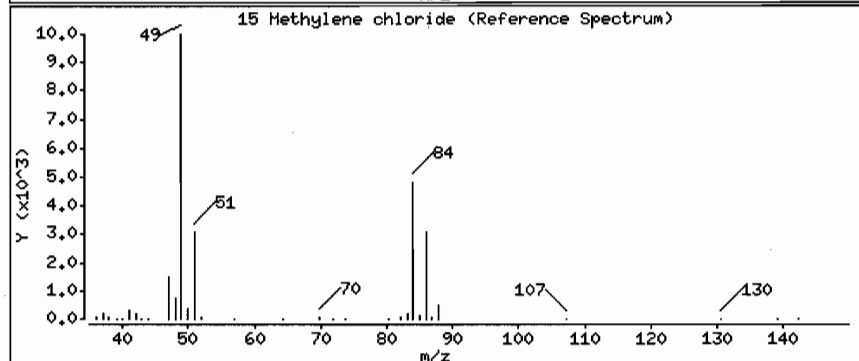
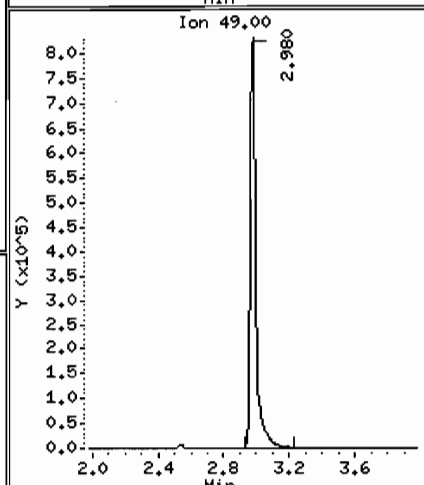
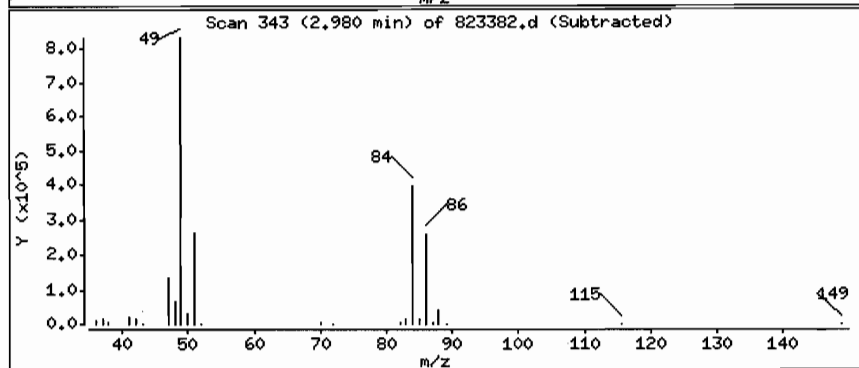
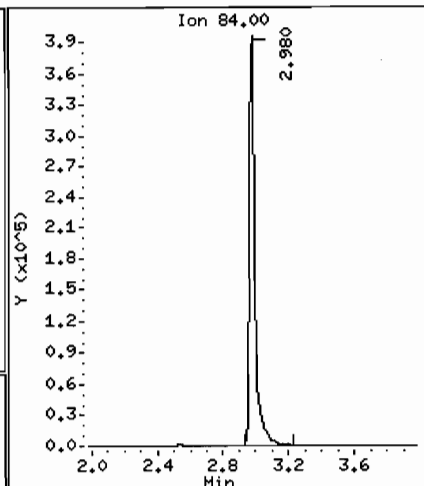
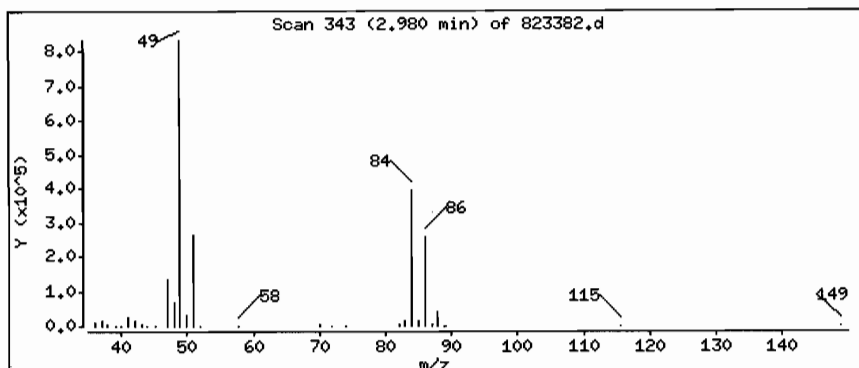
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 16 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823382.d

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Date : 26-MAR-2010 15:59

Client ID: D5 2 HIGH

Instrument: J.i

Sample Info: D=5 2% HIGH :[103/19/10 @1455(WATER)

Purge Volume: 25.0

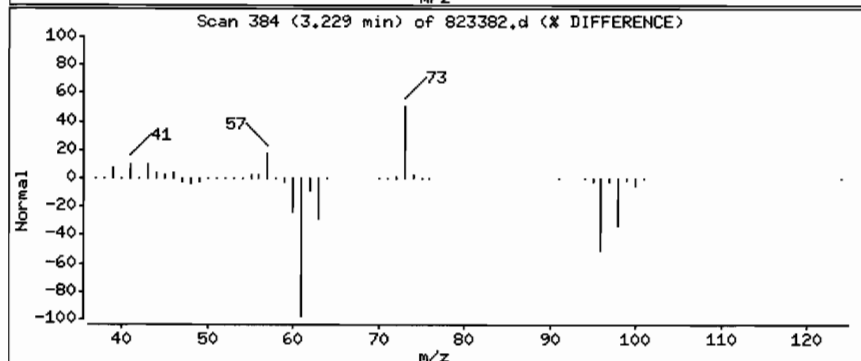
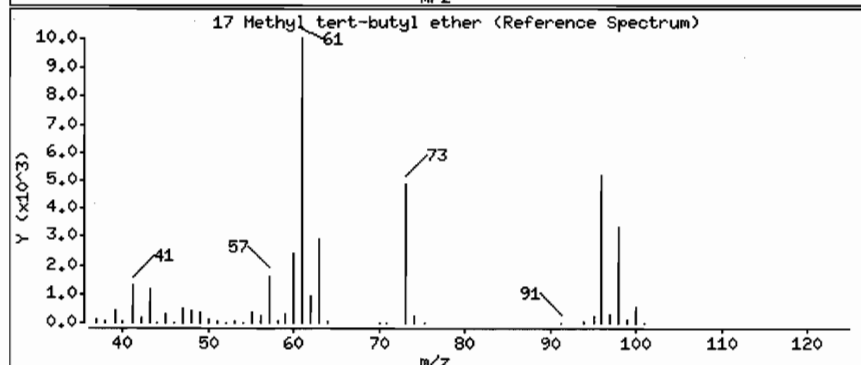
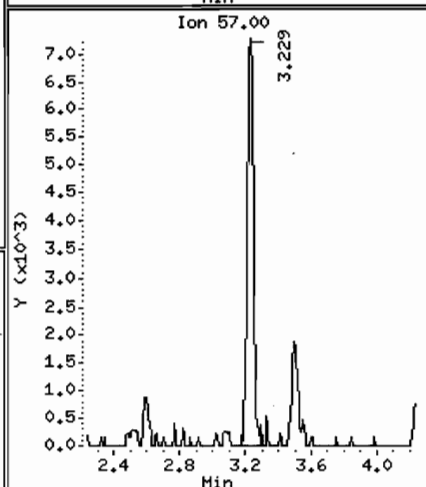
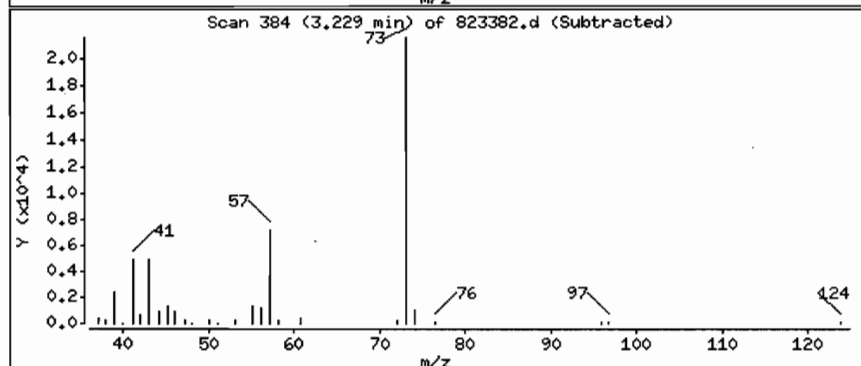
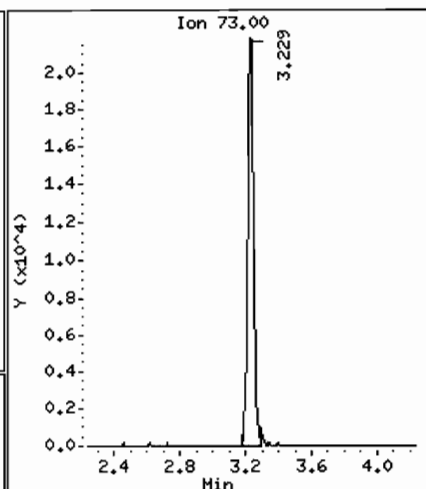
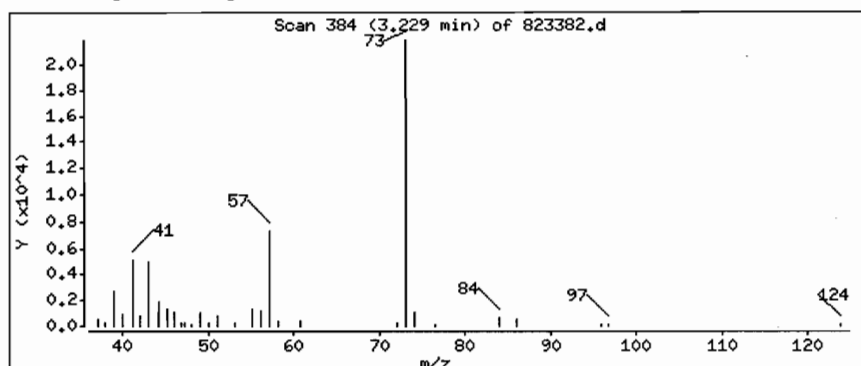
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.58 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823382.d

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Date : 26-MAR-2010 15:59

Client ID: D5 2 HIGH

Instrument: J.i

Sample Info: D=5 2% HIGH :[103/19/10 @1455(WATER)

Purge Volume: 25.0

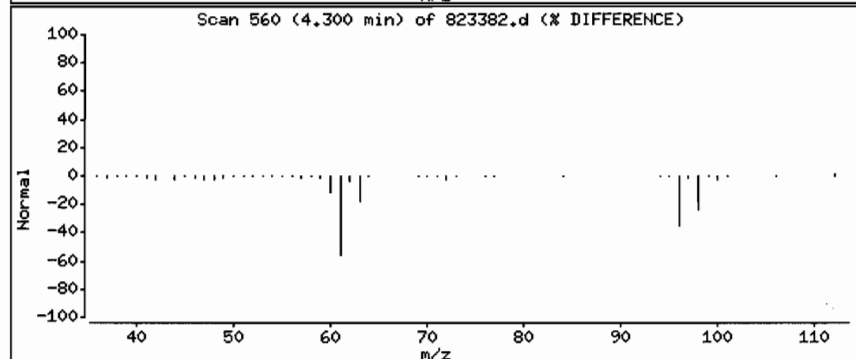
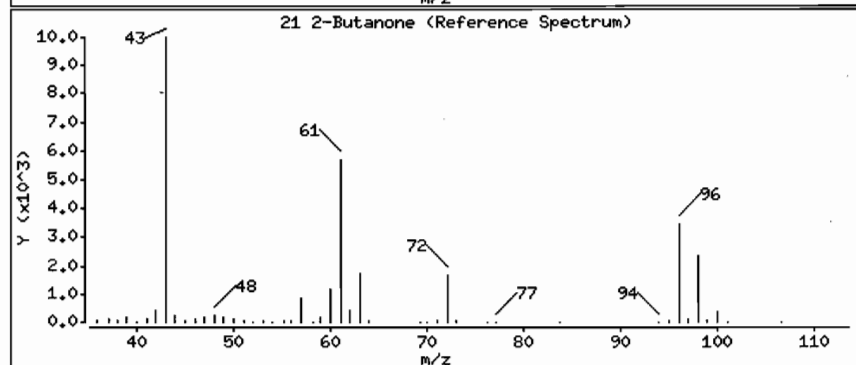
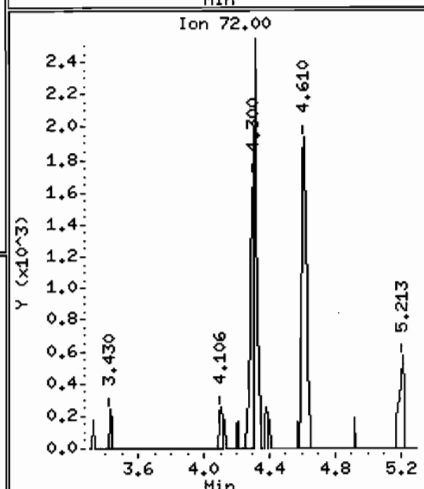
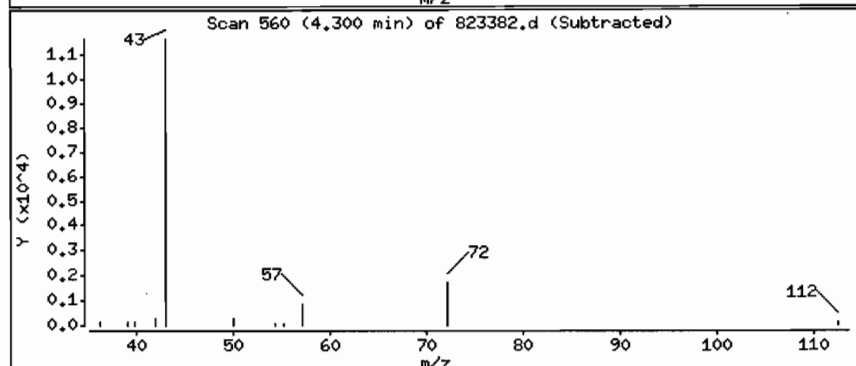
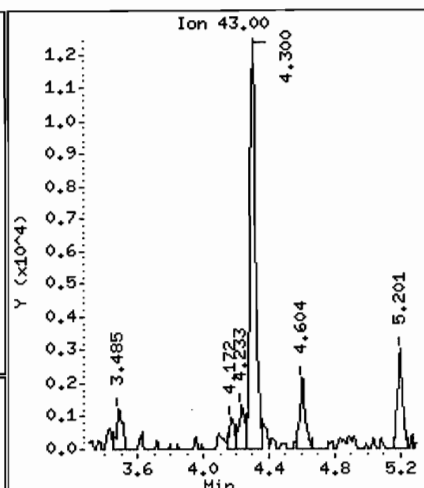
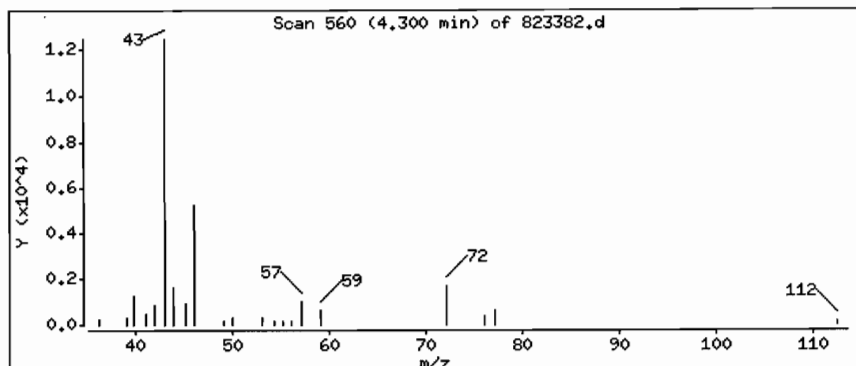
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.2 ug/L



Date : 26-MAR-2010 15:59

Client ID: D5 2 HIGH

Instrument: J.i

Sample Info: D=5 2% HIGH ; I 103/19/10 @1455(WATER)

Purge Volume: 25.0

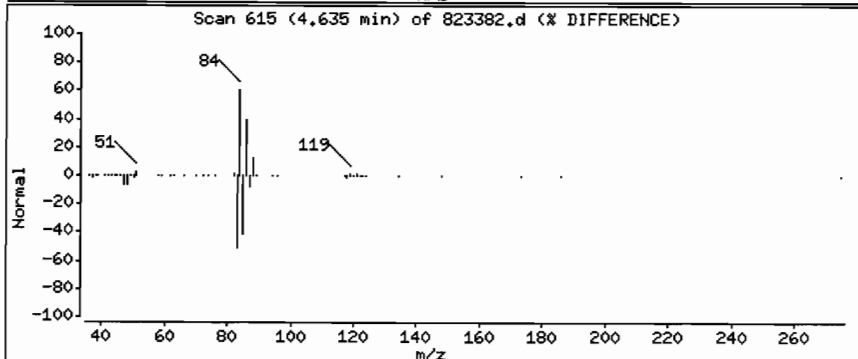
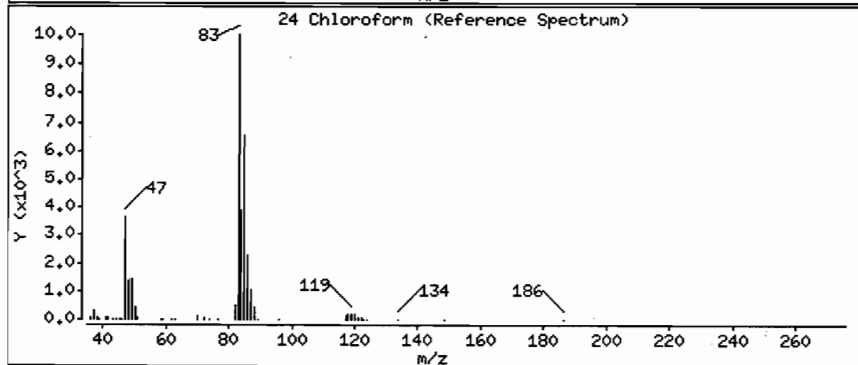
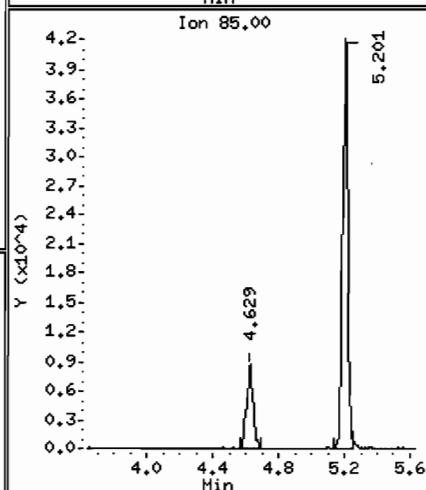
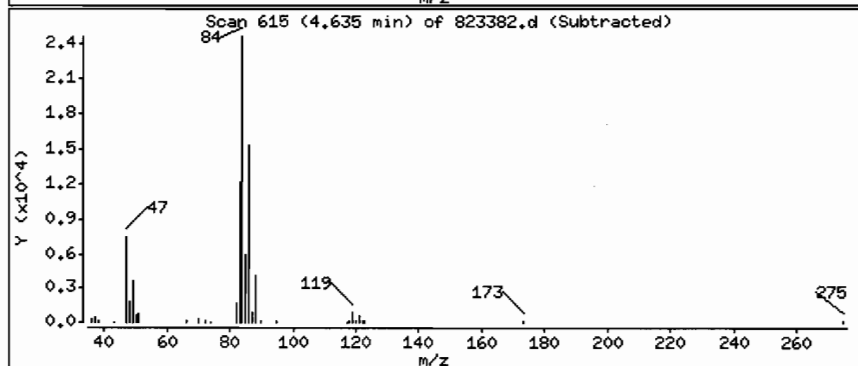
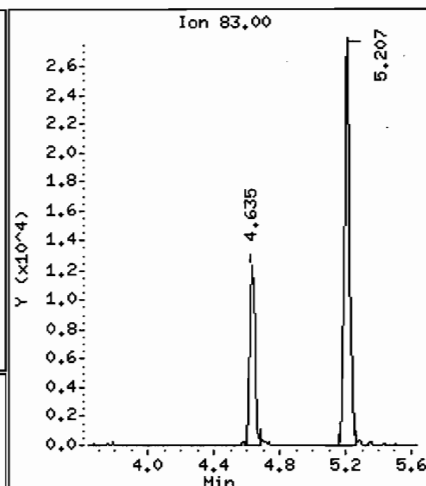
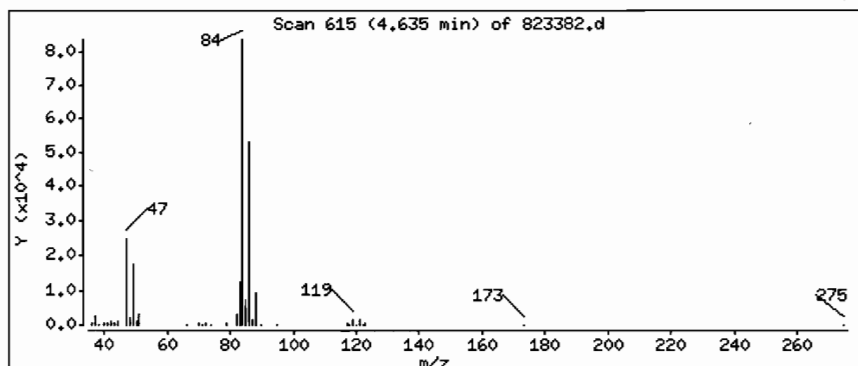
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.23 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.r.b/823382.d

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Date : 26-MAR-2010 15:59

Client ID: D5 2 HIGH

Instrument: J.i

Sample Info: D=5 2% HIGH :I 103/19/10 @1455(WATER)

Purge Volume: 25.0

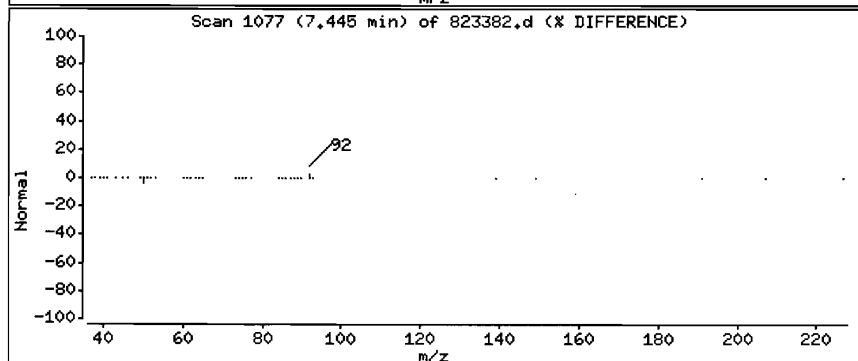
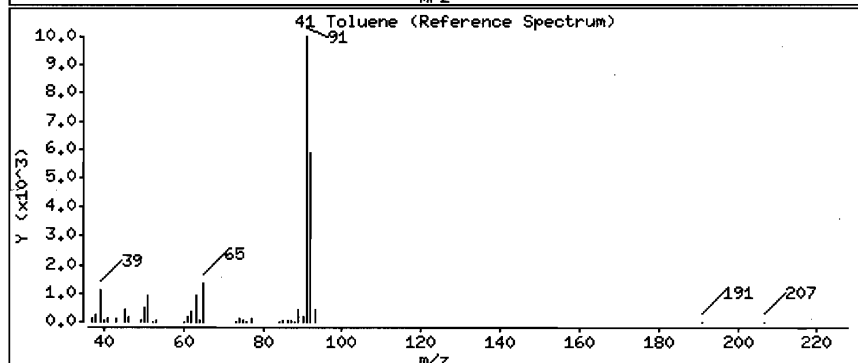
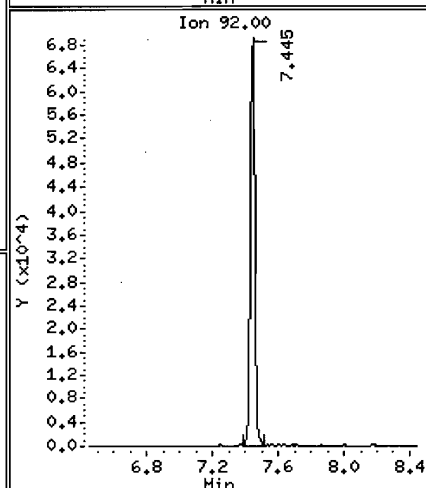
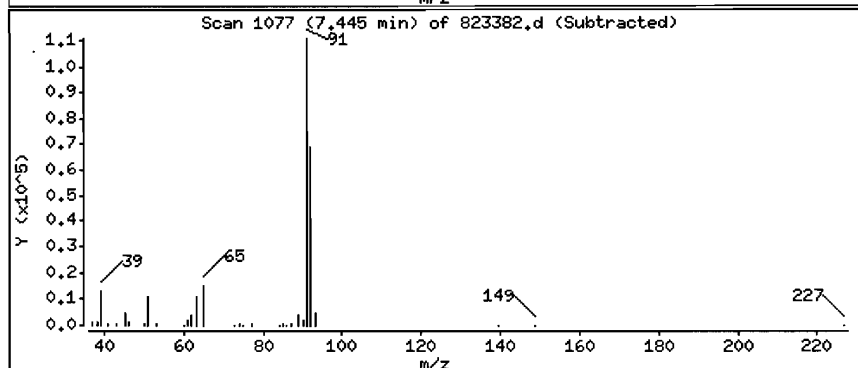
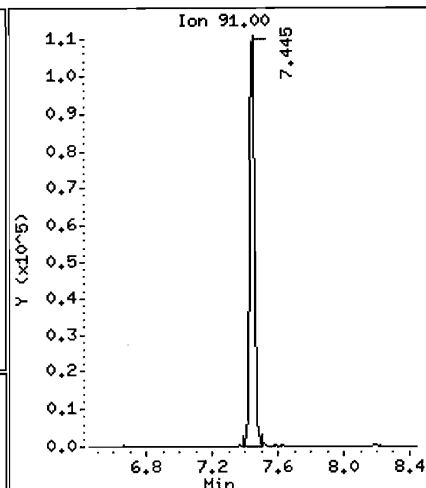
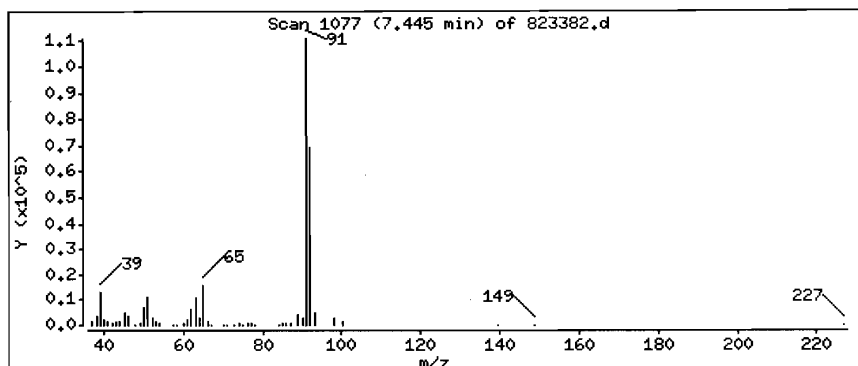
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.64 ug/L



Date : 26-MAR-2010 15:59

Client ID: D5 2 HIGH

Instrument: J.i

Sample Info: D=5 2% HIGH :I 103/19/10 @1455(WATER)

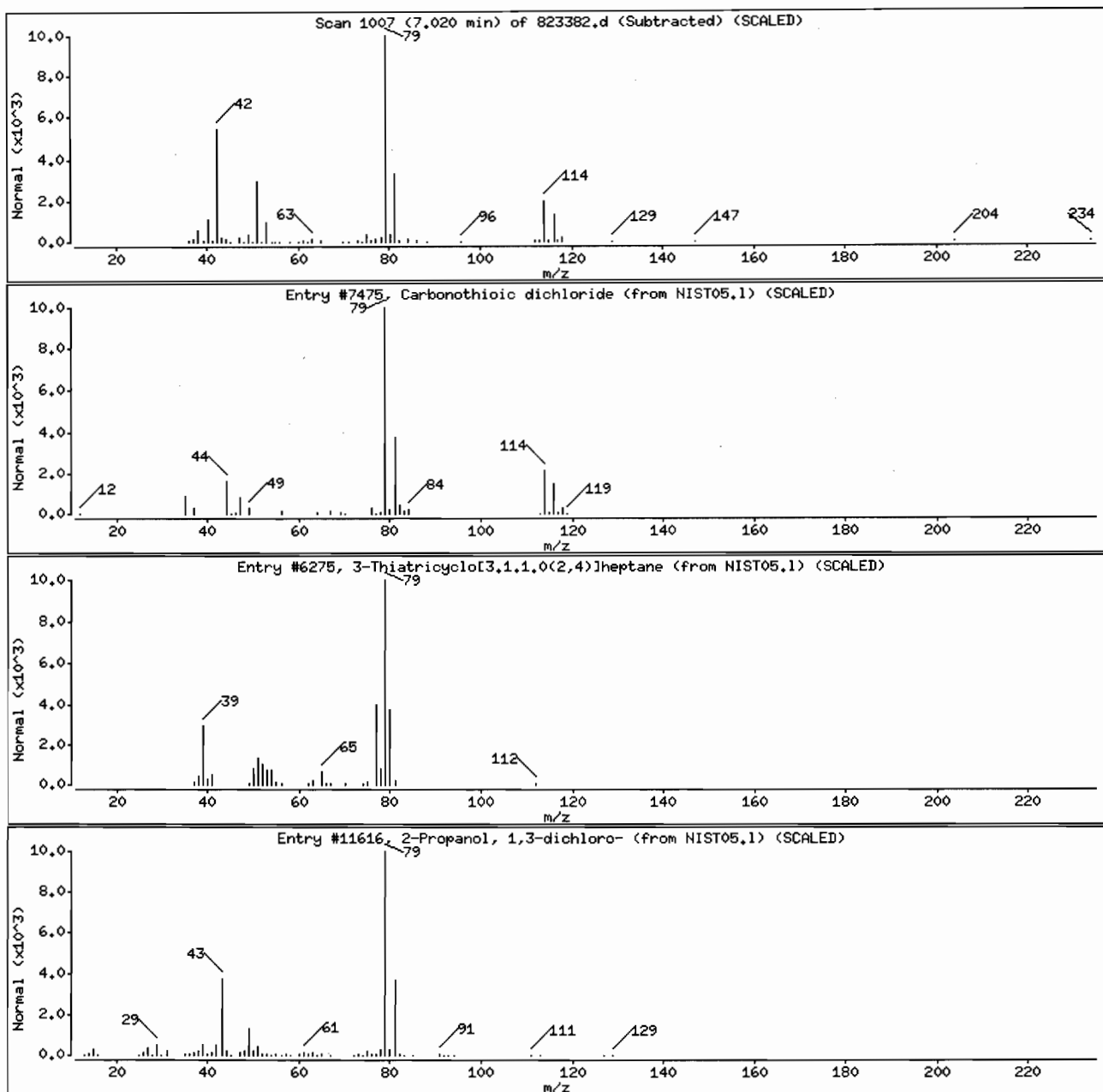
Purge Volume: 25.0

Operator: MTP

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	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	17	C ₃ H ₆ Cl ₂ O	128



MANUAL INTEGRATION REPORT

Data File Name: 823382.d

Inj. Date and Time: 26-MAR-2010 15:59

Target Version: Target 3.50

Client Sample ID: D5 2 HIGH

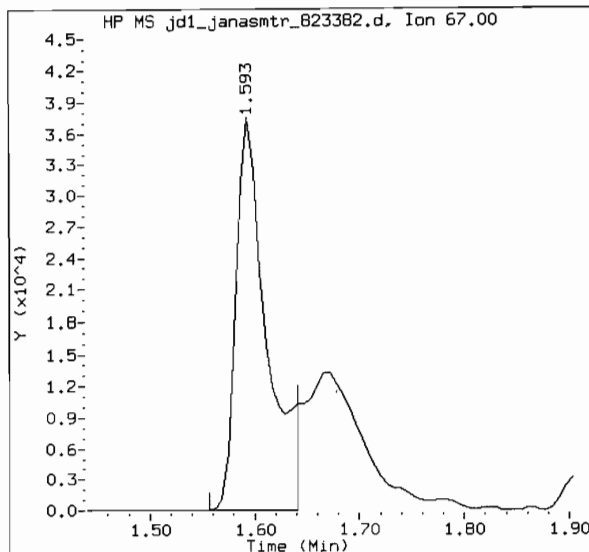
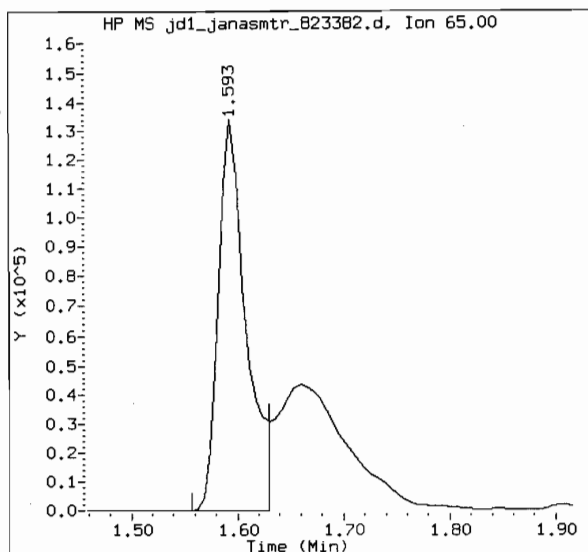
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

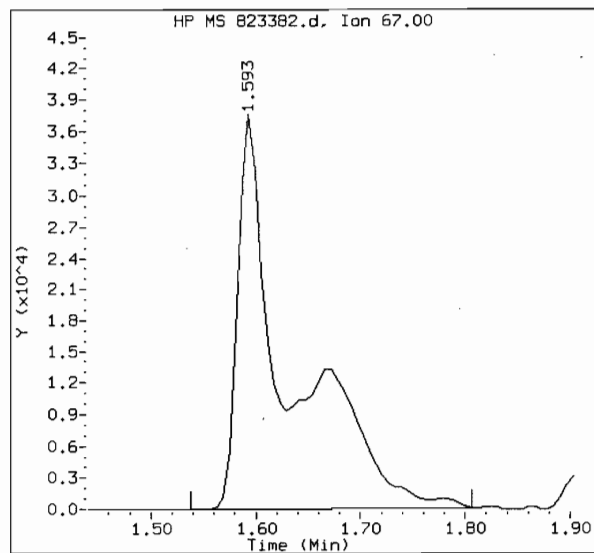
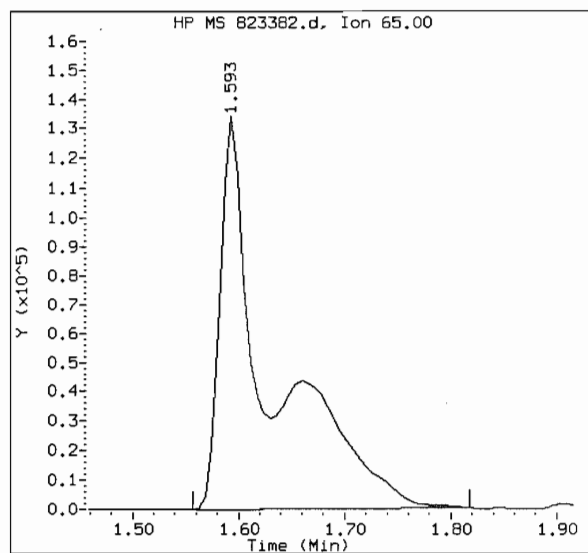
Report Date: 03/29/2010 14:31



Original Integrations:

Area = 246723

Area = 78458



Final Integrations:

Area = 441633

Area = 127602

Manual Integration Reason: M11 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D5 2 MEDIUM

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823383

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823383

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	38	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	16	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.57	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	3.0	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.24	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.
D5 2 MEDIUM

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823383
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823383
Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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	0.51	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	0.60	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.
D5 2 MEDIUM

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823383
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823383
Level: (TRACE or LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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)

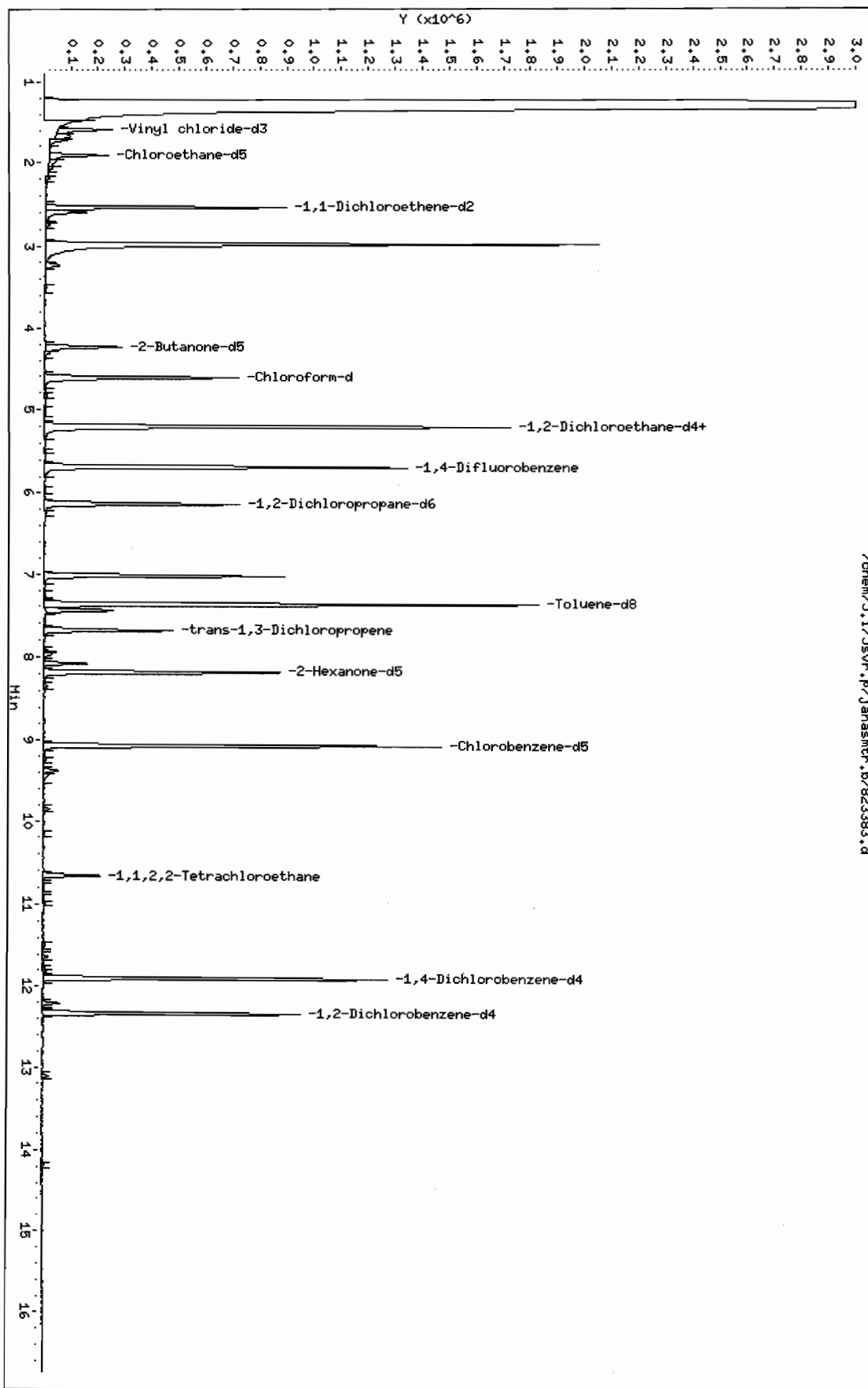
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	7.02	3.2	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823383.d
Date : 26-MAR-2010 16:27
Client ID: D5 2 MEDIUM
Sample Info: D=5 2X MEDIUM : I 103/19/10 @1520(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823383.d
Lab Smp Id: 823383 Client Smp ID: D5 2 MEDIUM
Inj Date : 26-MAR-2010 16:27
Operator : MTP Inst ID: J.i
Smp Info : D=5 2% MEDIUM : [] 03/19/10 @1520(WATER)
Misc Info : 823383,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	435273	4.36108	4.4 (M)
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	290826	4.41247	4.4
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	725573	3.62617	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	2.597	2.597	(0.457)	193864	38.0653	38
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
-----	----	==	=====	=====	-----	-----	-----
15 Methylene chloride	84	2.980	2.980	(0.525)	885256	15.5159	16
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.229	3.236	(0.568)	50926	0.56648	0.57
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	470397	50.6863	51
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	4.306	4.300	(0.758)	27781	2.96724	3.0(a)
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	640106	4.77032	4.8(Q)
24 Chloroform	83	4.635	4.635	(0.816)	29798	0.23681	0.24(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	5.188	5.188	(0.913)	250785	5.00538	5.0
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)	1426759	4.40069	4.4
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1114321	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	357399	4.47239	4.5
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	7.366	7.366	(0.813)	1291034	4.37881	4.4
41 Toluene	91	7.445	7.445	(0.821)	182002	0.50852	0.51
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	286466	4.62895	4.6
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.078	8.078	(0.891)	39252	0.59927	0.60
\$ 46 2-Hexanone-d5	63	8.175	8.181	(0.902)	336683	47.6789	48
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	853725	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	10.657	10.657	(1.176)	120947	4.80599	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	11.898	11.899	(1.000)	363149	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds		QUANT SIG					CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====		----	--	-----	-----	-----	-----	-----
\$ 63	1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	270892	4.58694	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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823383.d
Report Date: 29-Mar-2010 14:32

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823383.d
Lab Smp Id: 823383 Client Smp ID: D5 2 MEDIUM
Inj Date : 26-MAR-2010 16:27
Operator : MTP Inst ID: J.i
Smp Info : D=5 2% MEDIUM :[]03/19/10 @1520(WATER)
Misc Info : 823383,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2831907	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
7.019	1793018	3.16574238	3.2	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmt.b/823383.d

Page 6

Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM :I 103/19/10 @1520(WATER)

Purge Volume: 25.0

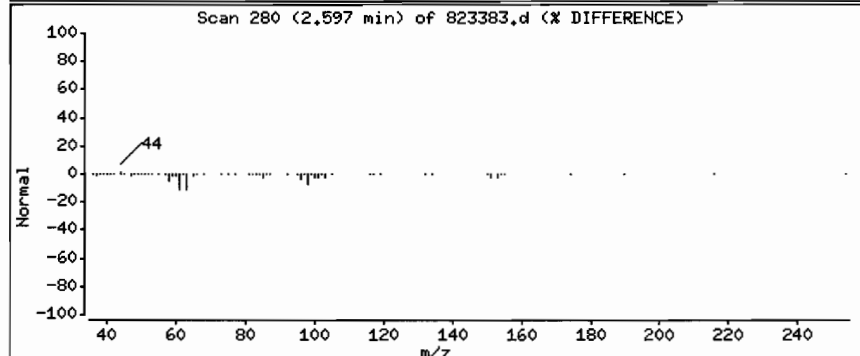
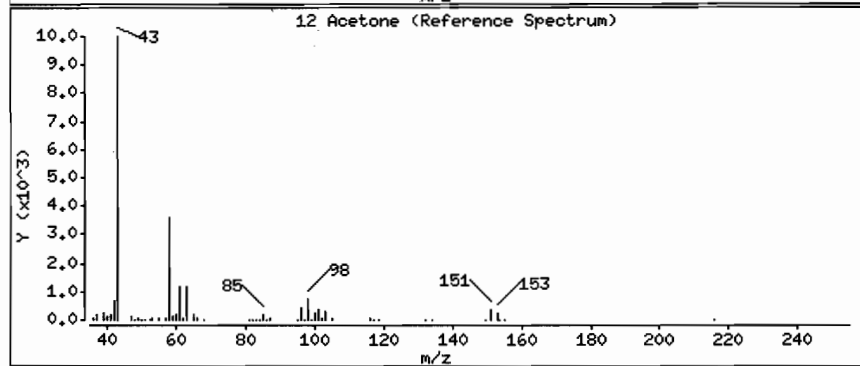
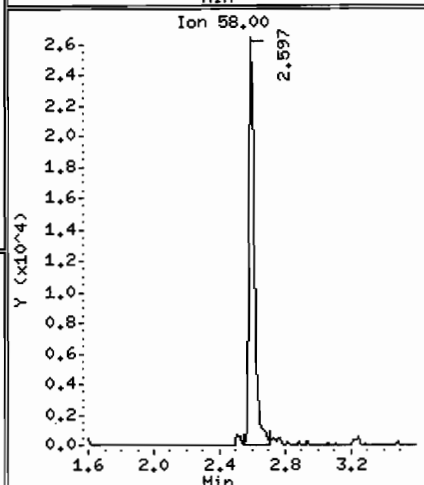
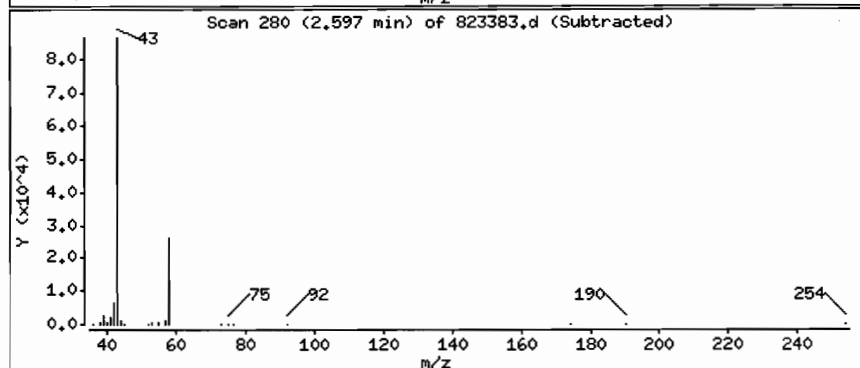
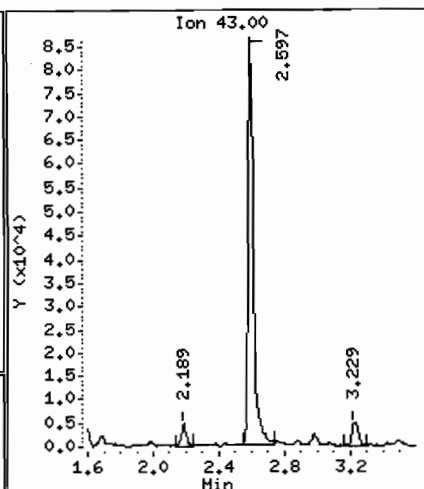
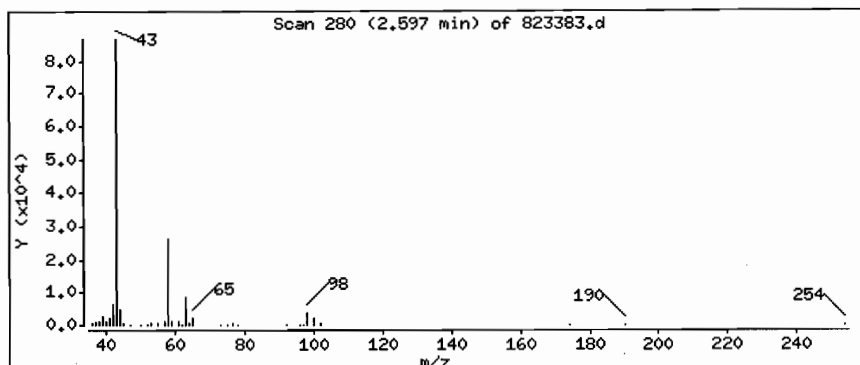
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 38 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr,b/823383.d

Page 7

Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM ;[103/19/10 @1520(WATER)

Purge Volume: 25.0

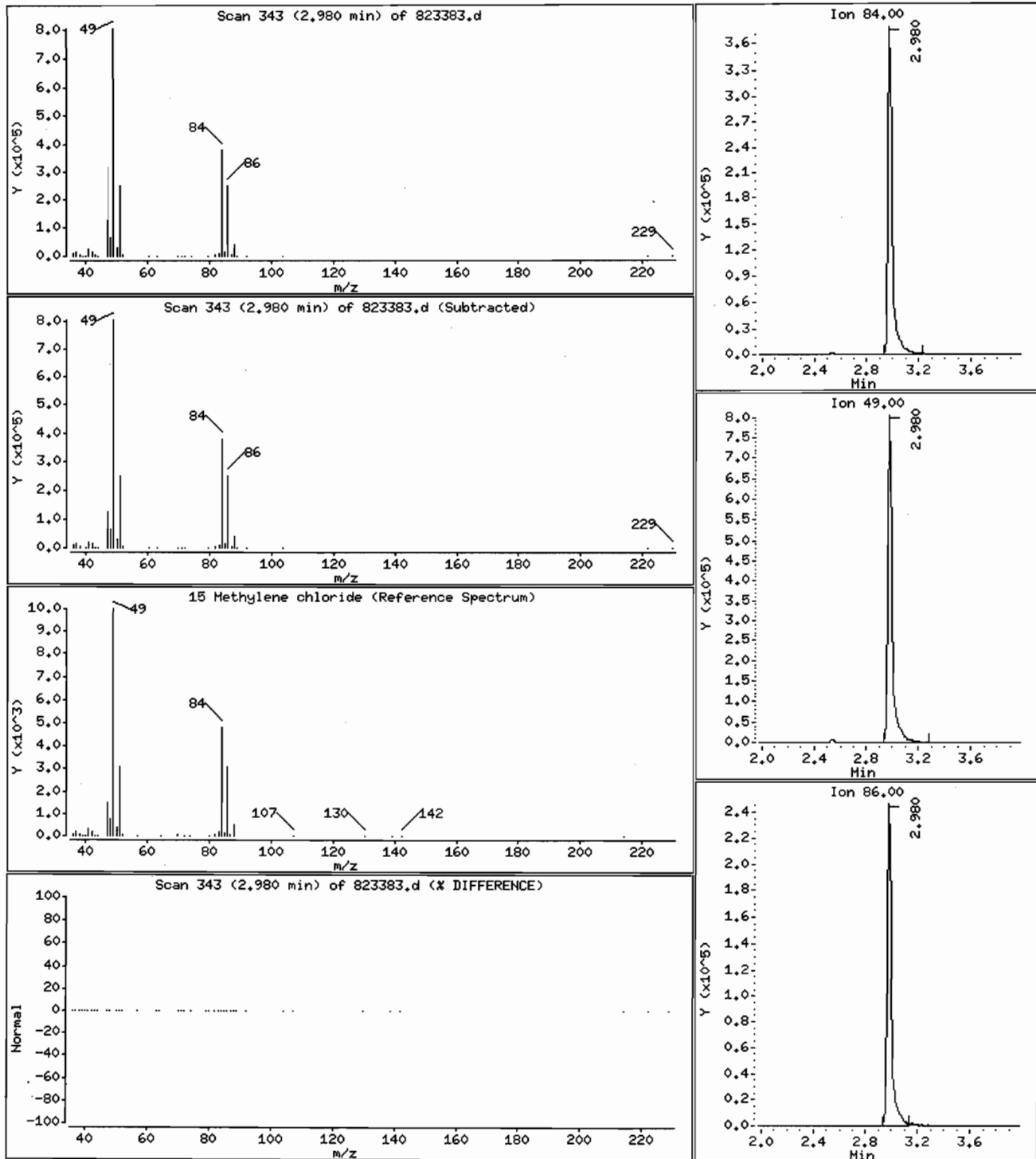
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 16 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823383.d

Page 8

Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM :[103/19/10 @1520(WATER)

Purge Volume: 25.0

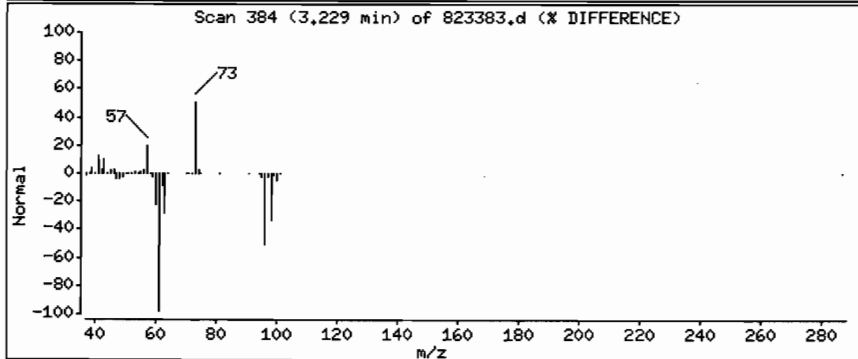
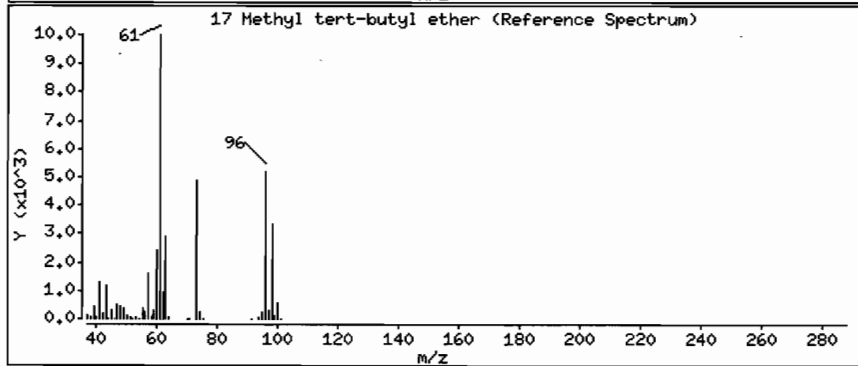
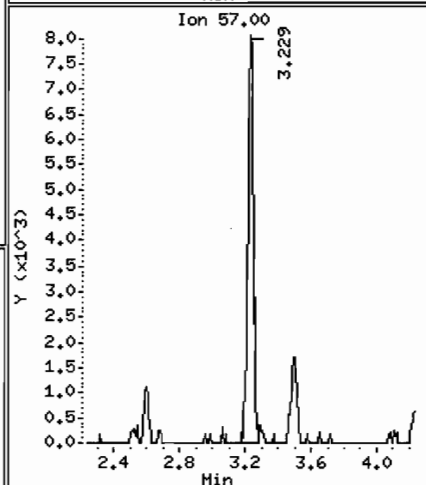
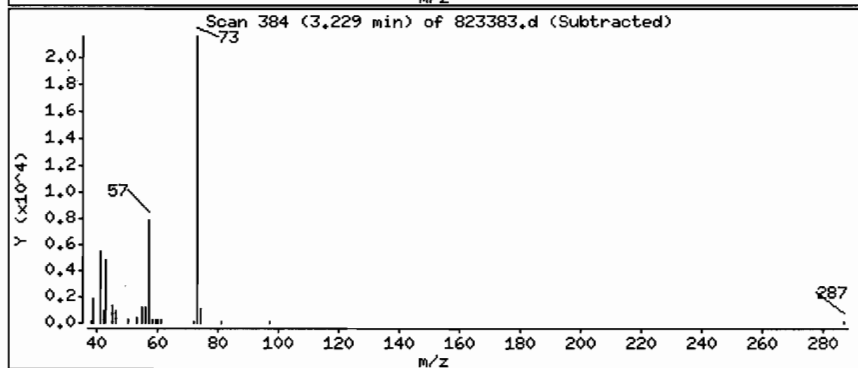
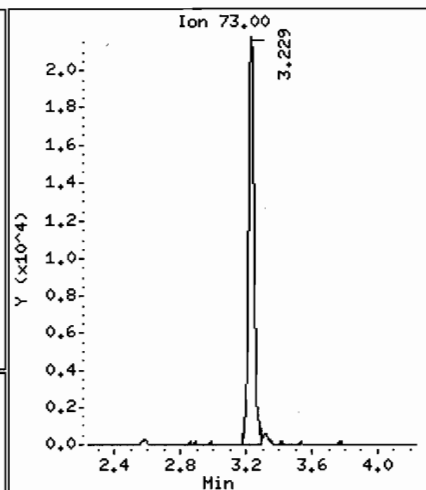
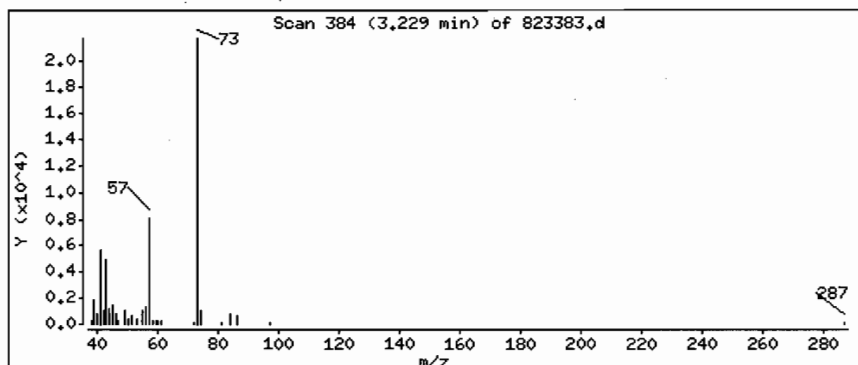
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

17 Methyl tert-butyl ether

Concentration: 0.57 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823383.d

Page 9

Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM :[103/19/10 @1520(WATER)

Purge Volume: 25.0

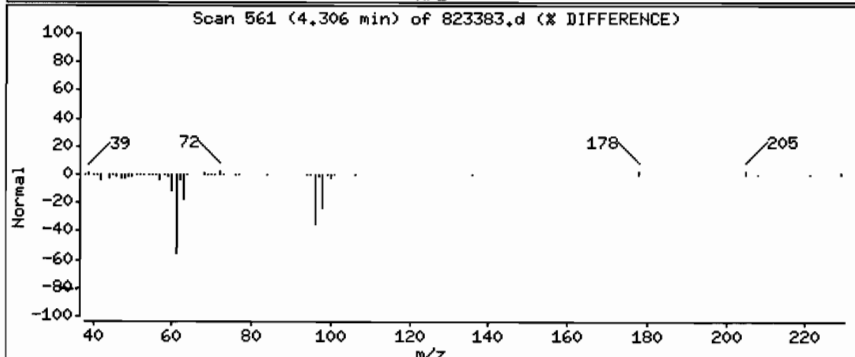
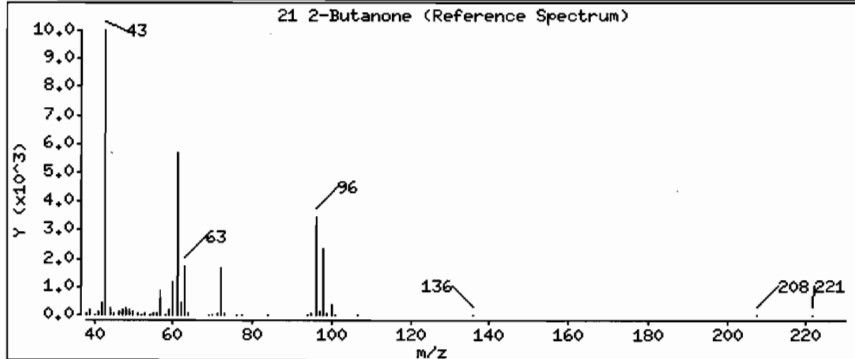
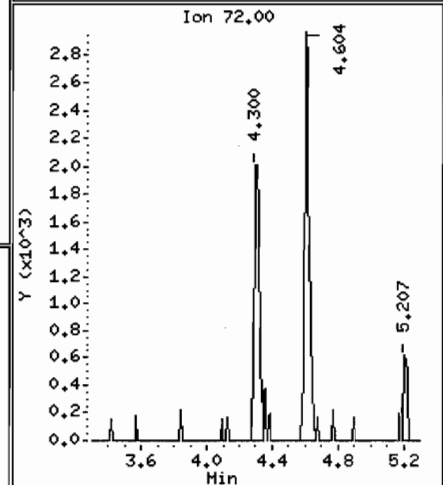
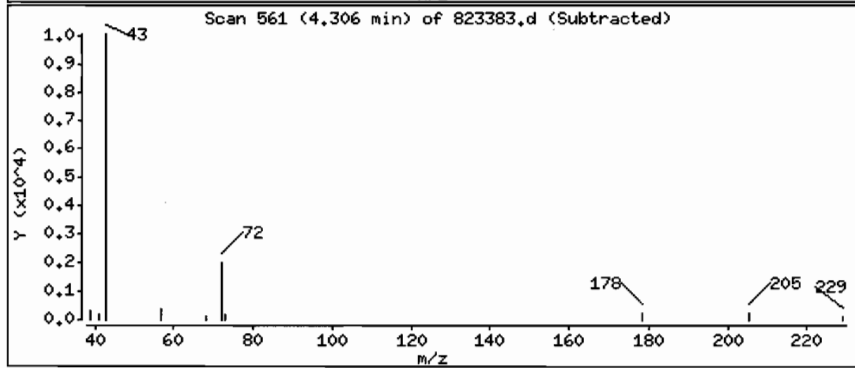
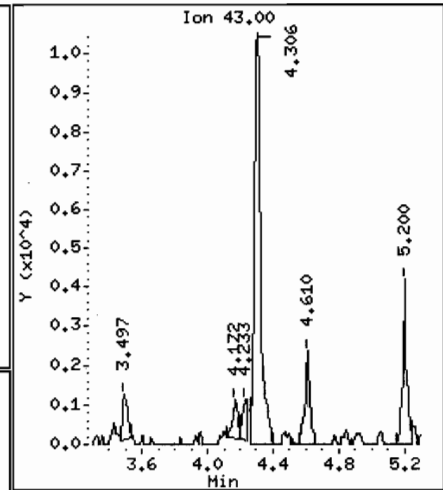
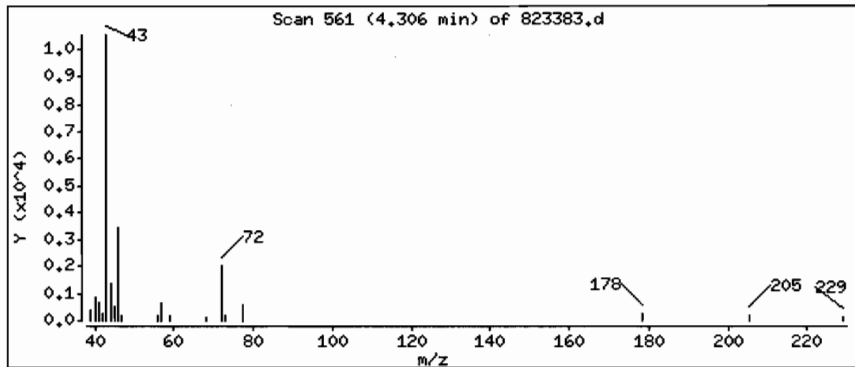
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.0 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823383.d

Page 10

Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM :[103/19/10 @1520(WATER)

Purge Volume: 25.0

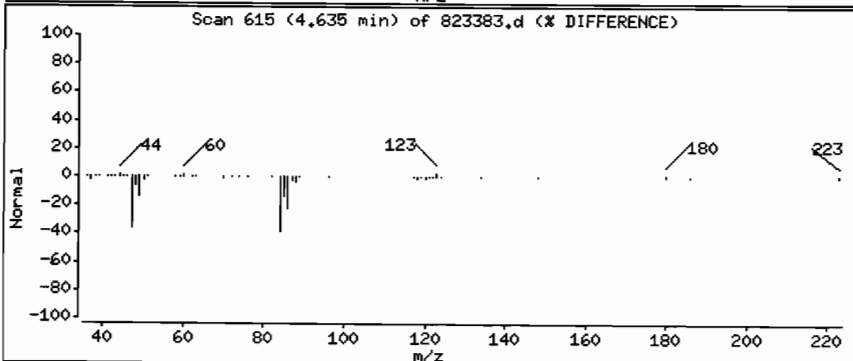
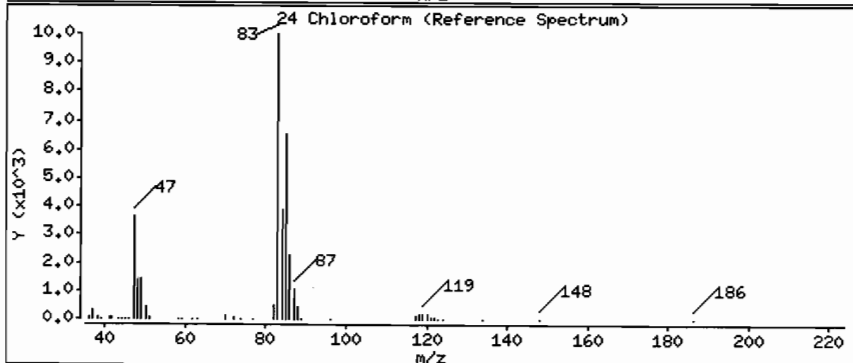
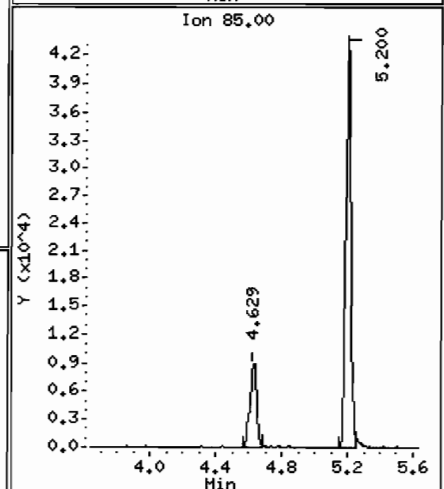
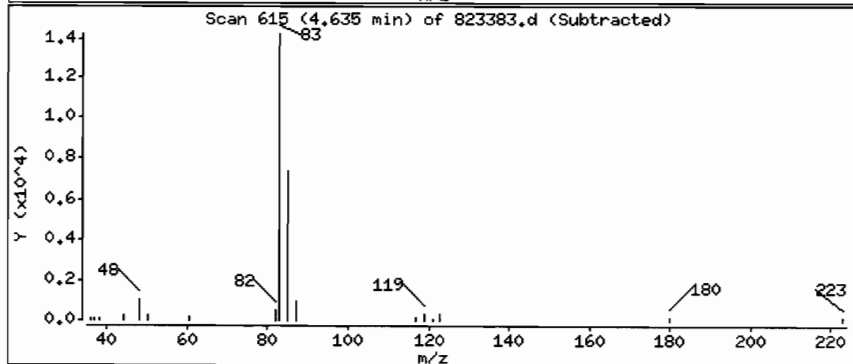
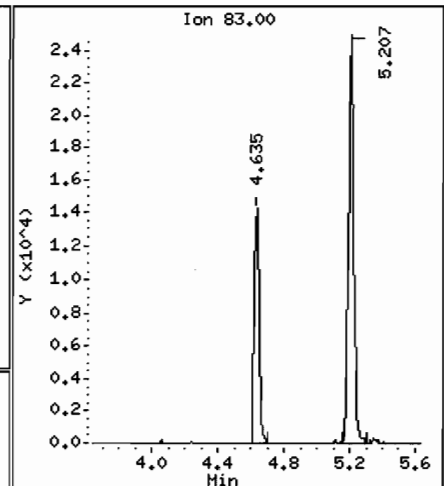
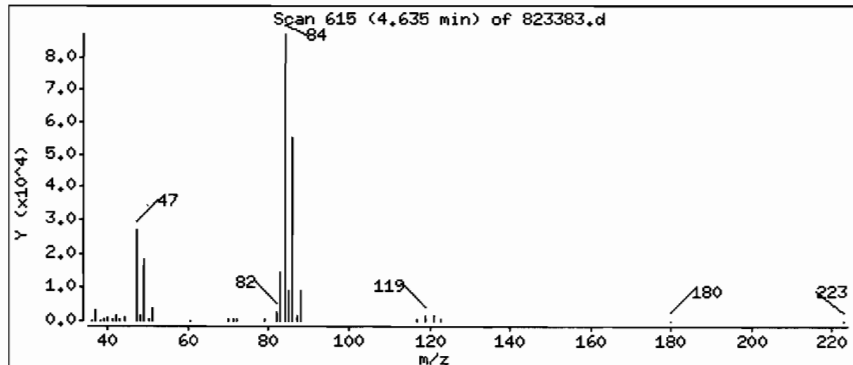
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.24 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823383.d

Page 11

Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM :[103/19/10 @1520(WATER)

Purge Volume: 25.0

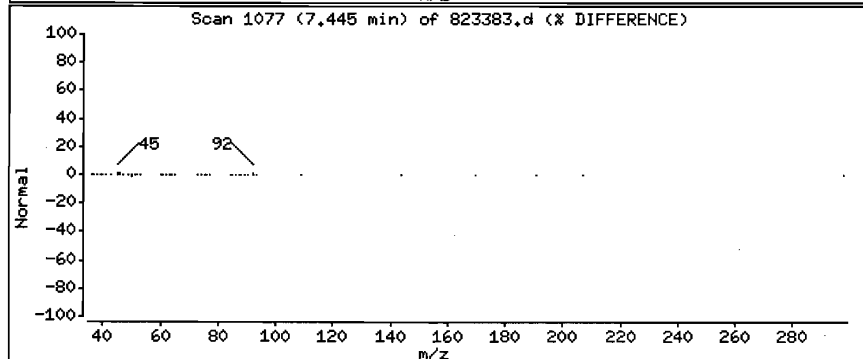
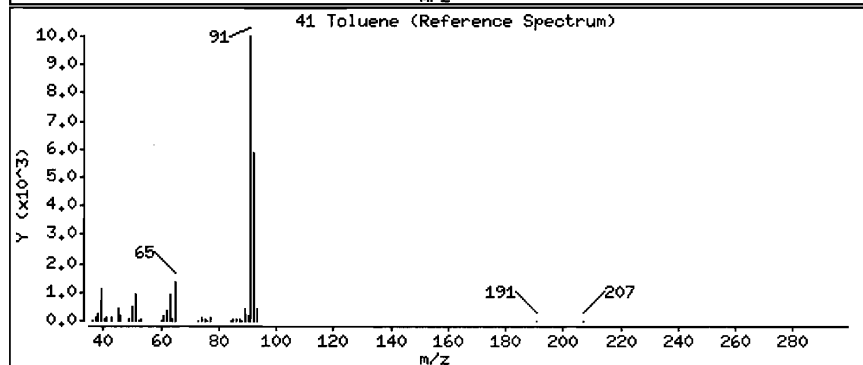
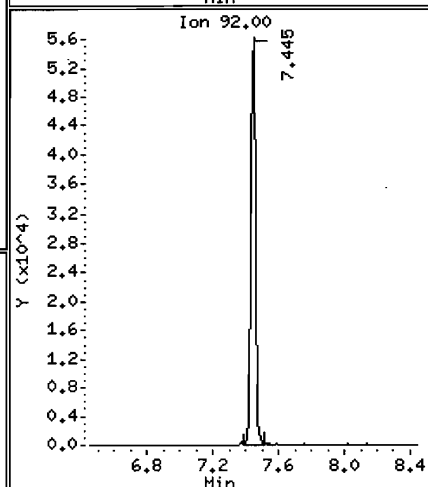
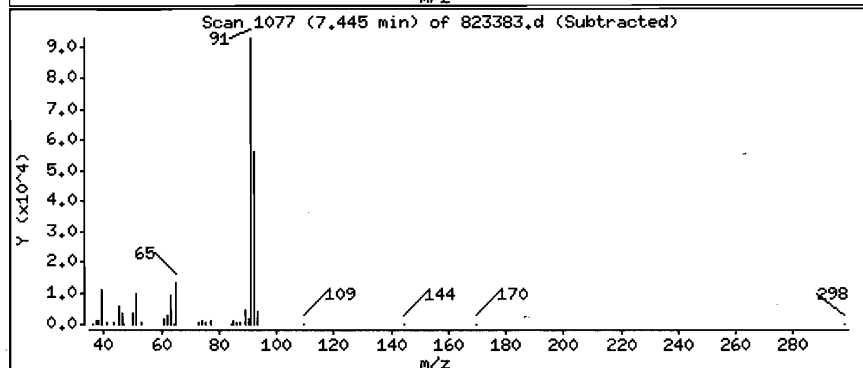
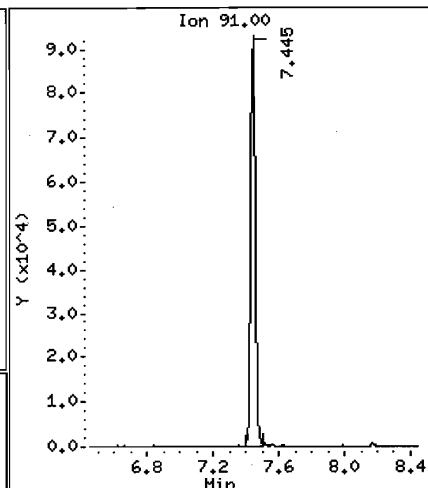
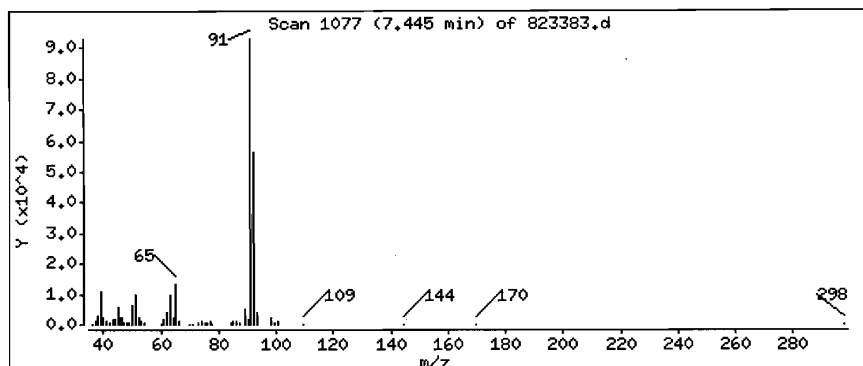
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.51 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823383.d

Page 12

Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM :[103/19/10 @1520(WATER)

Purge Volume: 25.0

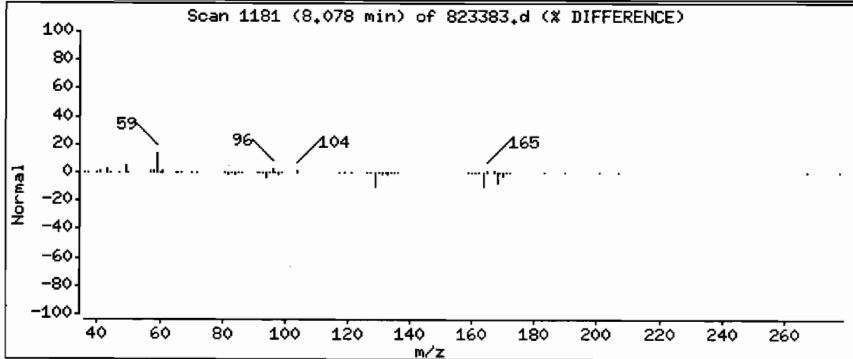
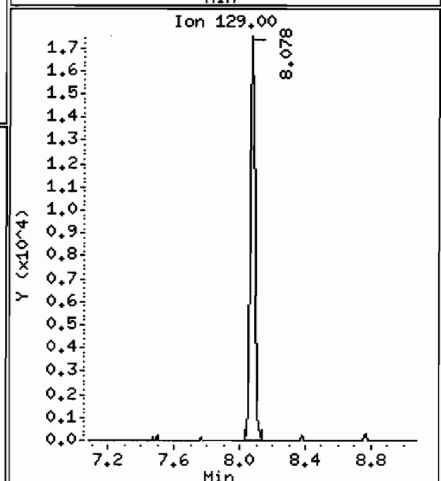
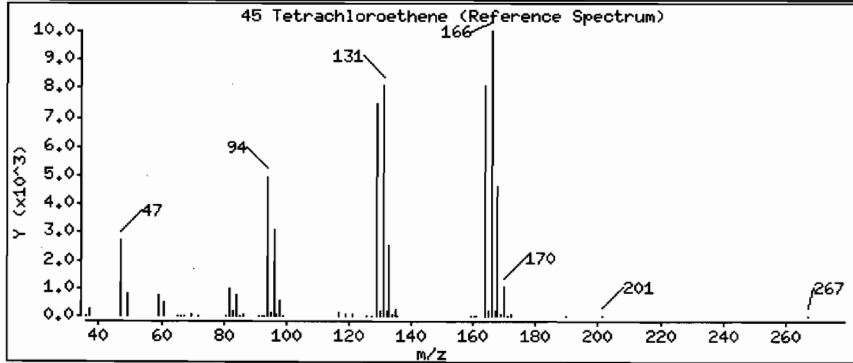
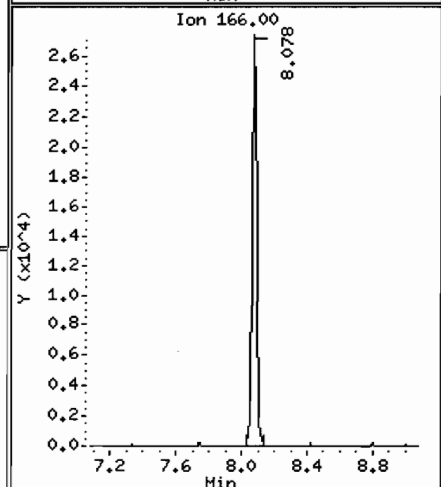
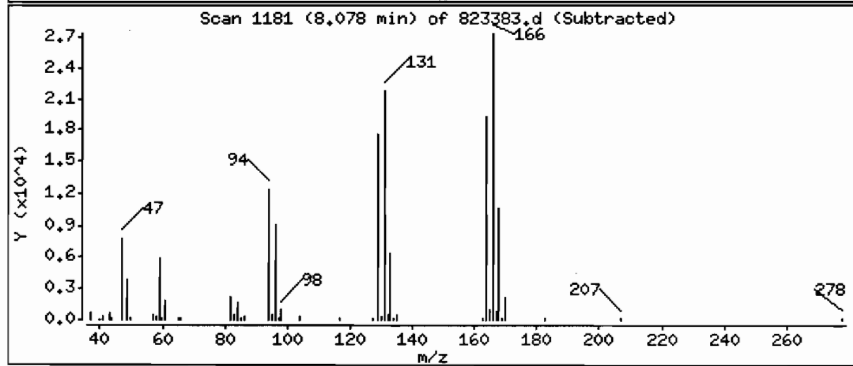
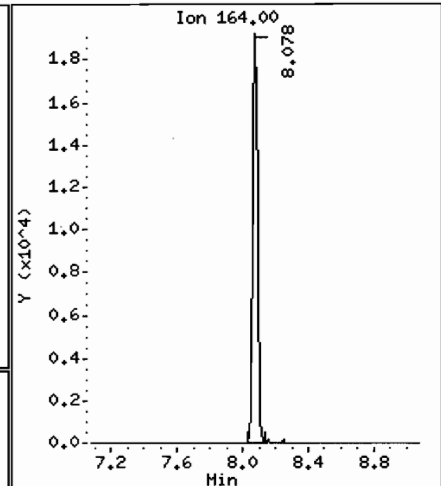
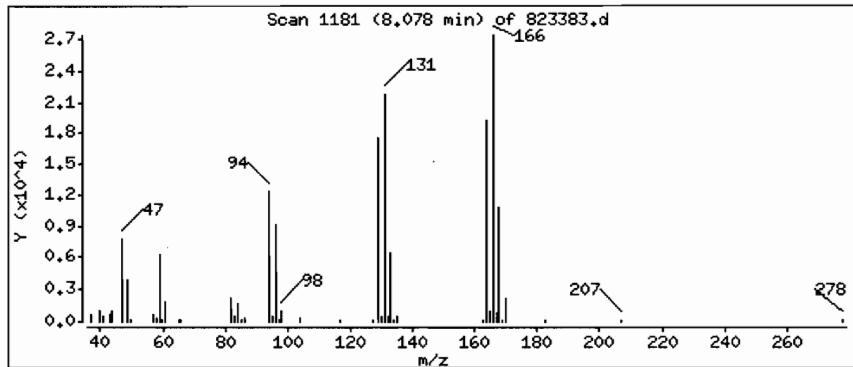
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 0.60 ug/L



Date : 26-MAR-2010 16:27

Client ID: D5 2 MEDIUM

Instrument: J.i

Sample Info: D=5 2% MEDIUM :[103/19/10 @1520(WATER)

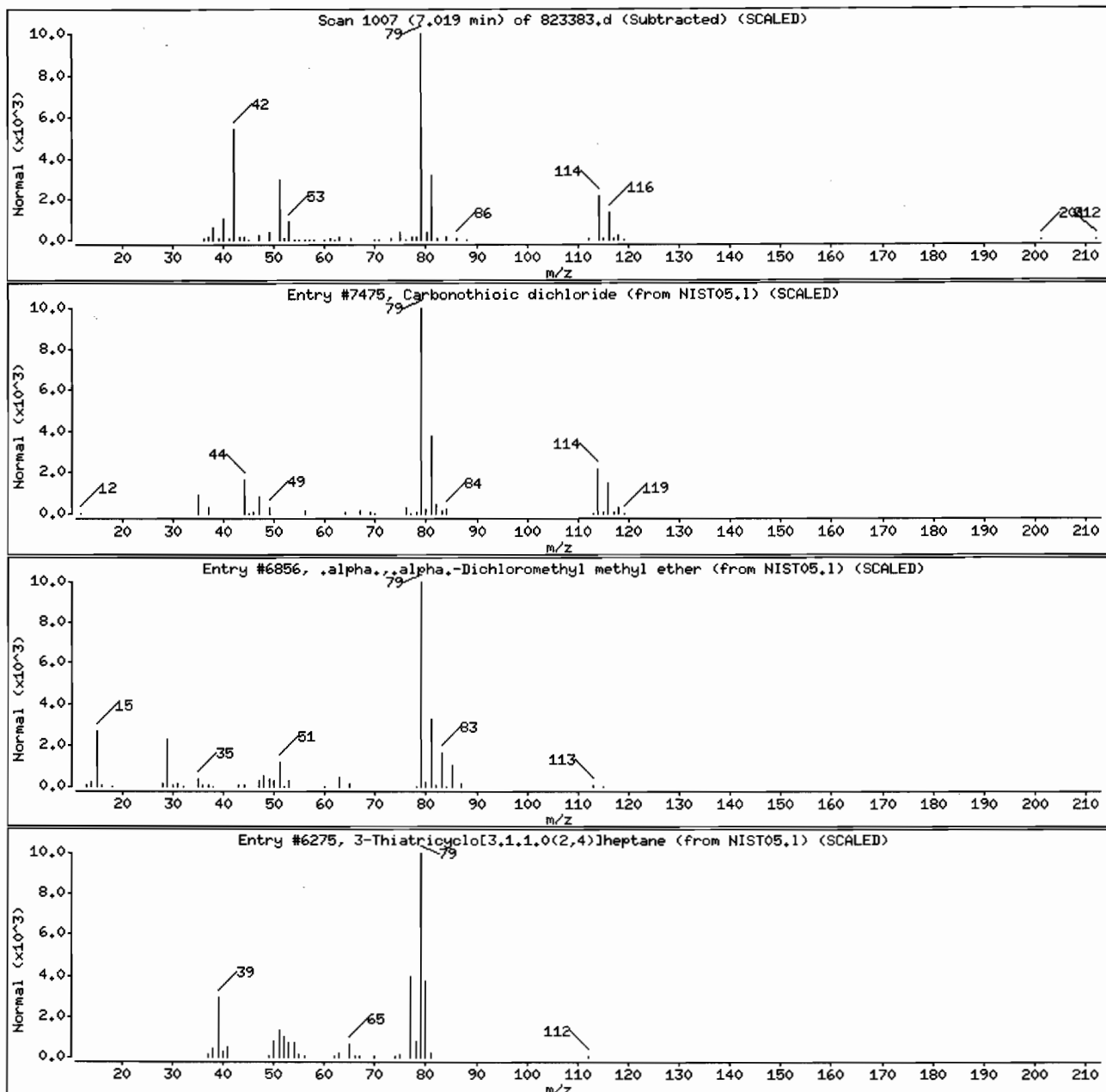
Purge Volume: 25.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	49	CCl2S	114
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	23	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	9	C6H8S	112



MANUAL INTEGRATION REPORT

Data File Name: 823383.d

Inj. Date and Time: 26-MAR-2010 16:27

Target Version: Target 3.50

Client Sample ID: D5 2 MEDIUM

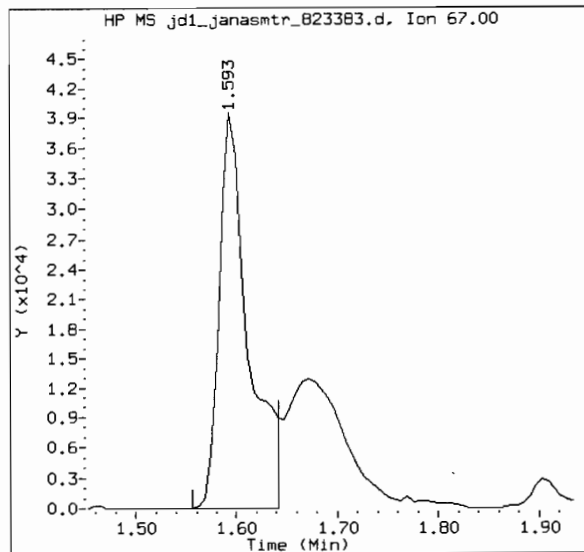
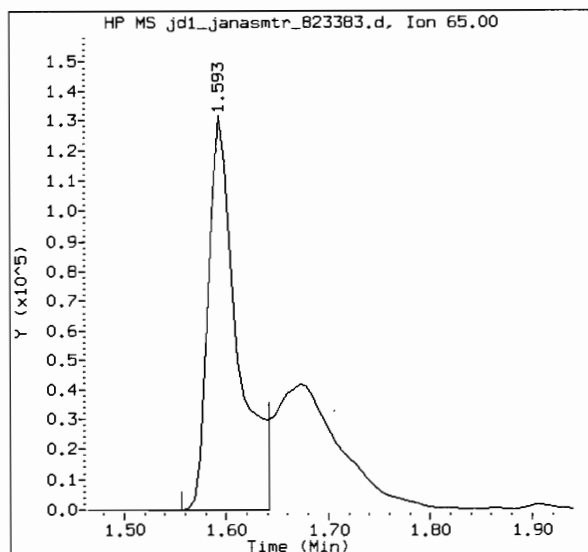
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

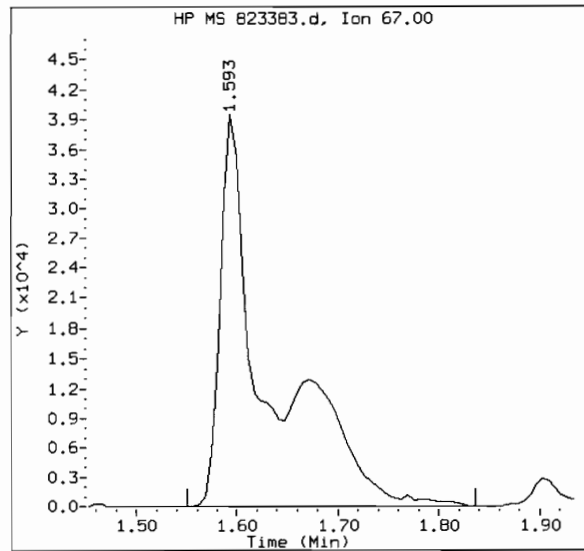
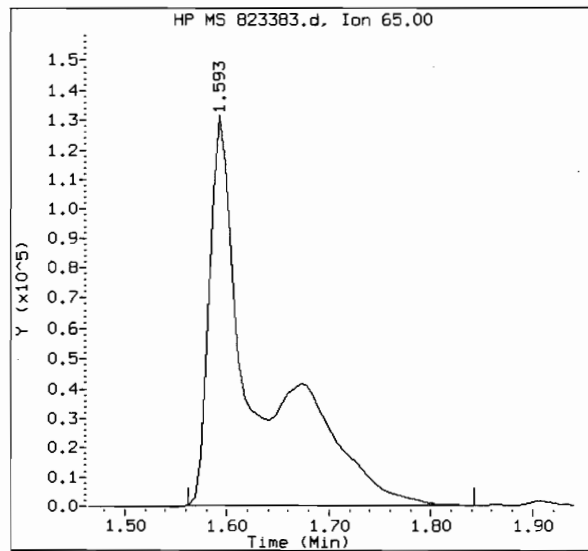
Report Date: 03/29/2010 14:32



Original Integrations:

Area = 261529

Area = 80267



Final Integrations:

Area = 435273

Area = 132211

Manual Integration Reason: M11 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D5 CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823376

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823376D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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

Dilution Factor: 4.4

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	2.2	U
74-87-3	Chloromethane	2.2	U
75-01-4	Vinyl chloride	2.2	U
74-83-9	Bromomethane	2.2	U
75-00-3	Chloroethane	2.2	U
75-69-4	Trichlorofluoromethane	2.2	U
75-35-4	1,1-Dichloroethene	2.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.2	U
67-64-1	Acetone	22	
75-15-0	Carbon disulfide	2.2	U
79-20-9	Methyl acetate	2.2	U
75-09-2	Methylene chloride	14	
156-60-5	trans-1,2-Dichloroethene	2.2	U
1634-04-4	Methyl tert-butyl ether	2.2	U
75-34-3	1,1-Dichloroethane	2.2	U
156-59-2	cis-1,2-Dichloroethene	1.1	J
78-93-3	2-Butanone	22	U
74-97-5	Bromochloromethane	2.2	U
67-66-3	Chloroform	2.2	U
71-55-6	1,1,1-Trichloroethane	2.2	U
110-82-7	Cyclohexane	2.2	U
56-23-5	Carbon tetrachloride	2.2	U
71-43-2	Benzene	2.2	U
107-06-2	1,2-Dichloroethane	2.2	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.

D5 CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823376

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823376D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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

Dilution Factor: 4.4

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	560	E
108-87-2	Methylcyclohexane	2.2	U
78-87-5	1,2-Dichloropropane	2.2	U
75-27-4	Bromodichloromethane	2.2	U
10061-01-5	cis-1,3-Dichloropropene	2.2	U
108-10-1	4-Methyl-2-pentanone	22	U
108-88-3	Toluene	2.2	U
10061-02-6	trans-1,3-Dichloropropene	2.2	U
79-00-5	1,1,2-Trichloroethane	2.2	U
127-18-4	Tetrachloroethene	3.8	
591-78-6	2-Hexanone	22	U
124-48-1	Dibromochloromethane	2.2	U
106-93-4	1,2-Dibromoethane	2.2	U
108-90-7	Chlorobenzene	2.2	U
100-41-4	Ethylbenzene	2.2	U
95-47-6	o-Xylene	2.2	U
179601-23-1	m,p-Xylene	2.2	U
100-42-5	Styrene	2.2	U
75-25-2	Bromoform	2.2	U
98-82-8	Isopropylbenzene	2.2	U
79-34-5	1,1,2,2-Tetrachloroethane	2.2	U
541-73-1	1,3-Dichlorobenzene	2.2	U
106-46-7	1,4-Dichlorobenzene	2.2	U
95-50-1	1,2-Dichlorobenzene	2.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.2	U
120-82-1	1,2,4-Trichlorobenzene	2.2	U
87-61-6	1,2,3-Trichlorobenzene	2.2	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

D5 CONTROL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823376

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823376D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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

Dilution Factor: 4.4

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

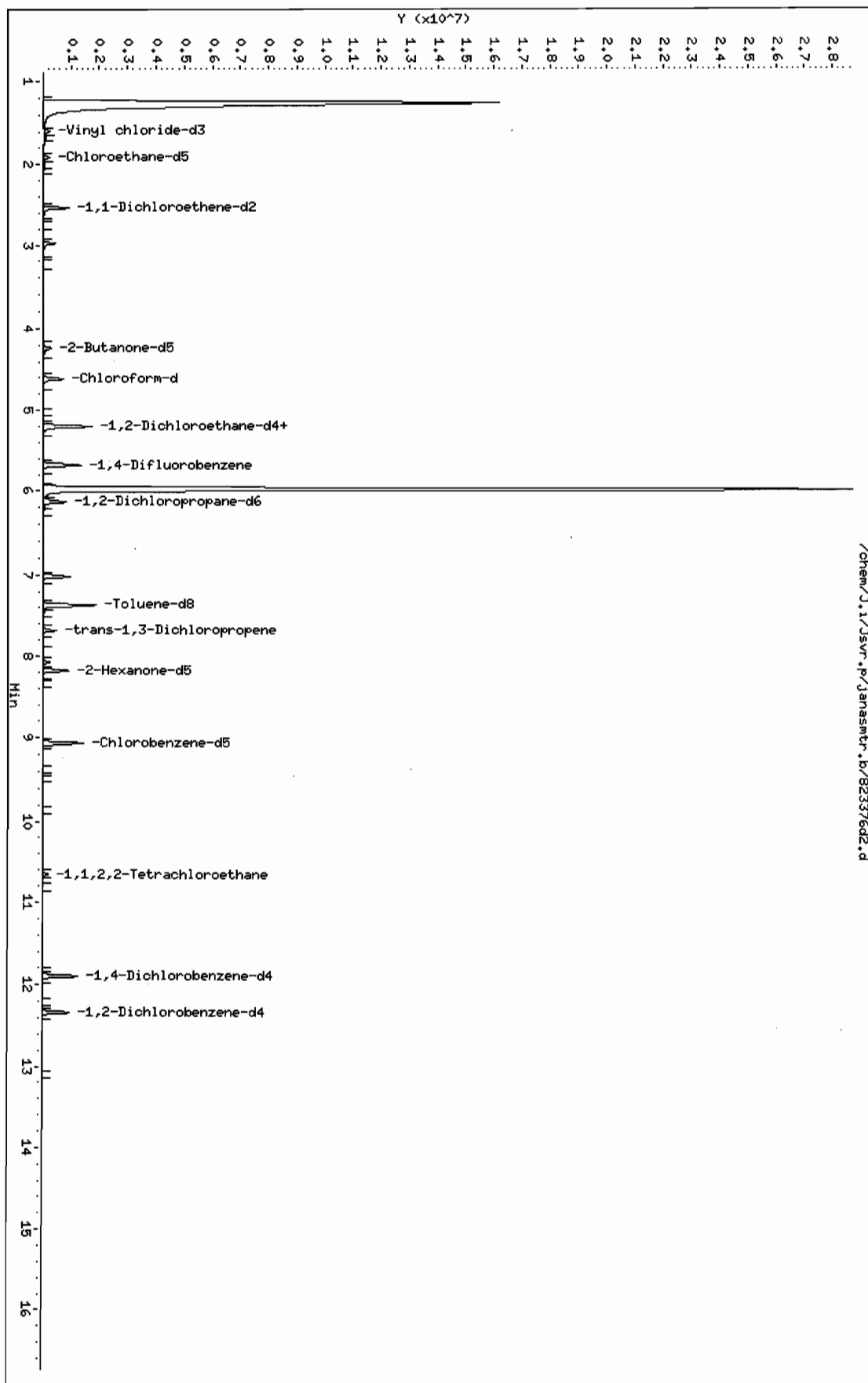
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	=====	=====	=====	=====	=====
01		Unknown	7.02	15	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtc.b/823376d2.d
Date : 26-HAR-2010 17:52
Client ID: D5 CONTROL
Sample Info: D=5 CONTROL : (103/19/10 00930(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823376d2.d
Lab Smp Id: 823376 Client Smp ID: D5 CONTROL
Inj Date : 26-MAR-2010 17:52
Operator : MTP Inst ID: J.i
Smp Info : D=5 CONTROL :[]03/19/10 @0930(WATER)
Misc Info : 823376,032610JT,4.4,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 1
Dil Factor: 4.40000
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	4.40000	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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	418667	4.18337	4.2 (M)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	292706	4.42900	4.4
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	735710	3.66690	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.597	2.597	(0.457)	25852	5.06234	22
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene chloride	84	2.980	2.980	(0.525)	182363	3.18764	14
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	(0.745)	476236	51.1769	51
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	17629	0.24228	1.1(a)
21 2-Butanone	43	Compound Not Detected.					
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.611	4.617	(0.812)	653255	4.85516	4.9(Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	256152	5.09869	5.1
\$ 29 Benzene-d6	84	5.207	5.201	(0.574)	1440183	4.44132	4.4
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1117338	5.00000	
33 Trichloroethene	95	5.973	5.973	(0.659)	11241817	128.233	560(A)
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.131	(0.676)	373954	4.67874	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	7.366	7.366	(0.813)	1338406	4.53870	4.5
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	289788	4.68182	4.7
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.078	8.078	(0.891)	56023	0.85517	3.8
\$ 46 2-Hexanone-d5	63	8.182	8.181	(0.903)	340349	48.1897	48
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	853873	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	10.652	10.657	(1.175)	119867	4.76225	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	11.899	11.899	(1.000)	354692	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152		12.337	12.337	(1.037)	267086	4.63032	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).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823376d2.d
Report Date: 29-Mar-2010 14:32

Page 4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823376d2.d
Lab Smp Id: 823376 Client Smp ID: D5 CONTROL
Inj Date : 26-MAR-2010 17:52
Operator : MTP Inst ID: J.i
Smp Info : D=5 CONTROL :[]03/19/10 @0930(WATER)
Misc Info : 823376,032610JT,4.4,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jd1 Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 1
Dil Factor: 4.40000
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	4.40000	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	5.681	2838200	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
7.020	1873377	3.30029090	15	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmr.b/823376d2.d

Page 6

Date : 26-MAR-2010 17:52

Client ID: D5 CONTROL

Instrument: J.i

Sample Info: D=5 CONTROL ;[103/19/10 00930(WATER)

Purge Volume: 25.0

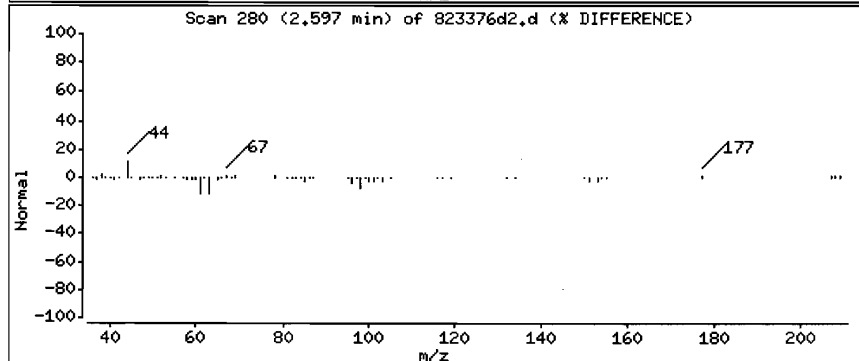
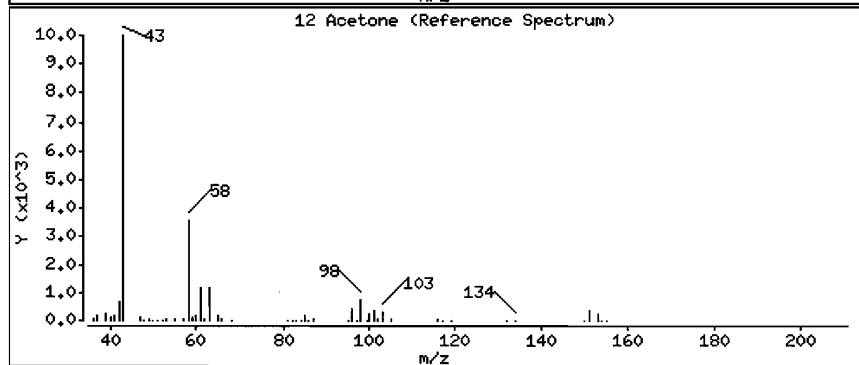
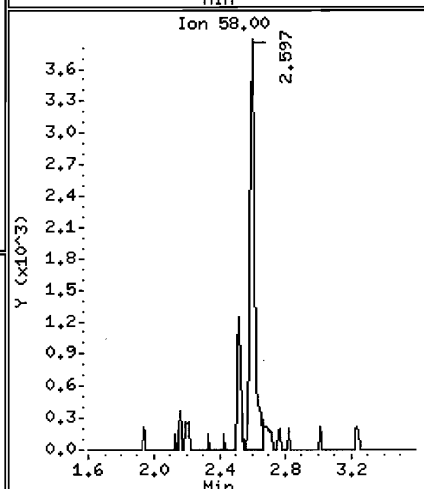
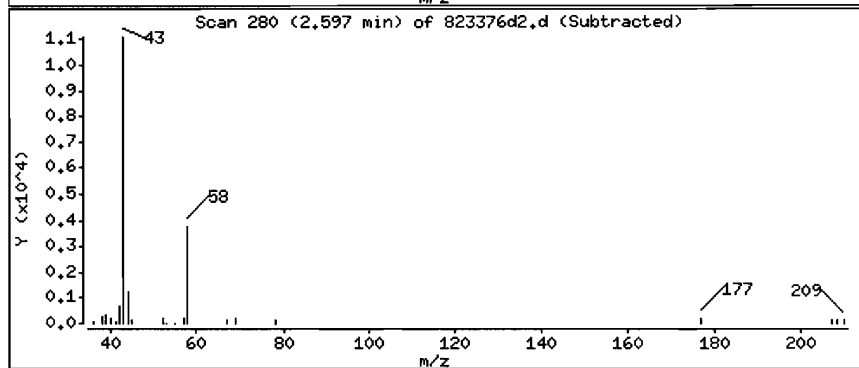
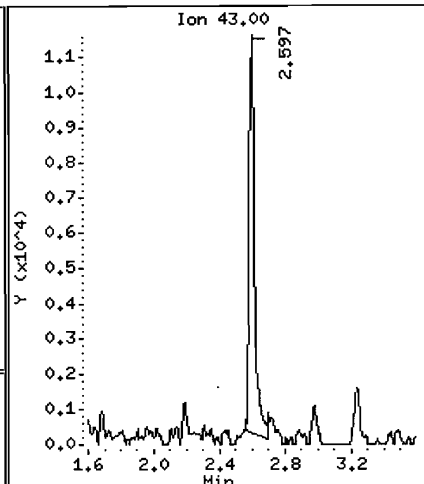
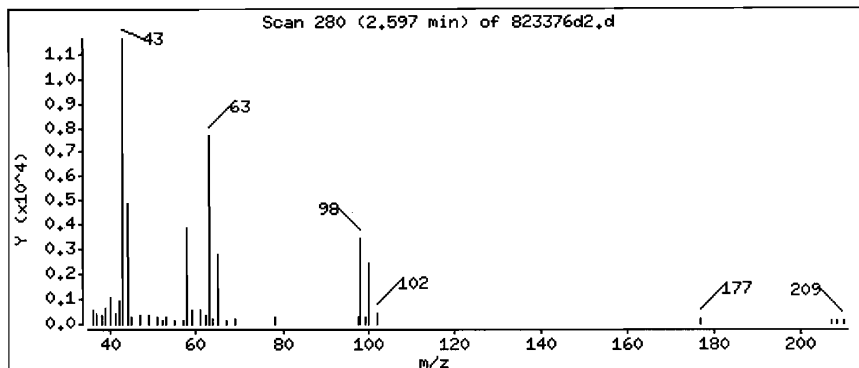
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 22 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823376d2.d

Page 7

Date : 26-MAR-2010 17:52

Client ID: D5 CONTROL

Instrument: J.i

Sample Info: D=5 CONTROL ;I 103/19/10 @0930(WATER)

Purge Volume: 25.0

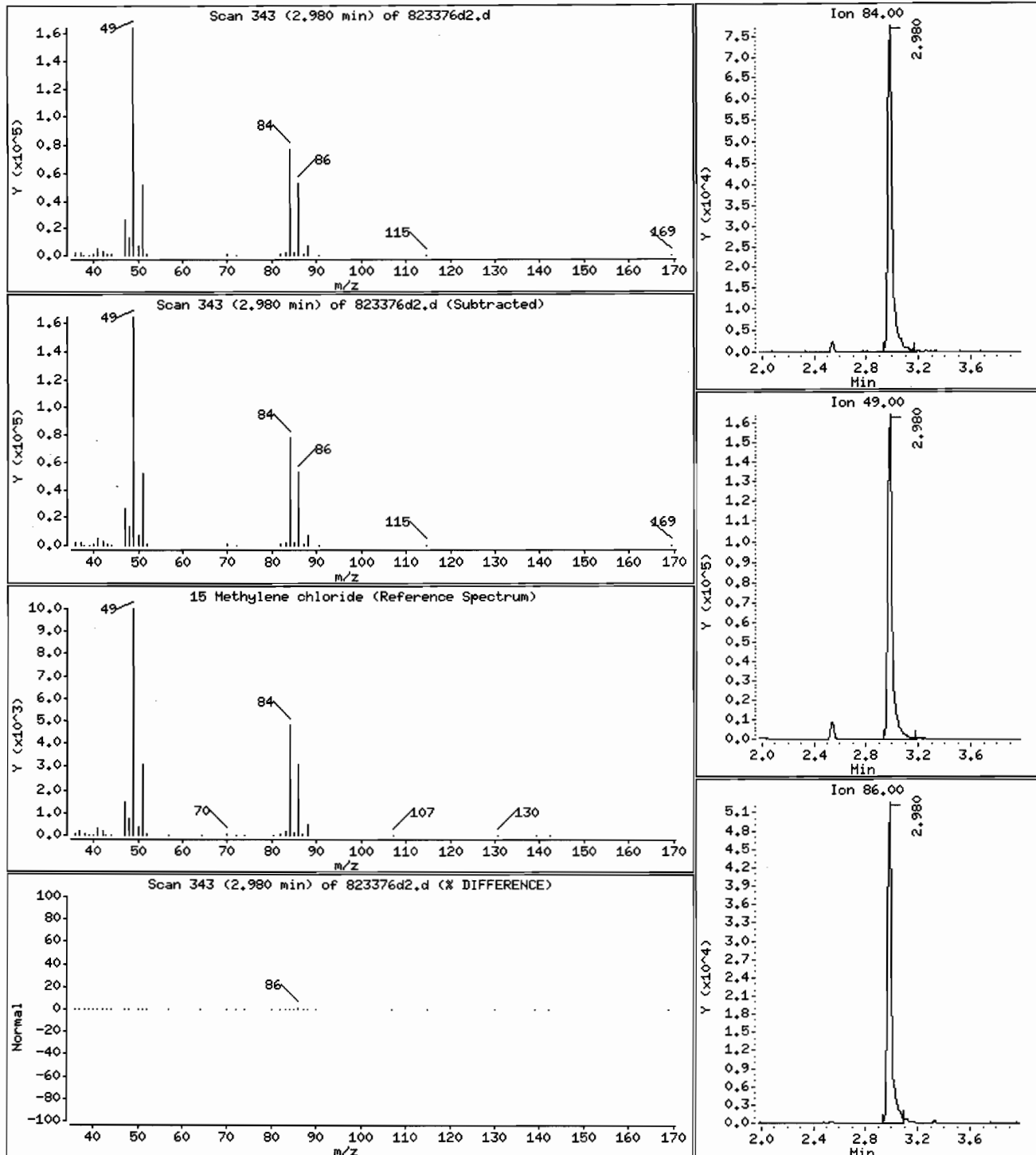
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 14 ug/L



Data File: /chem/J.i/Jsvr.p/janasmr.b/823376d2.d

Page 8

Date : 26-MAR-2010 17:52

Client ID: D5 CONTROL

Instrument: J.i

Sample Info: D=5 CONTROL :I 103/19/10 @0930(WATER)

Purge Volume: 25.0

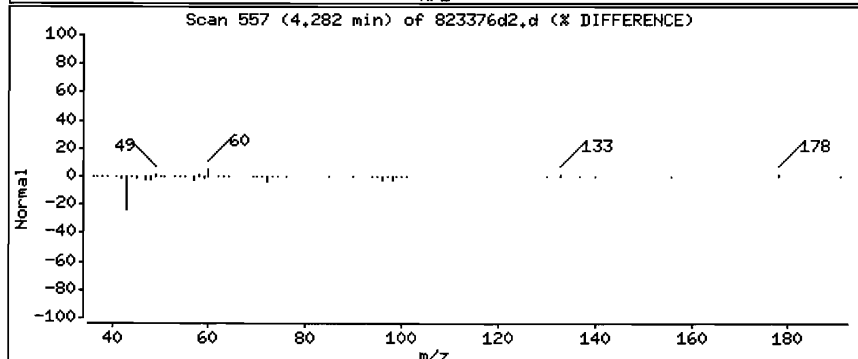
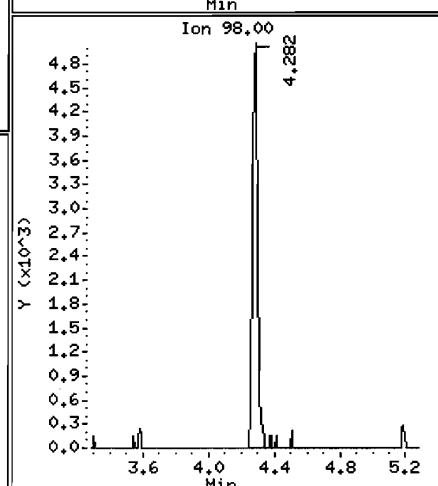
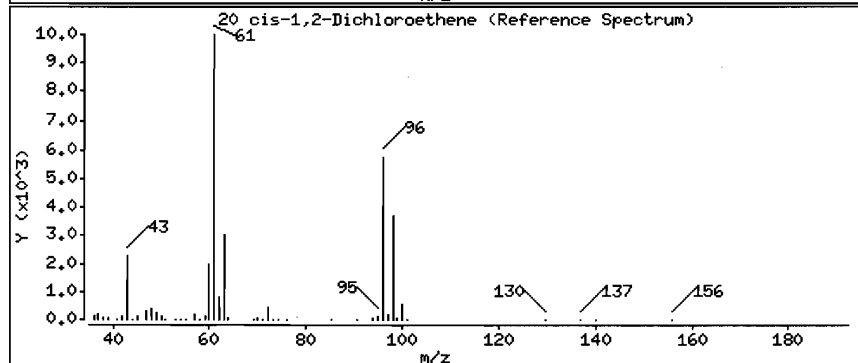
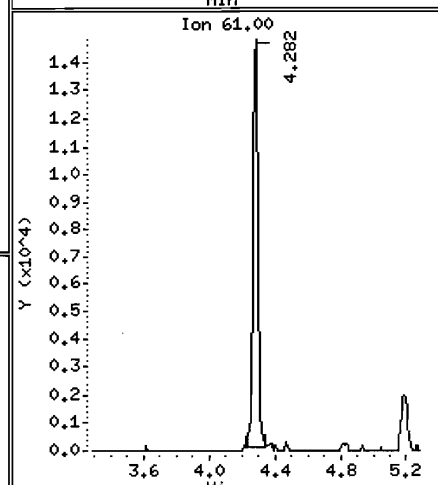
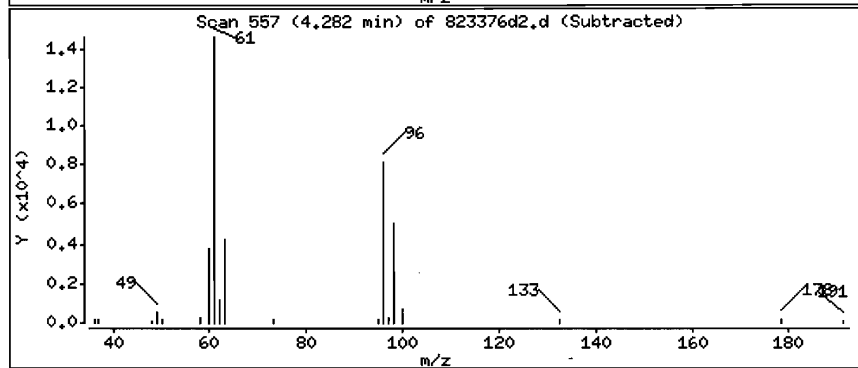
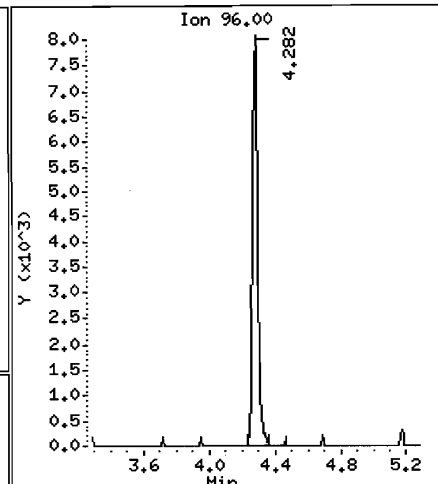
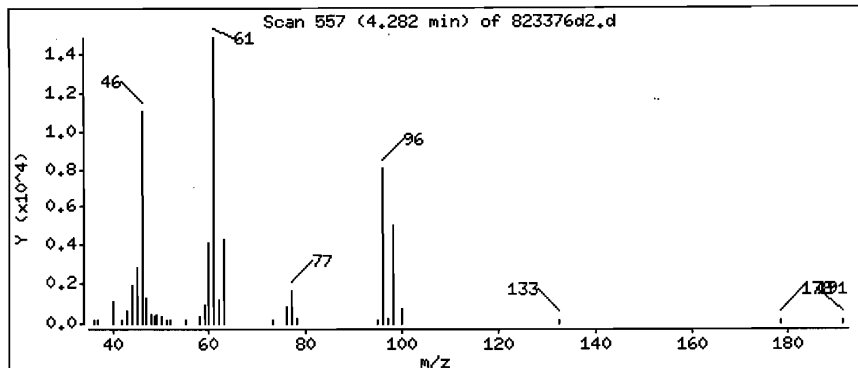
Operator: MTP

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/janasmttr.b/823376d2.d

Page 9

Date : 26-MAR-2010 17:52

Client ID: D5 CONTROL

Instrument: J.i

Sample Info: D=5 CONTROL ;[103/19/10 @0930(WATER)

Purge Volume: 25.0

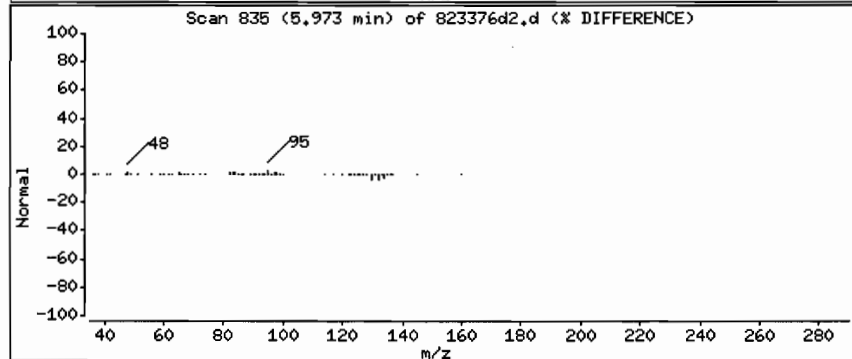
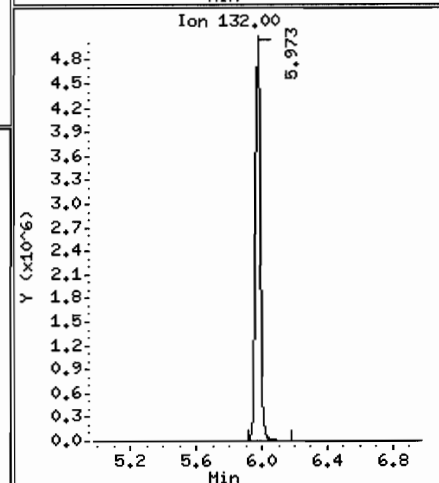
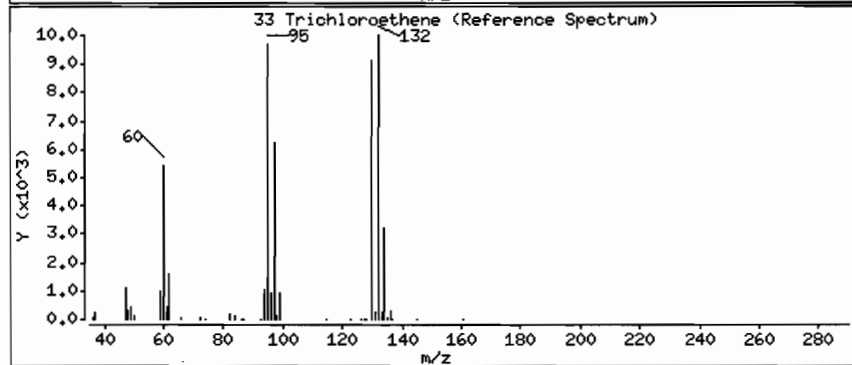
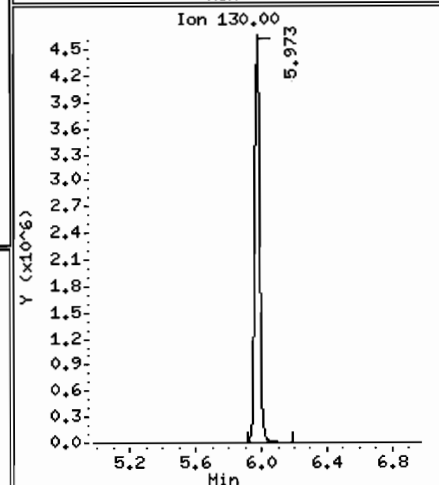
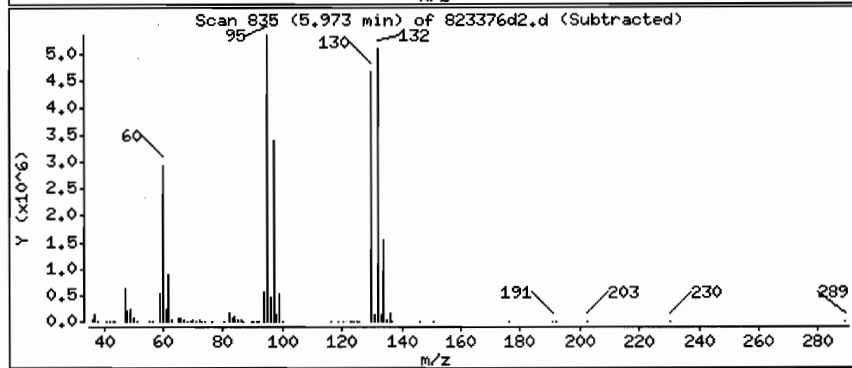
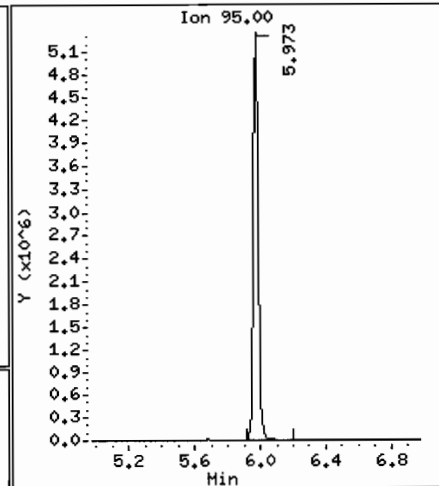
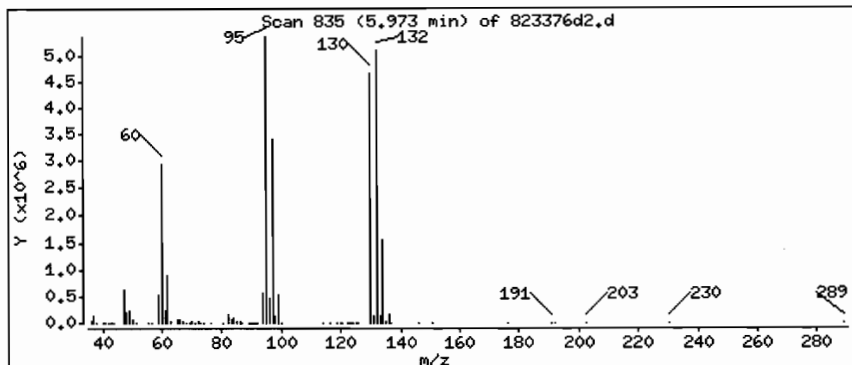
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 560 ug/L



Data File: /chem/J.i/Jsvr.p/janasmt.b/823376d2.d

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Date : 26-MAR-2010 17:52

Client ID: D5 CONTROL

Instrument: J.i

Sample Info: D=5 CONTROL :[103/19/10 @0930(WATER)

Purge Volume: 25.0

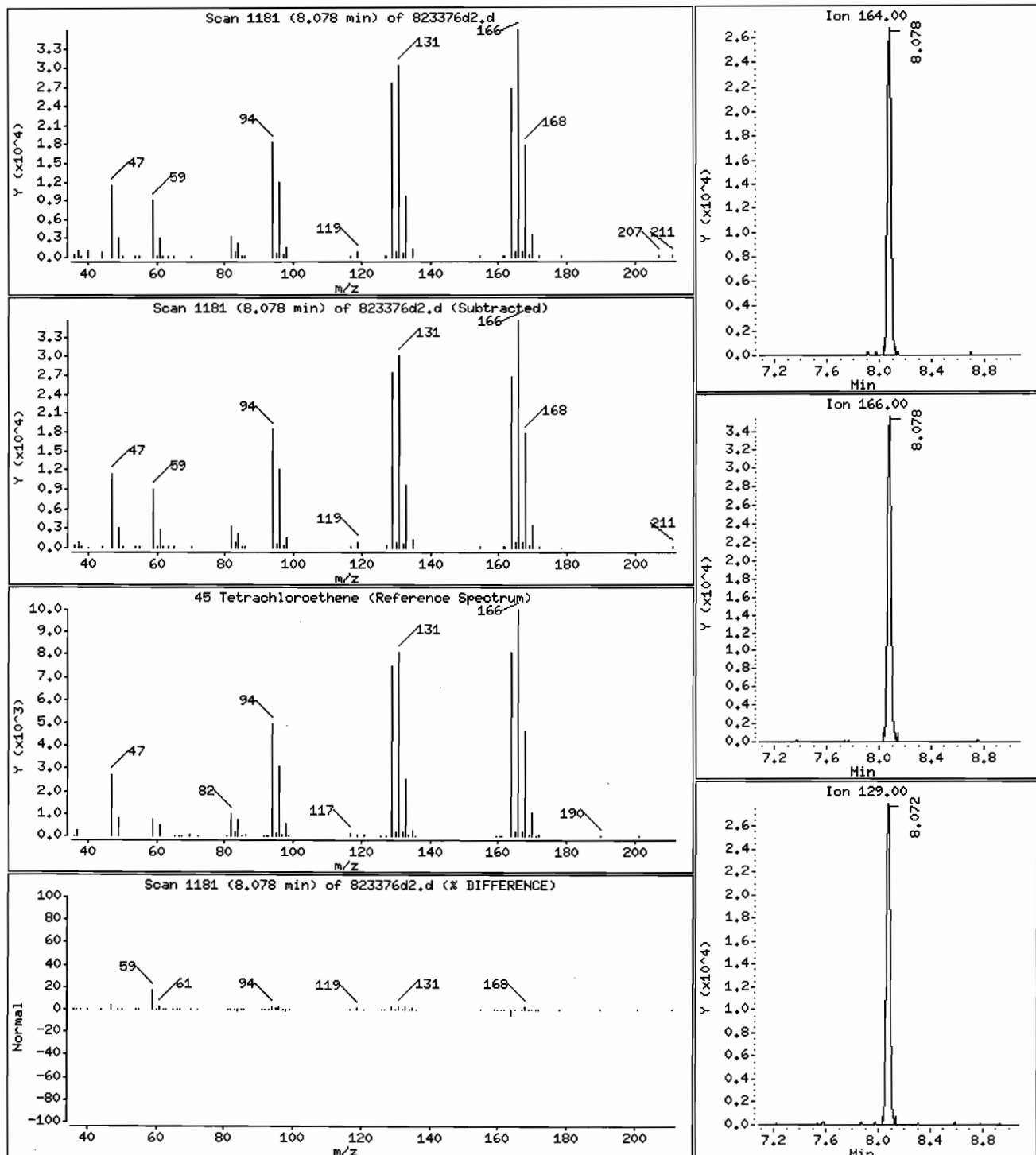
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

45 Tetrachloroethene

Concentration: 3.8 ug/L



Date : 26-MAR-2010 17:52

Client ID: D5 CONTROL

Instrument: J.i

Sample Info: D=5 CONTROL :[103/19/10 @0930(WATER)

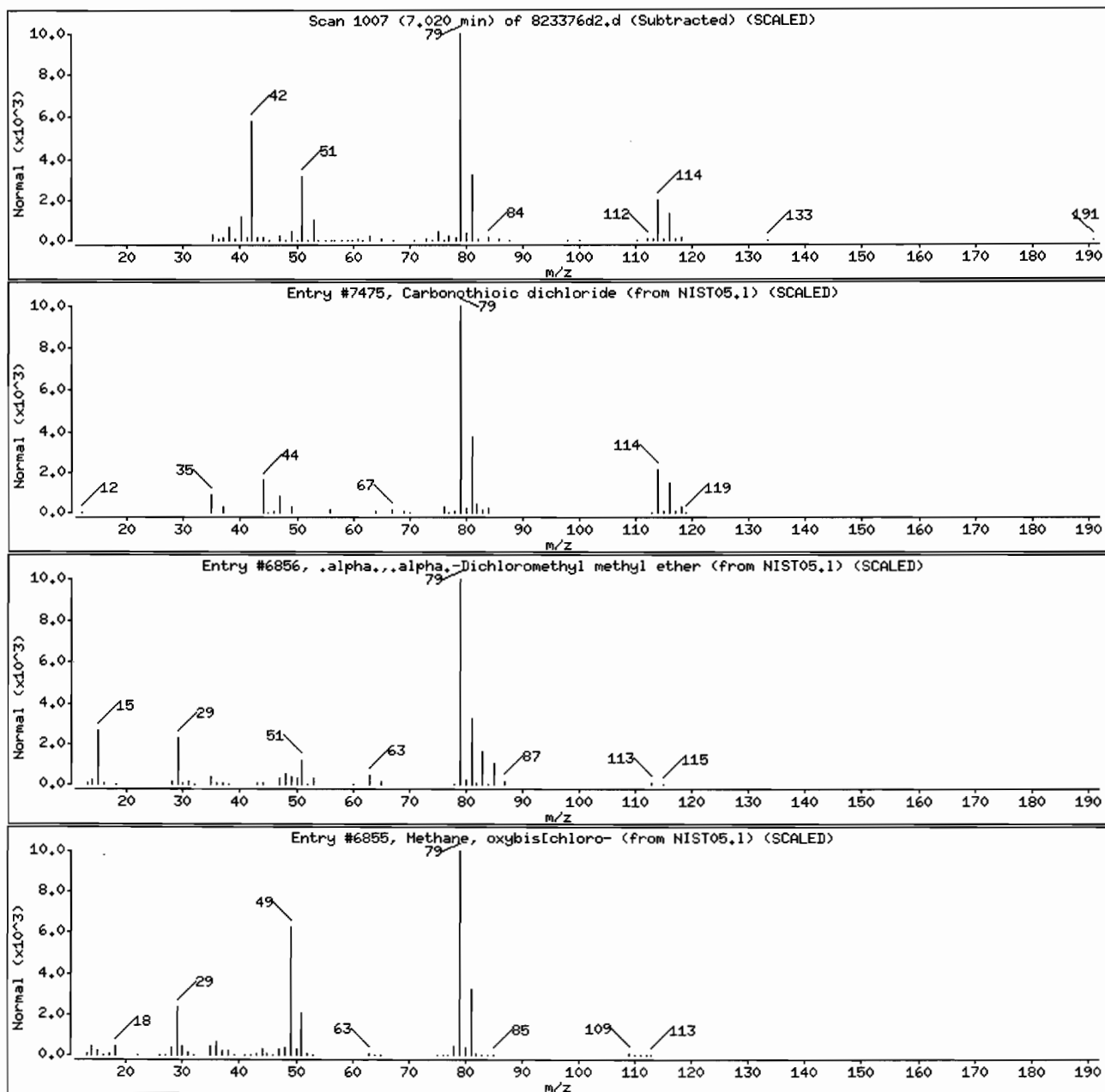
Purge Volume: 25.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	47	CCl2S	114
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	32	C2H4Cl2O	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6855	23	C2H4Cl2O	114



MANUAL INTEGRATION REPORT

Data File Name: 823376d2.d

Inj. Date and Time: 26-MAR-2010 17:52

Target Version: Target 3.50

Client Sample ID: D5 CONTROL

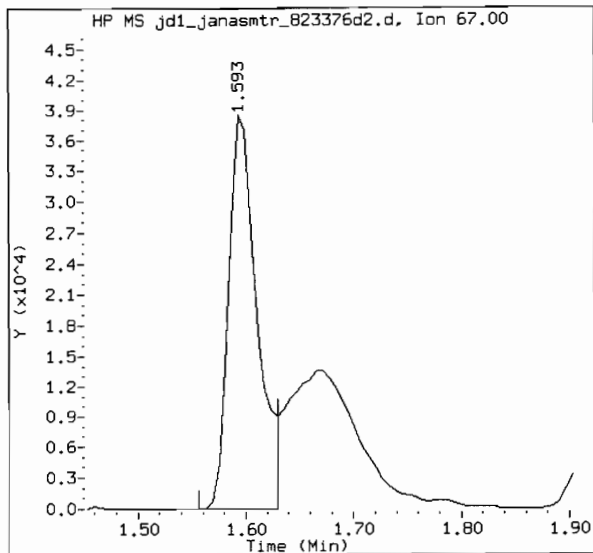
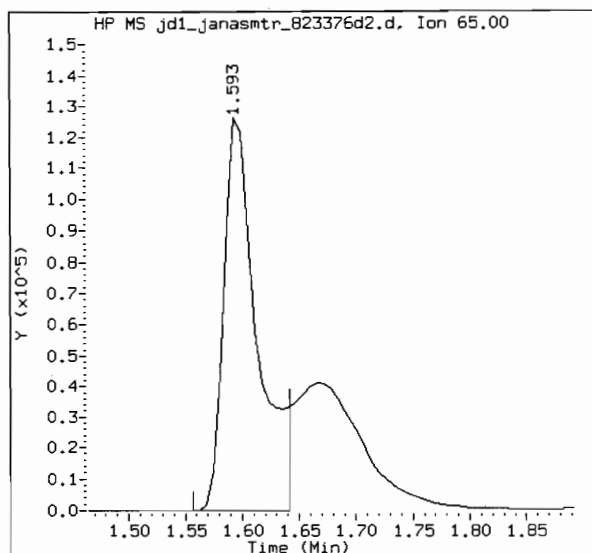
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

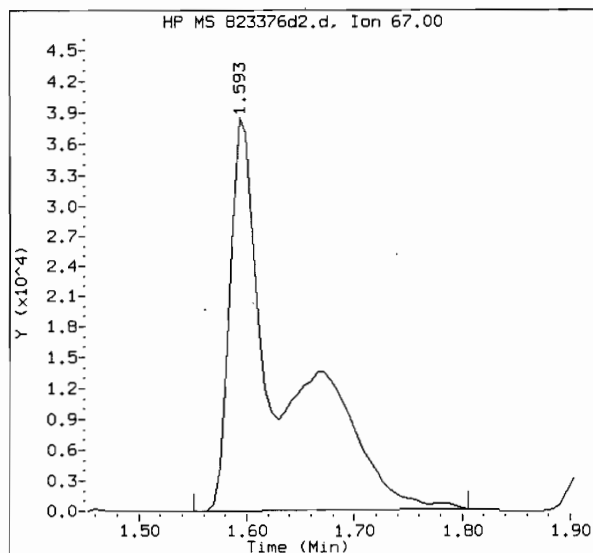
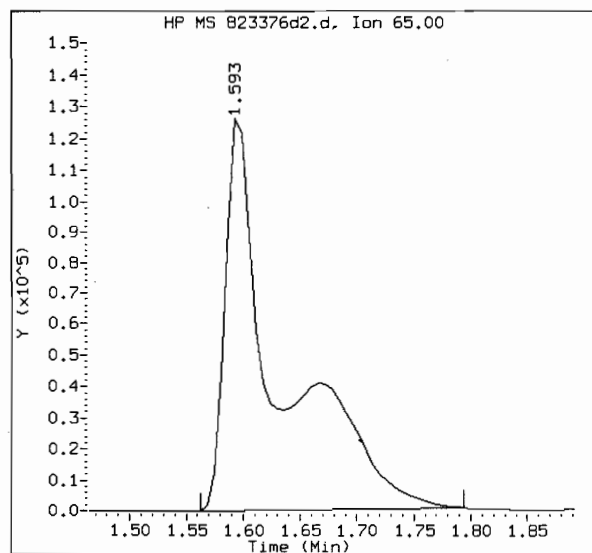
Report Date: 03/29/2010 14:32



Original Integrations:

Area = 262742

Area = 72282



Final Integrations:

Area = 418667

Area = 131428

Manual Integration Reason: MI1 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. D5 CONTROLDL

Lab Name: TESTAMERICA BURLINGTON	Contract: 29000
Lab Code: STLV Case No.: LASS	Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water	Lab Sample ID: 823376D1
Sample wt/vol: 25.0 (g/mL) mL	Lab File ID: 823376D
Level: (TRACE/LOW/MED) TRACE	Date Received: 03/23/2010
% Moisture: not dec.	Date Analyzed: 03/26/2010
GC Column: DB-624 ID: 0.53 (mm)	Dilution Factor: 51.8
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	26	U
74-87-3	Chloromethane	26	U
75-01-4	Vinyl chloride	26	U
74-83-9	Bromomethane	26	U
75-00-3	Chloroethane	26	U
75-69-4	Trichlorofluoromethane	26	U
75-35-4	1,1-Dichloroethene	26	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26	U
67-64-1	Acetone	78	DJ
75-15-0	Carbon disulfide	26	U
79-20-9	Methyl acetate	26	U
75-09-2	Methylene chloride	15	DJ
156-60-5	trans-1,2-Dichloroethene	26	U
1634-04-4	Methyl tert-butyl ether	26	U
75-34-3	1,1-Dichloroethane	26	U
156-59-2	cis-1,2-Dichloroethene	26	U
78-93-3	2-Butanone	260	U
74-97-5	Bromochloromethane	26	U
67-66-3	Chloroform	26	U
71-55-6	1,1,1-Trichloroethane	26	U
110-82-7	Cyclohexane	26	U
56-23-5	Carbon tetrachloride	26	U
71-43-2	Benzene	26	U
107-06-2	1,2-Dichloroethane	26	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.

D5 CONTROLDL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823376D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823376D

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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

Dilution Factor: 51.8

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	590	D
108-87-2	Methylcyclohexane	26	U
78-87-5	1,2-Dichloropropane	26	U
75-27-4	Bromodichloromethane	26	U
10061-01-5	cis-1,3-Dichloropropene	26	U
108-10-1	4-Methyl-2-pentanone	260	U
108-88-3	Toluene	26	U
10061-02-6	trans-1,3-Dichloropropene	26	U
79-00-5	1,1,2-Trichloroethane	26	U
127-18-4	Tetrachloroethene	26	U
591-78-6	2-Hexanone	260	U
124-48-1	Dibromochloromethane	26	U
106-93-4	1,2-Dibromoethane	26	U
108-90-7	Chlorobenzene	26	U
100-41-4	Ethylbenzene	26	U
95-47-6	o-Xylene	26	U
179601-23-1	m,p-Xylene	26	U
100-42-5	Styrene	26	U
75-25-2	Bromoform	26	U
98-82-8	Isopropylbenzene	26	U
79-34-5	1,1,2,2-Tetrachloroethane	26	U
541-73-1	1,3-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
95-50-1	1,2-Dichlorobenzene	26	U
96-12-8	1,2-Dibromo-3-chloropropane	26	U
120-82-1	1,2,4-Trichlorobenzene	26	U
87-61-6	1,2,3-Trichlorobenzene	26	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
D5 CONTROLDL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823376D1
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823376D
Level: (TRACE or LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 51.8
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

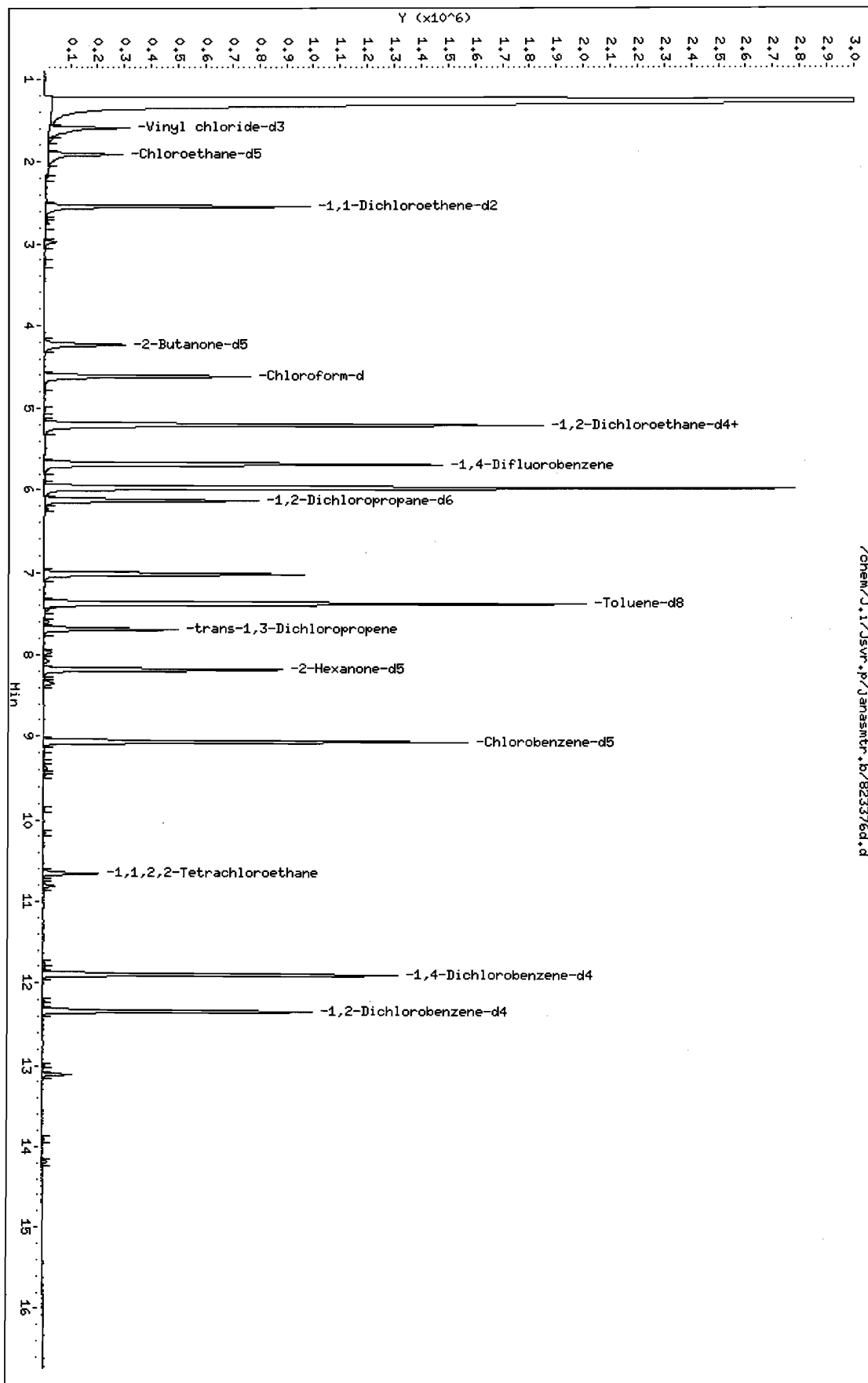
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	160	JXBD
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823376d.d
Date: 26-MAR-2010 13:10
Client ID: D6 CONTROL DL
Sample Info: D=5 CONTROL : [103/19/10 00930(WATER)]
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: MTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823376d.d
Lab Smp Id: 823376D1 Client Smp ID: D5 CONTROLDL
Inj Date : 26-MAR-2010 13:10
Operator : MTP Inst ID: J.i
Smp Info : D=5 CONTROL : [] 03/19/10 @0930 (WATER)
Misc Info : 823376,032610JT,51.8,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 1
Dil Factor: 51.80000
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	51.80000	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						CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	MASS							(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85					Compound Not Detected.			
2 Chloromethane	50					Compound Not Detected.			
\$ 3 Vinyl chloride-d3	65		1.593	1.599	(0.280)	479067	4.27671		4.3(a)
4 Vinyl chloride	62					Compound Not Detected.			
5 Bromomethane	94					Compound Not Detected.			
\$ 6 Chloroethane-d5	69		1.909	1.909	(0.336)	318557	4.30643		4.3(a)
7 Chloroethane	64					Compound Not Detected.			
8 Trichlorofluoromethane	101					Compound Not Detected.			
\$ 9 1,1-Dichloroethene-d2	63		2.536	2.542	(0.446)	785451	3.49758		3.5(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		2.597	2.597	(0.457)	8552	1.49617		78(a)
13 Carbon disulfide	76					Compound Not Detected.			
14 Methyl acetate	43					Compound Not Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
-----	----	--	-----	-----	-----	-----	-----
15 Methylene chloride	84	2.980	2.980	(0.525)	18698	0.29200	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	4.233	4.233	(0.745)	479462	46.0322	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	4.611	4.617	(0.812)	694690	4.61283	4.6 (aQ)
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	5.188	(0.912)	271220	4.82323	4.8 (a)
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1551773	4.46147	4.5 (a)
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1250630	5.00000	
33 Trichloroethene	95	5.967	5.973	(0.658)	1062415	11.2982	590
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	393866	4.59424	4.6 (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	7.366	7.366	(0.813)	1421862	4.49527	4.5 (a)
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	306933	4.62309	4.6 (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	8.176	8.181	(0.902)	331756	43.7929	44 (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	9.064	9.064	(1.000)	915880	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	10.652	10.657	(1.175)	118742	4.39817	4.4 (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	11.899	11.899	(1.000)	364711	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds		QUANT SIG					CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====		----	==	=====	=====	=====	=====	=====
\$ 63	1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	285237	4.80915	4.8 (aQ)
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/janasmtr.b/823376d.d
Lab Smp Id: 823376D1 Client Smp ID: D5 CONTROLDL
Inj Date : 26-MAR-2010 13:10
Operator : MTP Inst ID: J.i
Smp Info : D=5 CONTROL : [] 03/19/10 @0930(WATER)
Misc Info : 823376,032610JT,51.8,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 1
Dil Factor: 51.80000
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	51.80000	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	5.681	3131450	5.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
7.020	1956339	3.12369541	160	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823376d.d

Page 6

Date : 26-MAR-2010 13:10

Client ID: D5 CONTROLDL

Instrument: J.i

Sample Info: D=5 CONTROL :[103/19/10 @0930(WATER)

Purge Volume: 25.0

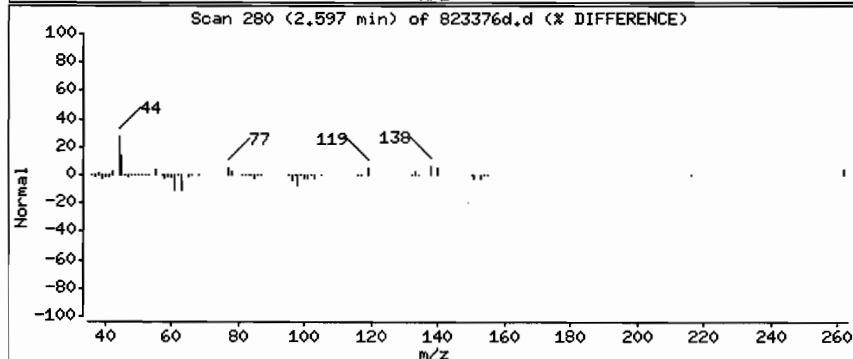
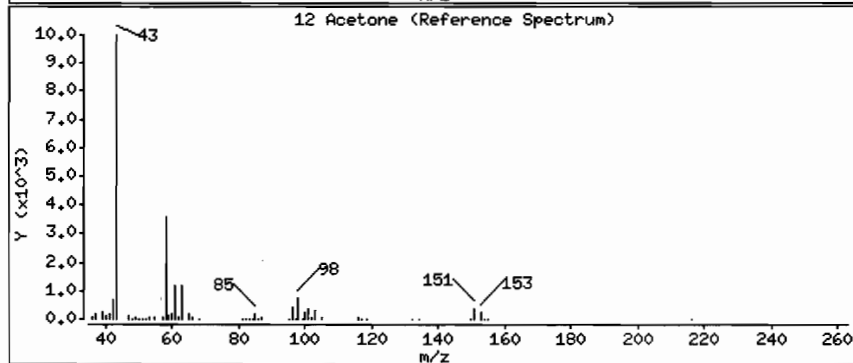
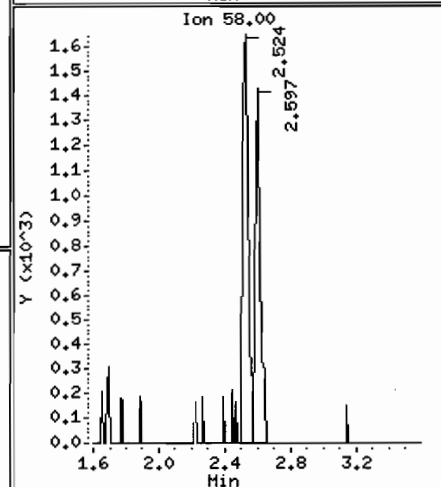
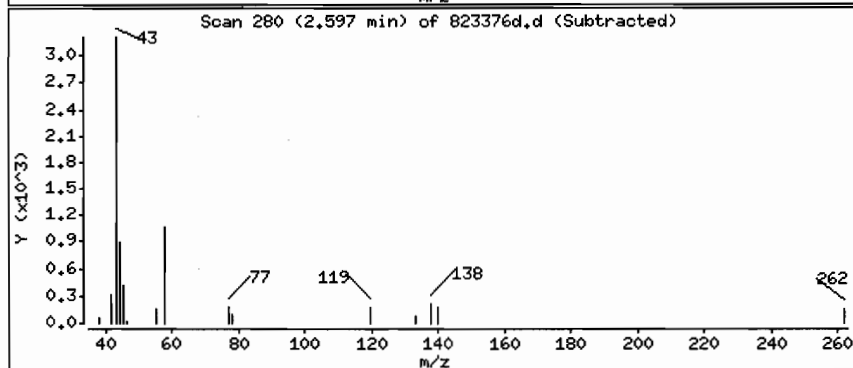
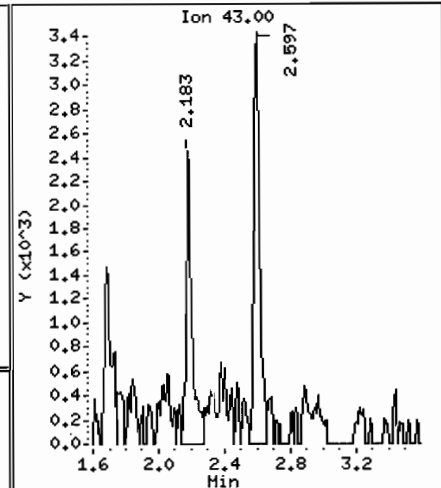
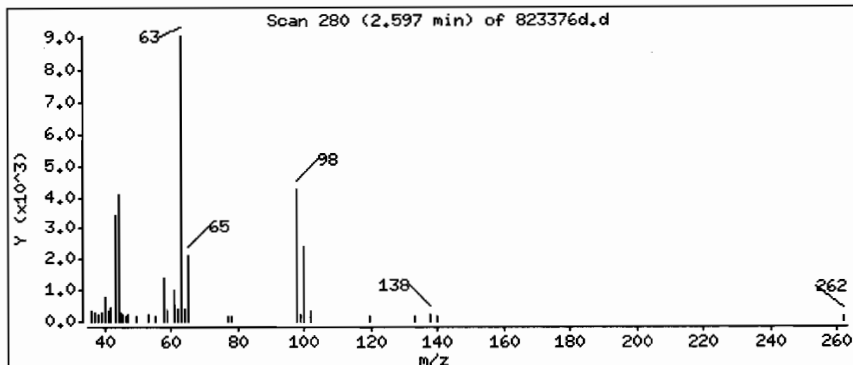
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 78 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823376d.d

Page 7

Date : 26-MAR-2010 13:10

Client ID: D5 CONTROLDL

Instrument: J.i

Sample Info: D=5 CONTROL :[103/19/10 @0930(WATER)

Purge Volume: 25.0

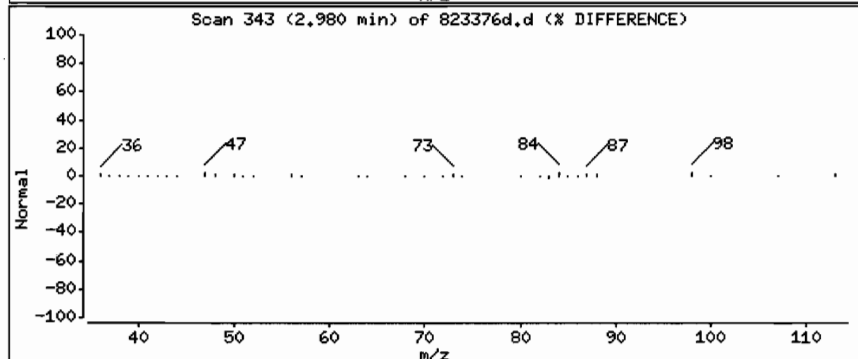
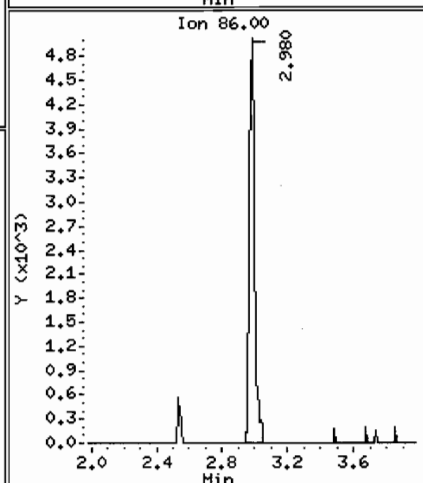
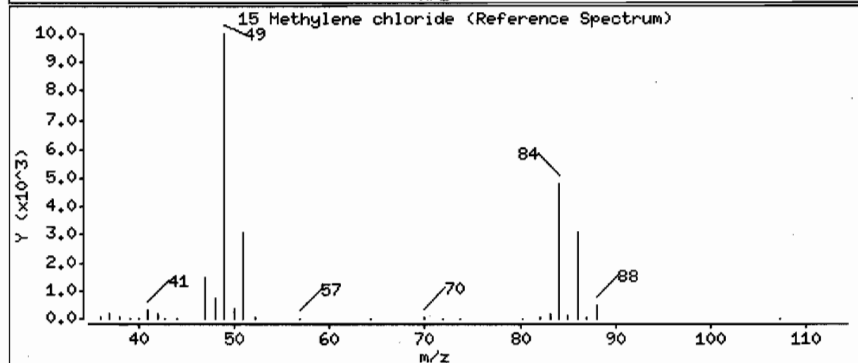
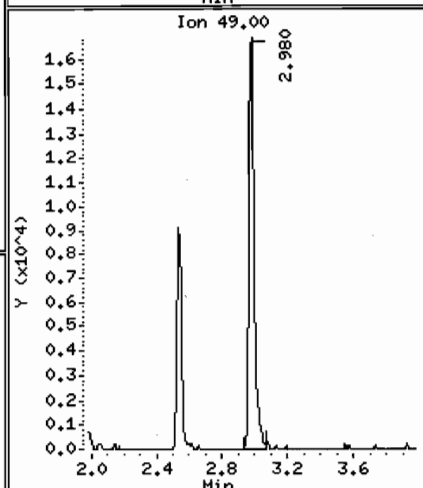
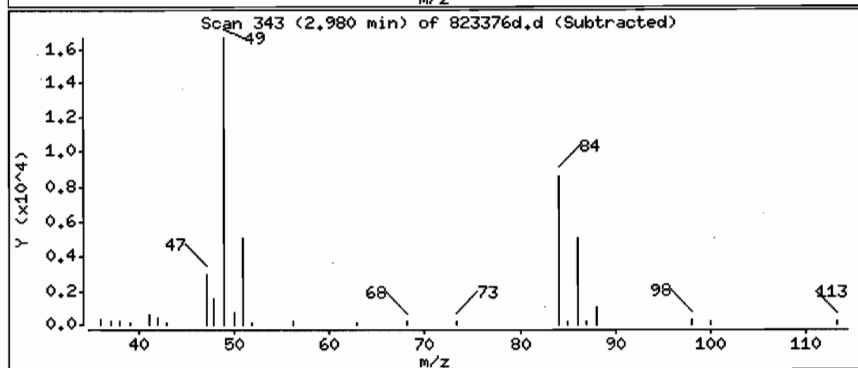
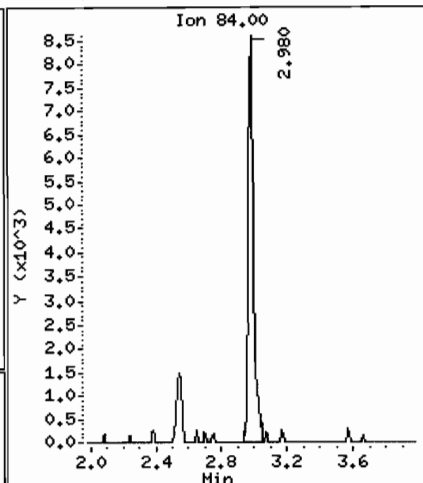
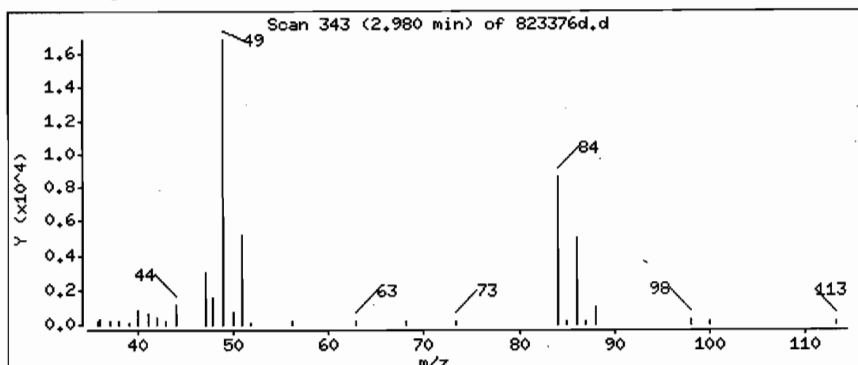
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

15 Methylene chloride

Concentration: 15 ug/L



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823376d.d

Page 8

Date : 26-MAR-2010 13:10

Client ID: D5 CONTROLDL

Instrument: J.i

Sample Info: D=5 CONTROL :[103/19/10 @0930(WATER)

Purge Volume: 25.0

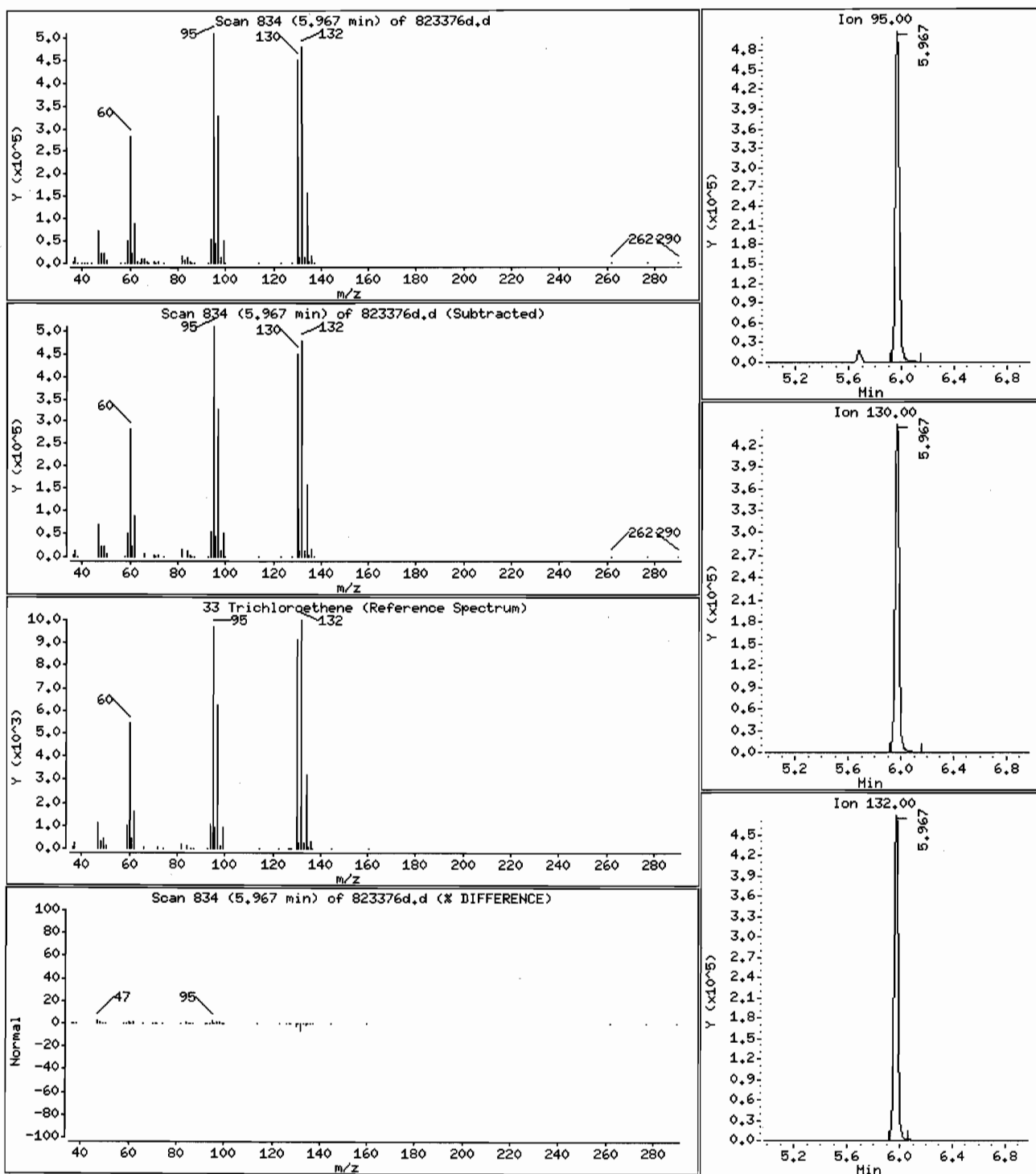
Operator: MTP

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 590 ug/L



Date : 26-MAR-2010 13:10

Client ID: D5 CONTROLDL

Instrument: J.i

Sample Info: D=5 CONTROL :[103/19/10 @0930(WATER)

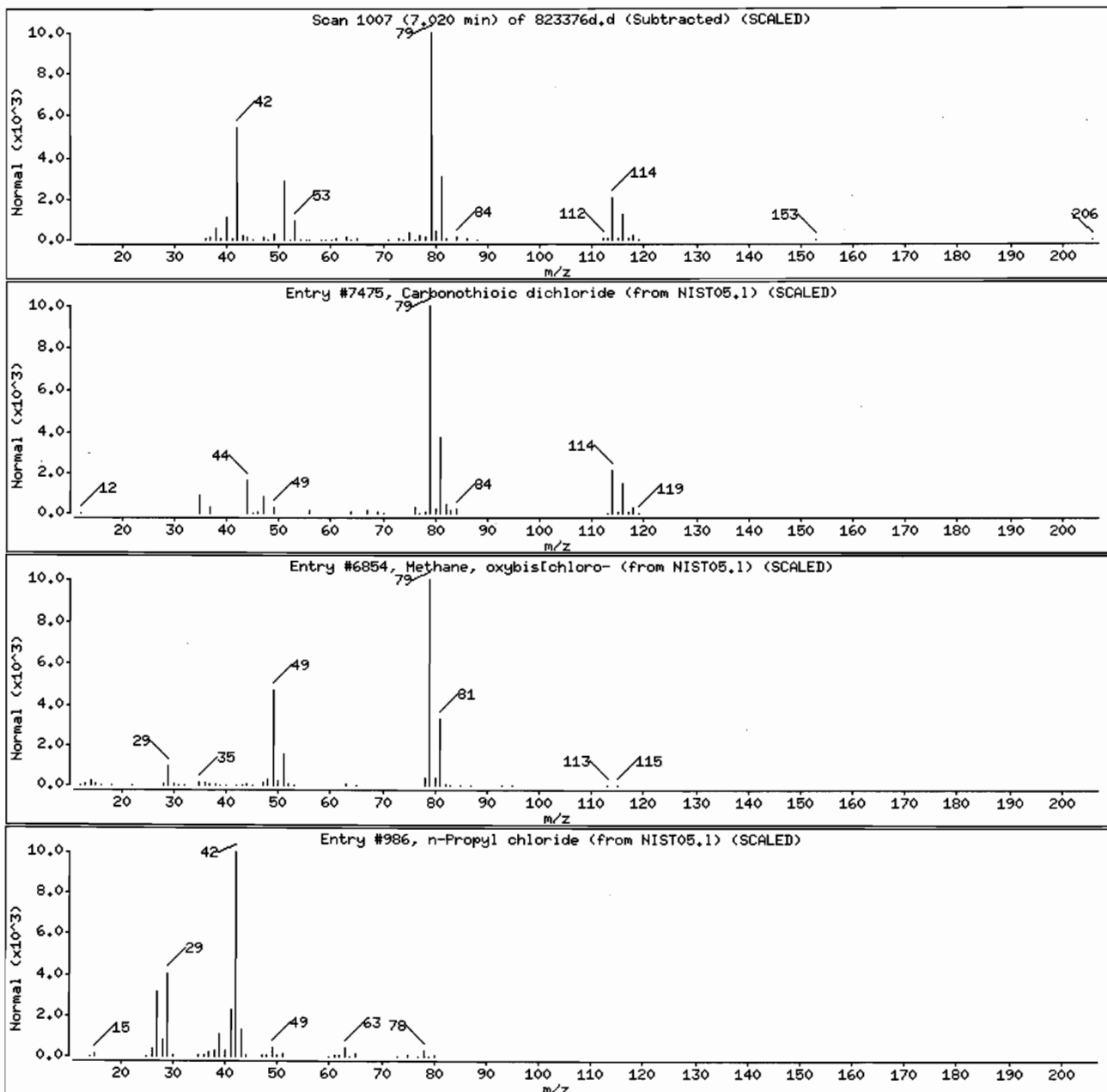
Purge Volume: 25.0

Operator: MTP

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	CCl ₂ S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114
n-Propyl chloride	540-54-5	NIST05.1	986	9	C ₃ H ₇ Cl	78



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.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823384
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823384
Level: (TRACE/LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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	1.1	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	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.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823384

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823384

Level: (TRACE/LOW/MED) TRACE

Date Received: 03/23/2010

% Moisture: not dec.

Date Analyzed: 03/26/2010

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.
TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823384
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823384
Level: (TRACE or LOW/MED) TRACE Date Received: 03/23/2010
% Moisture: not dec. Date Analyzed: 03/26/2010
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)

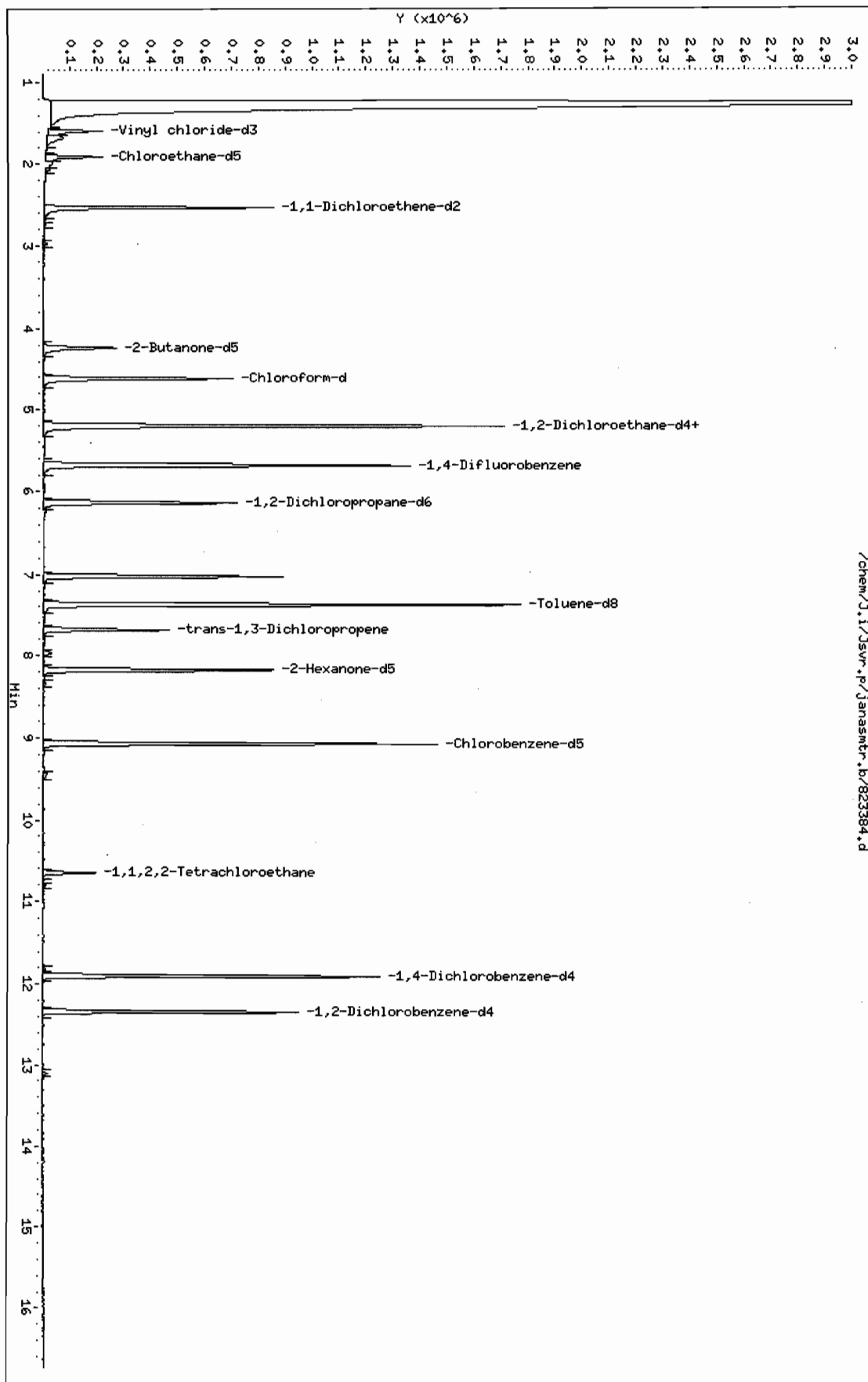
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	3.1	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtc.b/823384.d
Date : 26-MAR-2010 16:55
Client ID: TRIP BLANK
Sample Info: TRIP BLANK : [103/19/10 @ (WATER)]
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: MTP
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/janasmtr.b/823384.d
Report Date: 29-Mar-2010 14:32

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823384.d
Lab Smp Id: 823384 Client Smp ID: TRIP BLANK
Inj Date : 26-MAR-2010 16:55
Operator : MTP Inst ID: J.i
Smp Info : TRIP BLANK : [] 03/19/10 @ (WATER)
Misc Info : 823384,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	FINAL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.593	1.599	(0.280)	418020	4.16998	4.2 (M)
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.909	1.909	(0.336)	283988	4.28996	4.3
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.536	2.542	(0.446)	684863	3.40781	3.4
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		2.603	2.597	(0.458)	5496	1.07444	1.1 (a)
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ug/L)	(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	(0.745)		449398		48.2128	48
20 cis-1,2-Dichloroethene	96						Compound Not Detected.		
21 2-Butanone	43						Compound Not Detected.		
22 Bromochloromethane	128						Compound Not Detected.		
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)		641775		4.76193	4.8 (Q)
24 Chloroform	83						Compound Not Detected.		
25 1,1,1-Trichloroethane	97						Compound Not Detected.		
26 Cyclohexane	56						Compound Not Detected.		
27 Carbon tetrachloride	117						Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.188	(0.912)		251803		5.00381	5.0
\$ 29 Benzene-d6	84	5.200	5.201	(0.574)		1409974		4.42709	4.4
30 Benzene	78						Compound Not Detected.		
31 1,2-Dichloroethane	62						Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)		1119195		5.00000	
33 Trichloroethene	95						Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)		352181		4.48630	4.5
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	7.366	7.366	(0.813)		1245659		4.30085	4.3
41 Toluene	91						Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)		284744		4.68382	4.7
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	8.175	8.181	(0.902)		324494		46.7787	47
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	9.064	9.064	(1.000)		838651		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	10.651	10.657	(1.175)		113052		4.57302	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	11.899	11.899	(1.000)		356065		5.00000	
62 1,4-Dichlorobenzene	146						Compound Not Detected.		

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====		=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	265455		4.58430	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).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/823384.d
Lab Smp Id: 823384 Client Smp ID: TRIP BLANK
Inj Date : 26-MAR-2010 16:55
Operator : MTP Inst ID: J.i
Smp Info : TRIP BLANK :[]03/19/10 @ (WATER)
Misc Info : 823384,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2861532	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
7.019	1780177	3.11053107	3.1	0		0	32

Data File: /chem/J.i/Jsvr.p/janasmtr.b/823384.d

Page 6

Date : 26-MAR-2010 16:55

Client ID: TRIP BLANK

Instrument: J.i

Sample Info: TRIP BLANK ;[103/19/10 @ (WATER)

Purge Volume: 25.0

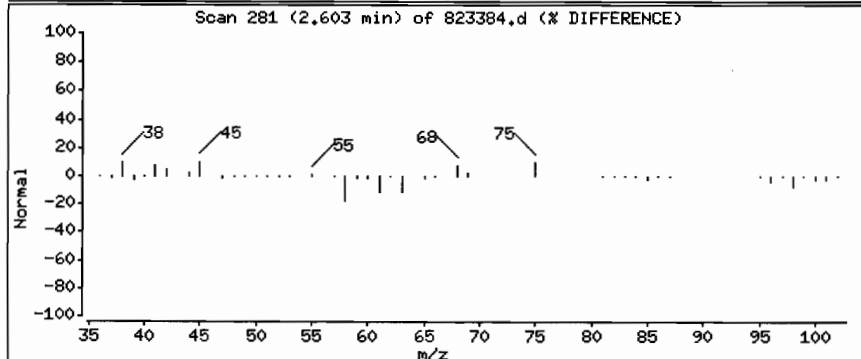
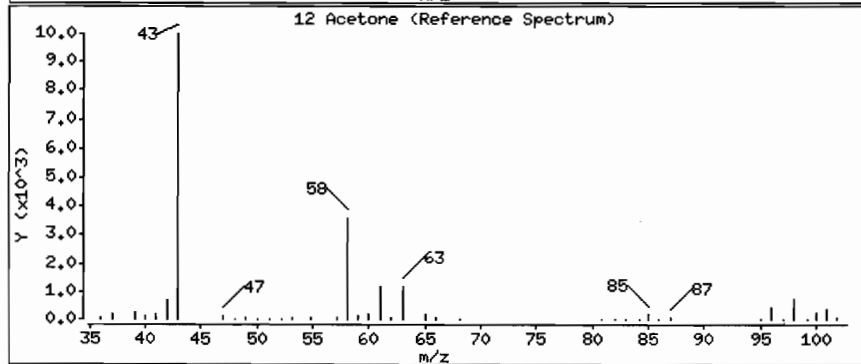
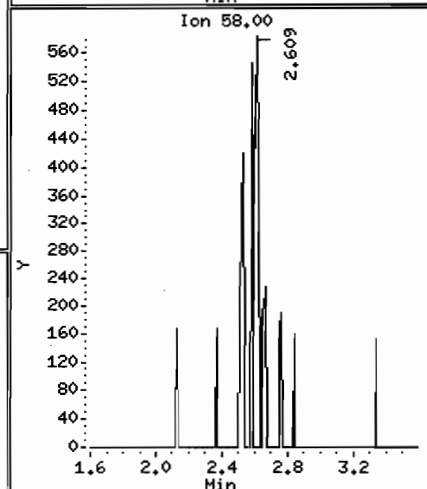
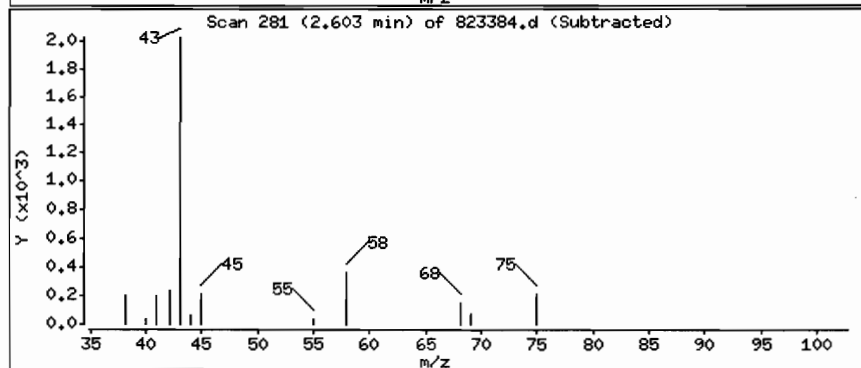
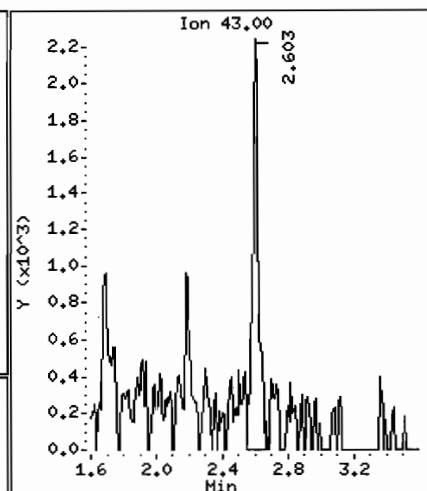
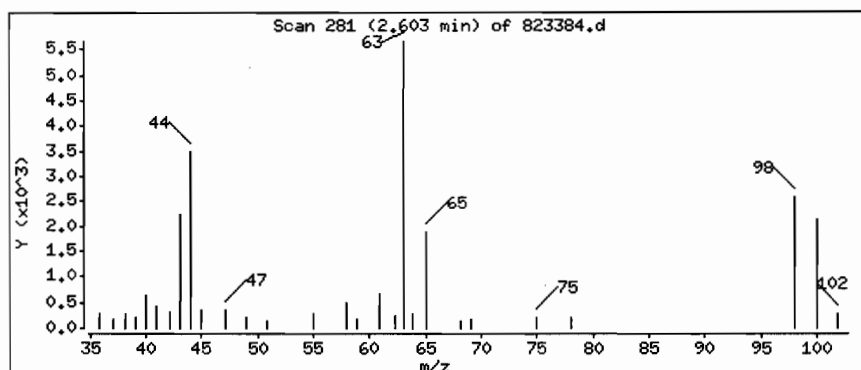
Operator: HTP

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 1.1 ug/L



Date : 26-MAR-2010 16:55

Client ID: TRIP BLANK

Instrument: J.i

Sample Info: TRIP BLANK :[103/19/10 @ (WATER)

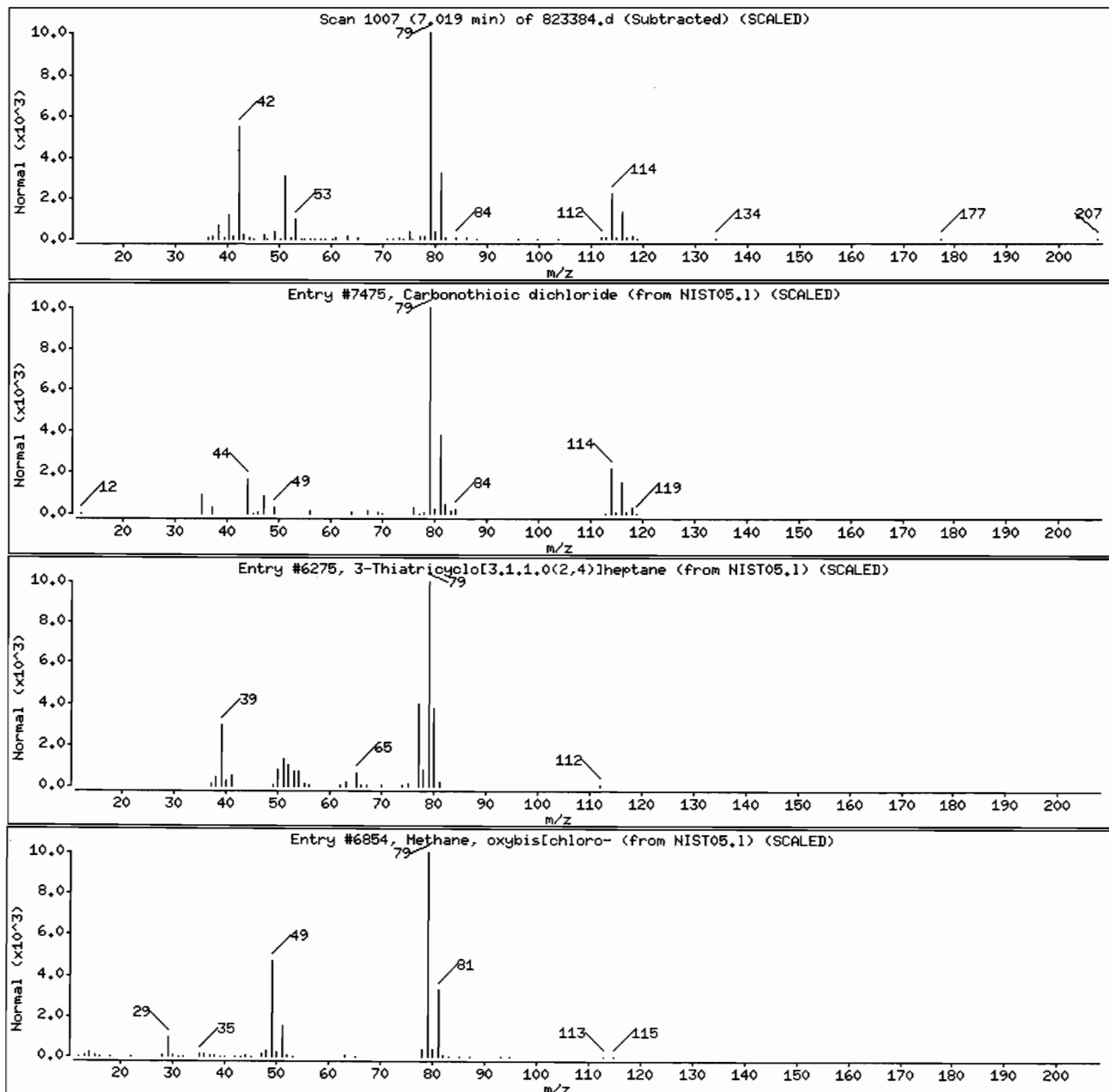
Purge Volume: 25.0

Operator: MTP

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	49	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114



MANUAL INTEGRATION REPORT

Data File Name: 823384.d

Inj. Date and Time: 26-MAR-2010 16:55

Target Version: Target 3.50

Client Sample ID: TRIP BLANK

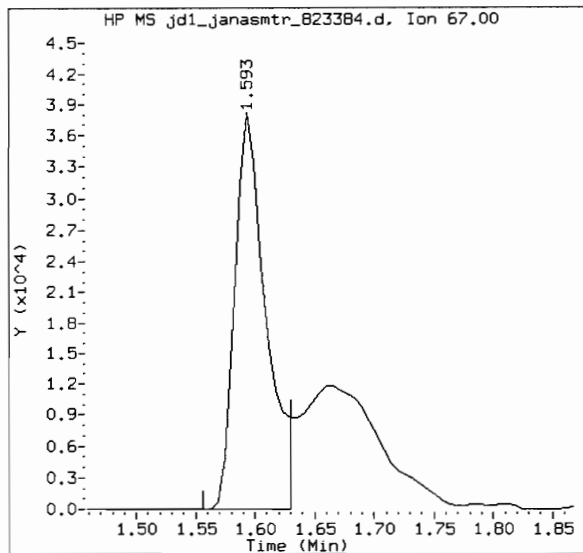
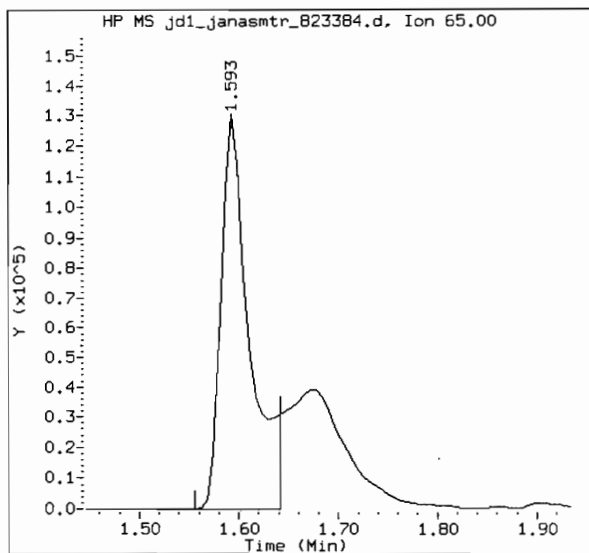
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

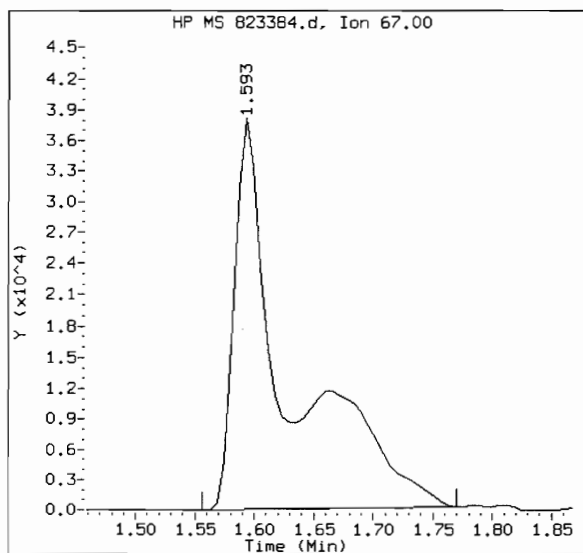
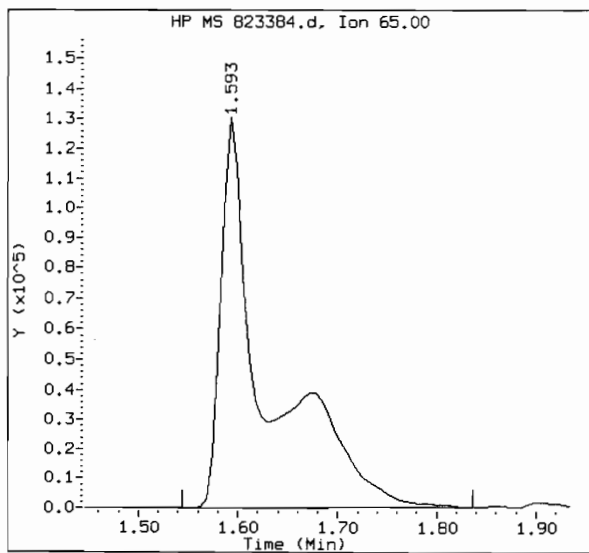
Report Date: 03/29/2010 14:32



Original Integrations:

Area = 260525

Area = 70459



Final Integrations:

Area = 418020

Area = 121988

Manual Integration Reason: M11 - Poor automated baseline



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.: 136458
Instrument ID: J.i Calibration Date(s): 03/25/2010 03/25/2010
Heated Purge: (Y/N)N Calibration Time(s): 1946 2137
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = JAM0005V			RRF1.0 = JAM001V		
RRF5.0 = JAM005V		RRF10 = JAM010V			RRF20 = JAM020V		
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
Dichlorodifluoromethane	0.538	0.552	0.528	0.524	0.529	0.534	2.1
Chloromethane	0.700	0.731	0.708	0.681	0.711	0.706	2.5
Vinyl chloride	0.560	0.599	0.574	0.561	0.578	0.574	2.8
Bromomethane	0.189	0.177	0.184	0.192	0.205	0.189	5.5
Chloroethane	0.288	0.319	0.300	0.287	0.302	0.299	4.4
Trichlorofluoromethane	0.649	0.655	0.644	0.622	0.645	0.643	2.0
1,1-Dichloroethene	0.325	0.316	0.301	0.292	0.304	0.308	4.2
1,1,2-Trichloro-							
1,2,2-trifluoroethane	0.374	0.344	0.345	0.335	0.342	0.348	4.4
Acetone	0.025	0.025	0.022	0.021	0.021	0.023	8.4
Carbon disulfide	1.026	0.966	0.920	0.847	0.912	0.934	7.1
Methyl acetate	0.085	0.066	0.065	0.069	0.065	0.070	12.1
Methylene chloride	0.282	0.257	0.248	0.244	0.249	0.256	5.9
trans-1,2-Dichloroethene	0.349	0.355	0.349	0.336	0.349	0.347	2.0
Methyl tert-butyl ether	0.425	0.390	0.399	0.395	0.408	0.403	3.4
1,1-Dichloroethane	0.705	0.780	0.754	0.727	0.753	0.744	3.9
cis-1,2-Dichloroethene	0.334	0.333	0.325	0.312	0.325	0.326	2.7
2-Butanone	0.040	0.044	0.042	0.041	0.042	0.042	3.5
Bromochloromethane	0.103	0.087	0.080	0.082	0.085	0.087	10.3
Chloroform	0.558	0.597	0.556	0.545	0.566	0.565	3.5
1,1,1-Trichloroethane	0.822	0.893	0.855	0.826	0.869	0.853	3.5
Cyclohexane	1.527	1.552	1.531	1.493	1.543	1.529	1.5
Carbon tetrachloride	0.700	0.709	0.699	0.683	0.728	0.704	2.3
Benzene	1.899	1.976	1.944	1.892	1.984	1.939	2.2
1,2-Dichloroethane	0.288	0.324	0.309	0.296	0.297	0.303	4.7
Trichloroethene	0.492	0.534	0.514	0.498	0.530	0.513	3.7
Methylcyclohexane	1.194	1.252	1.197	1.167	1.196	1.201	2.6

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.: 136458
Instrument ID: J.i Calibration Date(s): 03/25/2010 03/25/2010
Heated Purge: (Y/N)N Calibration Time(s): 1946 2137
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF0.5 = JAM0005V		RRF1.0 = JAM001V			
RRF5.0 = JAM005V		RRF10 = JAM010V		RRF20 = JAM020V			
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
1,2-Dichloropropane	0.407	0.469	0.463	0.450	0.464	0.451	5.6
Bromodichloromethane	0.437	0.464	0.446	0.450	0.464	0.452	2.6
cis-1,3-Dichloropropene	0.527	0.564	0.537	0.526	0.543	0.539	2.9
4-Methyl-2-pentanone	0.138	0.144	0.141	0.142	0.146	0.142	2.1
Toluene	2.086	2.128	2.068	2.043	2.156	2.096	2.2
trans-1,3-Dichloropropene	0.385	0.397	0.378	0.390	0.399	0.390	2.2
1,1,2-Trichloroethane	0.166	0.163	0.160	0.164	0.168	0.164	1.7
Tetrachloroethene	0.381	0.404	0.385	0.363	0.385	0.384	3.8
2-Hexanone	0.083	0.090	0.092	0.092	0.094	0.090	4.8
Dibromochloromethane	0.204	0.204	0.207	0.204	0.208	0.205	1.0
1,2-Dibromoethane	0.148	0.153	0.155	0.150	0.153	0.152	1.7
Chlorobenzene	1.053	1.116	1.061	1.065	1.086	1.076	2.3
Ethylbenzene	2.399	2.519	2.444	2.367	2.516	2.449	2.8
o-Xylene	0.694	0.767	0.770	0.741	0.791	0.753	5.0
m,p-Xylene	0.863	0.884	0.878	0.849	0.893	0.874	2.0
Styrene	1.140	1.186	1.183	1.154	1.188	1.170	1.9
Bromoform	0.216	0.216	0.231	0.224	0.228	0.223	3.1
Isopropylbenzene	2.256	2.414	2.307	2.218	2.416	2.322	3.9
1,1,2,2-Tetrachloroethane	0.134	0.145	0.146	0.143	0.148	0.143	4.0
1,3-Dichlorobenzene	1.885	1.824	1.816	1.761	1.771	1.811	2.7
1,4-Dichlorobenzene	1.802	1.756	1.702	1.708	1.699	1.733	2.6
1,2-Dichlorobenzene	1.311	1.346	1.290	1.278	1.285	1.302	2.1
1,2-Dibromo-3-chloropropane	0.074	0.059	0.052	0.049	0.051	0.057	17.8
1,2,4-Trichlorobenzene	0.474	0.543	0.487	0.504	0.503	0.502	5.2
1,2,3-Trichlorobenzene	0.284	0.343	0.308	0.345	0.328	0.322	8.0

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.: 136458
Instrument ID: J.i Calibration Date(s): 03/25/2010 03/25/2010
Heated Purge: (Y/N)N Calibration Time(s): 1946 2137
Purge Volume: 25.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

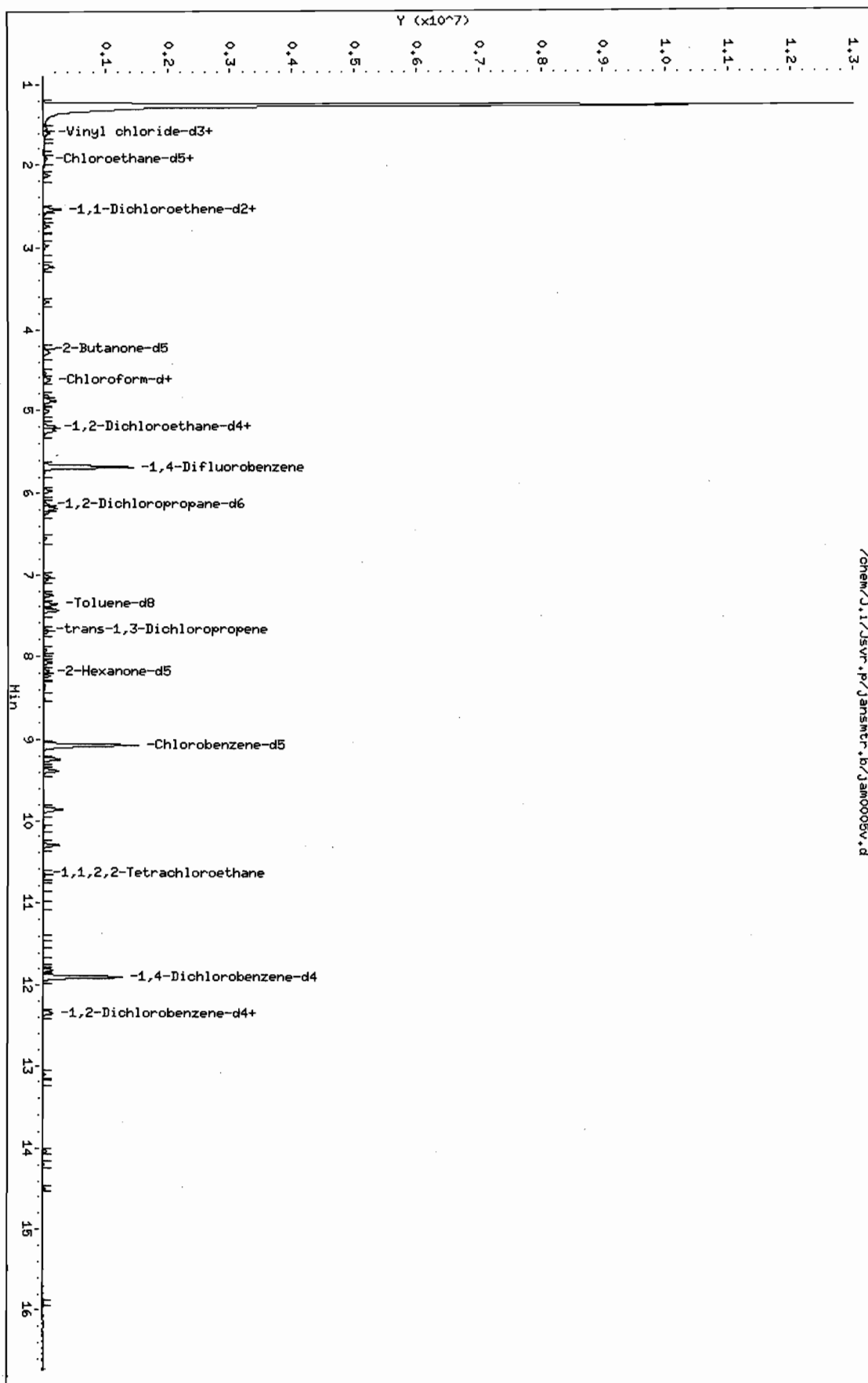
LAB FILE ID:		RRF0.5 = JAM0005V		RRF1.0 = JAM001V			
RRF5.0 = JAM005V		RRF10 = JAM010V		RRF20 = JAM020V			
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	RRF	%RSD
Vinyl chloride-d3	0.454	0.475	0.442	0.427	0.440	0.448	4.0
Chloroethane-d5	0.321	0.300	0.293	0.277	0.287	0.296	5.7
1,1-Dichloroethene-d2	0.911	0.940	0.902	0.853	0.884	0.898	3.6
2-Butanone-d5	0.043	0.043	0.040	0.041	0.041	0.042	3.2
Chloroform-d	0.586	0.618	0.604	0.589	0.614	0.602	2.4
1,2-Dichloroethane-d4	0.231	0.237	0.224	0.212	0.219	0.225	4.4
Benzene-d6	1.926	1.928	1.882	1.831	1.927	1.899	2.2
1,2-Dichloropropane-d6	0.426	0.496	0.476	0.463	0.479	0.468	5.6
Toluene-d8	1.655	1.826	1.712	1.674	1.766	1.727	4.0
trans-1,3-Dichloropropene-d4	0.373	0.358	0.354	0.355	0.372	0.362	2.5
2-Hexanone-d5	0.038	0.043	0.041	0.042	0.042	0.041	4.9
1,1,2,2-Tetrachloroethane-d2	0.141	0.152	0.146	0.149	0.149	0.147	2.8
1,2-Dichlorobenzene-d4	0.813	0.875	0.807	0.786	0.784	0.813	4.5

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jansmtr.b/jan0005v.d
Date : 25-MAR-2010 19:46
Client ID: VSTD0.535
Sample Info: VSTD0005
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JPI
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jansmtr.b/jam0005v.d
Report Date: 29-Mar-2010 12:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jansmtr.b/jam0005v.d
Lab Smp Id: VSTD0.5JS Client Smp ID: VSTD0.5JS
Inj Date : 25-MAR-2010 19:46
Operator : JP1 Inst ID: J.i
Smp Info : VSTD0005
Misc Info : VSTD0005JS,032510JS,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jansmtr.b/somtr4.m
Meth Date : 29-Mar-2010 12:23 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 19:46 Cal File: jam0005v.d
Als bottle: 4 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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		1.380	1.380	(0.243)	65978	0.50000	0.50
2 Chloromethane	50		1.544	1.544	(0.272)	85814	0.50000	0.50
\$ 3 Vinyl chloride-d3	65		1.599	1.599	(0.281)	55713	0.50000	0.51
4 Vinyl chloride	62		1.605	1.605	(0.283)	68694	0.50000	0.49(a)
5 Bromomethane	94		1.861	1.861	(0.328)	23148	0.50000	0.50
\$ 6 Chloroethane-d5	69		1.909	1.909	(0.336)	39416	0.50000	0.54
7 Chloroethane	64		1.934	1.934	(0.340)	35294	0.50000	0.48(a)
8 Trichlorofluoromethane	101		2.128	2.128	(0.375)	79640	0.50000	0.50
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	111691	0.50000	0.51
10 1,1-Dichloroethene	96		2.554	2.554	(0.450)	39879	0.50000	0.53(Q)
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.548	2.548	(0.449)	45891	0.50000	0.54
12 Acetone	43		2.597	2.597	(0.457)	30483	5.00000	5.4
13 Carbon disulfide	76		2.749	2.749	(0.484)	125784	0.50000	0.55
14 Methyl acetate	43		2.883	2.883	(0.507)	10393	0.50000	0.61

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	(ug/L)
15 Methylene chloride		84	2.980	2.980	(0.525)	34549	0.50000	0.55
16 trans-1,2-Dichloroethene		96	3.236	3.236	(0.570)	42750	0.50000	0.50
17 Methyl tert-butyl ether		73	3.236	3.236	(0.570)	52098	0.50000	0.53
18 1,1-Dichloroethane		63	3.655	3.655	(0.643)	86422	0.50000	0.47 (a)
\$ 19 2-Butanone-d5		46	4.239	4.233	(0.746)	53173	5.00000	5.2
20 cis-1,2-Dichloroethene		96	4.282	4.282	(0.754)	40922	0.50000	0.51
21 2-Butanone		43	4.306	4.300	(0.758)	49581	5.00000	4.8 (a)
22 Bromochloromethane		128	4.543	4.543	(0.800)	12606	0.50000	0.59 (Q)
\$ 23 Chloroform-d		84	4.610	4.617	(0.812)	71844	0.50000	0.49 (a)
24 Chloroform		83	4.635	4.635	(0.816)	68485	0.50000	0.49 (a)
25 1,1,1-Trichloroethane		97	4.829	4.836	(0.533)	73879	0.50000	0.48 (a)
26 Cyclohexane		56	4.890	4.890	(0.540)	137238	0.50000	0.50
27 Carbon tetrachloride		117	5.012	5.012	(0.553)	62863	0.50000	0.50
\$ 28 1,2-Dichloroethane-d4		65	5.188	5.188	(0.913)	28345	0.50000	0.51
\$ 29 Benzene-d6		84	5.201	5.201	(0.574)	173036	0.50000	0.51
30 Benzene		78	5.243	5.249	(0.578)	170635	0.50000	0.49 (a)
31 1,2-Dichloroethane		62	5.274	5.274	(0.928)	35324	0.50000	0.48 (a)
* 32 1,4-Difluorobenzene		114	5.681	5.681	(1.000)	1226267	5.00000	
33 Trichloroethene		95	5.967	5.973	(0.658)	44173	0.50000	0.48 (a)
\$ 34 1,2-Dichloropropane-d6		67	6.131	6.131	(0.676)	38308	0.50000	0.46 (a)
35 Methylcyclohexane		55	6.180	6.180	(0.682)	107276	0.50000	0.50
36 1,2-Dichloropropane		63	6.229	6.229	(0.687)	36592	0.50000	0.45 (a)
37 Bromodichloromethane		83	6.551	6.545	(0.723)	39277	0.50000	0.48 (a)
38 cis-1,3-Dichloropropene		75	7.062	7.062	(0.779)	47314	0.50000	0.49 (a)
39 4-Methyl-2-pentanone		43	7.257	7.257	(0.801)	124087	5.00000	4.9 (a)
\$ 40 Toluene-d8		98	7.366	7.366	(0.813)	148728	0.50000	0.48 (a)
41 Toluene		91	7.445	7.445	(0.821)	187484	0.50000	0.50
\$ 42 trans-1,3-Dichloropropene-d4		79	7.683	7.683	(0.848)	33484	0.50000	0.51
43 trans-1,3-Dichloropropene		75	7.713	7.713	(0.851)	34587	0.50000	0.49 (a)
44 1,1,2-Trichloroethane		97	7.926	7.926	(0.874)	14921	0.50000	0.51
45 Tetrachloroethene		164	8.078	8.078	(0.891)	34230	0.50000	0.50
\$ 46 2-Hexanone-d5		63	8.181	8.181	(0.903)	34110	5.00000	4.6 (a)
47 2-Hexanone		43	8.236	8.236	(0.909)	74480	5.00000	4.6 (a)
48 Dibromochloromethane		129	8.382	8.382	(0.925)	18341	0.50000	0.50
49 1,2-Dibromoethane		107	8.510	8.510	(0.939)	13331	0.50000	0.49 (a)
* 50 Chlorobenzene-d5		117	9.064	9.064	(1.000)	898574	5.00000	
51 Chlorobenzene		112	9.094	9.094	(1.003)	94595	0.50000	0.49 (a)
52 Ethylbenzene		91	9.234	9.234	(1.019)	215579	0.50000	0.49 (a)
53 m,p-Xylene		106	9.380	9.380	(1.035)	77576	0.50000	0.49 (a)
54 Styrene		104	9.873	9.873	(1.089)	102437	0.50000	0.49 (a)
55 o-Xylene		106	9.854	9.854	(1.087)	62332	0.50000	0.46 (aQ)
56 Bromoform		173	10.086	10.092	(0.848)	7679	0.50000	0.48 (a)
57 Isopropylbenzene		105	10.305	10.311	(1.137)	202736	0.50000	0.49 (a)
\$ 58 1,1,2,2-Tetrachloroethane-d2		84	10.651	10.657	(1.175)	12679	0.50000	0.48 (a)
59 1,1,2,2-Tetrachloroethane		83	10.688	10.688	(1.179)	11997	0.50000	0.47 (a)
60 1,3-Dichlorobenzene		146	11.813	11.813	(0.993)	67139	0.50000	0.52
* 61 1,4-Dichlorobenzene-d4		152	11.899	11.899	(1.000)	356204	5.00000	

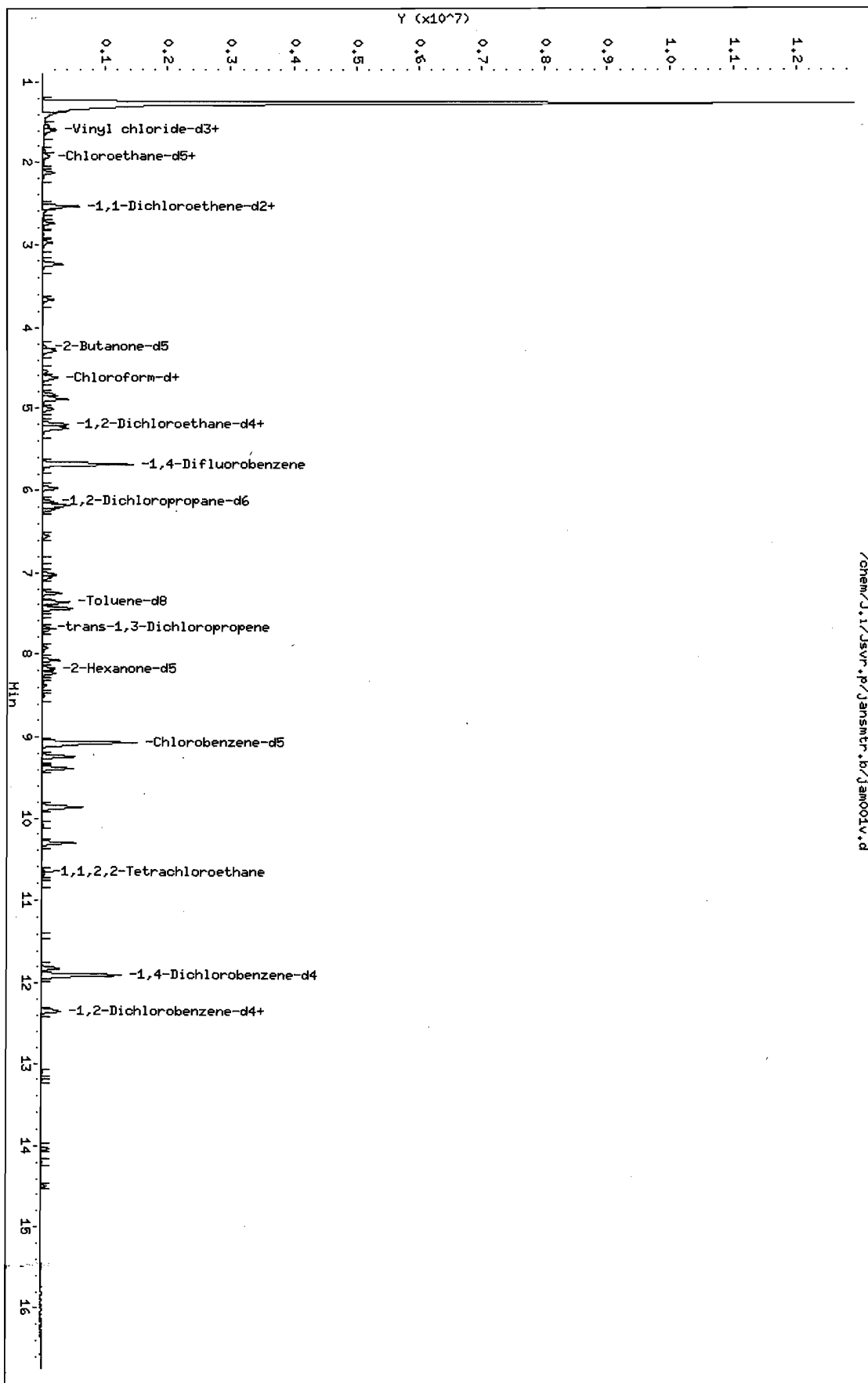
						AMOUNTS	
		QUANT SIG				CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.929	11.929	(1.003)	64177	0.50000	0.52
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	28967	0.50000	0.50
64 1,2-Dichlorobenzene	146	12.361	12.361	(1.039)	46707	0.50000	0.50
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	2636	0.50000	0.65 (Q)
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	16878	0.50000	0.47 (a)
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	10124	0.50000	0.44 (a)

QC Flag Legend

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

Data File: /chem/J.i/Jsvr.p/jansmr.b/jam001v.d
Date : 25-MAR-2010 20:14
Client ID: WSTD001JS
Sample Info: WSTD001
Purge Volume: 25.0
Column Phase: DB-624

Instrument: J.i
Operator: JPI
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jansmtr.b/jam001v.d
Lab Smp Id: VSTD001JS Client Smp ID: VSTD001JS
Inj Date : 25-MAR-2010 20:14
Operator : JP1 Inst ID: J.i
Smp Info : VSTD001
Misc Info : VSTD001JS,032510JS,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jansmtr.b/somtr4.m
Meth Date : 29-Mar-2010 12:23 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 20:14 Cal File: jam001v.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: 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

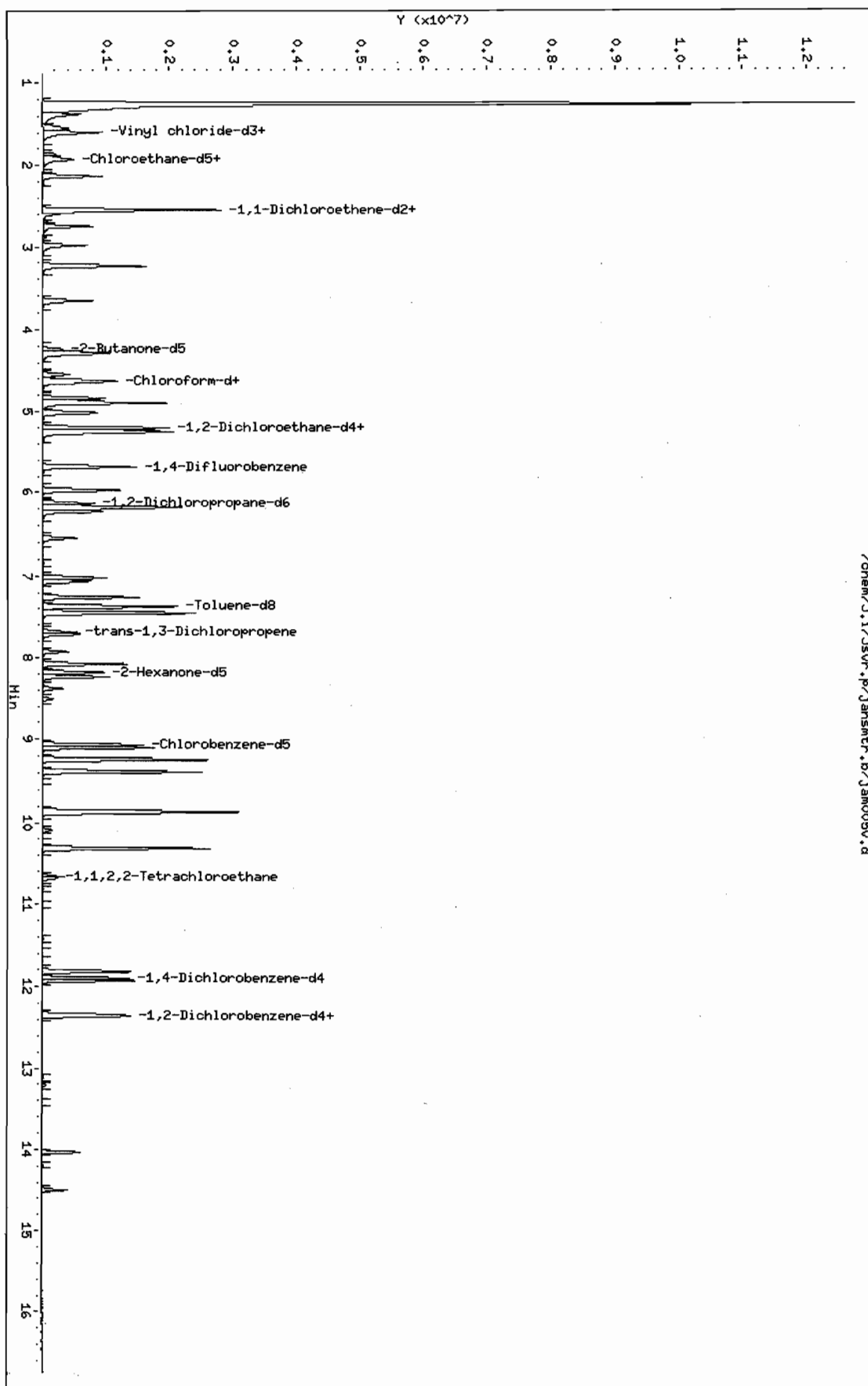
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		1.386	1.380	(0.244)	135410	1.00000	1.0
2 Chloromethane	50		1.544	1.544	(0.272)	179199	1.00000	1.0
\$ 3 Vinyl chloride-d3	65		1.599	1.599	(0.281)	116501	1.00000	1.1
4 Vinyl chloride	62		1.605	1.605	(0.283)	146961	1.00000	1.0
5 Bromomethane	94		1.861	1.861	(0.328)	43418	1.00000	0.94
\$ 6 Chloroethane-d5	69		1.909	1.909	(0.336)	73700	1.00000	1.0
7 Chloroethane	64		1.934	1.934	(0.340)	78235	1.00000	1.1
8 Trichlorofluoromethane	101		2.128	2.128	(0.375)	160681	1.00000	1.0
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	230619	1.00000	1.0
10 1,1-Dichloroethene	96		2.554	2.554	(0.450)	77634	1.00000	1.0
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.548	2.548	(0.449)	84348	1.00000	0.99
12 Acetone	43		2.597	2.597	(0.457)	61372	10.0000	11
13 Carbon disulfide	76		2.749	2.749	(0.484)	236916	1.00000	1.0
14 Methyl acetate	43		2.883	2.883	(0.507)	16133	1.00000	0.94

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride	84	2.980	2.980	(0.525)	63111	1.00000	1.0
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	87141	1.00000	1.0
17 Methyl tert-butyl ether	73	3.236	3.236	(0.570)	95609	1.00000	0.97
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	191342	1.00000	1.0
\$ 19 2-Butanone-d5	46	4.239	4.233	(0.746)	104998	10.0000	10
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	81618	1.00000	1.0
21 2-Butanone	43	4.306	4.300	(0.758)	108703	10.0000	11
22 Bromochloromethane	128	4.544	4.543	(0.800)	21298	1.00000	0.99
\$ 23 Chloroform-d	84	4.617	4.617	(0.813)	151664	1.00000	1.0
24 Chloroform	83	4.635	4.635	(0.816)	146481	1.00000	1.1
25 1,1,1-Trichloroethane	97	4.830	4.836	(0.533)	156528	1.00000	1.0
26 Cyclohexane	56	4.890	4.890	(0.540)	272091	1.00000	1.0
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	124370	1.00000	1.0
\$ 28 1,2-Dichloroethane-d4	65	5.189	5.188	(0.913)	58196	1.00000	1.1
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	338067	1.00000	1.0
30 Benzene	78	5.249	5.249	(0.579)	346406	1.00000	1.0
31 1,2-Dichloroethane	62	5.274	5.274	(0.928)	79569	1.00000	1.1
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1226472	5.00000	
33 Trichloroethene	95	5.967	5.973	(0.658)	93581	1.00000	1.0
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.131	(0.676)	87040	1.00000	1.1
35 Methylcyclohexane	55	6.180	6.180	(0.682)	219599	1.00000	1.0
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	82173	1.00000	1.0
37 Bromodichloromethane	83	6.551	6.545	(0.723)	81273	1.00000	1.0
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	98928	1.00000	1.0
39 4-Methyl-2-pentanone	43	7.257	7.257	(0.801)	252541	10.0000	10
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	320186	1.00000	1.1
41 Toluene	91	7.446	7.445	(0.821)	373178	1.00000	1.0
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	62851	1.00000	0.99
43 trans-1,3-Dichloropropene	75	7.719	7.713	(0.852)	69658	1.00000	1.0
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	28654	1.00000	1.00
45 Tetrachloroethene	164	8.078	8.078	(0.891)	70869	1.00000	1.1
\$ 46 2-Hexanone-d5	63	8.176	8.181	(0.902)	75861	10.0000	10
47 2-Hexanone	43	8.236	8.236	(0.909)	158458	10.0000	10
48 Dibromochloromethane	129	8.382	8.382	(0.925)	35713	1.00000	0.99
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	26864	1.00000	1.0
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	876692	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	195629	1.00000	1.0
52 Ethylbenzene	91	9.234	9.234	(1.019)	441679	1.00000	1.0
53 m,p-Xylene	106	9.380	9.380	(1.035)	154976	1.00000	1.0
54 Styrene	104	9.873	9.873	(1.089)	207992	1.00000	1.0
55 o-Xylene	106	9.855	9.854	(1.087)	134427	1.00000	1.0
56 Bromoform	173	10.086	10.092	(0.848)	15617	1.00000	0.97
57 Isopropylbenzene	105	10.305	10.311	(1.137)	423207	1.00000	1.0
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.658	10.657	(1.176)	26630	1.00000	1.0
59 1,1,2,2-Tetrachloroethane	83	10.688	10.688	(1.179)	25387	1.00000	1.0
60 1,3-Dichlorobenzene	146	11.814	11.813	(0.993)	131721	1.00000	1.0
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	361027	5.00000	

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.923	11.929	(1.002)	126766	1.00000	1.0
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	63197	1.00000	1.1
64 1,2-Dichlorobenzene	146	12.355	12.361	(1.038)	97214	1.00000	1.0
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	4228	1.00000	1.0
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	39209	1.00000	1.1
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	24772	1.00000	1.1

Data File: /chem/J.i/Jsvr.p/jansmr.b/jam005v.d
Date : 25-MAR-2010 20:41
Client ID: VSTD005JS
Sample Info: VSTD005
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JPL
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jansmtr.b/jam005v.d
Report Date: 29-Mar-2010 12:23

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jansmtr.b/jam005v.d
Lab Smp Id: VSTD005JS Client Smp ID: VSTD005JS
Inj Date : 25-MAR-2010 20:41
Operator : JP1 Inst ID: J.i
Smp Info : VSTD005
Misc Info : VSTD005JS,032510JS,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jansmtr.b/somtr4.m
Meth Date : 29-Mar-2010 12:23 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 20:41 Cal File: jam005v.d
Als bottle: 6 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

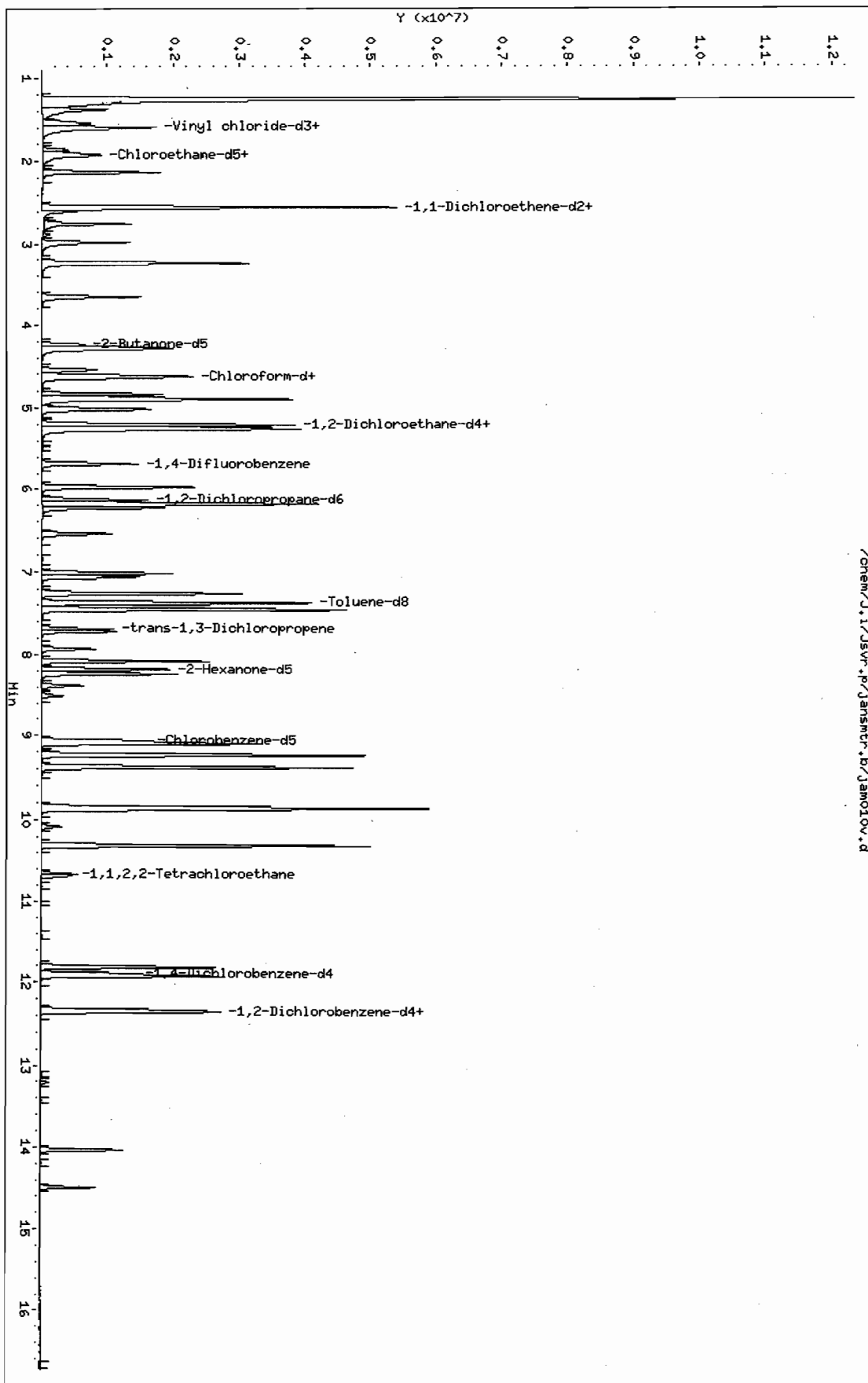
Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		1.380	1.380	(0.243)	652675	5.00000	4.9
2 Chloromethane	50		1.544	1.544	(0.272)	874940	5.00000	5.0
\$ 3 Vinyl chloride-d3	65		1.599	1.599	(0.281)	547111	5.00000	4.9
4 Vinyl chloride	62		1.605	1.605	(0.283)	709683	5.00000	5.0
5 Bromomethane	94		1.861	1.861	(0.328)	227321	5.00000	4.9
\$ 6 Chloroethane-d5	69		1.909	1.909	(0.336)	362362	5.00000	5.0
7 Chloroethane	64		1.934	1.934	(0.340)	371467	5.00000	5.0
8 Trichlorofluoromethane	101		2.128	2.128	(0.375)	796679	5.00000	5.0
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	1115055	5.00000	5.0
10 1,1-Dichloroethene	96		2.554	2.554	(0.450)	372313	5.00000	4.9
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.548	2.548	(0.449)	426169	5.00000	5.0
12 Acetone	43		2.597	2.597	(0.457)	270746	50.0000	48
13 Carbon disulfide	76		2.749	2.749	(0.484)	1137231	5.00000	4.9
14 Methyl acetate	43		2.883	2.883	(0.507)	80007	5.00000	4.6

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride	84	2.980	2.980	(0.525)	306802		5.00000	4.8
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	431084		5.00000	5.0
17 Methyl tert-butyl ether	73	3.236	3.236	(0.570)	493632		5.00000	4.9
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	932047		5.00000	5.1
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	499534		50.0000	49
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	402022		5.00000	5.0
21 2-Butanone	43	4.300	4.300	(0.757)	517382		50.0000	50
22 Bromochloromethane	128	4.543	4.543	(0.800)	98767		5.00000	4.6
\$ 23 Chloroform-d	84	4.617	4.617	(0.813)	746461		5.00000	5.0
24 Chloroform	83	4.635	4.635	(0.816)	687681		5.00000	4.9
25 1,1,1-Trichloroethane	97	4.836	4.836	(0.534)	759542		5.00000	5.0
26 Cyclohexane	56	4.890	4.890	(0.540)	1360233		5.00000	5.0
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	620979		5.00000	5.0
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	277542		5.00000	5.0
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1672436		5.00000	5.0
30 Benzene	78	5.249	5.249	(0.579)	1727972		5.00000	5.0
31 1,2-Dichloroethane	62	5.274	5.274	(0.928)	381523		5.00000	5.1
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1236544		5.00000	
33 Trichloroethene	95	5.973	5.973	(0.659)	456378		5.00000	5.0
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.131	(0.676)	423088		5.00000	5.1
35 Methylcyclohexane	55	6.180	6.180	(0.682)	1063892		5.00000	5.0
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	411595		5.00000	5.1
37 Bromodichloromethane	83	6.545	6.545	(0.722)	396754		5.00000	4.9
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	477230		5.00000	5.0
39 4-Methyl-2-pentanone	43	7.257	7.257	(0.801)	1250469		50.0000	49
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	1521582		5.00000	5.0
41 Toluene	91	7.445	7.445	(0.821)	1837779		5.00000	4.9
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	314926		5.00000	4.9
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	335514		5.00000	4.8
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	142266		5.00000	4.9
45 Tetrachloroethene	164	8.078	8.078	(0.891)	342454		5.00000	5.0
\$ 46 2-Hexanone-d5	63	8.181	8.181	(0.903)	367749		50.0000	50
47 2-Hexanone	43	8.236	8.236	(0.909)	814362		50.0000	51
48 Dibromochloromethane	129	8.382	8.382	(0.925)	183596		5.00000	5.0
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	137637		5.00000	5.1
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	888715		5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	943162		5.00000	4.9
52 Ethylbenzene	91	9.234	9.234	(1.019)	2171901		5.00000	5.0
53 m,p-Xylene	106	9.380	9.380	(1.035)	780697		5.00000	5.0
54 Styrene	104	9.873	9.873	(1.089)	1051038		5.00000	5.1
55 o-Xylene	106	9.854	9.854	(1.087)	684155		5.00000	5.1
56 Bromoform	173	10.092	10.092	(0.848)	82687		5.00000	5.2
57 Isopropylbenzene	105	10.311	10.311	(1.138)	2049892		5.00000	5.0
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.657	10.657	(1.176)	129359		5.00000	4.9
59 1,1,2,2-Tetrachloroethane	83	10.688	10.688	(1.179)	129389		5.00000	5.1
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	651131		5.00000	5.0
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	358511		5.00000	

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/L)	ON-COL (ug/L)
=====	----	==	-----	-----	-----	-----	-----	-----
62 1,4-Dichlorobenzene	146		11.929	11.929	(1.003)	610180	5.00000	4.9
\$ 63 1,2-Dichlorobenzene-d4	152		12.337	12.337	(1.037)	289352	5.00000	5.0
64 1,2-Dichlorobenzene	146		12.361	12.361	(1.039)	462521	5.00000	5.0
65 1,2-Dibromo-3-chloropropane	75		13.213	13.213	(1.110)	18735	5.00000	4.6
66 1,2,4-Trichlorobenzene	180		14.034	14.034	(1.179)	174422	5.00000	4.8
67 1,2,3-Trichlorobenzene	180		14.496	14.496	(1.218)	110509	5.00000	4.8

Data File: /chem/J.i/Jsvr.p/jansmr.b/jam010v.d
Date: 25-MAR-2010 21:09
Client ID: VSTD010JS
Sample Info: VSTD010
Purge Volume: 25.0
Column Phase: DB-624

Instrument: J.i
Operator: JPI
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jansmtr.b/jam010v.d
Report Date: 29-Mar-2010 12:23

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jansmtr.b/jam010v.d
Lab Smp Id: VSTD010JS Client Smp ID: VSTD010JS
Inj Date : 25-MAR-2010 21:09
Operator : JP1 Inst ID: J.i
Smp Info : VSTD010
Misc Info : VSTD010JS,032510JS,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jansmtr.b/somtr4.m
Meth Date : 29-Mar-2010 12:23 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:09 Cal File: jam010v.d
Als bottle: 7 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	AMOUNTS					
		CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	1295257	10.0000	9.8
2 Chloromethane	50	1.550	1.544	(0.273)	1684768	10.0000	9.7
\$ 3 Vinyl chloride-d3	65	1.599	1.599	(0.281)	1056609	10.0000	9.5
4 Vinyl chloride	62	1.605	1.605	(0.283)	1387135	10.0000	9.8
5 Bromomethane	94	1.861	1.861	(0.328)	474794	10.0000	10
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	685076	10.0000	9.4
7 Chloroethane	64	1.927	1.934	(0.339)	709656	10.0000	9.6
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	1536893	10.0000	9.7
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	2108232	10.0000	9.5
10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	722680	10.0000	9.5
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.448)	827688	10.0000	9.6
12 Acetone	43	2.597	2.597	(0.457)	526176	100.000	93
13 Carbon disulfide	76	2.749	2.749	(0.484)	2095104	10.0000	9.1
14 Methyl acetate	43	2.883	2.883	(0.507)	169629	10.0000	9.8

Compounds	QUANT SIG	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)	603134	10.0000	9.5
16 trans-1,2-Dichloroethene	96	3.235	3.236	(0.570)	830269	10.0000	9.7
17 Methyl tert-butyl ether	73	3.235	3.236	(0.570)	976263	10.0000	9.8
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	1797412	10.0000	9.8
\$ 19 2-Butanone-d5	46	4.239	4.233	(0.746)	1006364	100.000	98
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	770233	10.0000	9.6
21 2-Butanone	43	4.300	4.300	(0.757)	1019498	100.000	98
22 Bromochloromethane	128	4.543	4.543	(0.800)	203364	10.0000	9.4
\$ 23 Chloroform-d	84	4.616	4.617	(0.813)	1456493	10.0000	9.8
24 Chloroform	83	4.635	4.635	(0.816)	1347213	10.0000	9.7
25 1,1,1-Trichloroethane	97	4.835	4.836	(0.534)	1462374	10.0000	9.7
26 Cyclohexane	56	4.890	4.890	(0.540)	2643513	10.0000	9.8
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	1209726	10.0000	9.7
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	525271	10.0000	9.5
\$ 29 Benzene-d6	84	5.207	5.201	(0.574)	3242470	10.0000	9.6
30 Benzene	78	5.249	5.249	(0.579)	3349628	10.0000	9.8
31 1,2-Dichloroethane	62	5.273	5.274	(0.928)	731101	10.0000	9.8
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1236149	5.00000	
33 Trichloroethene	95	5.973	5.973	(0.659)	881356	10.0000	9.7
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.131	(0.676)	819337	10.0000	9.9
35 Methylcyclohexane	55	6.180	6.180	(0.682)	2065737	10.0000	9.7
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	797387	10.0000	10
37 Bromodichloromethane	83	6.545	6.545	(0.722)	796540	10.0000	9.9
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	930712	10.0000	9.7
39 4-Methyl-2-pentanone	43	7.257	7.257	(0.801)	2517828	100.000	100
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	2963894	10.0000	9.7
41 Toluene	91	7.445	7.445	(0.821)	3616230	10.0000	9.7
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	627949	10.0000	9.8
43 trans-1,3-Dichloropropene	75	7.719	7.713	(0.852)	689952	10.0000	10
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	290136	10.0000	10
45 Tetrachloroethene	164	8.078	8.078	(0.891)	642246	10.0000	9.5
\$ 46 2-Hexanone-d5	63	8.181	8.181	(0.903)	745869	100.000	100
47 2-Hexanone	43	8.236	8.236	(0.909)	1632406	100.000	100
48 Dibromochloromethane	129	8.382	8.382	(0.925)	360594	10.0000	9.9
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	265468	10.0000	9.9
* 50 Chlorobenzene-d5	117	9.063	9.064	(1.000)	885242	5.00000	
51 Chlorobenzene	112	9.100	9.094	(1.004)	1886236	10.0000	9.9
52 Ethylbenzene	91	9.240	9.234	(1.019)	4190543	10.0000	9.7
53 m,p-Xylene	106	9.380	9.380	(1.035)	1503719	10.0000	9.7
54 Styrene	104	9.873	9.873	(1.089)	2043259	10.0000	9.9
55 o-Xylene	106	9.854	9.854	(1.087)	1312624	10.0000	9.9
56 Bromoform	173	10.086	10.092	(0.848)	162710	10.0000	10
57 Isopropylbenzene	105	10.311	10.311	(1.138)	3927578	10.0000	9.6
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.657	10.657	(1.176)	264604	10.0000	10
59 1,1,2,2-Tetrachloroethane	83	10.688	10.688	(1.179)	253140	10.0000	10
60 1,3-Dichlorobenzene	146	11.819	11.813	(0.993)	1276761	10.0000	9.7
* 61 1,4-Dichlorobenzene-d4	152	11.898	11.899	(1.000)	362590	5.00000	(Q)

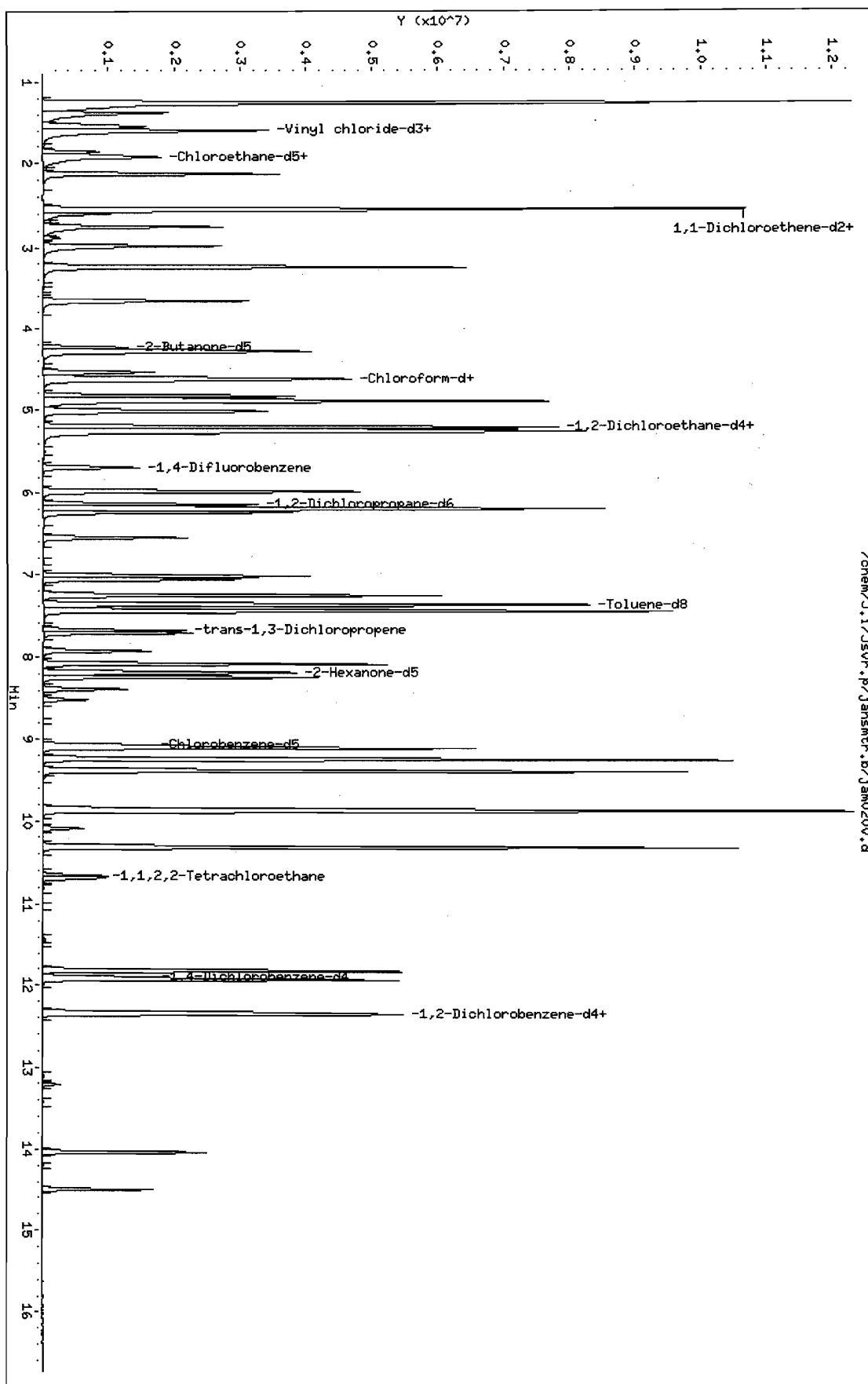
Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.929	11.929	(1.003)	1238778		10.0000	9.9
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)	570096		10.0000	9.7
64 1,2-Dichlorobenzene	146	12.361	12.361	(1.039)	926714		10.0000	9.8
65 1,2-Dibromo-3-chloropropane	75	13.212	13.213	(1.110)	35713		10.0000	8.6
66 1,2,4-Trichlorobenzene	180	14.040	14.034	(1.180)	365393		10.0000	10
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	250405		10.0000	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jansmr.b/jam020v.d
 Date : 25-MAR-2010 21:37
 Client ID: VSTD020JS
 Sample Info: VSTD020
 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/jansmtr.b/jam020v.d
Lab Smp Id: VSTD020JS Client Smp ID: VSTD020JS
Inj Date : 25-MAR-2010 21:37
Operator : JP1 Inst ID: J.i
Smp Info : VSTD020
Misc Info : VSTD020JS,032510JS,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jansmtr.b/somtr4.m
Meth Date : 29-Mar-2010 12:23 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 8 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	ON-COL
							(ug/L)	(ug/L)
1 Dichlorodifluoromethane		85	1.380	1.380	(0.243)	2596869	20.0000	20
2 Chloromethane		50	1.544	1.544	(0.272)	3489370	20.0000	20 (A)
\$ 3 Vinyl chloride-d3		65	1.599	1.599	(0.281)	2158748	20.0000	20
4 Vinyl chloride		62	1.605	1.605	(0.283)	2832819	20.0000	20 (A)
5 Bromomethane		94	1.855	1.861	(0.326)	1004593	20.0000	22 (A)
\$ 6 Chloroethane-d5		69	1.909	1.909	(0.336)	1406104	20.0000	19
7 Chloroethane		64	1.928	1.934	(0.339)	1482916	20.0000	20 (A)
8 Trichlorofluoromethane		101	2.122	2.128	(0.374)	3164392	20.0000	20 (A)
\$ 9 1,1-Dichloroethene-d2		63	2.542	2.542	(0.447)	4334230	20.0000	20
10 1,1-Dichloroethene		96	2.548	2.554	(0.449)	1491536	20.0000	20
11 1,1,2-Trichloro-1,2,2-trifluo		101	2.548	2.548	(0.449)	1677436	20.0000	20
12 Acetone		43	2.597	2.597	(0.457)	1040070	200.000	190
13 Carbon disulfide		76	2.749	2.749	(0.484)	4473002	20.0000	20
14 Methyl acetate		43	2.883	2.883	(0.507)	320607	20.0000	19

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
=====	----	--	-----	-----	-----	-----	-----
15 Methylene chloride	84	2.980	2.980	(0.525)	1221032	20.0000	19
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	1709972	20.0000	20 (A)
17 Methyl tert-butyl ether	73	3.236	3.236	(0.570)	2002156	20.0000	20 (A)
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	3695146	20.0000	20 (A)
\$ 19 2-Butanone-d5	46	4.239	4.233	(0.746)	2008123	200.000	200
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	1593664	20.0000	20
21 2-Butanone	43	4.300	4.300	(0.757)	2071110	200.000	200 (A)
22 Bromochloromethane	128	4.544	4.543	(0.800)	416471	20.0000	19
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	3009205	20.0000	20 (A)
24 Chloroform	83	4.635	4.635	(0.816)	2777652	20.0000	20 (A)
25 1,1,1-Trichloroethane	97	4.836	4.836	(0.534)	3038759	20.0000	20 (A)
26 Cyclohexane	56	4.890	4.890	(0.540)	5395651	20.0000	20 (A)
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	2545180	20.0000	21 (A)
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	1073011	20.0000	19
\$ 29 Benzene-d6	84	5.207	5.201	(0.574)	6737848	20.0000	20 (A)
30 Benzene	78	5.249	5.249	(0.579)	6937014	20.0000	20 (A)
31 1,2-Dichloroethane	62	5.274	5.274	(0.928)	1459146	20.0000	20
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1226228	5.00000	
33 Trichloroethene	95	5.973	5.973	(0.659)	1853547	20.0000	21 (A)
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.131	(0.676)	1673184	20.0000	20 (A)
35 Methylcyclohexane	55	6.180	6.180	(0.682)	4182971	20.0000	20
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	1623636	20.0000	21 (A)
37 Bromodichloromethane	83	6.545	6.545	(0.722)	1622675	20.0000	21 (A)
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	1899891	20.0000	20 (A)
39 4-Methyl-2-pentanone	43	7.257	7.257	(0.801)	5093869	200.000	200 (A)
\$ 40 Toluene-d8	98	7.372	7.366	(0.813)	6176160	20.0000	20 (A)
41 Toluene	91	7.445	7.445	(0.821)	7536765	20.0000	21 (A)
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	1301038	20.0000	21 (A)
43 trans-1,3-Dichloropropene	75	7.719	7.713	(0.852)	1393621	20.0000	20 (A)
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	585892	20.0000	20 (A)
45 Tetrachloroethene	164	8.078	8.078	(0.891)	1345604	20.0000	20 (A)
\$ 46 2-Hexanone-d5	63	8.182	8.181	(0.903)	1470286	200.000	200 (A)
47 2-Hexanone	43	8.236	8.236	(0.909)	3297377	200.000	210 (A)
48 Dibromochloromethane	129	8.382	8.382	(0.925)	728361	20.0000	20 (A)
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	534092	20.0000	20 (A)
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	874118	5.00000	
51 Chlorobenzene	112	9.100	9.094	(1.004)	3795677	20.0000	20 (A)
52 Ethylbenzene	91	9.240	9.234	(1.019)	8796476	20.0000	21 (A)
53 m,p-Xylene	106	9.380	9.380	(1.035)	3122365	20.0000	20 (A)
54 Styrene	104	9.879	9.873	(1.090)	4155210	20.0000	20 (A)
55 o-Xylene	106	9.855	9.854	(1.087)	2766346	20.0000	21 (A)
56 Bromoform	173	10.092	10.092	(0.848)	336312	20.0000	20 (A)
57 Isopropylbenzene	105	10.311	10.311	(1.138)	8447008	20.0000	21 (A)
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.658	10.657	(1.176)	520813	20.0000	20 (A)
59 1,1,2,2-Tetrachloroethane	83	10.688	10.688	(1.179)	518440	20.0000	21 (A)
60 1,3-Dichlorobenzene	146	11.820	11.813	(0.993)	2611830	20.0000	20
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	368780	5.00000	20

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	----	--	-----	-----	-----	-----	-----
62 1,4-Dichlorobenzene	146	11.929	11.929	(1.003)	2506758	20.0000	20
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	1156410	20.0000	19
64 1,2-Dichlorobenzene	146	12.361	12.361	(1.039)	1895700	20.0000	20
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	75062	20.0000	18
66 1,2,4-Trichlorobenzene	180	14.040	14.034	(1.180)	741413	20.0000	20 (A)
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	483806	20.0000	20 (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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 0914
Lab File ID: JAN05AV Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005JT Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.534	0.527	0.010	-1.3	40.0
Chloromethane	0.706	0.705	0.010	-0.2	40.0
Vinyl chloride	0.574	0.559	0.100	-2.6	30.0
Bromomethane	0.189	0.203	0.100	7.3	30.0
Chloroethane	0.299	0.303	0.010	1.2	40.0
Trichlorofluoromethane	0.643	0.635	0.010	-1.2	40.0
1,1-Dichloroethene	0.308	0.294	0.100	-4.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.348	0.345	0.010	-0.8	40.0
Acetone	0.023	0.023	0.010	1.0	40.0
Carbon disulfide	0.934	0.972	0.010	4.1	40.0
Methyl acetate	0.070	0.077	0.010	9.7	40.0
Methylene chloride	0.256	0.253	0.010	-1.1	40.0
trans-1,2-Dichloroethene	0.347	0.340	0.010	-2.2	40.0
Methyl tert-butyl ether	0.403	0.411	0.010	1.9	40.0
1,1-Dichloroethane	0.744	0.738	0.200	-0.8	30.0
cis-1,2-Dichloroethene	0.326	0.321	0.010	-1.4	40.0
2-Butanone	0.042	0.040	0.010	-3.7	40.0
Bromochloromethane	0.087	0.088	0.050	0.9	30.0
Chloroform	0.565	0.561	0.200	-0.7	30.0
1,1,1-Trichloroethane	0.853	0.837	0.100	-1.8	30.0
Cyclohexane	1.529	1.481	0.010	-3.1	40.0
Carbon tetrachloride	0.704	0.687	0.100	-2.3	30.0
Benzene	1.939	1.869	0.400	-3.6	30.0
1,2-Dichloroethane	0.303	0.312	0.100	2.9	30.0
Trichloroethene	0.513	0.495	0.300	-3.6	30.0
Methylcyclohexane	1.201	1.177	0.010	-2.0	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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 0914
Lab File ID: JAN05AV Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD####): VSTD005JT Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.451	0.453	0.010	0.4	40.0
Bromodichloromethane	0.452	0.454	0.200	0.4	30.0
cis-1,3-Dichloropropene	0.539	0.536	0.200	-0.7	30.0
4-Methyl-2-pentanone	0.142	0.140	0.010	-1.8	40.0
Toluene	2.096	2.042	0.400	-2.6	30.0
trans-1,3-Dichloropropene	0.390	0.374	0.100	-4.1	30.0
1,1,2-Trichloroethane	0.164	0.159	0.100	-3.1	30.0
Tetrachloroethene	0.384	0.372	0.100	-3.1	30.0
2-Hexanone	0.090	0.090	0.010	0.1	40.0
Dibromochloromethane	0.205	0.193	0.100	-5.8	30.0
1,2-Dibromoethane	0.152	0.141	0.010	-7.2	30.0
Chlorobenzene	1.076	1.085	0.500	0.8	30.0
Ethylbenzene	2.449	2.431	0.100	-0.7	30.0
o-Xylene	0.753	0.780	0.300	3.7	30.0
m,p-Xylene	0.874	0.870	0.300	-0.4	30.0
Styrene	1.170	1.169	0.300	-0.1	30.0
Bromoform	0.223	0.209	0.050	-6.2	30.0
Isopropylbenzene	2.322	2.379	0.010	2.4	40.0
1,1,2,2-Tetrachloroethane	0.143	0.139	0.100	-2.7	30.0
1,3-Dichlorobenzene	1.811	1.787	0.400	-1.3	30.0
1,4-Dichlorobenzene	1.733	1.673	0.400	-3.5	30.0
1,2-Dichlorobenzene	1.302	1.287	0.400	-1.2	30.0
1,2-Dibromo-3-chloropropane	0.057	0.053	0.010	-7.7	40.0
1,2,4-Trichlorobenzene	0.502	0.525	0.200	4.7	30.0
1,2,3-Trichlorobenzene	0.322	0.348	0.200	8.1	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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 0914
Lab File ID: JAN05AV Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005JT Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

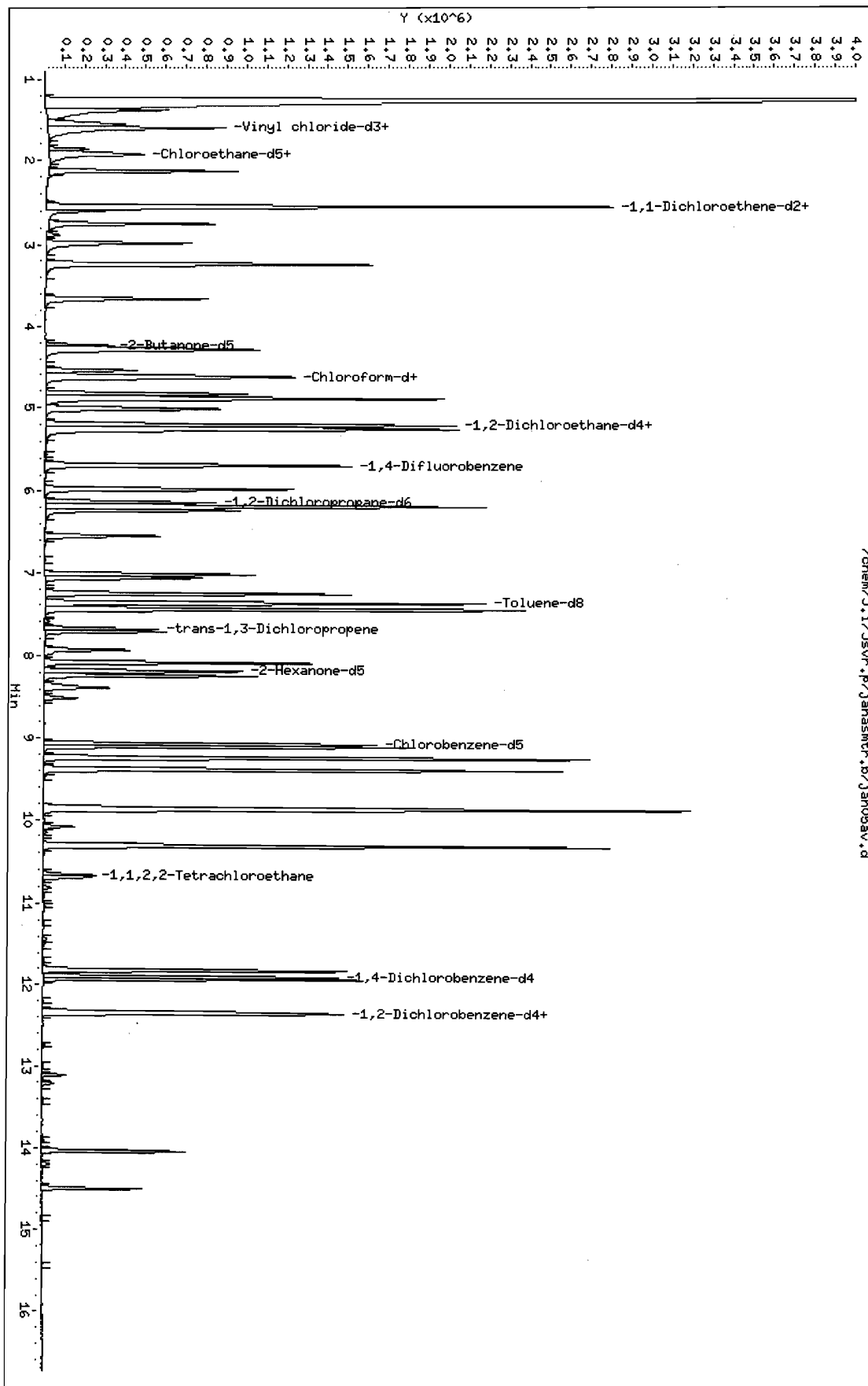
COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.448	0.435	0.010	-2.9	30.0
Chloroethane-d5	0.296	0.282	0.010	-4.7	40.0
1,1-Dichloroethene-d2	0.898	0.889	0.010	-1.0	30.0
2-Butanone-d5	0.042	0.041	0.010	-2.2	40.0
Chloroform-d	0.602	0.614	0.010	1.9	30.0
1,2-Dichloroethane-d4	0.225	0.230	0.010	2.3	30.0
Benzene-d6	1.899	1.810	0.400	-4.7	30.0
1,2-Dichloropropane-d6	0.468	0.442	0.010	-5.6	40.0
Toluene-d8	1.727	1.661	0.010	-3.8	30.0
trans-1,3-Dichloropropene-d4	0.362	0.369	0.010	1.9	30.0
2-Hexanone-d5	0.041	0.039	0.010	-4.8	40.0
1,1,2,2-Tetrachloroethane-d2	0.147	0.143	0.010	-2.7	30.0
1,2-Dichlorobenzene-d4	0.813	0.787	0.010	-3.2	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/janasmtr.b/jan05av.d
Date: 26-Mar-2010 09:14
Client ID: VSTD005JT
Sample Info: JAN05AV
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/J.i/Jsvr.p/janasmtr.b/jan05av.d
Lab Smp Id: VSTD005JT Client Smp ID: VSTD005JT
Inj Date : 26-MAR-2010 09:14
Operator : MTP Inst ID: J.i
Smp Info : JAN05AV
Misc Info : VSTD005JT,,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		1.380	1.380	(0.243)	665267	5.00000	4.9
2 Chloromethane	50		1.550	1.544	(0.273)	888949	5.00000	5.0
\$ 3 Vinyl chloride-d3	65		1.599	1.599	(0.281)	548947	5.00000	4.9
4 Vinyl chloride	62		1.599	1.605	(0.281)	705582	5.00000	4.9
5 Bromomethane	94		1.855	1.861	(0.326)	256334	5.00000	5.4
\$ 6 Chloroethane-d5	69		1.909	1.909	(0.336)	355448	5.00000	4.8
7 Chloroethane	64		1.928	1.934	(0.339)	382314	5.00000	5.1
8 Trichlorofluoromethane	101		2.128	2.128	(0.375)	801804	5.00000	4.9
\$ 9 1,1-Dichloroethene-d2	63		2.542	2.542	(0.447)	1121986	5.00000	5.0
10 1,1-Dichloroethene	96		2.554	2.554	(0.450)	371501	5.00000	4.8
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.548	2.548	(0.449)	435275	5.00000	5.0
12 Acetone	43		2.597	2.597	(0.457)	291230	50.0000	50
13 Carbon disulfide	76		2.749	2.749	(0.484)	1226772	5.00000	5.2
14 Methyl acetate	43		2.883	2.883	(0.507)	96689	5.00000	5.5

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ug/L)	ON-COL (ug/L)
-----	----	==	-----	-----	-----	-----	-----
15 Methylene chloride	84	2.980	2.980	(0.525)	319426	5.00000	4.9
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	428879	5.00000	4.9
17 Methyl tert-butyl ether	73	3.230	3.236	(0.568)	518489	5.00000	5.1
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	931453	5.00000	5.0
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	513680	50.0000	49
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	405277	5.00000	4.9
21 2-Butanone	43	4.300	4.300	(0.757)	510292	50.0000	48
22 Bromochloromethane	128	4.544	4.543	(0.800)	111207	5.00000	5.0
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	774155	5.00000	5.1
24 Chloroform	83	4.635	4.635	(0.816)	707687	5.00000	5.0
25 1,1,1-Trichloroethane	97	4.830	4.836	(0.533)	769495	5.00000	4.9
26 Cyclohexane	56	4.884	4.890	(0.539)	1360935	5.00000	4.8
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	631632	5.00000	4.9
\$ 28 1,2-Dichloroethane-d4	65	5.182	5.188	(0.912)	290212	5.00000	5.1
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1663401	5.00000	4.8
30 Benzene	78	5.243	5.249	(0.578)	1716831	5.00000	4.8
31 1,2-Dichloroethane	62	5.268	5.274	(0.927)	393388	5.00000	5.1
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1261802	5.00000	
33 Trichloroethene	95	5.967	5.973	(0.658)	454872	5.00000	4.8
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	406063	5.00000	4.7
35 Methylcyclohexane	55	6.180	6.180	(0.682)	1081889	5.00000	4.9
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	415776	5.00000	5.0
37 Bromodichloromethane	83	6.545	6.545	(0.722)	416998	5.00000	5.0
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	492190	5.00000	5.0
39 4-Methyl-2-pentanone	43	7.251	7.257	(0.800)	1282183	50.0000	49
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	1526421	5.00000	4.8
41 Toluene	91	7.445	7.445	(0.821)	1876662	5.00000	4.9
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	339476	5.00000	5.1
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	343361	5.00000	4.8
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	146258	5.00000	4.8
45 Tetrachloroethene	164	8.078	8.078	(0.891)	341620	5.00000	4.8
\$ 46 2-Hexanone-d5	63	8.175	8.181	(0.902)	361896	50.0000	48
47 2-Hexanone	43	8.236	8.236	(0.909)	830313	50.0000	50
48 Dibromochloromethane	129	8.382	8.382	(0.925)	177690	5.00000	4.7
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	129482	5.00000	4.6
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	918822	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	996824	5.00000	5.0
52 Ethylbenzene	91	9.234	9.234	(1.019)	2234035	5.00000	5.0
53 m,p-Xylene	106	9.380	9.380	(1.035)	799249	5.00000	5.0
54 Styrene	104	9.873	9.873	(1.089)	1074235	5.00000	5.0
55 o-Xylene	106	9.855	9.854	(1.087)	716814	5.00000	5.2
56 Bromoform	173	10.086	10.092	(0.848)	80626	5.00000	4.7
57 Isopropylbenzene	105	10.305	10.311	(1.137)	2185503	5.00000	5.1
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.651	10.657	(1.175)	131815	5.00000	4.9
59 1,1,2,2-Tetrachloroethane	83	10.682	10.688	(1.179)	127913	5.00000	4.9
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	689196	5.00000	4.9
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	385680	5.00000	

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COI (ug/L)
=====	----	--	-----	-----	-----	-----	-----
62 1,4-Dichlorobenzene	146	11.923	11.929	(1.002)	645178	5.00000	4.8
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	303479	5.00000	4.8
64 1,2-Dichlorobenzene	146	12.355	12.361	(1.038)	496288	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	20297	5.00000	4.6
66 1,2,4-Trichlorobenzene	180	14.040	14.034	(1.180)	202662	5.00000	5.2
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	134101	5.00000	5.4

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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 1828
Lab File ID: JAN05AC1 Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005TJ Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.534	0.501	0.010	-6.2	50.0
Chloromethane	0.706	0.664	0.010	-6.0	50.0
Vinyl chloride	0.574	0.544	0.010	-5.4	50.0
Bromomethane	0.189	0.187	0.010	-1.4	50.0
Chloroethane	0.299	0.288	0.010	-3.7	50.0
Trichlorofluoromethane	0.643	0.631	0.010	-1.9	50.0
1,1-Dichloroethene	0.308	0.286	0.010	-7.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.348	0.334	0.010	-4.0	50.0
Acetone	0.023	0.021	0.010	-6.8	50.0
Carbon disulfide	0.934	0.907	0.010	-2.9	50.0
Methyl acetate	0.070	0.075	0.010	6.8	50.0
Methylene chloride	0.256	0.236	0.010	-7.7	50.0
trans-1,2-Dichloroethene	0.347	0.335	0.010	-3.6	50.0
Methyl tert-butyl ether	0.403	0.408	0.010	1.2	50.0
1,1-Dichloroethane	0.744	0.728	0.010	-2.2	50.0
cis-1,2-Dichloroethene	0.326	0.314	0.010	-3.7	50.0
2-Butanone	0.042	0.044	0.010	4.0	50.0
Bromochloromethane	0.087	0.082	0.010	-5.9	50.0
Chloroform	0.565	0.570	0.010	0.9	50.0
1,1,1-Trichloroethane	0.853	0.797	0.010	-6.5	50.0
Cyclohexane	1.529	1.385	0.010	-9.4	50.0
Carbon tetrachloride	0.704	0.672	0.010	-4.6	50.0
Benzene	1.939	1.792	0.010	-7.6	50.0
1,2-Dichloroethane	0.303	0.314	0.010	3.7	50.0
Trichloroethene	0.513	0.487	0.010	-5.2	50.0
Methylcyclohexane	1.201	1.124	0.010	-6.4	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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 1828
Lab File ID: JAN05AC1 Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD####): VSTD005TJ Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.451	0.428	0.010	-5.2	50.0
Bromodichloromethane	0.452	0.447	0.010	-1.2	50.0
cis-1,3-Dichloropropene	0.539	0.531	0.010	-1.5	50.0
4-Methyl-2-pentanone	0.142	0.141	0.010	-0.5	50.0
Toluene	2.096	1.913	0.010	-8.7	50.0
trans-1,3-Dichloropropene	0.390	0.378	0.010	-3.0	50.0
1,1,2-Trichloroethane	0.164	0.157	0.010	-4.1	50.0
Tetrachloroethene	0.384	0.347	0.010	-9.5	50.0
2-Hexanone	0.090	0.092	0.010	2.4	50.0
Dibromochloromethane	0.205	0.193	0.010	-6.0	50.0
1,2-Dibromoethane	0.152	0.144	0.010	-5.1	50.0
Chlorobenzene	1.076	1.019	0.010	-5.3	50.0
Ethylbenzene	2.449	2.315	0.010	-5.5	50.0
o-Xylene	0.753	0.730	0.010	-3.0	50.0
m,p-Xylene	0.874	0.806	0.010	-7.8	50.0
Styrene	1.170	1.129	0.010	-3.5	50.0
Bromoform	0.223	0.223	0.010	-0.0	50.0
Isopropylbenzene	2.322	2.223	0.010	-4.3	50.0
1,1,2,2-Tetrachloroethane	0.143	0.133	0.010	-6.9	50.0
1,3-Dichlorobenzene	1.811	1.719	0.010	-5.1	50.0
1,4-Dichlorobenzene	1.733	1.634	0.010	-5.7	50.0
1,2-Dichlorobenzene	1.302	1.266	0.010	-2.8	50.0
1,2-Dibromo-3-chloropropane	0.057	0.049	0.010	-14.5	50.0
1,2,4-Trichlorobenzene	0.502	0.497	0.010	-1.0	50.0
1,2,3-Trichlorobenzene	0.322	0.316	0.010	-1.8	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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 1828
Lab File ID: JAN05AC1 Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005TJ Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

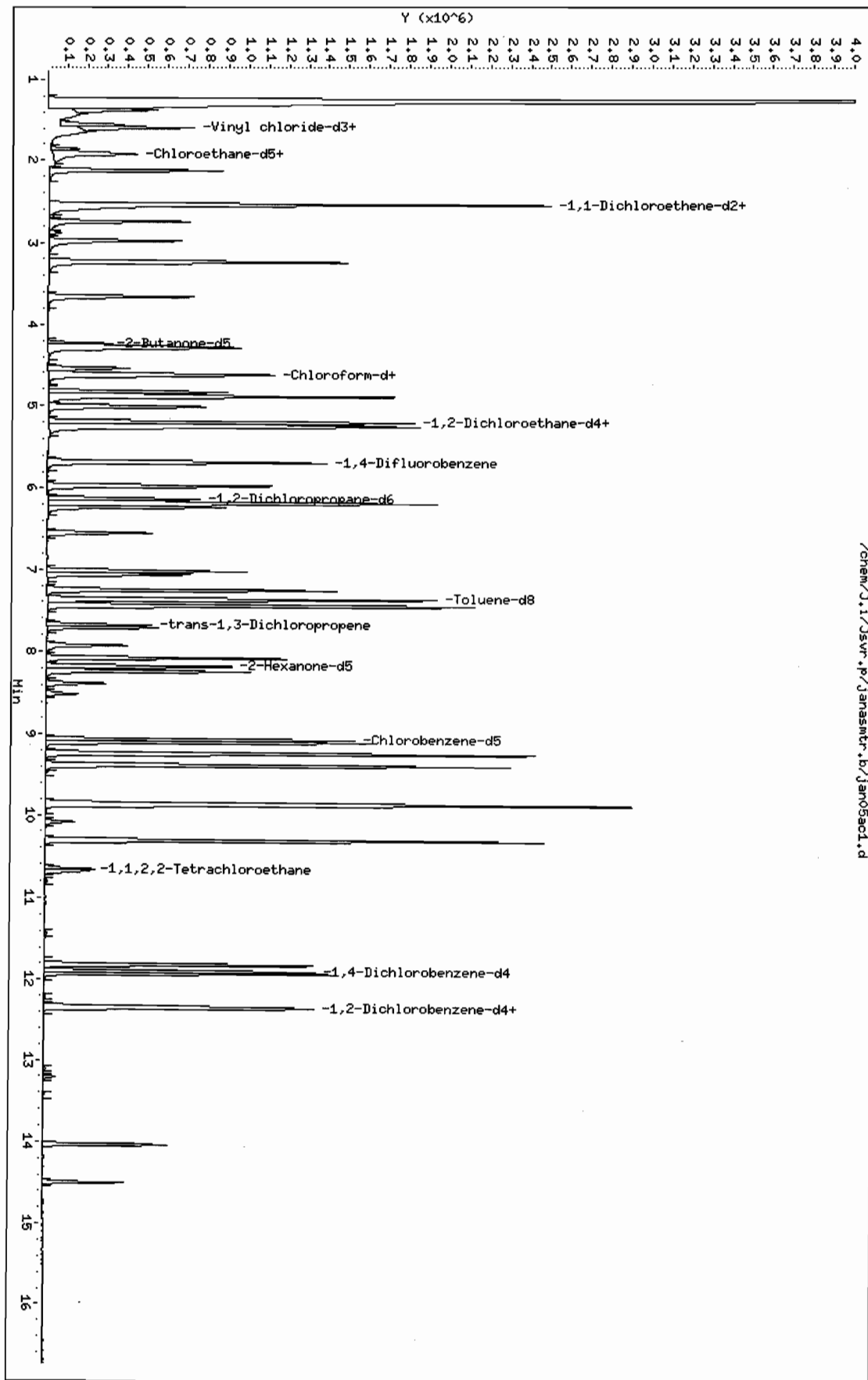
COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.448	0.422	0.010	-5.8	50.0
Chloroethane-d5	0.296	0.275	0.010	-7.1	50.0
1,1-Dichloroethene-d2	0.898	0.849	0.010	-5.4	50.0
2-Butanone-d5	0.042	0.041	0.010	-0.4	50.0
Chloroform-d	0.602	0.605	0.010	0.5	50.0
1,2-Dichloroethane-d4	0.225	0.232	0.010	3.1	50.0
Benzene-d6	1.899	1.740	0.010	-8.4	50.0
1,2-Dichloropropane-d6	0.468	0.447	0.010	-4.5	50.0
Toluene-d8	1.727	1.590	0.010	-7.9	50.0
trans-1,3-Dichloropropene-d4	0.362	0.358	0.010	-1.2	50.0
2-Hexanone-d5	0.041	0.041	0.010	-0.5	50.0
1,1,2,2-Tetrachloroethane-d2	0.147	0.140	0.010	-5.3	50.0
1,2-Dichlorobenzene-d4	0.813	0.780	0.010	-4.1	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jswr.p/janasmtr.b/jan05ac1.d
Date : 26-Mar-2010 18:28
Client ID: VSTD006TJ
Sample Info: JAN05AC1
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/janasmtr.b/jan05ac1.d
Report Date: 29-Mar-2010 14:32

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/jan05ac1.d
Lab Smp Id: VSTD005TJ Client Smp ID: VSTD005TJ
Inj Date : 26-MAR-2010 18:28
Operator : MTP Inst ID: J.i
Smp Info : JAN05AC1
Misc Info : VSTD005TJ,032610JT,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:32 jd1 Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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			RESPONSE	AMOUNTS	
	MASS	RT	EXP RT REL RT		CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.380	1.380 (0.243)	577668	5.00000	4.7
2 Chloromethane	50	1.557	1.544 (0.274)	765264	5.00000	4.7
\$ 3 Vinyl chloride-d3	65	1.593	1.599 (0.280)	486442	5.00000	4.7
4 Vinyl chloride	62	1.599	1.605 (0.281)	626855	5.00000	4.7
5 Bromomethane	94	1.855	1.861 (0.326)	215341	5.00000	4.9
\$ 6 Chloroethane-d5	69	1.909	1.909 (0.336)	316702	5.00000	4.6
7 Chloroethane	64	1.928	1.934 (0.339)	332326	5.00000	4.8
8 Trichlorofluoromethane	101	2.128	2.128 (0.375)	727760	5.00000	4.9
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542 (0.447)	979531	5.00000	4.7
10 1,1-Dichloroethene	96	2.554	2.554 (0.450)	329598	5.00000	4.6
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548 (0.449)	385065	5.00000	4.8
12 Acetone	43	2.597	2.597 (0.457)	245730	50.0000	47
13 Carbon disulfide	76	2.749	2.749 (0.484)	1046528	5.00000	4.9
14 Methyl acetate	43	2.883	2.883 (0.507)	85997	5.00000	5.3

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)	272606	5.00000	4.6	
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	386364	5.00000	4.8	
17 Methyl tert-butyl ether	73	3.229	3.236	(0.568)	471023	5.00000	5.1	
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	839319	5.00000	4.9	
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	478146	50.0000	50	
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	361736	5.00000	4.8	
21 2-Butanone	43	4.300	4.300	(0.757)	503847	50.0000	52	
22 Bromochloromethane	128	4.544	4.543	(0.800)	94785	5.00000	4.7	
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	697902	5.00000	5.0	
24 Chloroform	83	4.635	4.635	(0.816)	657320	5.00000	5.0	
25 1,1,1-Trichloroethane	97	4.829	4.836	(0.533)	687756	5.00000	4.7	
26 Cyclohexane	56	4.890	4.890	(0.540)	1194284	5.00000	4.5	
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	579139	5.00000	4.8	
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	267366	5.00000	5.2	
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1500382	5.00000	4.6	
30 Benzene	78	5.243	5.249	(0.578)	1545850	5.00000	4.6	
31 1,2-Dichloroethane	62	5.274	5.274	(0.928)	362213	5.00000	5.2	
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1153322	5.00000		
33 Trichloroethene	95	5.967	5.973	(0.658)	419744	5.00000	4.7	
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	385520	5.00000	4.8	
35 Methylcyclohexane	55	6.180	6.180	(0.682)	969446	5.00000	4.7	
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	368687	5.00000	4.7	
37 Bromodichloromethane	83	6.545	6.545	(0.722)	385271	5.00000	4.9	
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	458009	5.00000	4.9	
39 4-Methyl-2-pentanone	43	7.257	7.257	(0.801)	1219725	50.0000	50	
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	1370856	5.00000	4.6	
41 Toluene	91	7.445	7.445	(0.821)	1650029	5.00000	4.6	
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	308908	5.00000	4.9	
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	325828	5.00000	4.8	
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	135770	5.00000	4.8	
45 Tetrachloroethene	164	8.078	8.078	(0.891)	299399	5.00000	4.5	
\$ 46 2-Hexanone-d5	63	8.175	8.181	(0.902)	354923	50.0000	50	
47 2-Hexanone	43	8.236	8.236	(0.909)	797596	50.0000	51	
48 Dibromochloromethane	129	8.382	8.382	(0.925)	166433	5.00000	4.7	
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	124272	5.00000	4.7	
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	862409	5.00000		
51 Chlorobenzene	112	9.094	9.094	(1.003)	878503	5.00000	4.7	
52 Ethylbenzene	91	9.234	9.234	(1.019)	1996359	5.00000	4.7	
53 m,p-Xylene	106	9.380	9.380	(1.035)	694781	5.00000	4.6	
54 Styrene	104	9.873	9.873	(1.089)	973519	5.00000	4.8	
55 o-Xylene	106	9.854	9.854	(1.087)	629819	5.00000	4.9	
56 Bromoform	173	10.086	10.092	(0.848)	79099	5.00000	5.0	
57 Isopropylbenzene	105	10.305	10.311	(1.137)	1917107	5.00000	4.8	
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.651	10.657	(1.175)	120390	5.00000	4.7	
59 1,1,2,2-Tetrachloroethane	83	10.688	10.688	(1.179)	114867	5.00000	4.7	
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	609886	5.00000	4.7	
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	354855	5.00000		

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.929	11.929	(1.003)	579754	5.00000	4.7
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	276736	5.00000	4.8
64 1,2-Dichlorobenzene	146	12.361	12.361	(1.039)	449260	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	17297	5.00000	4.3
66 1,2,4-Trichlorobenzene	180	14.040	14.034	(1.180)	176303	5.00000	4.9
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	112075	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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 1933
Lab File ID: JAN005BV Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005JU Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.534	0.517	0.010	-3.2	40.0
Chloromethane	0.706	0.686	0.010	-2.8	40.0
Vinyl chloride	0.574	0.536	0.100	-6.8	30.0
Bromomethane	0.189	0.201	0.100	6.4	30.0
Chloroethane	0.299	0.279	0.010	-6.8	40.0
Trichlorofluoromethane	0.643	0.629	0.010	-2.3	40.0
1,1-Dichloroethene	0.308	0.288	0.100	-6.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.348	0.334	0.010	-3.9	40.0
Acetone	0.023	0.020	0.010	-11.1	40.0
Carbon disulfide	0.934	0.922	0.010	-1.3	40.0
Methyl acetate	0.070	0.070	0.010	-0.2	40.0
Methylene chloride	0.256	0.244	0.010	-4.9	40.0
trans-1,2-Dichloroethene	0.347	0.336	0.010	-3.3	40.0
Methyl tert-butyl ether	0.403	0.380	0.010	-5.8	40.0
1,1-Dichloroethane	0.744	0.726	0.200	-2.4	30.0
cis-1,2-Dichloroethene	0.326	0.318	0.010	-2.2	40.0
2-Butanone	0.042	0.038	0.010	-8.9	40.0
Bromochloromethane	0.087	0.079	0.050	-9.1	30.0
Chloroform	0.565	0.561	0.200	-0.7	30.0
1,1,1-Trichloroethane	0.853	0.797	0.100	-6.6	30.0
Cyclohexane	1.529	1.397	0.010	-8.7	40.0
Carbon tetrachloride	0.704	0.679	0.100	-3.5	30.0
Benzene	1.939	1.823	0.400	-6.0	30.0
1,2-Dichloroethane	0.303	0.313	0.100	3.2	30.0
Trichloroethene	0.513	0.491	0.300	-4.3	30.0
Methylcyclohexane	1.201	1.121	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.: 136458
Instrument ID: J.i Calibration Date: 03/26/2010 Time: 1933
Lab File ID: JAN005BV Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005JU Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.451	0.444	0.010	-1.6	40.0
Bromodichloromethane	0.452	0.443	0.200	-2.0	30.0
cis-1,3-Dichloropropene	0.539	0.515	0.200	-4.6	30.0
4-Methyl-2-pentanone	0.142	0.135	0.010	-5.0	40.0
Toluene	2.096	1.940	0.400	-7.5	30.0
trans-1,3-Dichloropropene	0.390	0.382	0.100	-2.0	30.0
1,1,2-Trichloroethane	0.164	0.155	0.100	-5.7	30.0
Tetrachloroethene	0.384	0.360	0.100	-6.2	30.0
2-Hexanone	0.090	0.086	0.010	-4.5	40.0
Dibromochloromethane	0.205	0.192	0.100	-6.3	30.0
1,2-Dibromoethane	0.152	0.139	0.010	-8.3	30.0
Chlorobenzene	1.076	1.017	0.500	-5.5	30.0
Ethylbenzene	2.449	2.322	0.100	-5.2	30.0
o-Xylene	0.753	0.747	0.300	-0.7	30.0
m,p-Xylene	0.874	0.815	0.300	-6.7	30.0
Styrene	1.170	1.121	0.300	-4.2	30.0
Bromoform	0.223	0.198	0.050	-11.4	30.0
Isopropylbenzene	2.322	2.235	0.010	-3.7	40.0
1,1,2,2-Tetrachloroethane	0.143	0.141	0.100	-1.5	30.0
1,3-Dichlorobenzene	1.811	1.728	0.400	-4.6	30.0
1,4-Dichlorobenzene	1.733	1.636	0.400	-5.6	30.0
1,2-Dichlorobenzene	1.302	1.275	0.400	-2.1	30.0
1,2-Dibromo-3-chloropropane	0.057	0.045	0.010	-20.4	40.0
1,2,4-Trichlorobenzene	0.502	0.492	0.200	-2.0	30.0
1,2,3-Trichlorobenzene	0.322	0.296	0.200	-8.0	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.: 136458
 Instrument ID: J.i Calibration Date: 03/26/2010 Time: 1933
 Lab File ID: JAN005BV Init. Calib. Date(s): 03/25/2010 03/25/2010
 EPA Sample No.(VSTD#####): VSTD005JU Init. Calib. Time(s): 1946 2137
 Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
 Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.448	0.406	0.010	-9.2	30.0
Chloroethane-d5	0.296	0.283	0.010	-4.4	40.0
1,1-Dichloroethene-d2	0.898	0.865	0.010	-3.7	30.0
2-Butanone-d5	0.042	0.039	0.010	-6.0	40.0
Chloroform-d	0.602	0.598	0.010	-0.6	30.0
1,2-Dichloroethane-d4	0.225	0.222	0.010	-1.2	30.0
Benzene-d6	1.899	1.746	0.400	-8.1	30.0
1,2-Dichloropropane-d6	0.468	0.446	0.010	-4.6	40.0
Toluene-d8	1.727	1.576	0.010	-8.7	30.0
trans-1,3-Dichloropropene-d4	0.362	0.347	0.010	-4.1	30.0
2-Hexanone-d5	0.041	0.038	0.010	-8.3	40.0
1,1,2,2-Tetrachloroethane-d2	0.147	0.138	0.010	-6.3	30.0
1,2-Dichlorobenzene-d4	0.813	0.759	0.010	-6.6	30.0

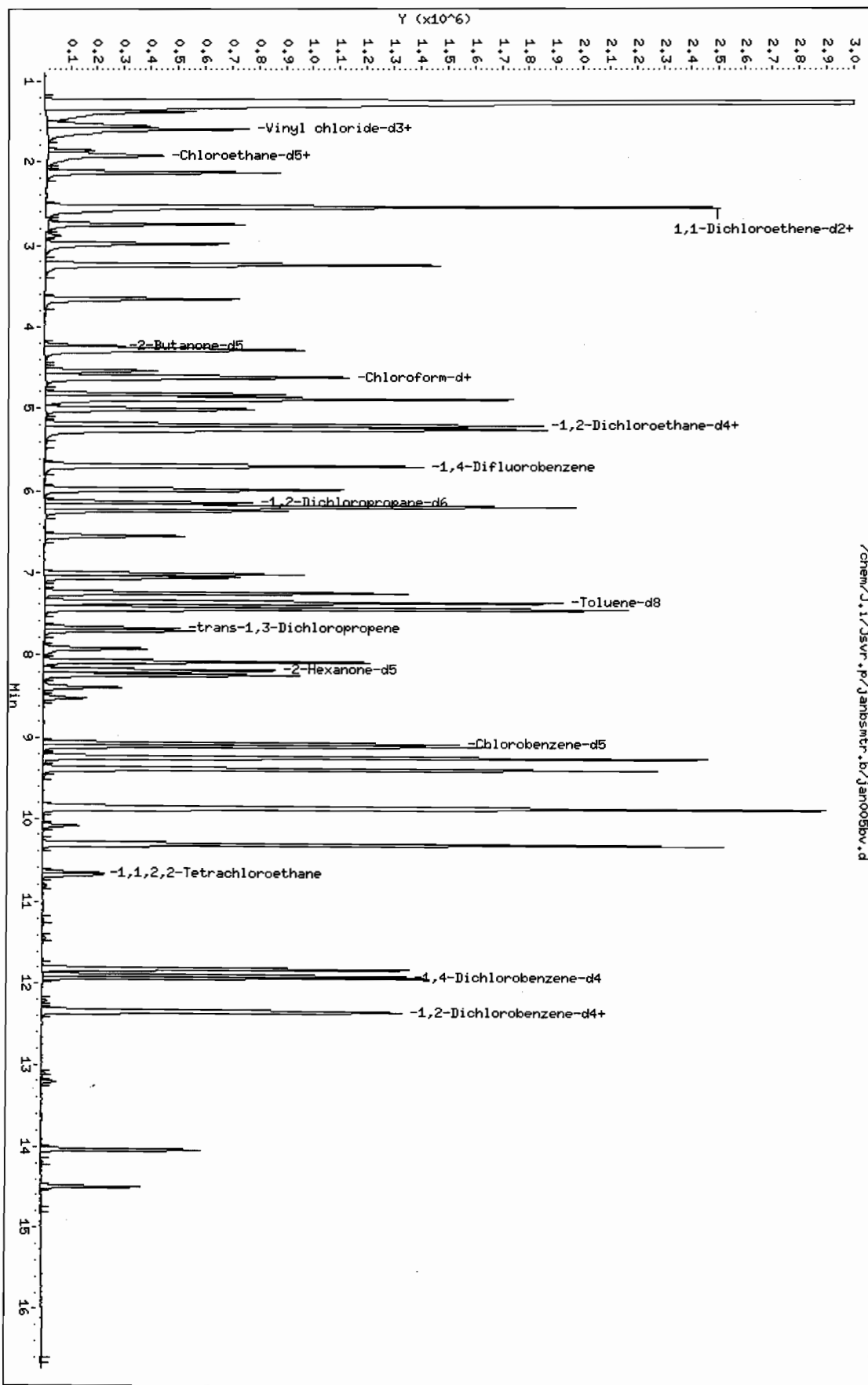
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.1/Jsvr.p/janbsmr.b/jan005bv.d
Date : 26-MAR-2010 19:33
Client ID: VST1005JU
Sample Info: JAN005BV
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.1
Operator: JPI
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janbsmtr.b/jan005bv.d
Lab Smp Id: VSTD005JU Client Smp ID: VSTD005JU
Inj Date : 26-MAR-2010 19:33
Operator : JP1 Inst ID: J.i
Smp Info : JAN005BV
Misc Info : VSTD005JU,032610JU,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janbsmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:34 jd1 Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	603601	5.00000	4.8
2 Chloromethane	50	1.550	1.544	(0.273)	800832	5.00000	4.9
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	474232	5.00000	4.5
4 Vinyl chloride	62	1.599	1.605	(0.281)	624803	5.00000	4.7
5 Bromomethane	94	1.855	1.861	(0.326)	235045	5.00000	5.3
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	330017	5.00000	4.8
7 Chloroethane	64	1.928	1.934	(0.339)	325320	5.00000	4.7
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	733429	5.00000	4.9
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	1008942	5.00000	4.8
10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	336513	5.00000	4.7
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	390106	5.00000	4.8
12 Acetone	43	2.597	2.597	(0.457)	236928	50.0000	44
13 Carbon disulfide	76	2.749	2.749	(0.484)	1075526	5.00000	4.9
14 Methyl acetate	43	2.883	2.883	(0.507)	81346	5.00000	5.0

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ug/L)	ON-COL (ug/L)
15 Methylene chloride	84	2.980	2.980	(0.525)	284177	5.00000	4.8
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	391754	5.00000	4.8
17 Methyl tert-butyl ether	73	3.230	3.236	(0.568)	443215	5.00000	4.7
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	846853	5.00000	4.9
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	456660	50.0000	47
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	371506	5.00000	4.9
21 2-Butanone	43	4.300	4.300	(0.757)	446407	50.0000	46
22 Bromochloromethane	128	4.544	4.543	(0.800)	92605	5.00000	4.5 (Q)
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	698184	5.00000	5.0
24 Chloroform	83	4.635	4.635	(0.816)	654116	5.00000	5.0
25 1,1,1-Trichloroethane	97	4.830	4.836	(0.533)	686216	5.00000	4.7
26 Cyclohexane	56	4.884	4.890	(0.539)	1202875	5.00000	4.6
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	584979	5.00000	4.8
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	259226	5.00000	4.9
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1503111	5.00000	4.6
30 Benzene	78	5.243	5.249	(0.578)	1569650	5.00000	4.7
31 1,2-Dichloroethane	62	5.274	5.274	(0.928)	364656	5.00000	5.2
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1166749	5.00000	
33 Trichloroethene	95	5.967	5.973	(0.658)	422843	5.00000	4.8
\$ 34 1,2-Dichloropropane-d6	67	6.131	6.131	(0.676)	384362	5.00000	4.8
35 Methylcyclohexane	55	6.180	6.180	(0.682)	965105	5.00000	4.7
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	381929	5.00000	4.9
37 Bromodichloromethane	83	6.545	6.545	(0.722)	381512	5.00000	4.9
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	443070	5.00000	4.8
39 4-Methyl-2-pentanone	43	7.251	7.257	(0.800)	1163331	50.0000	48
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	1357454	5.00000	4.6
41 Toluene	91	7.445	7.445	(0.821)	1670528	5.00000	4.6
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	299171	5.00000	4.8
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	328893	5.00000	4.9
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	133361	5.00000	4.7
45 Tetrachloroethene	164	8.078	8.078	(0.891)	309979	5.00000	4.7
\$ 46 2-Hexanone-d5	63	8.175	8.181	(0.902)	326713	50.0000	46
47 2-Hexanone	43	8.236	8.236	(0.909)	742510	50.0000	48
48 Dibromochloromethane	129	8.382	8.382	(0.925)	165639	5.00000	4.7
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	119923	5.00000	4.6
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	861120	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	875560	5.00000	4.7
52 Ethylbenzene	91	9.234	9.234	(1.019)	1999690	5.00000	4.7
53 m,p-Xylene	106	9.380	9.380	(1.035)	701636	5.00000	4.7
54 Styrene	104	9.873	9.873	(1.089)	964971	5.00000	4.8
55 o-Xylene	106	9.855	9.854	(1.087)	643269	5.00000	5.0
56 Bromoform	173	10.086	10.092	(0.848)	70170	5.00000	4.4
57 Isopropylbenzene	105	10.305	10.311	(1.137)	1924908	5.00000	4.8
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.651	10.657	(1.175)	118959	5.00000	4.7
59 1,1,2,2-Tetrachloroethane	83	10.682	10.688	(1.179)	121364	5.00000	4.9
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	613907	5.00000	4.8
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	355176	5.00000	

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	11.923	11.929	(1.002)	580998	5.00000	4.7
\$ 63 1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	269636	5.00000	4.7
64 1,2-Dichlorobenzene	146	12.355	12.361	(1.038)	452811	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	13.213	13.213	(1.110)	16102	5.00000	4.0
66 1,2,4-Trichlorobenzene	180	14.034	14.034	(1.179)	174692	5.00000	4.9
67 1,2,3-Trichlorobenzene	180	14.496	14.496	(1.218)	105108	5.00000	4.6

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.: 136458
Instrument ID: J.i Calibration Date: 03/27/2010 Time: 0259
Lab File ID: JAN05BC1 Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005UJ Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.534	0.507	0.010	-5.2	50.0
Chloromethane	0.706	0.718	0.010	1.7	50.0
Vinyl chloride	0.574	0.539	0.010	-6.1	50.0
Bromomethane	0.189	0.183	0.010	-3.4	50.0
Chloroethane	0.299	0.287	0.010	-4.2	50.0
Trichlorofluoromethane	0.643	0.647	0.010	0.6	50.0
1,1-Dichloroethene	0.308	0.288	0.010	-6.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.348	0.326	0.010	-6.4	50.0
Acetone	0.023	0.021	0.010	-9.8	50.0
Carbon disulfide	0.934	0.920	0.010	-1.5	50.0
Methyl acetate	0.070	0.074	0.010	6.1	50.0
Methylene chloride	0.256	0.251	0.010	-1.9	50.0
trans-1,2-Dichloroethene	0.347	0.332	0.010	-4.3	50.0
Methyl tert-butyl ether	0.403	0.430	0.010	6.5	50.0
1,1-Dichloroethane	0.744	0.750	0.010	0.9	50.0
cis-1,2-Dichloroethene	0.326	0.325	0.010	-0.3	50.0
2-Butanone	0.042	0.044	0.010	3.7	50.0
Bromochloromethane	0.087	0.086	0.010	-1.9	50.0
Chloroform	0.565	0.578	0.010	2.3	50.0
1,1,1-Trichloroethane	0.853	0.782	0.010	-8.3	50.0
Cyclohexane	1.529	1.355	0.010	-11.4	50.0
Carbon tetrachloride	0.704	0.663	0.010	-5.9	50.0
Benzene	1.939	1.748	0.010	-9.9	50.0
1,2-Dichloroethane	0.303	0.320	0.010	5.8	50.0
Trichloroethene	0.513	0.455	0.010	-11.3	50.0
Methylcyclohexane	1.201	1.103	0.010	-8.2	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.: 136458
Instrument ID: J.i Calibration Date: 03/27/2010 Time: 0259
Lab File ID: JAN05BC1 Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No. (VSTD####): VSTD005UJ Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.451	0.424	0.010	-5.9	50.0
Bromodichloromethane	0.452	0.436	0.010	-3.5	50.0
cis-1,3-Dichloropropene	0.539	0.504	0.010	-6.5	50.0
4-Methyl-2-pentanone	0.142	0.142	0.010	-0.4	50.0
Toluene	2.096	1.876	0.010	-10.5	50.0
trans-1,3-Dichloropropene	0.390	0.373	0.010	-4.3	50.0
1,1,2-Trichloroethane	0.164	0.150	0.010	-8.5	50.0
Tetrachloroethene	0.384	0.339	0.010	-11.7	50.0
2-Hexanone	0.090	0.091	0.010	0.5	50.0
Dibromochloromethane	0.205	0.198	0.010	-3.5	50.0
1,2-Dibromoethane	0.152	0.143	0.010	-5.8	50.0
Chlorobenzene	1.076	1.005	0.010	-6.6	50.0
Ethylbenzene	2.449	2.244	0.010	-8.4	50.0
o-Xylene	0.753	0.736	0.010	-2.2	50.0
m,p-Xylene	0.874	0.807	0.010	-7.6	50.0
Styrene	1.170	1.121	0.010	-4.2	50.0
Bromoform	0.223	0.217	0.010	-2.6	50.0
Isopropylbenzene	2.322	2.162	0.010	-6.9	50.0
1,1,2,2-Tetrachloroethane	0.143	0.150	0.010	5.1	50.0
1,3-Dichlorobenzene	1.811	1.732	0.010	-4.4	50.0
1,4-Dichlorobenzene	1.733	1.649	0.010	-4.9	50.0
1,2-Dichlorobenzene	1.302	1.290	0.010	-0.9	50.0
1,2-Dibromo-3-chloropropane	0.057	0.048	0.010	-16.2	50.0
1,2,4-Trichlorobenzene	0.502	0.535	0.010	6.5	50.0
1,2,3-Trichlorobenzene	0.322	0.325	0.010	1.0	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.: 136458
Instrument ID: J.i Calibration Date: 03/27/2010 Time: 0259
Lab File ID: JAN05BC1 Init. Calib. Date(s): 03/25/2010 03/25/2010
EPA Sample No.(VSTD#####): VSTD005UJ Init. Calib. Time(s): 1946 2137
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.448	0.406	0.010	-9.4	50.0
Chloroethane-d5	0.296	0.273	0.010	-7.7	50.0
1,1-Dichloroethene-d2	0.898	0.872	0.010	-2.8	50.0
2-Butanone-d5	0.042	0.042	0.010	0.8	50.0
Chloroform-d	0.602	0.607	0.010	0.8	50.0
1,2-Dichloroethane-d4	0.225	0.240	0.010	6.8	50.0
Benzene-d6	1.899	1.705	0.010	-10.2	50.0
1,2-Dichloropropane-d6	0.468	0.429	0.010	-8.4	50.0
Toluene-d8	1.727	1.541	0.010	-10.7	50.0
trans-1,3-Dichloropropene-d4	0.362	0.351	0.010	-3.1	50.0
2-Hexanone-d5	0.041	0.039	0.010	-5.0	50.0
1,1,2,2-Tetrachloroethane-d2	0.147	0.141	0.010	-4.3	50.0
1,2-Dichlorobenzene-d4	0.813	0.800	0.010	-1.6	50.0

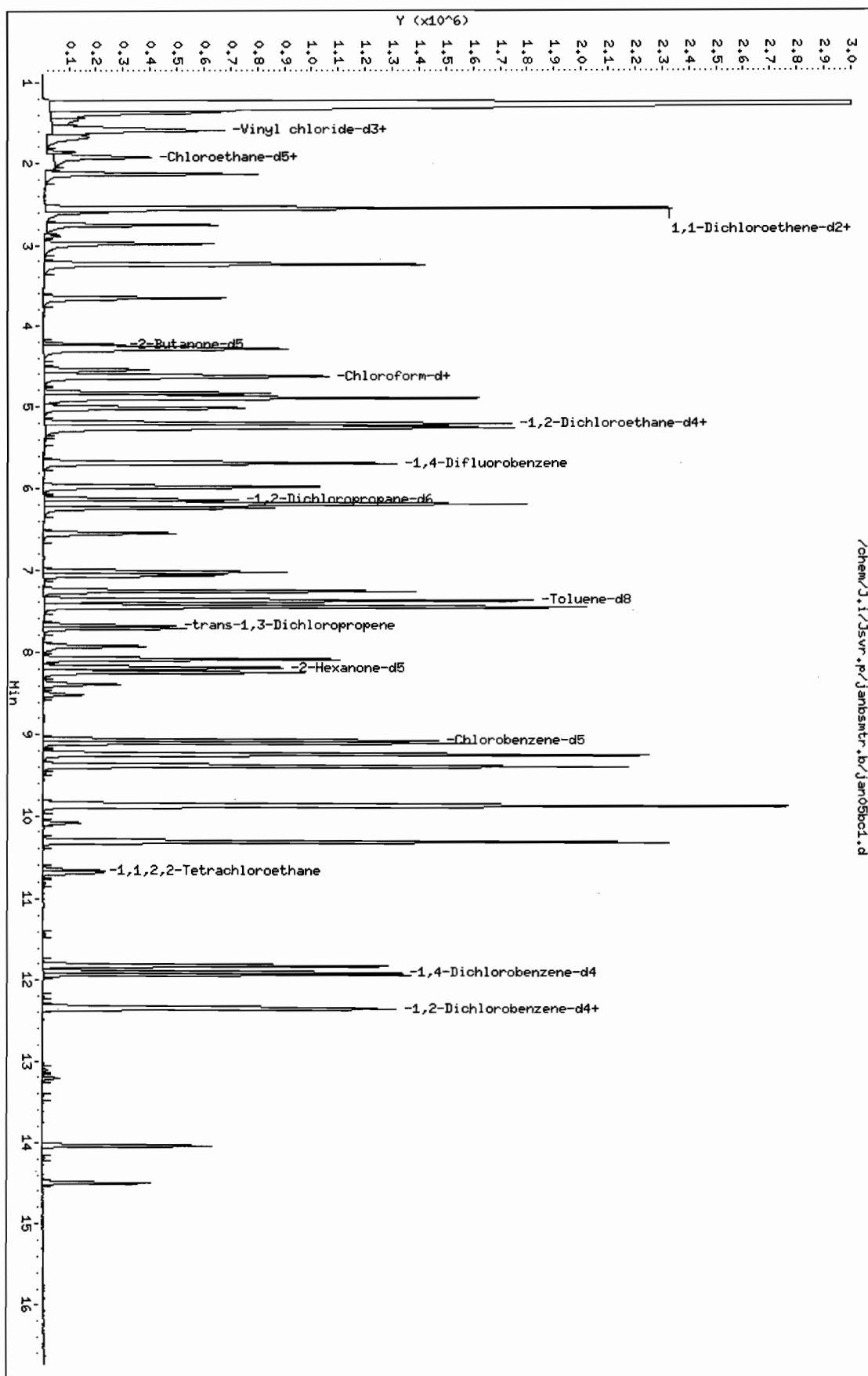
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/janbsmr.b/jan05b01.d
Date : 27-Mar-2010 02:59
Client ID: VSTD005UJ
Sample Info: JAN05B01
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JPL
Column diameter: 0.53

Page 4



Data File: /chem/J.i/Jsvr.p/janbsmtr.b/jan05bc1.d
Report Date: 29-Mar-2010 14:34

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janbsmtr.b/jan05bc1.d
Lab Smp Id: VSTD005UJ Client Smp ID: VSTD005UJ
Inj Date : 27-MAR-2010 02:59
Operator : JP1 Inst ID: J.i
Smp Info : JAN05BC1
Misc Info : VSTD005UJ,032610JU,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janbsmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:34 jd1 Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 13 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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	545290	5.00000	4.7 (M)
2 Chloromethane	50	1.569	1.544	(0.276)	772863	5.00000	5.1
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	436476	5.00000	4.5 (M)
4 Vinyl chloride	62	1.599	1.605	(0.281)	580421	5.00000	4.7 (M)
5 Bromomethane	94	1.855	1.861	(0.326)	196752	5.00000	4.8 (M)
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	293770	5.00000	4.6
7 Chloroethane	64	1.928	1.934	(0.339)	308687	5.00000	4.8
8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	696483	5.00000	5.0
\$ 9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.447)	938794	5.00000	4.9
10 1,1-Dichloroethene	96	2.548	2.554	(0.449)	309878	5.00000	4.7
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	350276	5.00000	4.7
12 Acetone	43	2.597	2.597	(0.457)	221741	50.0000	45
13 Carbon disulfide	76	2.749	2.749	(0.484)	989731	5.00000	4.9
14 Methyl acetate	43	2.883	2.883	(0.507)	79722	5.00000	5.3

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
15 Methylene chloride	84	2.980	2.980	(0.525)	270346	5.00000	4.9
16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	357575	5.00000	4.8
17 Methyl tert-butyl ether	73	3.229	3.236	(0.568)	462458	5.00000	5.3
18 1,1-Dichloroethane	63	3.655	3.655	(0.643)	807501	5.00000	5.0
\$ 19 2-Butanone-d5	46	4.233	4.233	(0.745)	451677	50.0000	50
20 cis-1,2-Dichloroethene	96	4.282	4.282	(0.754)	349234	5.00000	5.0
21 2-Butanone	43	4.300	4.300	(0.757)	468787	50.0000	52
22 Bromochloromethane	128	4.544	4.543	(0.800)	92231	5.00000	4.9
\$ 23 Chloroform-d	84	4.610	4.617	(0.812)	653409	5.00000	5.0
24 Chloroform	83	4.635	4.635	(0.816)	621529	5.00000	5.1
25 1,1,1-Trichloroethane	97	4.829	4.836	(0.533)	647304	5.00000	4.6
26 Cyclohexane	56	4.890	4.890	(0.540)	1121510	5.00000	4.4
27 Carbon tetrachloride	117	5.012	5.012	(0.553)	548597	5.00000	4.7
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	258349	5.00000	5.3
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1411647	5.00000	4.5
30 Benzene	78	5.249	5.249	(0.579)	1446909	5.00000	4.5
31 1,2-Dichloroethane	62	5.274	5.274	(0.928)	344728	5.00000	5.3
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	1076109	5.00000	
33 Trichloroethene	95	5.967	5.973	(0.658)	377025	5.00000	4.4
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	355135	5.00000	4.6
35 Methylcyclohexane	55	6.180	6.180	(0.682)	913130	5.00000	4.6
36 1,2-Dichloropropane	63	6.229	6.229	(0.687)	351012	5.00000	4.7
37 Bromodichloromethane	83	6.545	6.545	(0.722)	361263	5.00000	4.8
38 cis-1,3-Dichloropropene	75	7.062	7.062	(0.779)	417626	5.00000	4.7
39 4-Methyl-2-pentanone	43	7.257	7.257	(0.801)	1172088	50.0000	50
\$ 40 Toluene-d8	98	7.366	7.366	(0.813)	1276037	5.00000	4.5
41 Toluene	91	7.445	7.445	(0.821)	1553333	5.00000	4.5
\$ 42 trans-1,3-Dichloropropene-d4	79	7.683	7.683	(0.848)	290898	5.00000	4.8
43 trans-1,3-Dichloropropene	75	7.713	7.713	(0.851)	308545	5.00000	4.8
44 1,1,2-Trichloroethane	97	7.926	7.926	(0.874)	124409	5.00000	4.6
45 Tetrachloroethene	164	8.078	8.078	(0.891)	280553	5.00000	4.4
\$ 46 2-Hexanone-d5	63	8.181	8.181	(0.903)	325208	50.0000	47
47 2-Hexanone	43	8.236	8.236	(0.909)	751329	50.0000	50
48 Dibromochloromethane	129	8.382	8.382	(0.925)	164053	5.00000	4.8
49 1,2-Dibromoethane	107	8.510	8.510	(0.939)	118465	5.00000	4.7
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	827949	5.00000	
51 Chlorobenzene	112	9.094	9.094	(1.003)	832283	5.00000	4.7
52 Ethylbenzene	91	9.234	9.234	(1.019)	1857585	5.00000	4.6
53 m,p-Xylene	106	9.380	9.380	(1.035)	668538	5.00000	4.6
54 Styrene	104	9.873	9.873	(1.089)	927878	5.00000	4.8
55 o-Xylene	106	9.854	9.854	(1.087)	609354	5.00000	4.9
56 Bromoform	173	10.086	10.092	(0.848)	74097	5.00000	4.9
57 Isopropylbenzene	105	10.305	10.311	(1.137)	1790392	5.00000	4.7
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.651	10.657	(1.175)	116791	5.00000	4.8
59 1,1,2,2-Tetrachloroethane	83	10.682	10.688	(1.179)	124475	5.00000	5.3
60 1,3-Dichlorobenzene	146	11.813	11.813	(0.993)	591122	5.00000	4.8
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	341248	5.00000	

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/L)	ON-COL (ug/L)
=====	----	==	=====	=====		=====	=====	=====
62 1,4-Dichlorobenzene	146		11.929	11.929	(1.003)	562583	5.00000	4.8
\$ 63 1,2-Dichlorobenzene-d4	152		12.337	12.337	(1.037)	273061	5.00000	4.9
64 1,2-Dichlorobenzene	146		12.355	12.361	(1.038)	440291	5.00000	5.0
65 1,2-Dibromo-3-chloropropane	75		13.213	13.213	(1.110)	16292	5.00000	4.2
66 1,2,4-Trichlorobenzene	180		14.040	14.034	(1.180)	182475	5.00000	5.3
67 1,2,3-Trichlorobenzene	180		14.496	14.496	(1.218)	110880	5.00000	5.0

QC Flag Legend

M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

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Inj. Date and Time: 27-MAR-2010 02:59

Target Version: Target 3.50

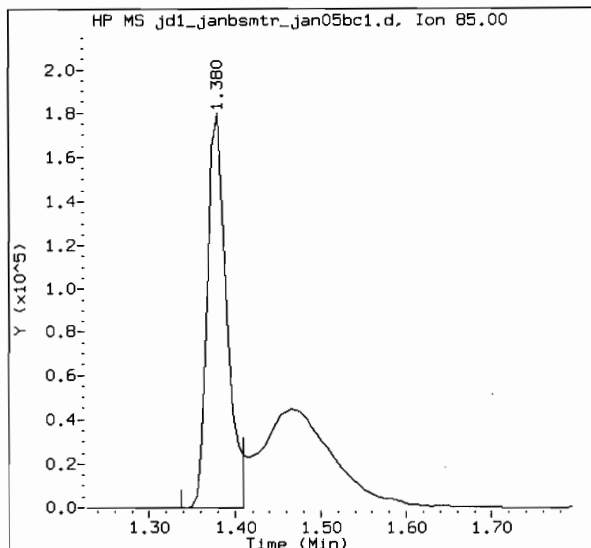
Client Sample ID: VSTD005UJ

Instrument ID: J.i

Report Version: 1.1

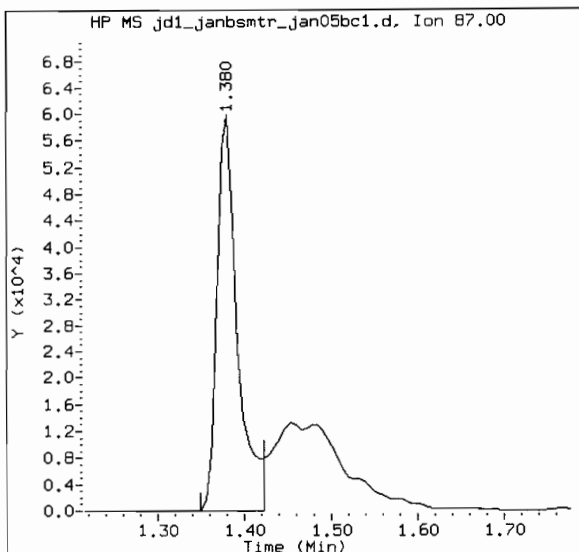
Compound Name: Dichlorodifluoromethane CAS #: 75-71-8

Report Date: 03/29/2010 14:34

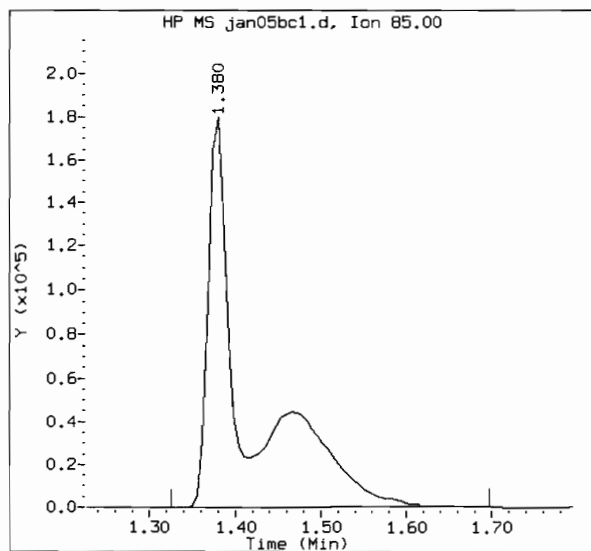


Original Integrations:

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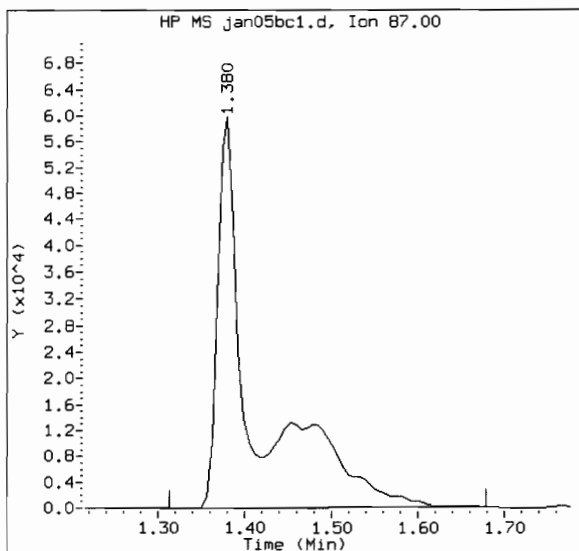
Area = 100388



Final Integrations:

Area = 545290

Manual Integration Reason: MI1 - Poor automated baseline



Area = 174494

MANUAL INTEGRATION REPORT

Data File Name: jan05bc1.d

Inj. Date and Time: 27-MAR-2010 02:59

Target Version: Target 3.50

Client Sample ID: VSTD005UJ

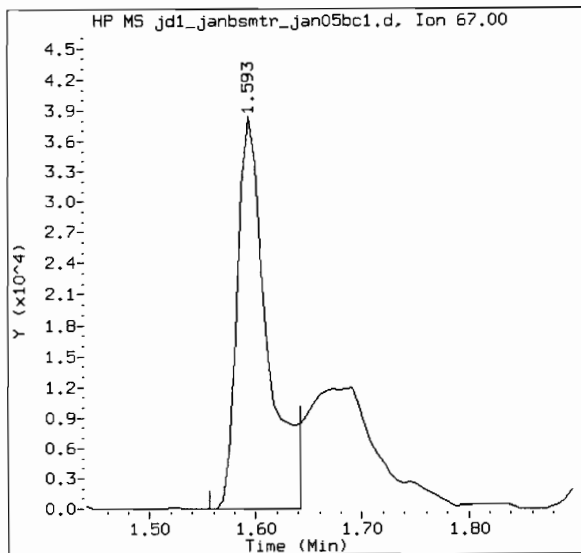
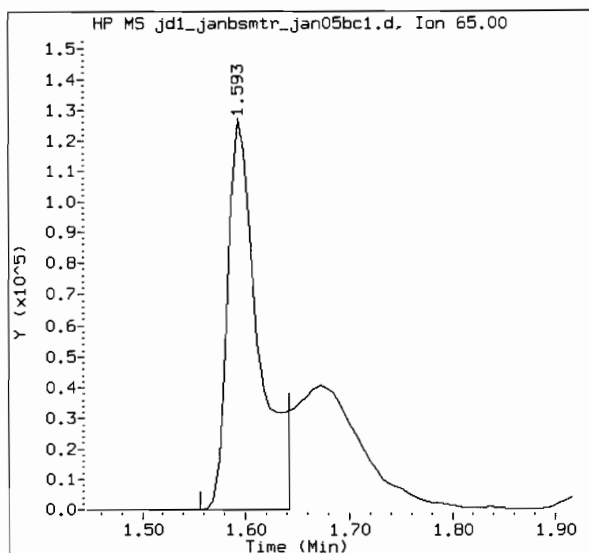
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

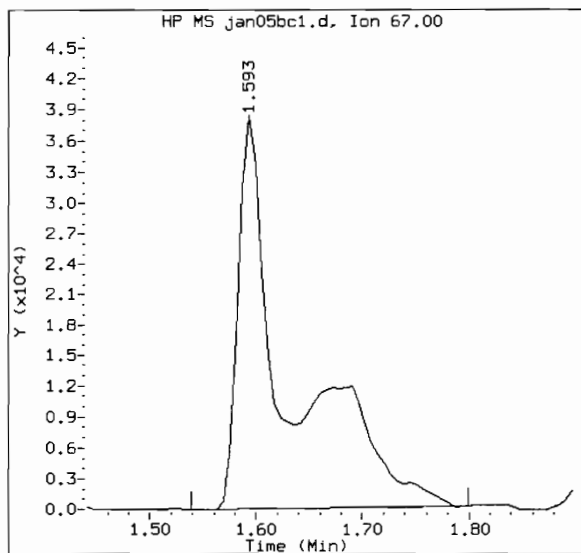
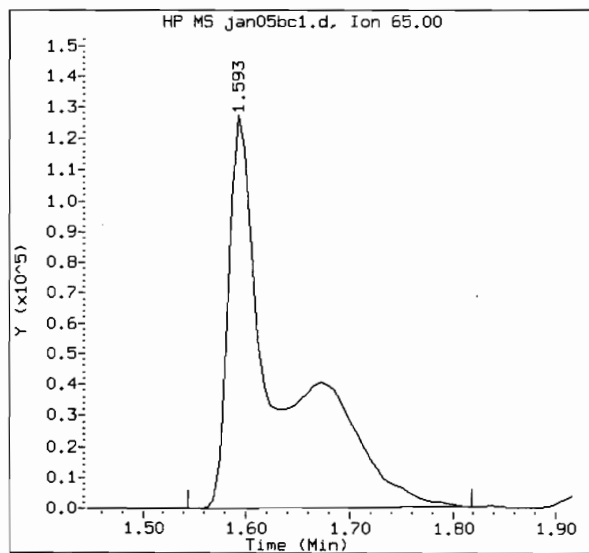
Report Date: 03/29/2010 14:34



Original Integrations:

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Area = 76410



Final Integrations:

Area = 436476

Area = 126927

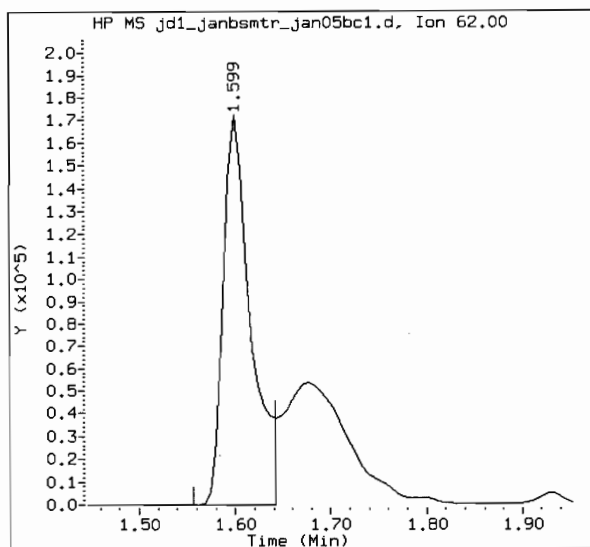
Manual Integration Reason: M11 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: jan05bc1.d
 Client Sample ID: VSTD005UJ
 Compound Name: Vinyl chloride

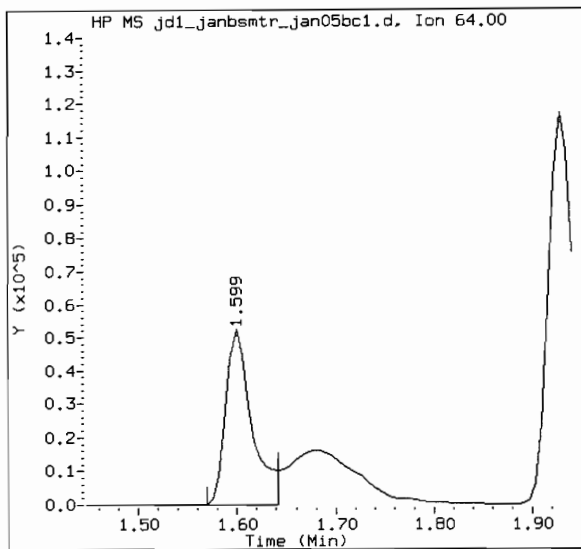
Inj. Date and Time: 27-MAR-2010 02:59
 Instrument ID: J.i
 CAS #: 75-01-4

Target Version: Target 3.50
 Report Version: 1.1
 Report Date: 03/29/2010 14:34

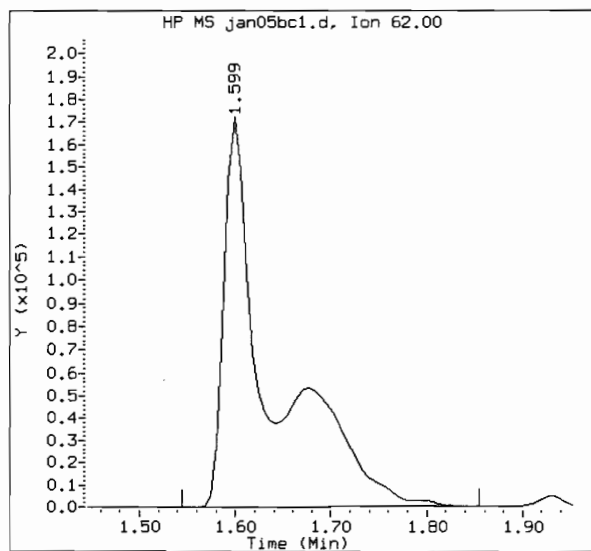


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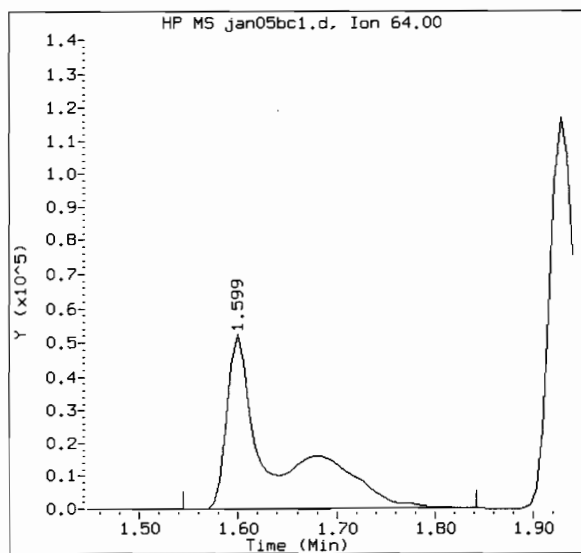


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Final Integrations:

Area = 580421



Area = 174072

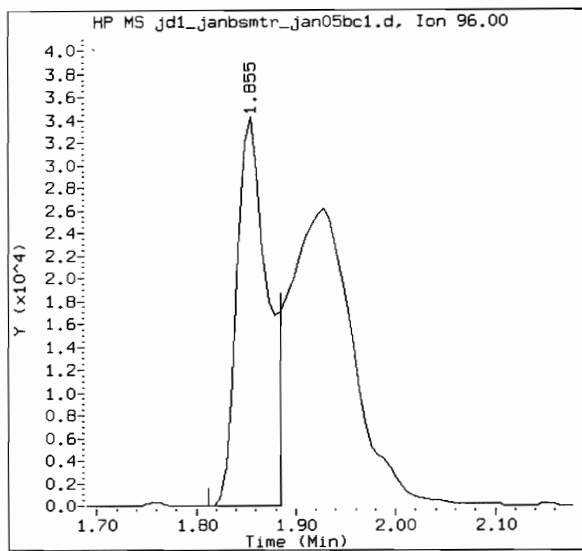
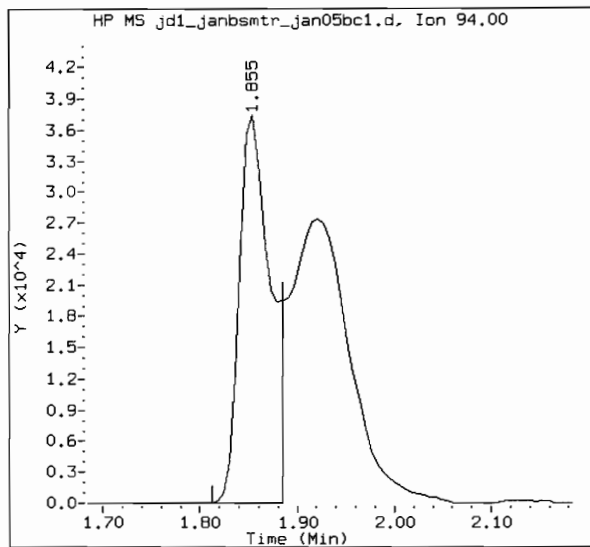
Manual Integration Reason: M11 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: jan05bc1.d
Client Sample ID: VSTD0050J
Compound Name: Bromomethane

Inj. Date and Time: 27-MAR-2010 02:59
Instrument ID: J.i
CAS #: 74-83-9

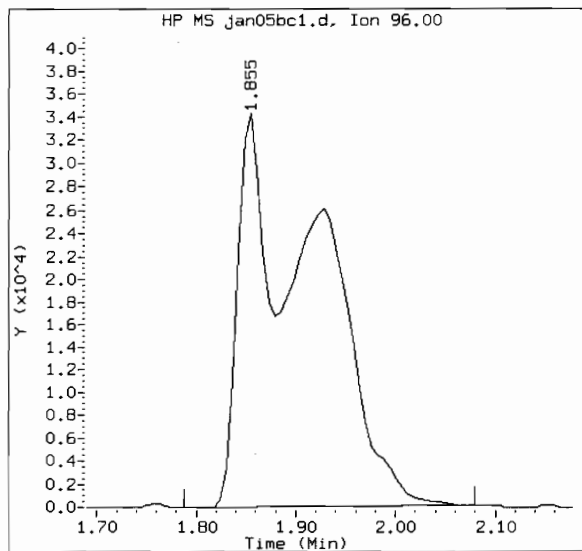
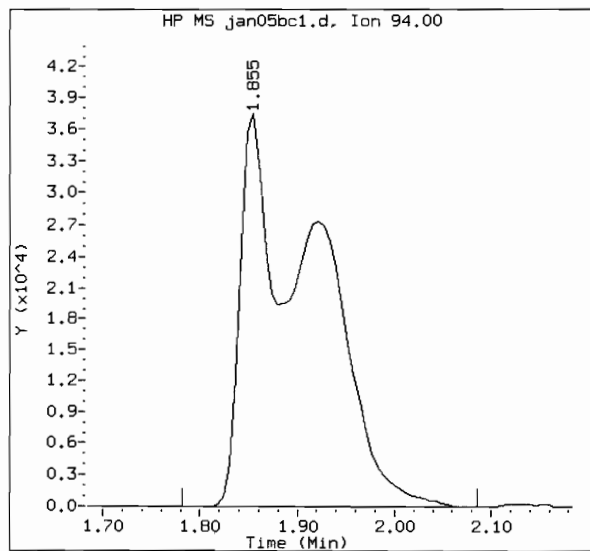
Target Version: Target 3.50
Report Version: 1.1
Report Date: 03/29/2010 14:34



Original Integrations:

Area = 84598

Area = 75770



Final Integrations:

Area = 196752

Area = 185239

Manual Integration Reason: MI1 - Poor automated baseline



Raw QC Data – SOM01.2 Volatiles – Trace

Data File: /chem/J.i/Jsvr.p/jansmtr.b/jan05pv.d

Page 2

Date : 25-MAR-2010 17:47

Client ID: BFBJS

Instrument: J.i

Sample Info: BFBJS

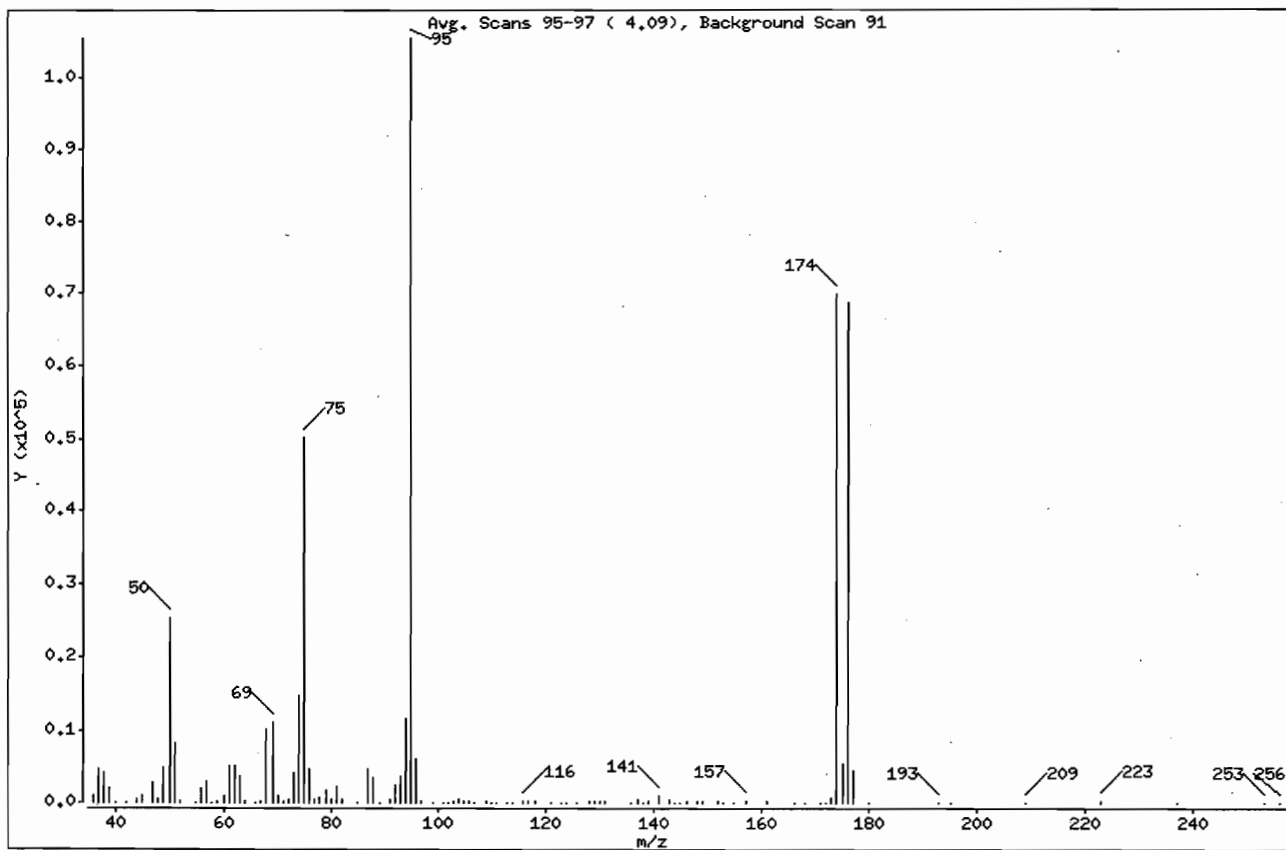
Volume Injected (uL): 2.0

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	24.11
75	30.00 - 80.00% of mass 95	47.64
96	5.00 - 9.00% of mass 95	5.78
173	Less than 2.00% of mass 174	0.64 (0.96)
174	50.00 - 120.00% of mass 95	66.29
175	5.00 - 9.00% of mass 174	4.96 (7.48)
176	95.00 - 101.00% of mass 174	65.10 (98.22)
177	5.00 - 9.00% of mass 176	4.11 (6.32)

Data File: /chem/J.i/Jsvr.p/jansmtr.b/jan05pv.d

Page 3

Date : 25-MAR-2010 17:47

Client ID: BFBJS

Instrument: J.i

Sample Info: BFBJS

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: jan05pv.d

Spectrum: Avg. Scans 95-97 (4.09), Background Scan 91

Location of Maximum: 95.00

Number of points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1076	70.00	1014	104.00	416	146.00	178
37.00	4654	71.00	131	105.00	197	148.00	243
38.00	4108	72.00	448	106.00	220	149.00	125
39.00	1914	73.00	4130	107.00	120	152.00	159
40.00	21	74.00	14837	109.00	155	153.00	90
42.00	50	75.00	50184	110.00	69	155.00	79
44.00	587	76.00	4606	111.00	72	157.00	363
45.00	886	77.00	539	113.00	78	161.00	141
47.00	2678	78.00	815	114.00	119	166.00	82
48.00	567	79.00	1803	116.00	349	168.00	54
49.00	4857	80.00	469	117.00	317	171.00	57
50.00	25400	81.00	2077	118.00	302	172.00	90
51.00	8142	82.00	537	121.00	76	173.00	670
52.00	301	85.00	72	123.00	119	174.00	69824
55.00	41	87.00	4481	124.00	52	175.00	5224
56.00	1946	88.00	3276	126.00	67	176.00	68576
57.00	3025	89.00	52	128.00	232	177.00	4332
58.00	101	91.00	387	129.00	173	180.00	61
59.00	137	92.00	2463	130.00	217	193.00	92
60.00	964	93.00	3750	131.00	276	195.00	86
61.00	5123	94.00	11669	136.00	60	209.00	96
62.00	5058	95.00	105336	137.00	367	223.00	138
63.00	3553	96.00	6085	138.00	61	237.00	108
64.00	292	97.00	245	139.00	209	253.00	62
66.00	74	99.00	52	141.00	849	256.00	51
67.00	331	101.00	64	143.00	386		
68.00	10289	102.00	50	144.00	50		
69.00	11201	103.00	158	145.00	72		

Data File: /chem/J.i/Jsvr.p/jansmtr.b/jan05pv.d

Page 1

Date : 25-MAR-2010 17:47

Client ID: BFBJS

Instrument: J.i

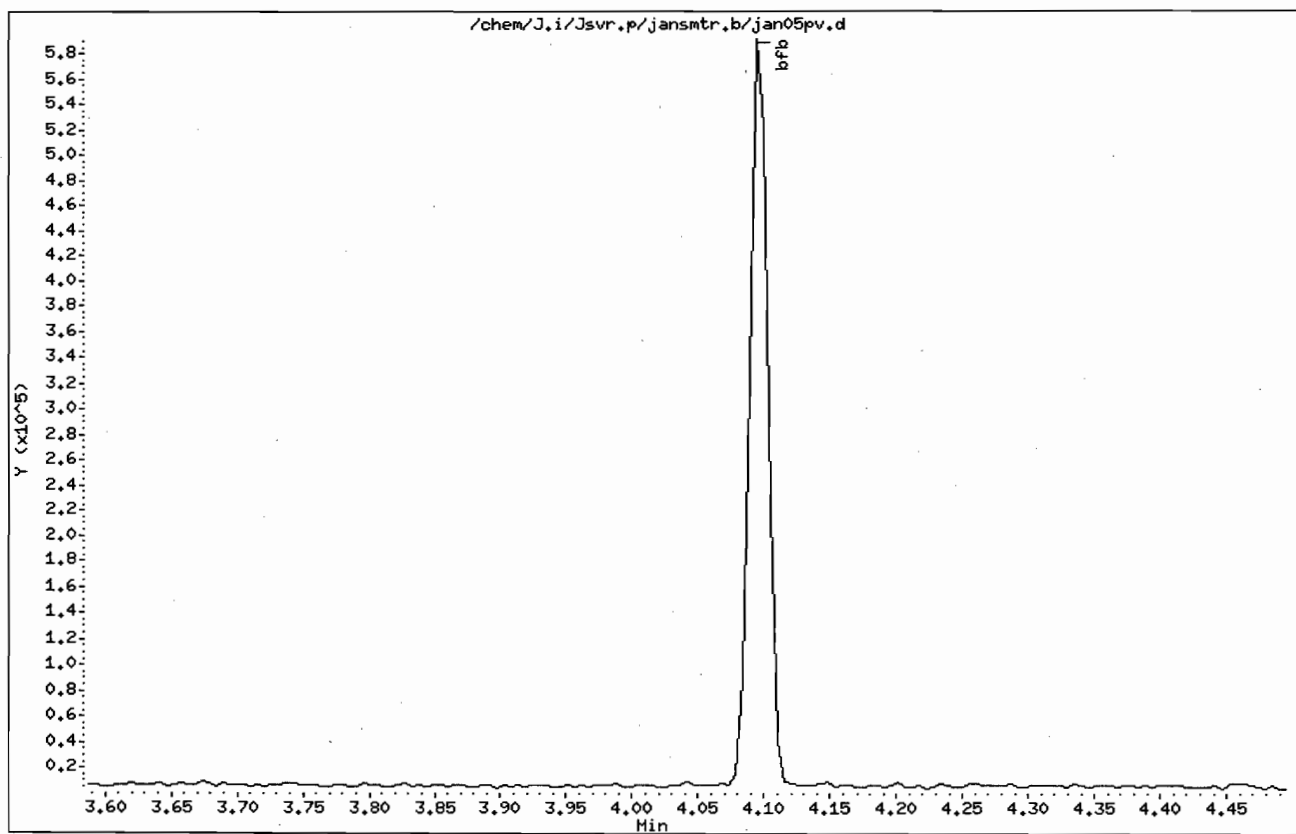
Sample Info: BFBJS

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/janasmttr.b/jan06pv.d

Page 2

Date : 26-MAR-2010 08:53

Client ID: BFBJT

Instrument: J.i

Sample Info: JAN06PV

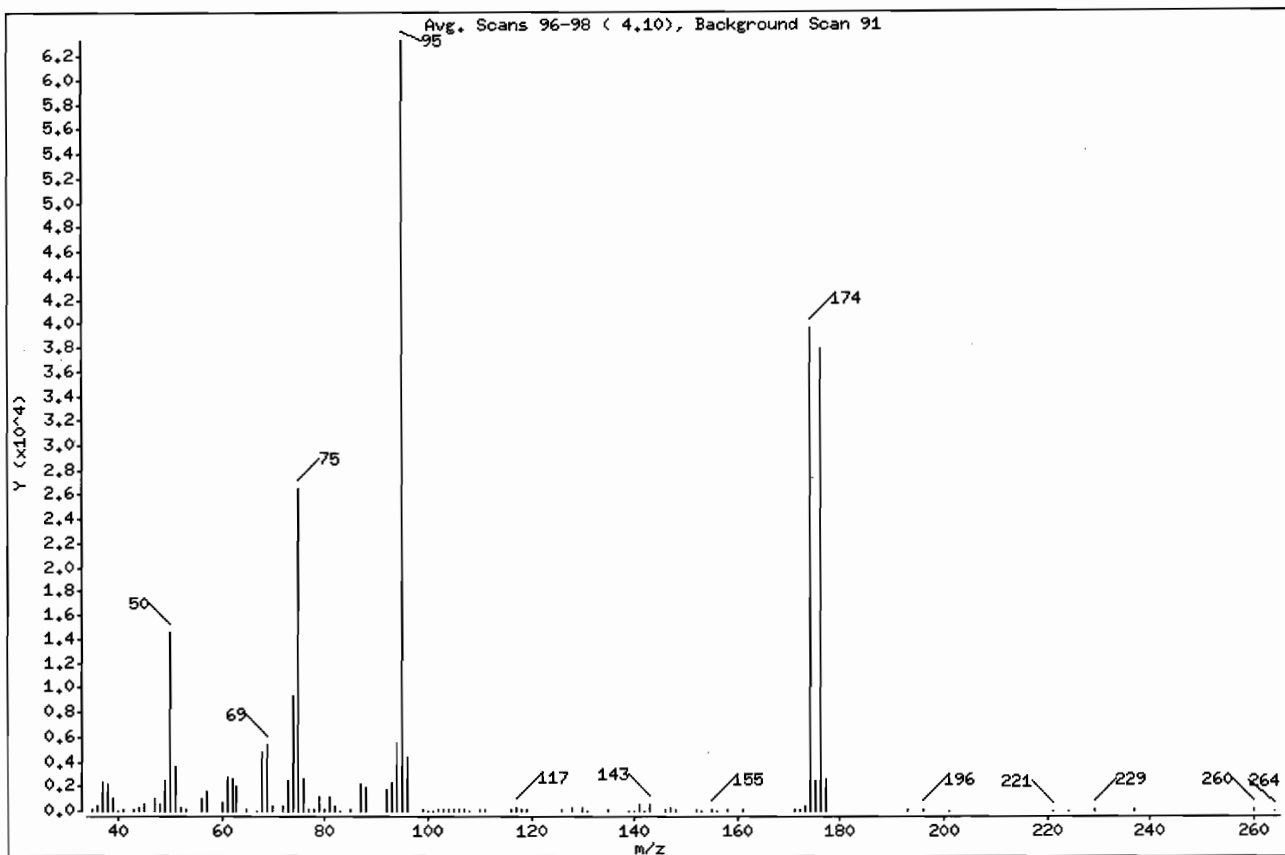
Volume Injected (uL): 2.0

Operator: HTP

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	23.05
75	30.00 - 80.00% of mass 95	41.76
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.72 (1.15)
174	50.00 - 120.00% of mass 95	62.58
175	5.00 - 9.00% of mass 174	3.98 (6.36)
176	95.00 - 101.00% of mass 174	59.83 (95.61)
177	5.00 - 9.00% of mass 176	4.04 (6.75)

Data File: /chem/J,i/Jsvr,p/janasmtr,b/jan06pv.d

Page 3

Date : 26-MAR-2010 08:53

Client ID: BFBJT

Instrument: J,i

Sample Info: JAN06PV

Volume Injected (uL): 2.0

Operator: HTP

Column phase: DB-624

Column diameter: 0.53

Data File: jan06pv.d

Spectrum: Avg. Scans 96-98 (4.10), Background Scan 91

Location of Maximum: 95.00

Number of points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	83	68.00	4848	101.00	51	147.00	257
36.00	498	69.00	5432	102.00	88	148.00	89
37.00	2402	70.00	506	103.00	74	152.00	146
38.00	2195	72.00	373	104.00	162	153.00	61
39.00	1051	73.00	2408	105.00	99	155.00	183
40.00	47	74.00	9373	106.00	136	156.00	50
41.00	111	75.00	26456	107.00	112	158.00	103
43.00	82	76.00	2612	108.00	65	161.00	147
44.00	227	77.00	158	110.00	95	171.00	189
45.00	524	78.00	210	111.00	76	172.00	124
47.00	1062	79.00	1207	116.00	217	173.00	456
48.00	583	80.00	163	117.00	357	174.00	39648
49.00	2451	81.00	1118	118.00	86	175.00	2521
50.00	14605	82.00	388	119.00	187	176.00	37904
51.00	3697	83.00	55	126.00	80	177.00	2558
52.00	220	85.00	101	128.00	222	193.00	81
53.00	117	87.00	2132	130.00	246	196.00	138
56.00	991	88.00	1957	131.00	58	201.00	58
57.00	1648	92.00	1810	135.00	153	221.00	68
60.00	658	93.00	2365	139.00	68	224.00	56
61.00	2789	94.00	5529	140.00	67	229.00	111
62.00	2590	95.00	63352	141.00	532	237.00	91
63.00	2068	96.00	4369	142.00	54	260.00	123
65.00	113	99.00	164	143.00	534	264.00	70
67.00	62	100.00	60	146.00	73		

Data File: /chem/J.i/Jsvr,p/janaswtr,b/jan06pv.d

Page 1

Date : 26-MAR-2010 08:53

Client ID: BFBJT

Instrument: J.i

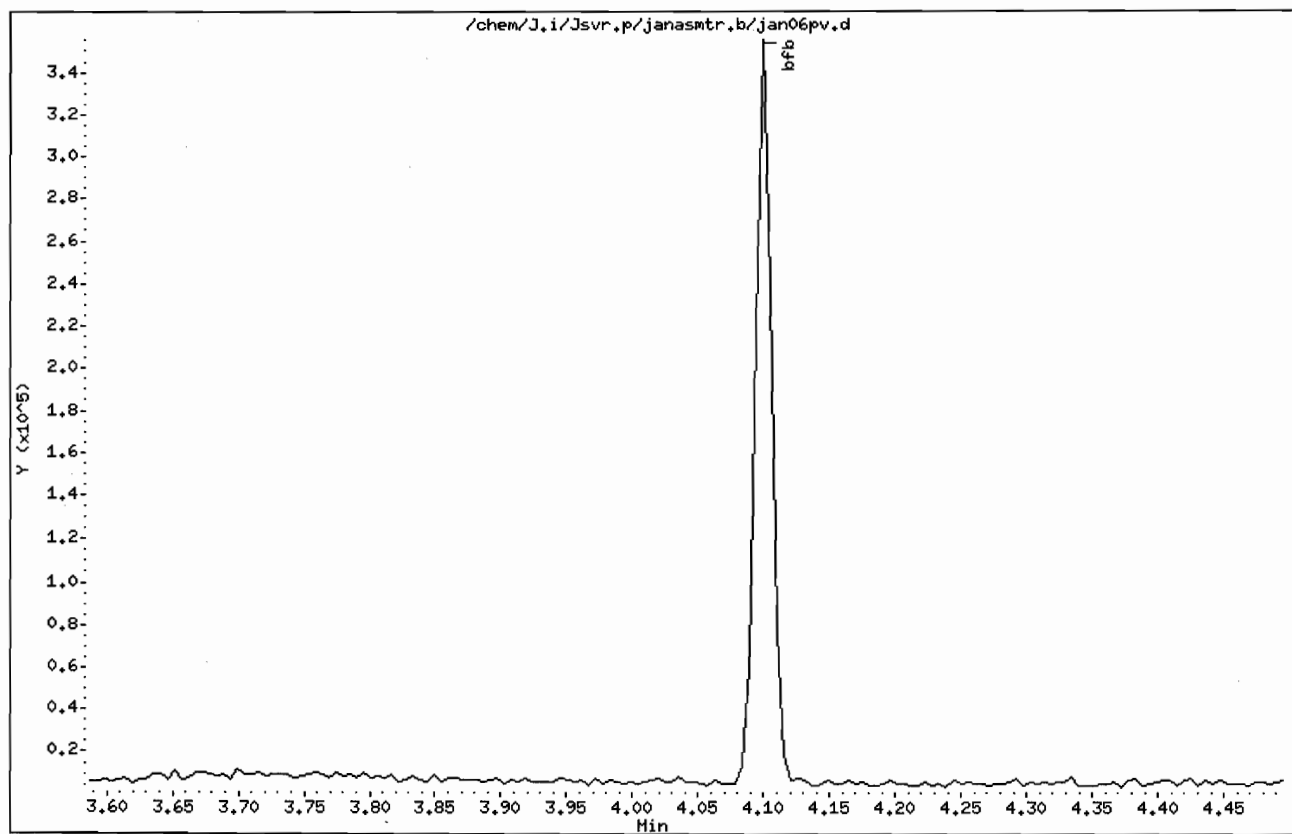
Sample Info: JAN06PV

Volume Injected (uL): 2.0

Operator: HTP

Column phase: DB-624

Column diameter: 0.53



Date : 26-MAR-2010 19:11

Client ID: BFBJU

Instrument: J.i

Sample Info: JAN08PV

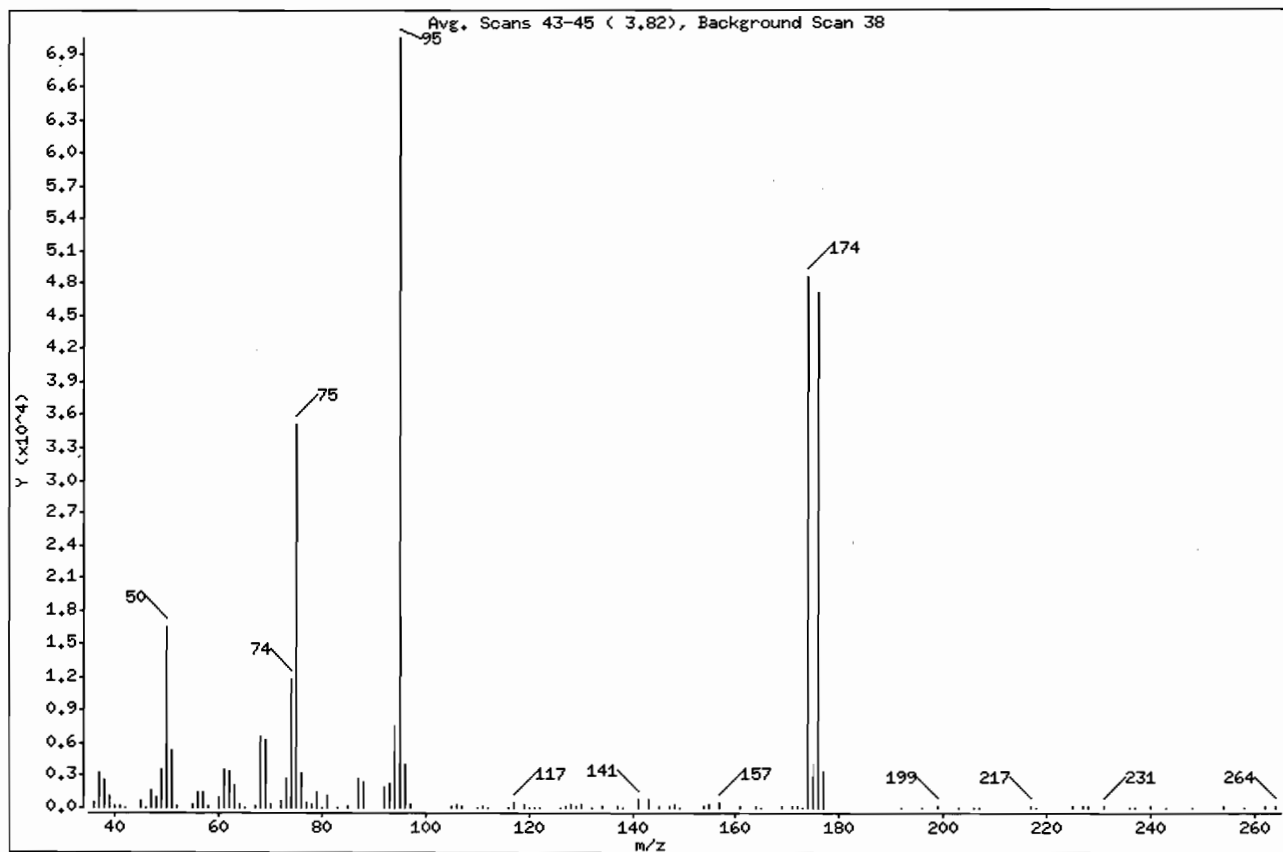
Volume Injected (uL): 2.0

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	23.55
75	30.00 - 80.00% of mass 95	49.92
96	5.00 - 9.00% of mass 95	5.69
173	Less than 2.00% of mass 174	0.11 (0.16)
174	50.00 - 120.00% of mass 95	68.96
175	5.00 - 9.00% of mass 174	4.19 (6.08)
176	95.00 - 101.00% of mass 174	66.84 (96.93)
177	5.00 - 9.00% of mass 176	4.93 (7.38)

Data File: /chem/J.i/Jsvr.p/janbsmtr.b/jan08pv.d

Page 3

Date : 26-MAR-2010 19:11

Client ID: BFBJU

Instrument: J.i

Sample Info: JAN08PV

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: jan08pv.d

Spectrum: Avg. Scans 43-45 (3.82), Background Scan 38

Location of Maximum: 95.00

Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	444	70.00	374	117.00	497	172.00	104
37.00	3233	72.00	662	119.00	263	173.00	77
38.00	2596	73.00	2722	120.00	72	174.00	48528
39.00	1163	74.00	11794	121.00	71	175.00	2949
40.00	143	75.00	35128	122.00	78	176.00	47040
41.00	184	76.00	3286	126.00	56	177.00	3473
42.00	78	77.00	411	127.00	81	192.00	61
45.00	665	78.00	255	128.00	381	196.00	53
46.00	57	79.00	1406	129.00	162	199.00	83
47.00	1548	80.00	25	130.00	257	203.00	56
48.00	983	81.00	1181	132.00	65	206.00	59
49.00	3496	83.00	66	134.00	129	207.00	58
50.00	16576	85.00	87	137.00	81	217.00	153
51.00	5298	87.00	2716	138.00	52	218.00	53
52.00	143	88.00	2433	141.00	875	225.00	101
55.00	343	92.00	1900	143.00	761	227.00	98
56.00	1427	93.00	2246	145.00	90	228.00	86
57.00	1380	94.00	7670	147.00	153	231.00	103
58.00	104	95.00	70376	148.00	312	236.00	80
60.00	907	96.00	4005	149.00	51	237.00	61
61.00	3585	97.00	246	154.00	143	240.00	85
62.00	3471	105.00	108	155.00	252	243.00	64
63.00	2177	106.00	387	157.00	505	248.00	77
64.00	292	107.00	104	161.00	83	254.00	102
65.00	54	110.00	66	164.00	139	258.00	74
67.00	173	111.00	150	165.00	50	262.00	89
68.00	6645	112.00	80	169.00	90	264.00	110
69.00	6284	116.00	78	171.00	122		

Data File: /chem/J.i/Jsvr.p/janbsmtr.b/jan08pv.d

Page 1

Date : 26-MAR-2010 19:11

Client ID: BFBJU

Instrument: J.i

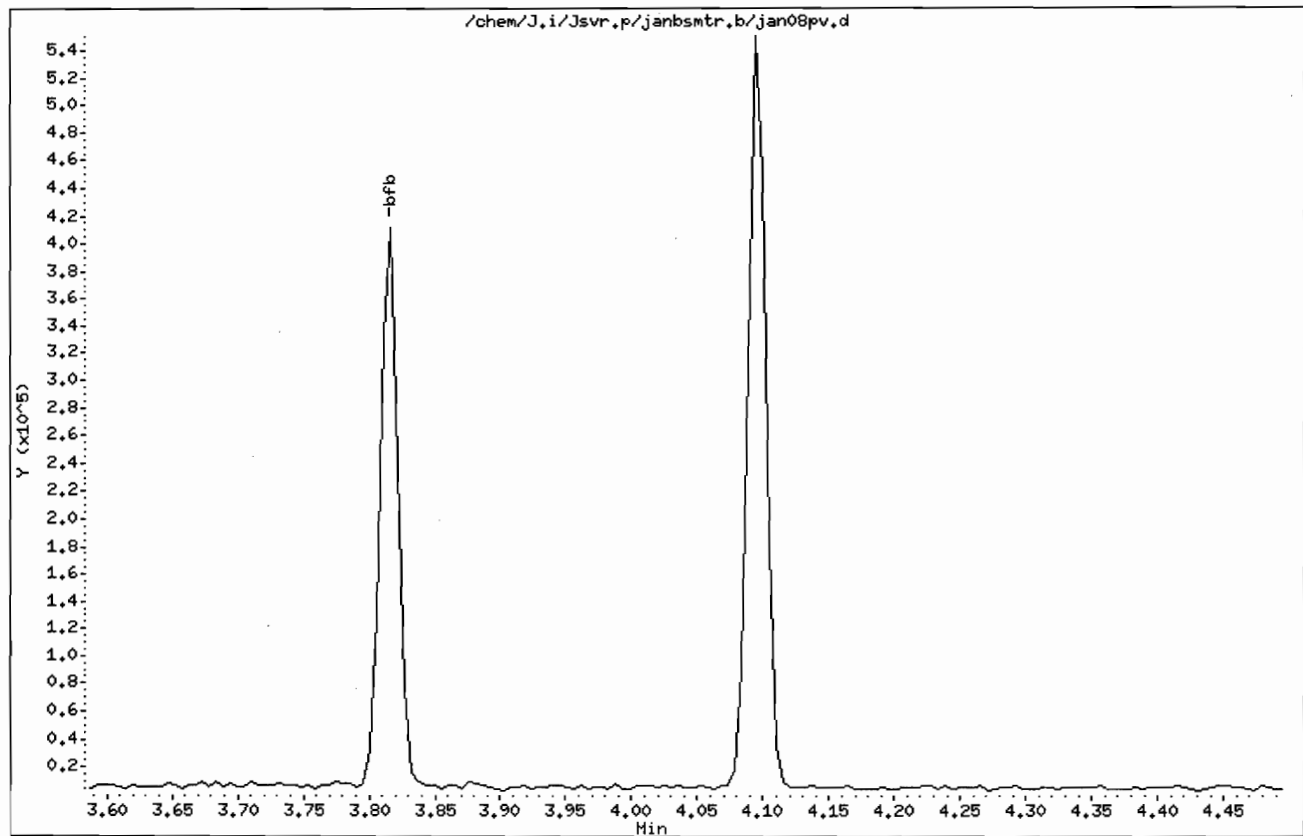
Sample Info: JAN08PV

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJT

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKJT

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JANB02A

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/26/2010

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.

VBKJKT

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBKJKT

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JANB02A

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/26/2010

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.

VLBKJT

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VLBKJT

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JANB02A

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/26/2010

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)

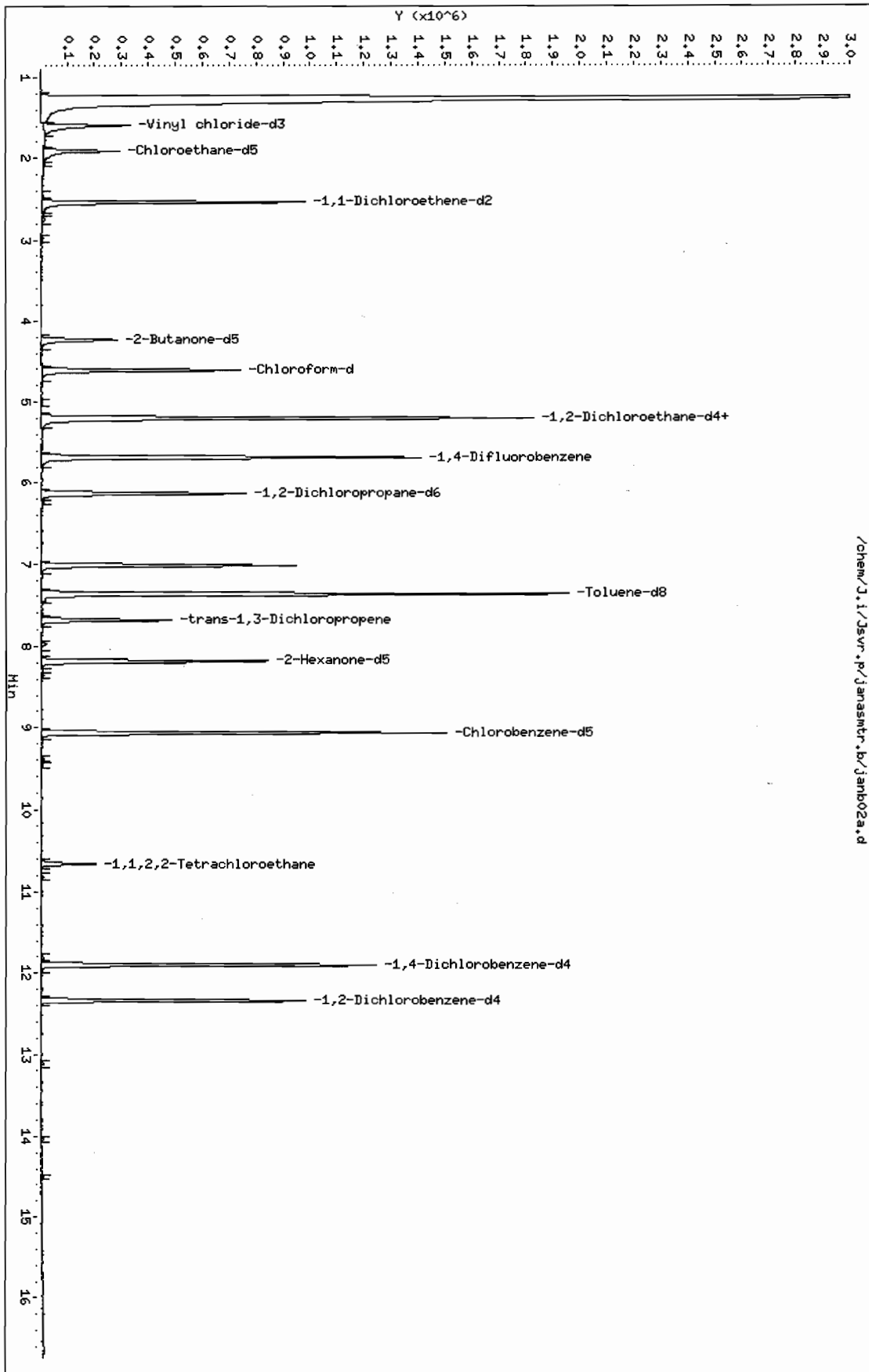
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	3.2	JX
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jnasmttr.b/janb02a.d
Date: 26-Mar-2010 10:09
Client ID: VLKJT
Sample Info: JANB02A
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: HTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/janb02a.d
Lab Smp Id: VBLKJT Client Smp ID: VBLKJT
Inj Date : 26-MAR-2010 10:09
Operator : MTP Inst ID: J.i
Smp Info : JANB02A
Misc Info : VBLKJT,,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	(0.281)	485361	4.57174	4.6
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	322462	4.59951	4.6
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	775520	3.64371	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						CONCENTRATIONS	
			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		4.233	4.233	(0.745)		454749	46.0662	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		4.610	4.617	(0.812)		682121	4.77905	4.8 (Q)
24 Chloroform	83						Compound Not Detected.		
25 1,1,1-Trichloroethane	97						Compound Not Detected.		
26 Cyclohexane	56						Compound Not Detected.		
27 Carbon tetrachloride	117						Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65		5.188	5.188	(0.913)		251635	4.72162	4.7
\$ 29 Benzene-d6	84		5.200	5.201	(0.574)		1525835	4.58104	4.6
30 Benzene	78						Compound Not Detected.		
31 1,2-Dichloroethane	62						Compound Not Detected.		
* 32 1,4-Difluorobenzene	114		5.681	5.681	(1.000)		1185293	5.00000	
33 Trichloroethene	95						Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67		6.125	6.131	(0.676)		374043	4.55610	4.6
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		7.366	7.366	(0.813)		1389181	4.58631	4.6
41 Toluene	91						Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79		7.683	7.683	(0.848)		286284	4.50290	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		8.175	8.181	(0.902)		320543	44.1853	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		9.064	9.064	(1.000)		877065	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		10.651	10.657	(1.175)		114997	4.44796	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		11.898	11.899	(1.000)		353487	5.00000	
62 1,4-Dichlorobenzene	146						Compound Not Detected.		

						CONCENTRATIONS		
		QUANT	SIG				ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====		----	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	12.336	12.337	(1.037)	269271	4.68412	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

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/janasmtr.b/janb02a.d
Report Date: 29-Mar-2010 14:31

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janasmtr.b/janb02a.d
Lab Smp Id: VBLKJT Client Smp ID: VBLKJT
Inj Date : 26-MAR-2010 10:09
Operator : MTP Inst ID: J.i
Smp Info : JANB02A
Misc Info : VBLKJT,,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janasmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:31 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2974432	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown				CAS #:			
7.019	1895220	3.18585068	3.2	0		0	32

Date : 26-MAR-2010 10:09

Client ID: VBLKJT

Instrument: J.i

Sample Info: JANB02A

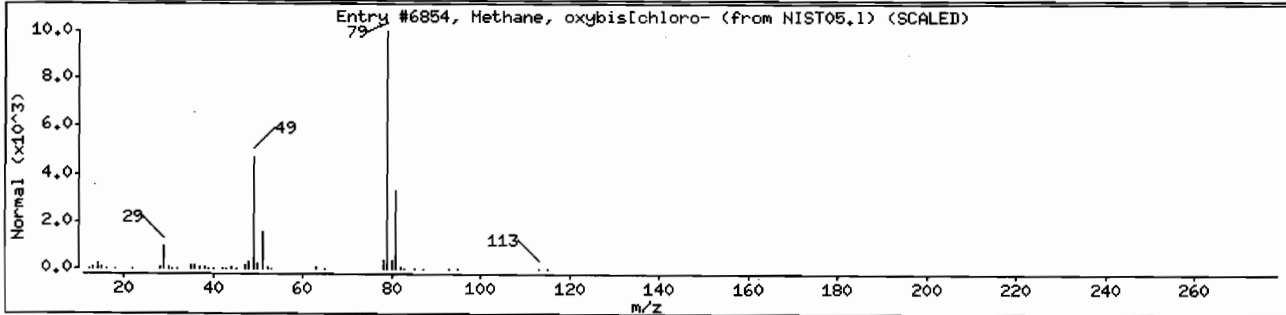
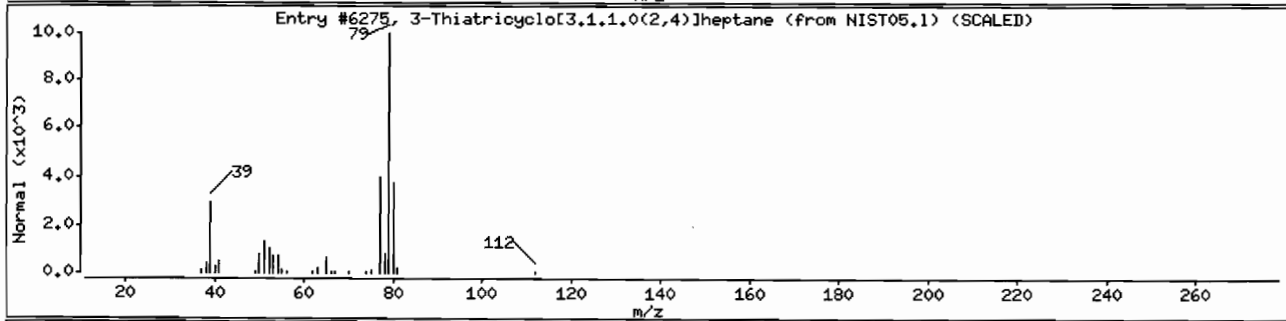
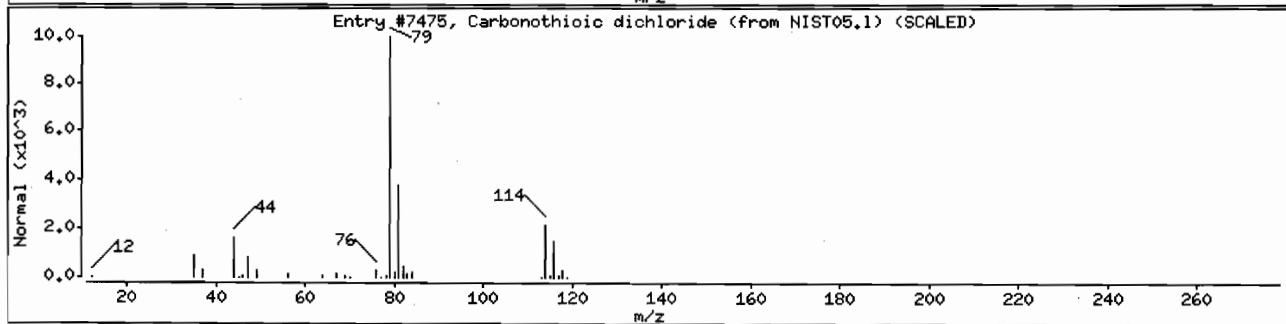
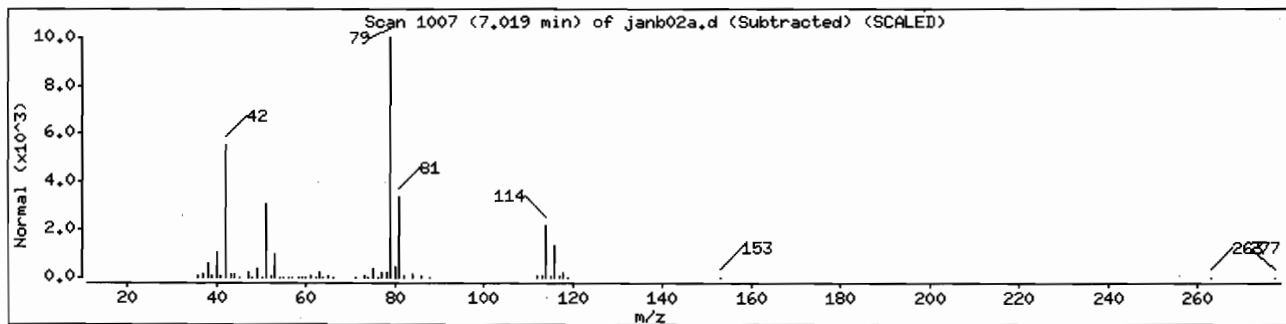
Purge Volume: 25.0

Operator: MTP

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	49	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJU

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKJU

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JANB02B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/26/2010

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.

VBLKJU

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKJU

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JANB02B

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/26/2010

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.
VBLKJU

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKJU

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: JANB02B

Level: (TRACE or LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/26/2010

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	=====	=====	=====	=====	=====
02		Unknown	7.02	3.3	JX
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		

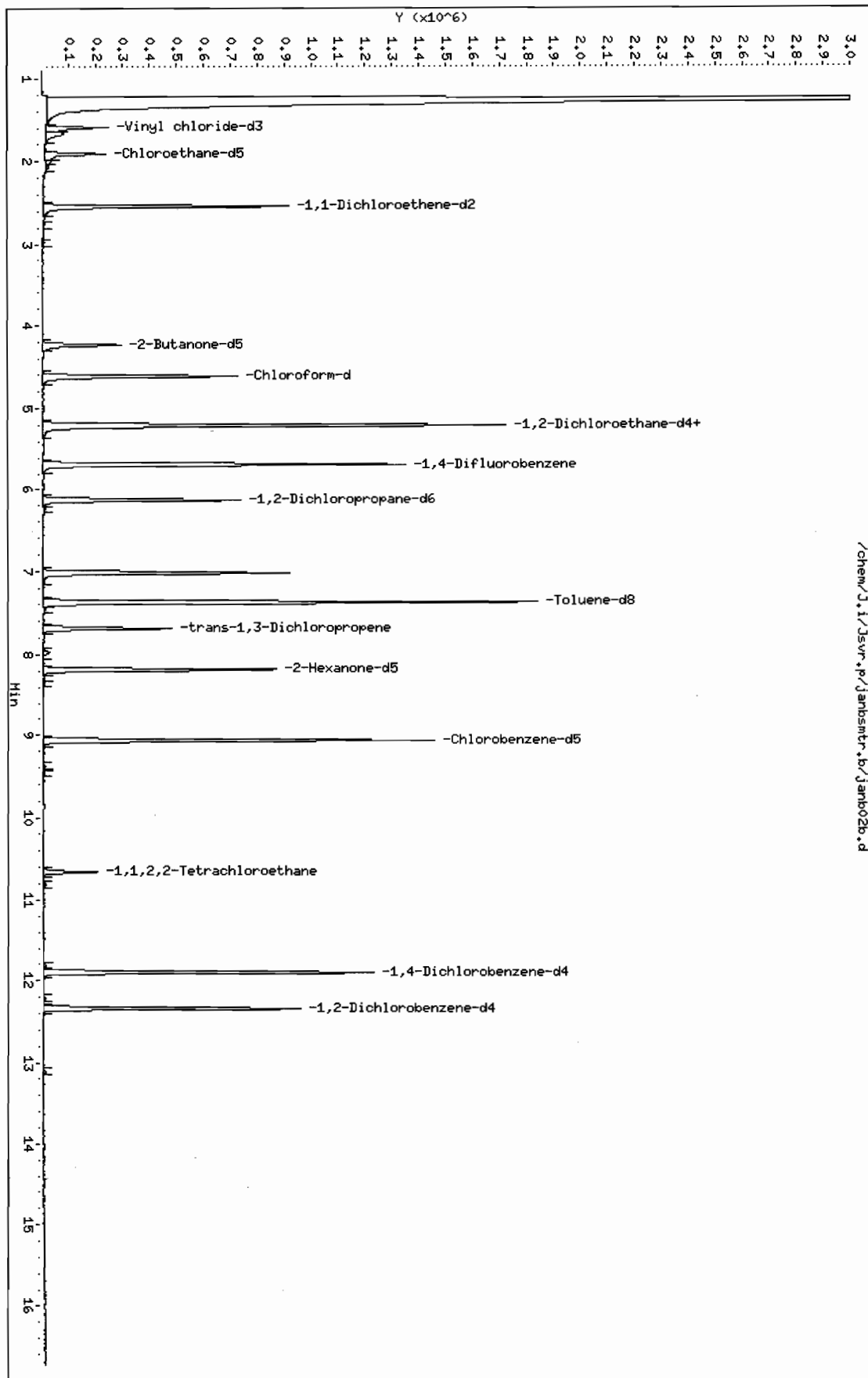
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr+p/janbmtr.b/janb02b.d
Date: 26-Mar-2010 20:29
Client ID: VBLKJU
Sample Info: JANB02B
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JPI
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janbsmtr.b/janb02b.d
Lab Smp Id: VBLKJU Client Smp ID: VBLKJU
Inj Date : 26-MAR-2010 20:29
Operator : JP1 Inst ID: J.i
Smp Info : JANB02B
Misc Info : VBLKJU,032610JU,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janbsmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:34 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 3 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	450581	4.49611	4.5 (M)
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	304165	4.59611	4.6
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	733543	3.65111	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT	SIG						CONCENTRATIONS	
			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		4.233	4.233	(0.745)	469741	50.4100	50	
20 cis-1,2-Dichloroethene	96			Compound Not Detected.					
21 2-Butanone	43			Compound Not Detected.					
22 Bromochloromethane	128			Compound Not Detected.					
\$ 23 Chloroform-d	84		4.610	4.617	(0.812)	653496	4.85032	4.9 (Q)	
24 Chloroform	83			Compound Not Detected.					
25 1,1,1-Trichloroethane	97			Compound Not Detected.					
26 Cyclohexane	56			Compound Not Detected.					
27 Carbon tetrachloride	117			Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65		5.188	5.188	(0.913)	256440	5.09745	5.1	
\$ 29 Benzene-d6	84		5.200	5.201	(0.574)	1440619	4.43247	4.4	
30 Benzene	78			Compound Not Detected.					
31 1,2-Dichloroethane	62			Compound Not Detected.					
* 32 1,4-Difluorobenzene	114		5.681	5.681	(1.000)	1118866	5.00000		
33 Trichloroethene	95			Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67		6.125	6.131	(0.676)	360393	4.49872	4.5	
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		7.366	7.366	(0.813)	1284229	4.34498	4.3	
41 Toluene	91			Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79		7.683	7.683	(0.848)	294142	4.74125	4.7	
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		8.175	8.181	(0.902)	328342	46.3830	46	
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		9.064	9.064	(1.000)	855837	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		10.651	10.657	(1.175)	114929	4.55559	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		11.898	11.899	(1.000)	352691	5.00000		
62 1,4-Dichlorobenzene	146			Compound Not Detected.					

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====		=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.336	12.337	(1.037)		270462	4.71546	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

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /chem/J.i/Jsvr.p/janbsmtr.b/janb02b.d
Report Date: 29-Mar-2010 14:34

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/janbsmtr.b/janb02b.d
Lab Smp Id: VBLKJU Client Smp ID: VBLKJU
Inj Date : 26-MAR-2010 20:29
Operator : JP1 Inst ID: J.i
Smp Info : JANB02B
Misc Info : VBLKJU,032610JU,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janbsmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:34 jd1 Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.d
Als bottle: 3 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	5.681	2829905	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
7.019	1841546	3.25372381	3.3	0		0	32

Date : 26-MAR-2010 20:29

Client ID: VBLKJU

Instrument: J.i

Sample Info: JANB02B

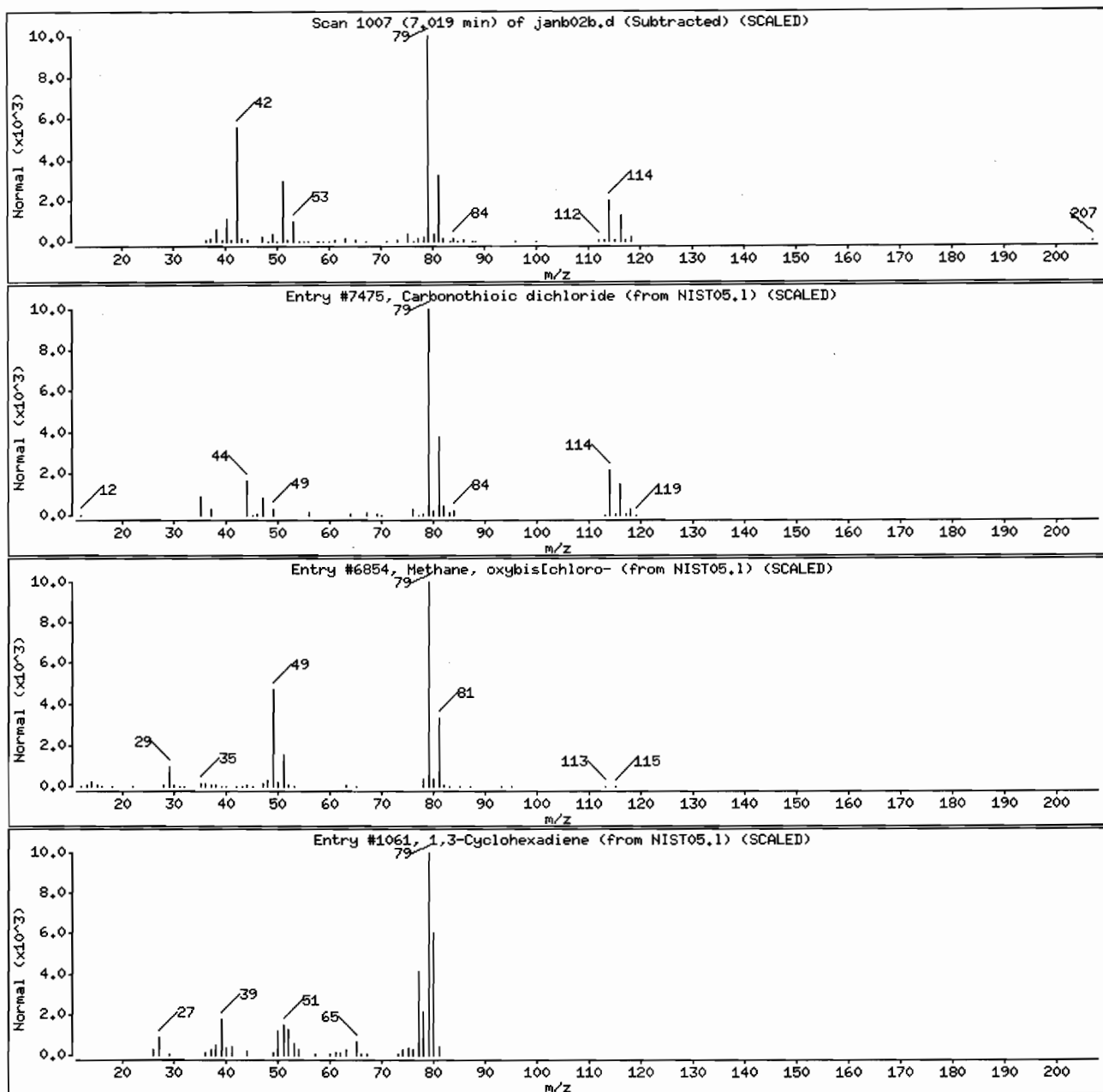
Purge Volume: 25.0

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	49	CCl2S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	23	C6H8	80



MANUAL INTEGRATION REPORT

Data File Name: janb02b.d

Inj. Date and Time: 26-MAR-2010 20:29

Target Version: Target 3.50

Client Sample ID: VBLKJU

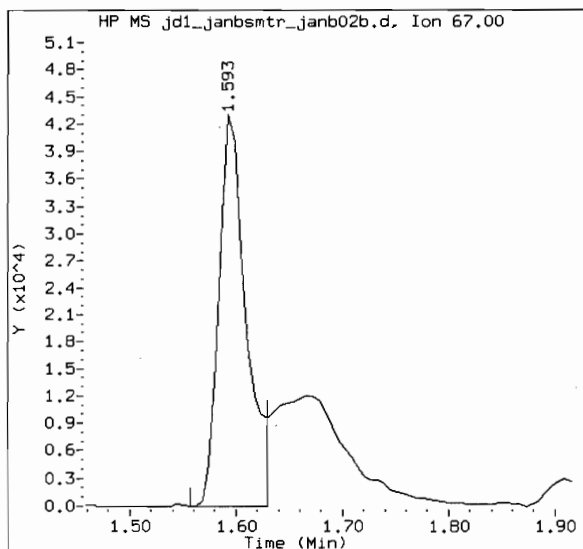
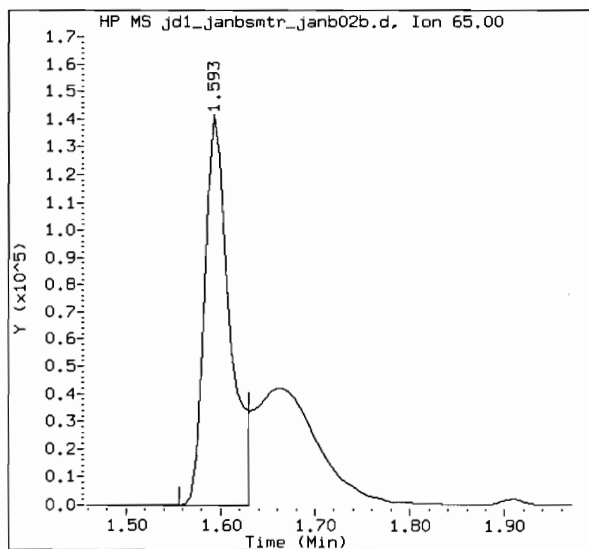
Instrument ID: J.i

Report Version: 1.1

Compound Name: Vinyl chloride-d3

CAS #: 6745-35-3

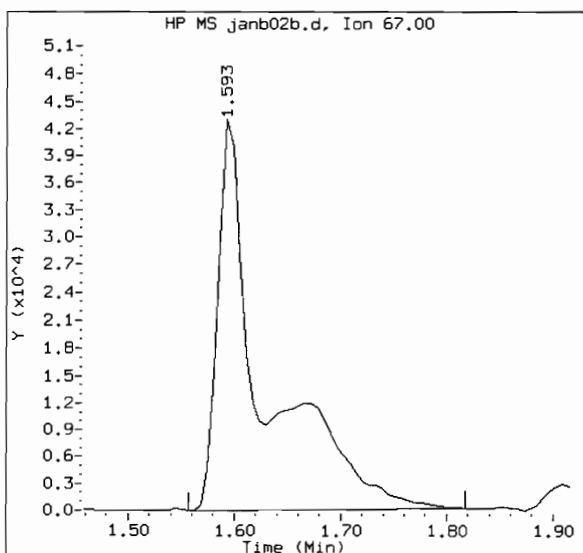
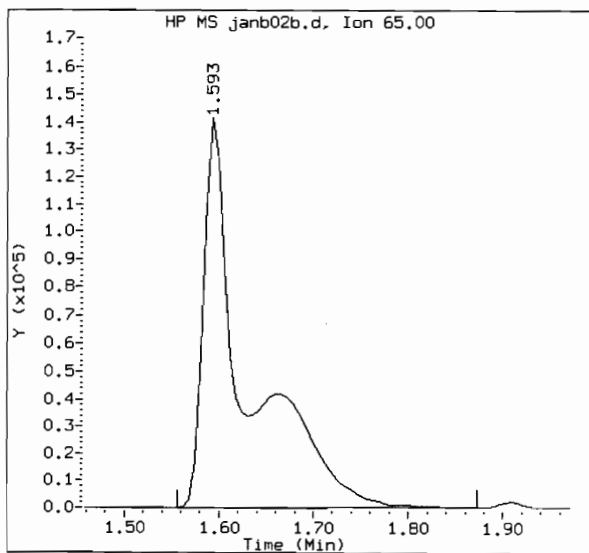
Report Date: 03/29/2010 14:34



Original Integrations:

Area = 259067

Area = 77754



Final Integrations:

Area = 450581

Area = 131903

Manual Integration Reason: M11 - Poor automated baseline

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.: 136458

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 823385

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 823385

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 03/26/2010

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.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823385
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823385
Level: (TRACE/LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/26/2010
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.: 136458
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 823385
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 823385
Level: (TRACE or LOW/MED) TRACE Date Received:
% Moisture: not dec. Date Analyzed: 03/26/2010
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)

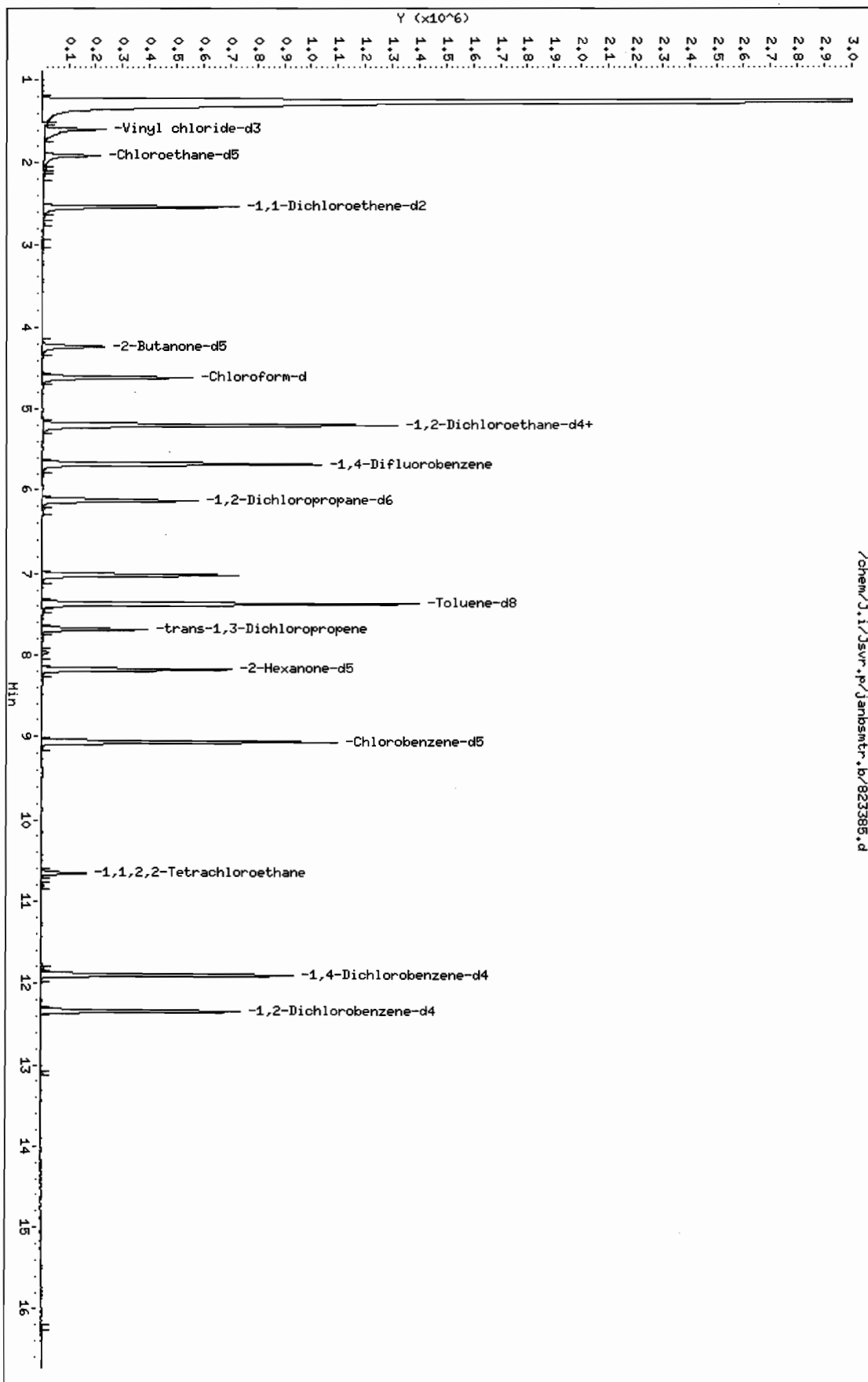
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	7.02	3.4	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/janbsmr.b/823385.d
 Date : 26-MAR-2010 21:16
 Client ID: VHBK01
 Sample Info: VHBK01 : [103/23/10 01310(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/janbsmtr.b/823385.d
Lab Smp Id: 823385 Client Smp ID: VHBLK01
Inj Date : 26-MAR-2010 21:16
Operator : JP1 Inst ID: J.i
Smp Info : VHBLK01 :[]03/23/10 @1310(WATER)
Misc Info : 823385,032610JU,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janbsmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:34 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.593	1.599	(0.280)	359129	4.63552	4.6
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.909	1.909	(0.336)	228567	4.46764	4.5
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.446)	571658	3.68060	3.7
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	(0.745)	371455	51.5642	52
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	4.611	4.617	(0.812)	496943	4.77109	4.8 (Q)
24 Chloroform	83		Compound Not	Detected.			
25 1,1,1-Trichloroethane	97		Compound Not	Detected.			
26 Cyclohexane	56		Compound Not	Detected.			
27 Carbon tetrachloride	117		Compound Not	Detected.			
\$ 28 1,2-Dichloroethane-d4	65	5.188	5.188	(0.913)	217053	5.58106	5.6
\$ 29 Benzene-d6	84	5.201	5.201	(0.574)	1098961	4.47609	4.5
30 Benzene	78		Compound Not	Detected.			
31 1,2-Dichloroethane	62		Compound Not	Detected.			
* 32 1,4-Difluorobenzene	114	5.681	5.681	(1.000)	864957	5.00000	
33 Trichloroethene	95		Compound Not	Detected.			
\$ 34 1,2-Dichloropropane-d6	67	6.125	6.131	(0.676)	286452	4.73352	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	7.366	7.366	(0.813)	983387	4.40443	4.4
41 Toluene	91		Compound Not	Detected.			
\$ 42 trans-1,3-Dichloropropene-d4	79	7.677	7.683	(0.847)	241111	5.14485	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	8.176	8.181	(0.902)	255475	47.7749	48
47 2-Hexanone	43		Compound Not	Detected.			
48 Dibromochloromethane	129		Compound Not	Detected.			
49 1,2-Dibromoethane	107		Compound Not	Detected.			
* 50 Chlorobenzene-d5	117	9.064	9.064	(1.000)	646504	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	10.652	10.657	(1.175)	93699	4.91665	4.9
59 1,1,2,2-Tetrachloroethane	83		Compound Not	Detected.			
60 1,3-Dichlorobenzene	146		Compound Not	Detected.			
* 61 1,4-Dichlorobenzene-d4	152	11.899	11.899	(1.000)	268590	5.00000	
62 1,4-Dichlorobenzene	146		Compound Not	Detected.			

Compounds		QUANT SIG					CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====		====	==	=====	=====	=====	=====	=====
\$ 63	1,2-Dichlorobenzene-d4	152	12.337	12.337	(1.037)	200761	4.59622	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/janbsmtr.b/823385.d
Lab Smp Id: 823385 Client Smp ID: VHBLK01
Inj Date : 26-MAR-2010 21:16
Operator : JP1 Inst ID: J.i
Smp Info : VHBLK01 : [] 03/23/10 @1310 (WATER)
Misc Info : 823385,032610JU,1,5
Comment :
Method : /chem/J.i/Jsvr.p/janbsmtr.b/somtr4.m
Meth Date : 29-Mar-2010 14:34 jdl Quant Type: ISTD
Cal Date : 25-MAR-2010 21:37 Cal File: jam020v.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	5.681	2191024	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
7.020	1505914	3.43655292	3.4	0		0	32

Date : 26-MAR-2010 21:16

Client ID: VHBLK01

Instrument: J.i

Sample Info: VHBLK01 :[103/23/10 @1310(WATER)

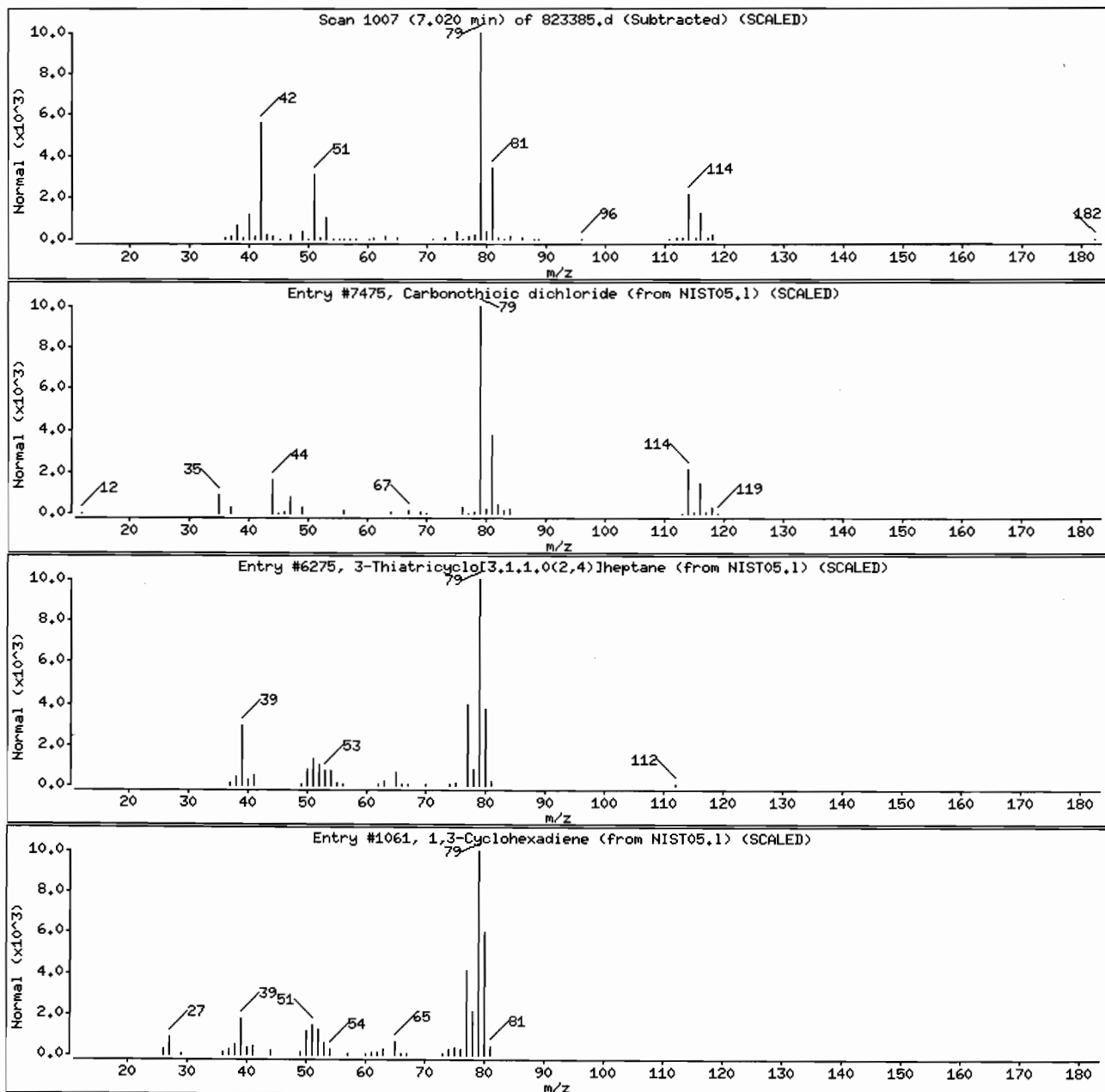
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonylthioic dichloride	463-71-8	NIST05.1	7475	49	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	23	C ₆ H ₈	80





Sample Preparation – SOM01.2 Volatiles – Trace

TestAmerica Burlington - Manual Integration Summary
SDG: jansmtr Fraction: Volatile

===== Instrument J - No Manual Integrations =====

JTD 03/29/10

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks	
Batch ID:	JANASMTR	BFB Lot#	MV12100901	Instrument:	HP5973	Instrument ID:	J
Test Method:	Trace	ISTD Lot #:	MV0323001	Column Type:	Capillary RTX-624		
ICAL Date:	3/23/10	Surrogate Lot #	MV03251001	Purge Volume:	☐ 5 mL ☒ 10 mL ☒ 25 mL		
Start Date: 3/26/10	Time: 0853	CAL STD Lot #	MV03251002				
End Date: 3/26/10	Time: 2053	LCSMS 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
0853	JAN06PV	BFBIT	NA		MTP	✓	✓	✓	MTP	Checklist ✓ primary standard for 3/10
0914	JAN05AV	VST005JT				✓	✓	✓		
0941	↓ B01A	Blind				✓	✓	✓		
1009	↓ B02A	V61K5T				✓	✓	✓		
1130	823168	136423	A2	100% 100%		✓	✓	✓		TICs
1158	823169	↓	A2	100% 850ul 100%		✓	✓	✓		More conc. TCE 11
1310	823376D	136458				✓	✓	✓		Mo Acet 52 MeCl2 21
1338	823377					✓	✓	✓		41
1406	823328					✓	✓	✓		45
1434	823379					✓	✓	✓		49
1502	823380					✓	✓	✓		51
1531	823381					✓	✓	✓	JPI	44
1559	823382					✓	✓	✓		38
1627	823383					✓	✓	✓		More conc
1655	823384					✓	✓	✓		
1752	823376D2			10ml		✓	✓	✓		
1724	823377D	↓	A3	22 ml		✓	✓	✓		
1828	JAN05ACI	VST005JT	NA		JPI	✓	✓	✓		good cleanup 7.9

Legend: C=Complete ■ R=Reanalyze ■ = High ■ ↓ = Low ■ ✓ = Reviewed and Acceptable

Page 27 of 100

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks		
Batch ID:	JANVSM TR	BFB Lot #	MV12100901	Instrument:	HP5973	Instrument ID:	J	Tune STD	☒ RF Summary		
Test Method:	SOM TRACE	ISTD Lot #	MV03231001	Column Type:	Capillary	RTX-624		Integral Standard Response			
ICAL Date:	3/25/00	Surrogate Lot #	MV03251001	Purge Volume:	☐ 5 mL	☐ 10 mL	☒ 25 mL	RT & Ratios Updated			
Start Date:	3/26/00 Time: 1911	CAL STD Lot #	MV03251002					Batch MS/MSD was not performed due to insufficient sample volume			
End Date:	3/27/00 Time: 0711	LCSMS Lot #									
Sequence Information											
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst		
1911	JAN07PV BFB JV		NA		JPI	NA			JPI		
1953	JAN08PV BFB JV		NA			NA					
2001	JAN05BV VSTD05 JV										
2029	JAN B01B BLAMC										
2116	JAN B02B VBLK JV		A2	100% 136485							
2144	823385		A1								
2212	823462		A2								
2241	823493										
2309	823494										
2338	823495										
0006	823496										
0035	823497										
0104	823498										
0133	823499										
0202	823500										
0231	823501										
0259	JAN05BC1 VSTD05 JV		NA								
0388	JAN05BC2										
Comments: VHBK primary ok for 3/26/00 VHBK primary ok for 3/26/00 RC Bad injection good for closing 01/5/00 JPI											

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 (days)
3-20-10	J.J.	136423	136423	823159	A1	< 2	SOM01.2 TR	3-29
				160				
				161				
				162				
				163				
				164				
				165				
				166				
				167				
				168				
				169				
				170				
3-20-10	J.J.	NY136377	136439	823294	A1	< 2	8260B LW	4-2
				295				
				296				
3-23-10	J.J.	136458	136458	823376	A1	< 2	SOM01.2 TR	4-2
				377				
				378				
				379				
				380				
				381				
				382				
				383				
				384				
				385				

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).

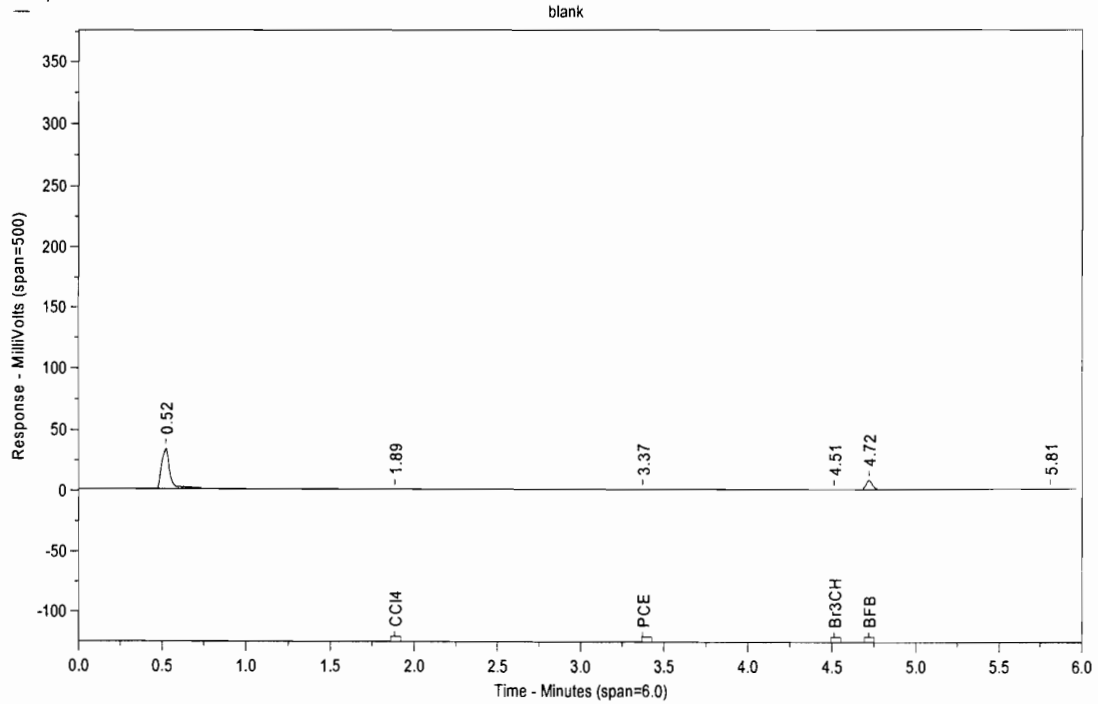
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE032010.0035.RAW

Acquired from Instrument 1 on 3/23/10 3:51:43 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33584.14	4.51	Br3CH	0	22.66
1.89	CCl4	0	56.85	4.72	BFB	350	7709.60
3.37	PCE	0	25.99	5.81		0	102.44

Surrogate BFB recovery is 87.6%

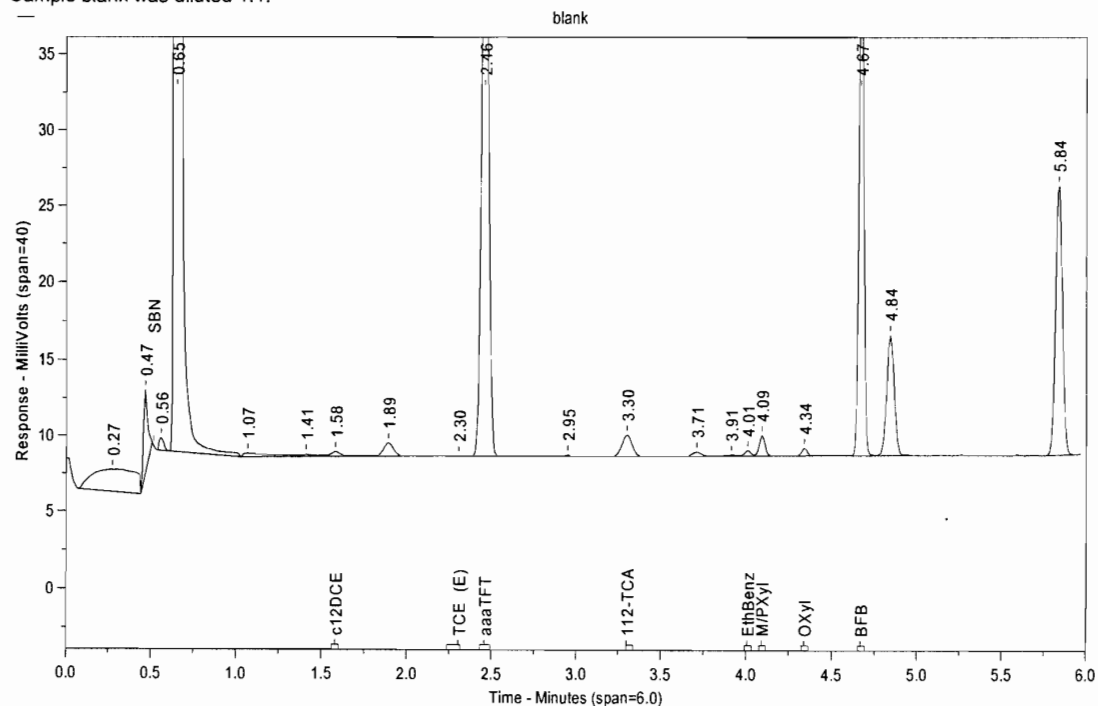
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF032010.0035.RAW

Acquired from Instrument 1 on 3/23/10 3:51:43 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1481.51	2.95		0	104.84
0.47		0	5655.44	3.30	112-TCA	75	1406.93
0.56		0	819.01	3.71		0	302.54
0.65		0	544920.56	3.91		0	84.80
1.07		0	237.36	4.01	EthBenz	1	370.04
1.41		0	149.82	4.09	M/PyXyl	5	1340.36
1.58	c12DCE	5	318.50	4.34	OXyl	2	507.46
1.89		0	873.46	4.67	BFB	353	36215.12
2.30	TCE (E)	1	43.43	4.84		0	7896.94
2.46	aaaTFT	338	42626.81	5.84		0	17725.55

Surrogate aaaTFT recovery is 84.5%

Surrogate BFB recovery is 88.2%

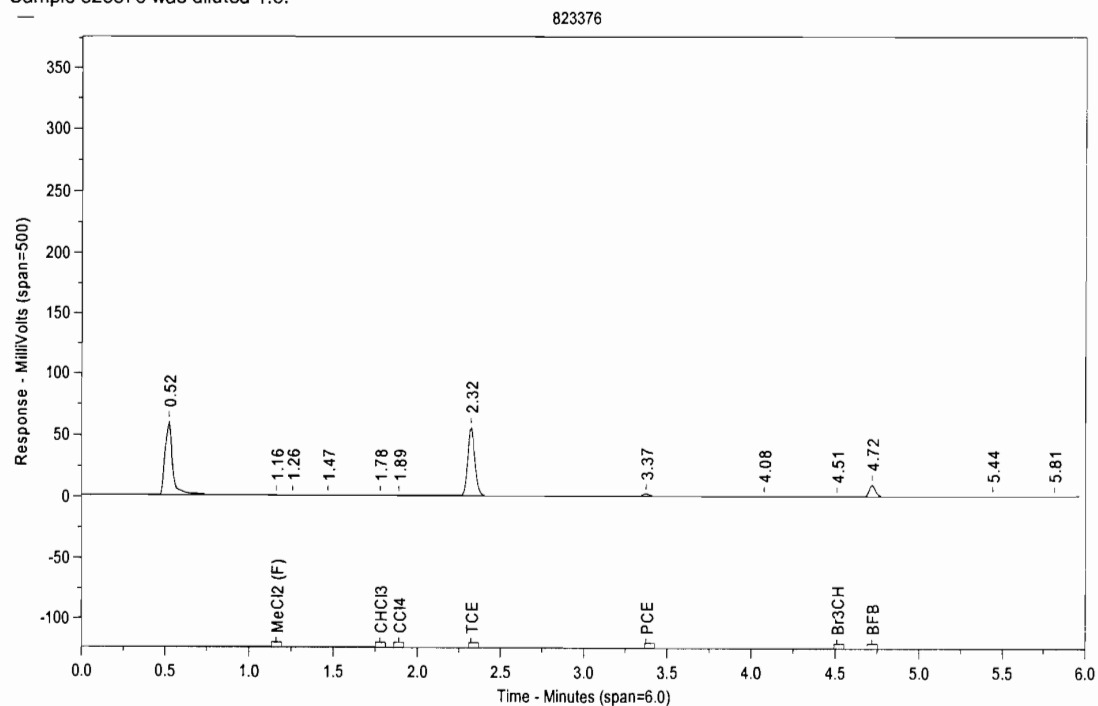
Chrom Perfect Chromatogram Report

Sample Name: 823376

Data File: C:\CPSpirit5\Data2\VoaE032010.0036.RAW

Acquired from Instrument 1 on 3/23/10 4:03:07 PM by

Sample 823376 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	59618.34	3.37	PCE	4	1903.85
1.16	MeCl2 (F)	10	45.58	4.08		0	24.25
1.26		0	139.04	4.51	Br3CH	0	29.33
1.47		0	46.06	4.72	BFB	2255	9605.46
1.78	CHCl3	0	32.20	5.44		0	26.81
1.89	CCl4	0	84.21	5.81		0	52.00
2.32	TCE	627	55458.13				

Surrogate BFB recovery is 112.8%

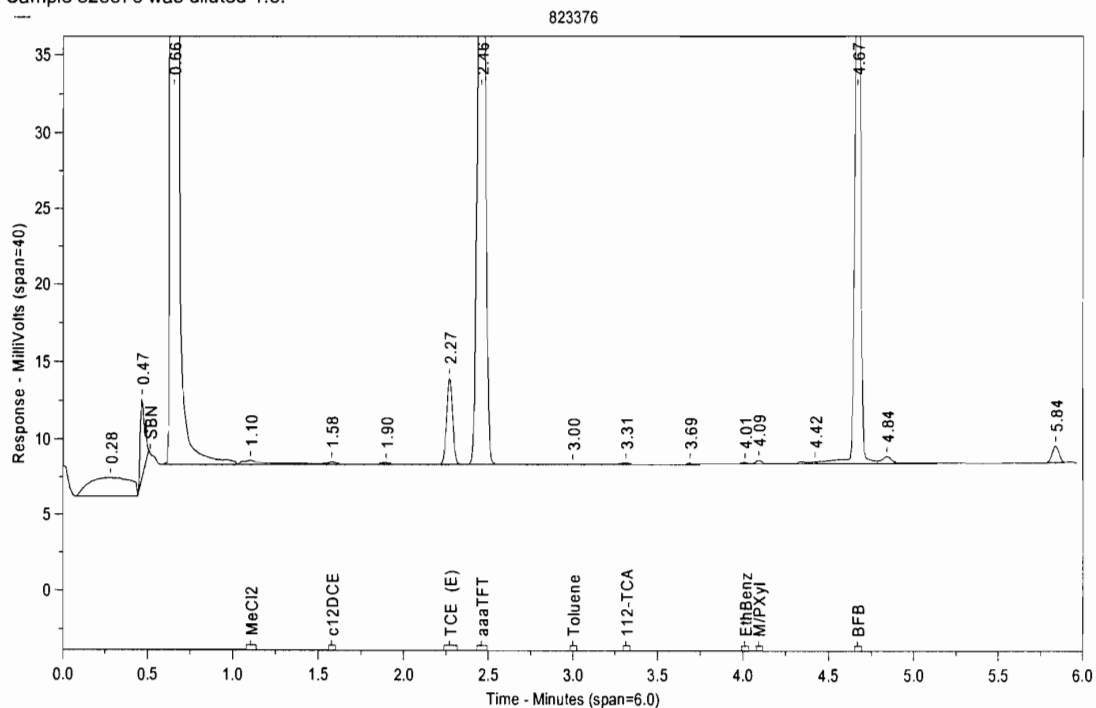
Chrom Perfect Chromatogram Report

Sample Name: 823376

Data File: C:\CPSpirit5\Data2\VoaF032010.0036.RAW

Acquired from Instrument 1 on 3/23/10 4:03:07 PM by

Sample 823376 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1217.68	3.31	112-TCA	-10	111.16
0.47		0	5343.23	3.69		0	91.62
0.66		0	657278.25	4.01	EthBenz	1	116.06
1.10	MeCl2	16	260.93	4.09	M/Pyxl	0	263.00
1.58	c12DCE	11	154.64	4.42		0	142.19
1.90		0	115.10	4.67	BFB	2375	48756.24
2.27	TCE (E)	590	5724.40	4.84		0	462.10
2.46	aaaTFT	2160	54454.74	5.84		0	1090.98
3.00	Toluene	1	29.67				

Surrogate aaaTFT recovery is 108.8%

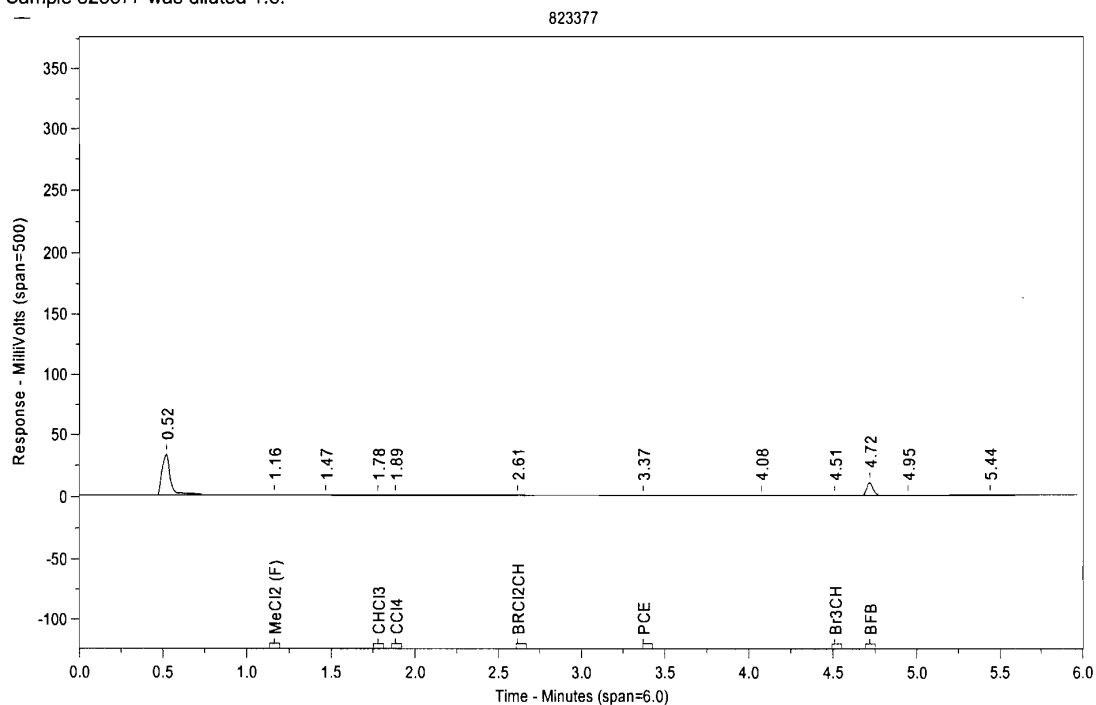
Surrogate BFB recovery is 118.8%

Sample Name: 823377

Data File: C:\CPSpirit5\Data2\VoaE032010.0037.RAW

Acquired from Instrument 1 on 3/23/10 4:14:41 PM by

Sample 823377 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33558.78	3.37	PCE	0	65.00
1.16	MeCl2 (F)	20	77.92	4.08		0	24.53
1.47		0	46.05	4.51	Br3CH	0	30.57
1.78	CHCl3	0	34.12	4.72	BFB	2434	10263.98
1.89	CCl4	0	79.35	4.95		0	23.75
2.61	BRCI2CH	0	26.61	5.44		0	30.56

Surrogate BFB recovery is 121.7%

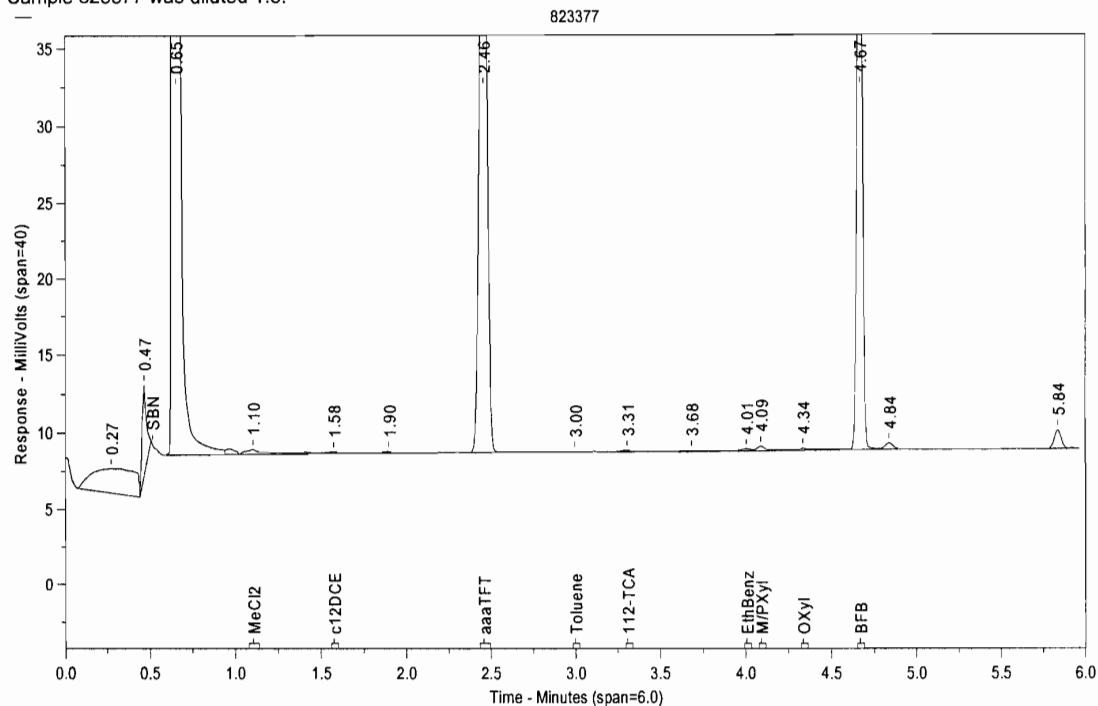
Chrom Perfect Chromatogram Report

Sample Name: 823377

Data File: C:\CPSpirit5\Data2\VoaF032010.0037.RAW

Acquired from Instrument 1 on 3/23/10 4:14:41 PM by

Sample 823377 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1606.61	3.31	112-TCA	-8	117.49
0.47		0	5879.31	3.68		0	90.41
0.65		0	666905.56	4.01	EthBenz	2	133.21
1.10	MeCl2	27	327.28	4.09	M/PyXyl	0	292.93
1.58	c12DCE	8	116.73	4.34	OXyl	1	133.95
1.90		0	98.35	4.67	BFB	2502	51356.94
2.46	aaaTFT	2124	53556.82	4.84		0	399.12
3.00	Toluene	1	45.59	5.84		0	1209.56

Surrogate aaaTFT recovery is 106.2%

Surrogate BFB recovery is 125.1%

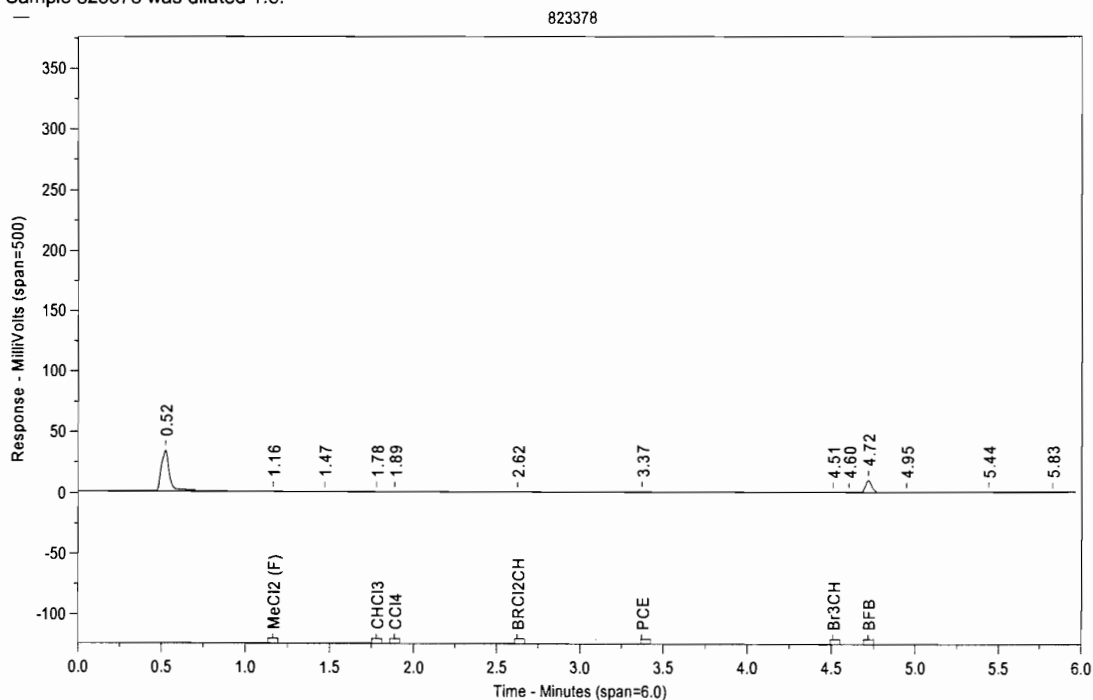
Chrom Perfect Chromatogram Report

Sample Name: 823378

Data File: C:\CPSpirit5\Data2\VoaE032010.0038.RAW

Acquired from Instrument 1 on 3/23/10 4:26:11 PM by

Sample 823378 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33475.86	4.51	Br3CH	0	28.20
1.16	MeCl2 (F)	15	62.99	4.60		0	24.08
1.47		0	49.15	4.72	BFB	2309	9802.39
1.78	CHCl3	0	32.44	4.95		0	21.14
1.89	CCl4	0	80.45	5.44		0	27.38
2.62	BRCI2CH	0	27.00	5.83		0	25.35
3.37	PCE	1	375.28				

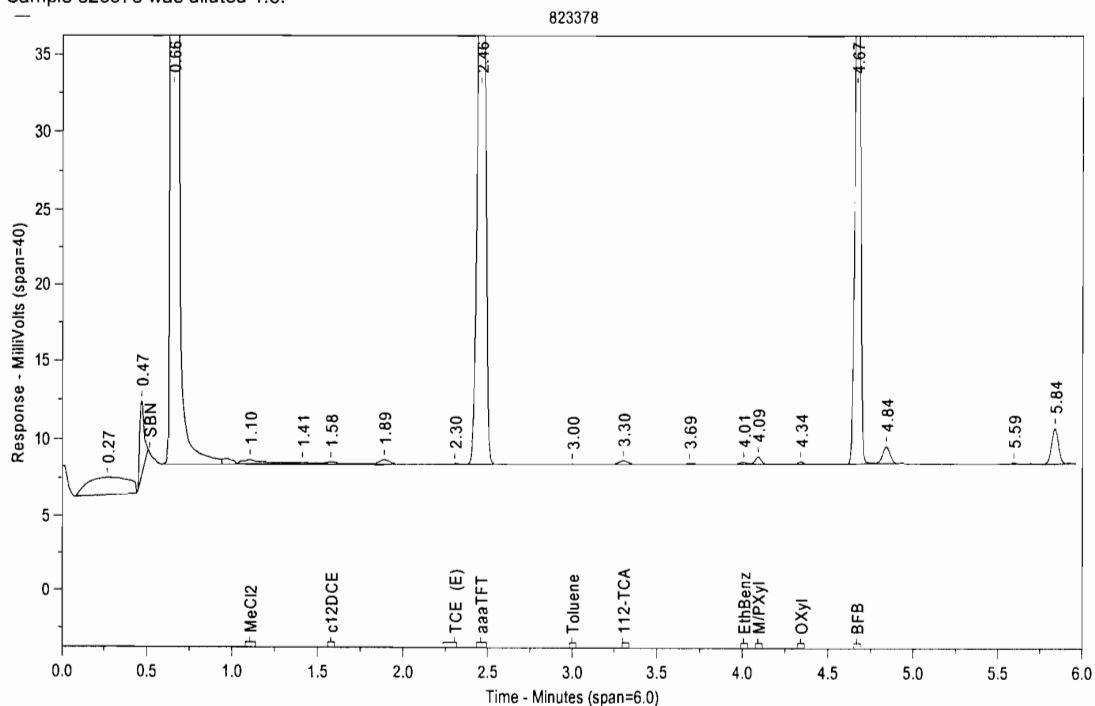
Surrogate BFB recovery is 115.4%

Sample Name: 823378

Data File: C:\CPSpirit5\Data2\VoaF032010.0038.RAW

Acquired from Instrument 1 on 3/23/10 4:26:11 PM by

Sample 823378 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1150.92	3.30	112-TCA	34	257.48
0.47		0	5103.38	3.69		0	88.29
0.66		0	656807.25	4.01	EthBenz	2	156.18
1.10	MeCl2	24	309.72	4.09	M/PyXyl	4	489.74
1.41		0	149.41	4.34	OXyl	1	163.00
1.58	c12DCE	11	156.55	4.67	BFB	2353	48300.56
1.89		0	294.14	4.84		0	1081.41
2.30	TCE (E)	6	66.21	5.59		0	84.97
2.46	aaaTFT	2120	53452.89	5.84		0	2255.93
3.00	Toluene	1	38.86				

Surrogate aaaTFT recovery is 106.%

Surrogate BFB recovery is 117.6%

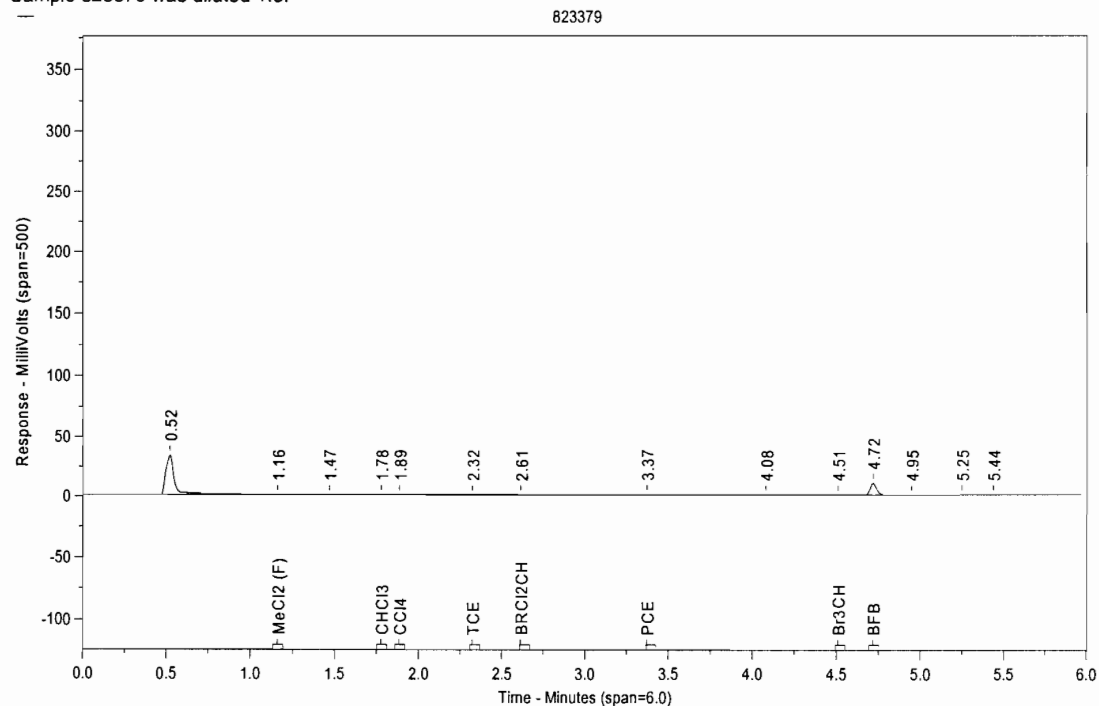
Chrom Perfect Chromatogram Report

Sample Name: 823379

Data File: C:\CPSpirit5\Data2\VoaE032010.0039.RAW

Acquired from Instrument 1 on 3/23/10 4:37:42 PM by

Sample 823379 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33480.94	3.37	PCE	1	390.13
1.16	MeCl2 (F)	16	65.30	4.08		0	24.70
1.47		0	46.02	4.51	Br3CH	0	28.62
1.78	CHCl3	0	34.74	4.72	BFB	2305	9790.46
1.89	CCl4	0	83.87	4.95		0	20.05
2.32	TCE	0	44.18	5.25		0	13.56
2.61	BRCI2CH	0	29.01	5.44		0	28.99

Surrogate BFB recovery is 115.3%

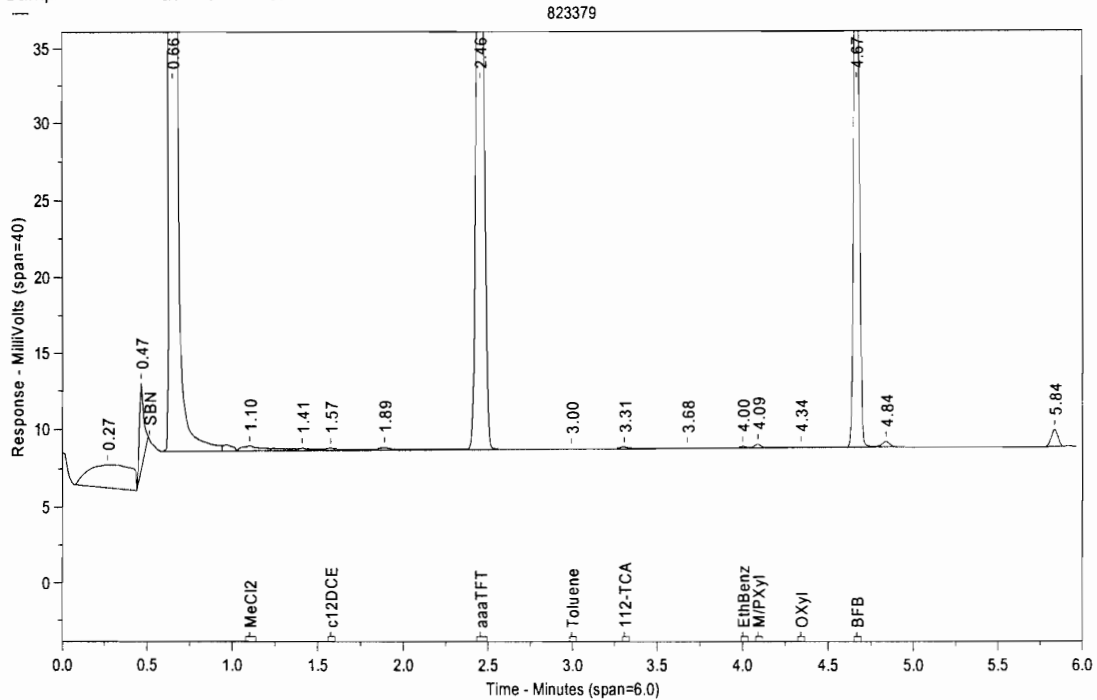
Chrom Perfect Chromatogram Report

Sample Name: 823379

Data File: C:\CPSpirit5\Data2\VoaF032010.0039.RAW

Acquired from Instrument 1 on 3/23/10 4:37:42 PM by

Sample 823379 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1496.52	3.31	112-TCA	-3	135.15
0.47		0	5641.63	3.68		0	91.19
0.66		0	657932.19	4.00	EthBenz	1	113.24
1.10	MeCl2	26	319.57	4.09	M/PyXyl	0	263.17
1.41		0	156.63	4.34	OXyl	0	91.44
1.57	c12DCE	11	154.93	4.67	BFB	2367	48582.36
1.89		0	173.74	4.84		0	345.75
2.46	aaaTFT	2116	53355.22	5.84		0	1081.37
3.00	Toluene	1	50.15				

Surrogate aaaTFT recovery is 105.8%

Surrogate BFB recovery is 118.3%

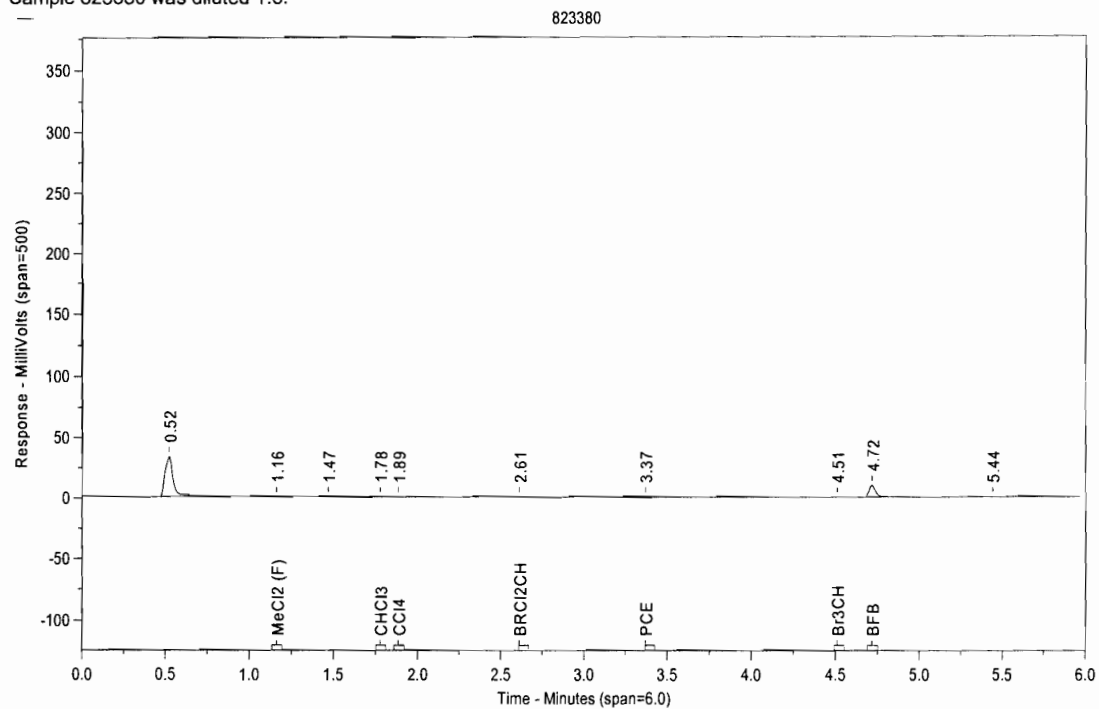
Chrom Perfect Chromatogram Report

Sample Name: 823380

Data File: C:\CPSpirit5\Data2\VoaE032010.0040.RAW

Acquired from Instrument 1 on 3/23/10 4:49:20 PM by

Sample 823380 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33504.66	2.61	BRCI2CH	0	19.40
1.16	MeCl2 (F)	16	65.10	3.37	PCE	0	52.52
1.47		0	45.71	4.51	Br3CH	0	27.78
1.78	CHCl3	0	31.06	4.72	BFB	2217	9462.53
1.89	CCl4	0	78.44	5.44	BFB	0	26.60

Surrogate BFB recovery is 110.8%

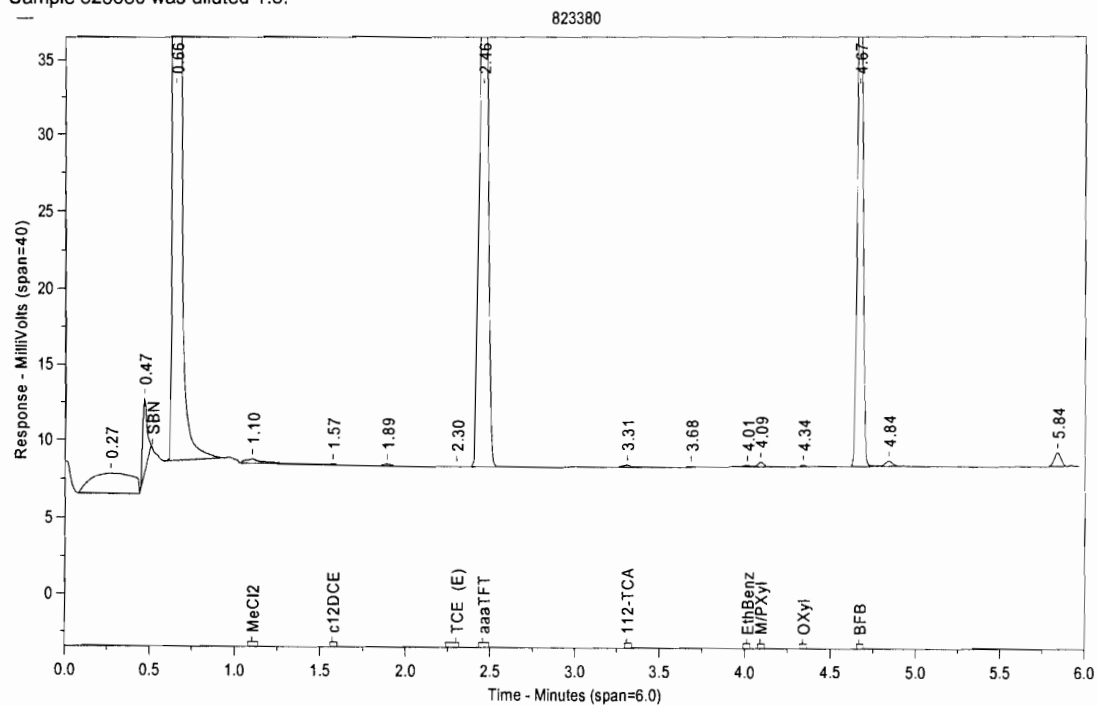
Chrom Perfect Chromatogram Report

Sample Name: 823380

Data File: C:\CPSpirit5\Data2\VoaF032010.0040.RAW

Acquired from Instrument 1 on 3/23/10 4:49:20 PM by

Sample 823380 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1286.73	3.31	112-TCA	-1	138.85
0.47		0	5160.23	3.68		0	82.41
0.66		0	636963.94	4.01	EthBenz	0	84.91
1.10	MeCl2	20	285.25	4.09	M/PXyl	0	294.65
1.57	c12DCE	4	75.01	4.34	OXyl	0	93.74
1.89		0	122.80	4.67	BFB	2258	46354.20
2.30	TCE (E)	3	37.69	4.84		0	327.83
2.46	aaaTFT	2060	51935.18	5.84		0	905.52

Surrogate aaaTFT recovery is 103.0%

Surrogate BFB recovery is 112.9%

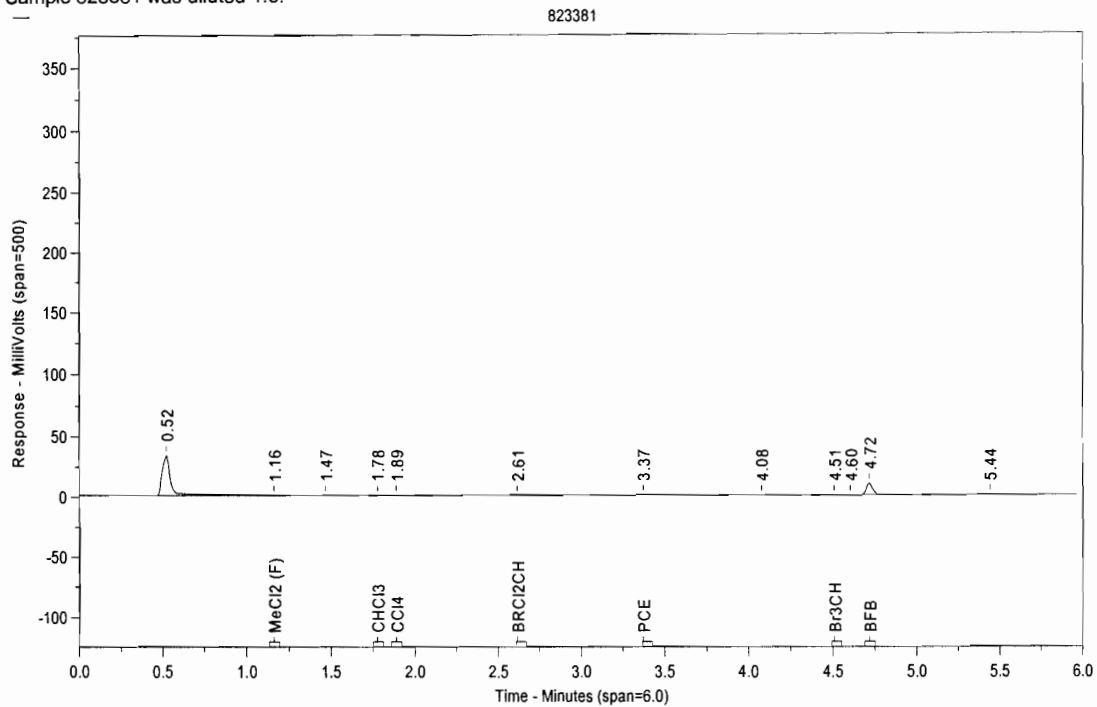
Chrom Perfect Chromatogram Report

Sample Name: 823381

Data File: C:\CPSpirit5\Data2\VoaE032010.0041.RAW

Acquired from Instrument 1 on 3/23/10 5:00:58 PM by

Sample 823381 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33532.79	3.37	PCE	1	422.07
1.16	MeCl2 (F)	16	65.54	4.08		0	24.02
1.47		0	48.27	4.51	Br3CH	0	26.03
1.78	CHCl3	0	35.91	4.60		0	42.35
1.89	CCl4	0	84.29	4.72	BFB	2235	9530.66
2.61	BRCI2CH	0	20.88	5.44		0	25.53

Surrogate BFB recovery is 111.8%

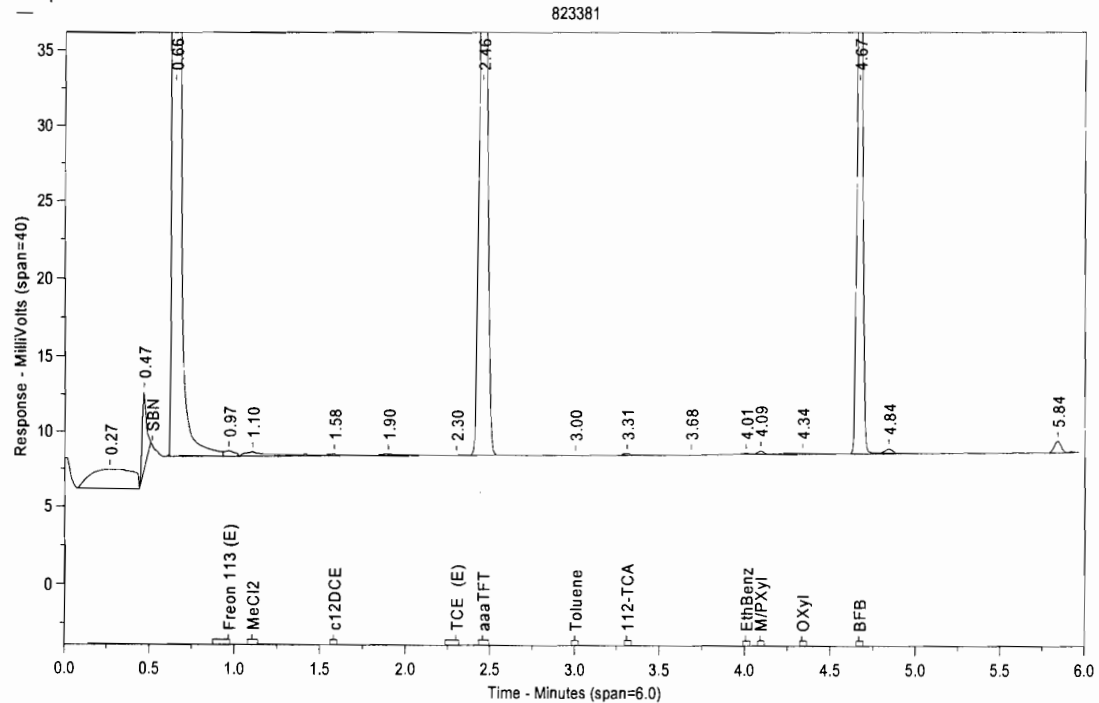
Chrom Perfect Chromatogram Report

Sample Name: 823381

Data File: C:\CPSpirit5\Data2\VoaF032010.0041.RAW

Acquired from Instrument 1 on 3/23/10 5:00:58 PM by

Sample 823381 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1315.79	3.00	Toluene	1	45.05
0.47		0	5399.96	3.31	112-TCA	-9	112.99
0.66		0	626604.00	3.68		0	87.83
0.97	Freon 113 (E)	73	365.31	4.01	EthBenz	0	70.70
1.10	MeCl2	22	295.94	4.09	M/PyXyl	-1	219.89
1.58	c12DCE	8	122.27	4.34	OXyl	-1	69.65
1.90		0	116.01	4.67	BFB	2268	46564.20
2.30	TCE (E)	4	44.98	4.84		0	293.69
2.46	aaaTFT	2079	52429.96	5.84		0	775.18

Surrogate aaaTFT recovery is 104.4%

Surrogate BFB recovery is 113.4%

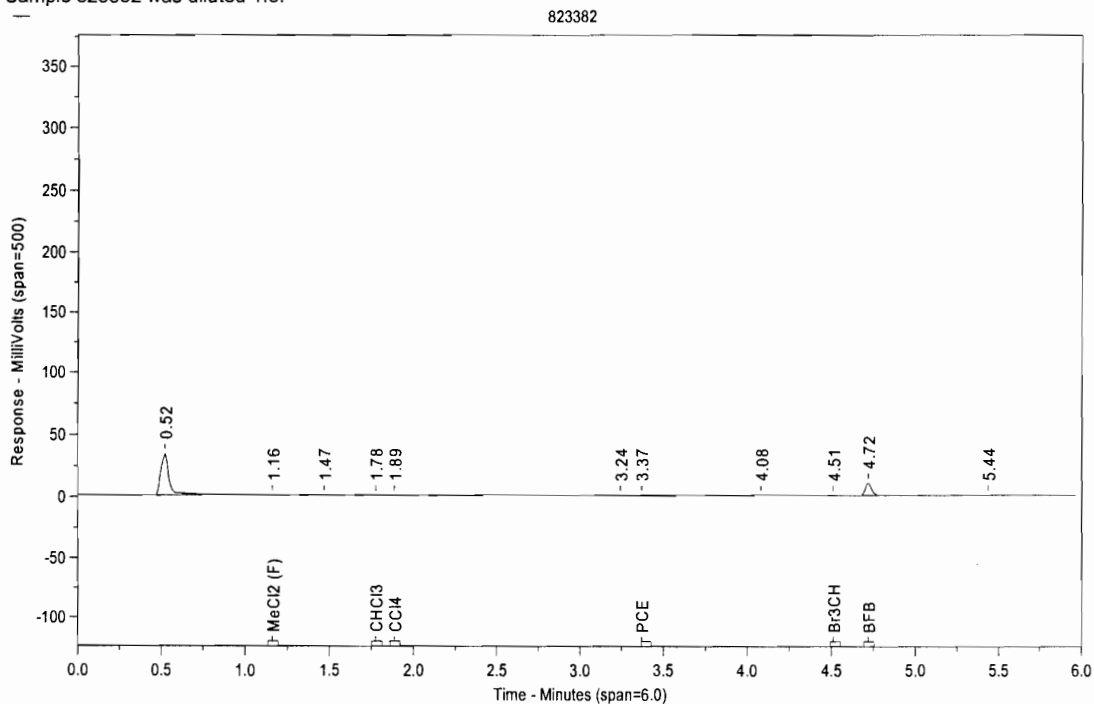
Chrom Perfect Chromatogram Report

Sample Name: 823382

Data File: C:\CPSpirit5\Data2\VoaE032010.0042.RAW

Acquired from Instrument 1 on 3/23/10 5:12:34 PM by

Sample 823382 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33640.50	3.37	PCE	0	51.90
1.16	MeCl2 (F)	17	67.72	4.08		0	25.08
1.47		0	46.29	4.51	Br3CH	0	29.11
1.78	CHCl3	0	34.68	4.72	BFB	2340	9917.89
1.89	CCl4	0	82.67	5.44		0	29.61
3.24		0	5.98				

Surrogate BFB recovery is 117.%

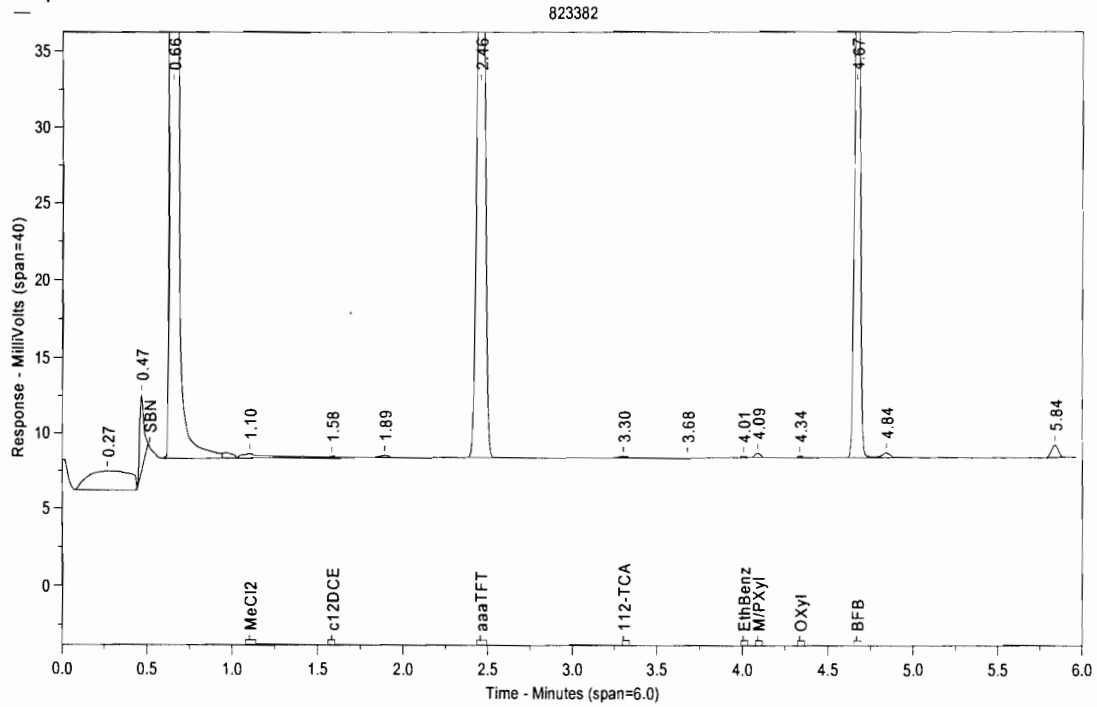
Chrom Perfect Chromatogram Report

Sample Name: 823382

Data File: C:\CPSpirit5\Data2\VoaF032010.0042.RAW

Acquired from Instrument 1 on 3/23/10 5:12:34 PM by

Sample 823382 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1267.94	3.68		0	93.47
0.47		0	5304.53	4.01	EthBenz	0	82.18
0.66		0	655394.88	4.09	M/PyXyl	0	282.78
1.10	MeCl2	24	307.70	4.34	OXyl	0	100.70
1.58	c12DCE	7	103.12	4.67	BFB	2366	48572.65
1.89		0	158.60	4.84		0	317.62
2.46	aaaTFT	2151	54250.36	5.84		0	821.44
3.30	112-TCA	-6	124.88				

Surrogate aaaTFT recovery is 107.6%

Surrogate BFB recovery is 118.3%

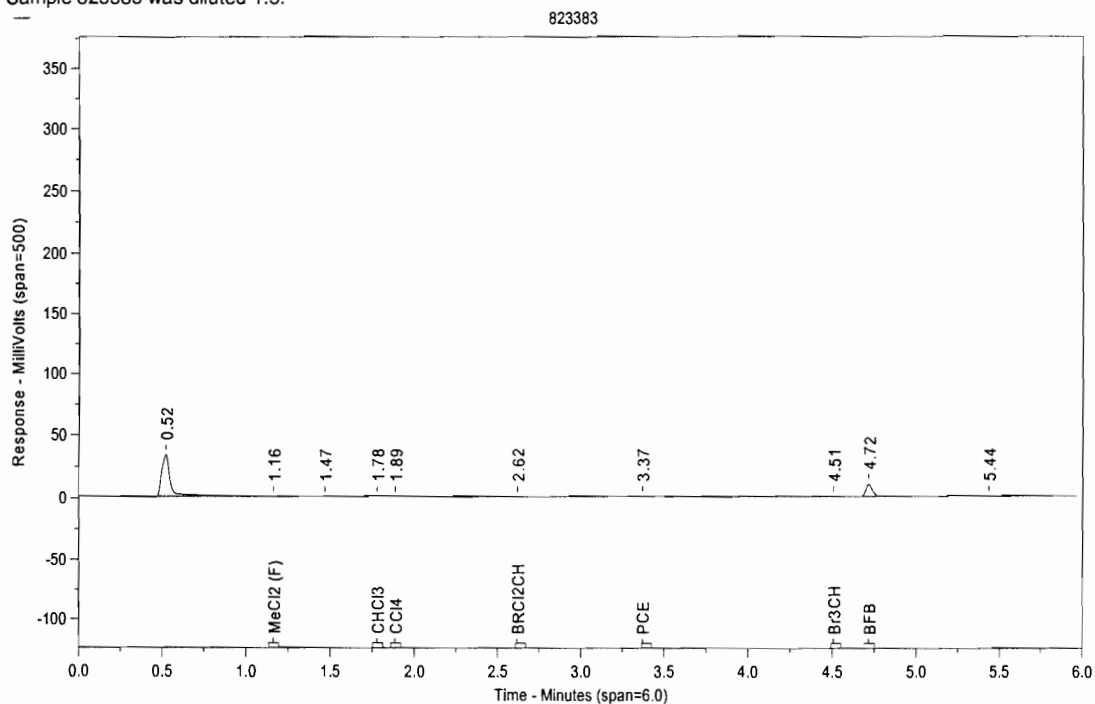
Chrom Perfect Chromatogram Report

Sample Name: 823383

Data File: C:\CPSpirit5\Data2\VoaE032010.0043.RAW

Acquired from Instrument 1 on 3/23/10 5:24:05 PM by

Sample 823383 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33488.41	2.62	BRCI2CH	0	26.03
1.16	MeCl2 (F)	16	65.23	3.37	PCE	1	331.16
1.47		0	46.42	4.51	Br3CH	0	27.86
1.78	CHCl3	0	33.87	4.72	BFB	2210	9437.24
1.89	CCl4	0	78.00	5.44		0	26.88

Surrogate BFB recovery is 110.5%

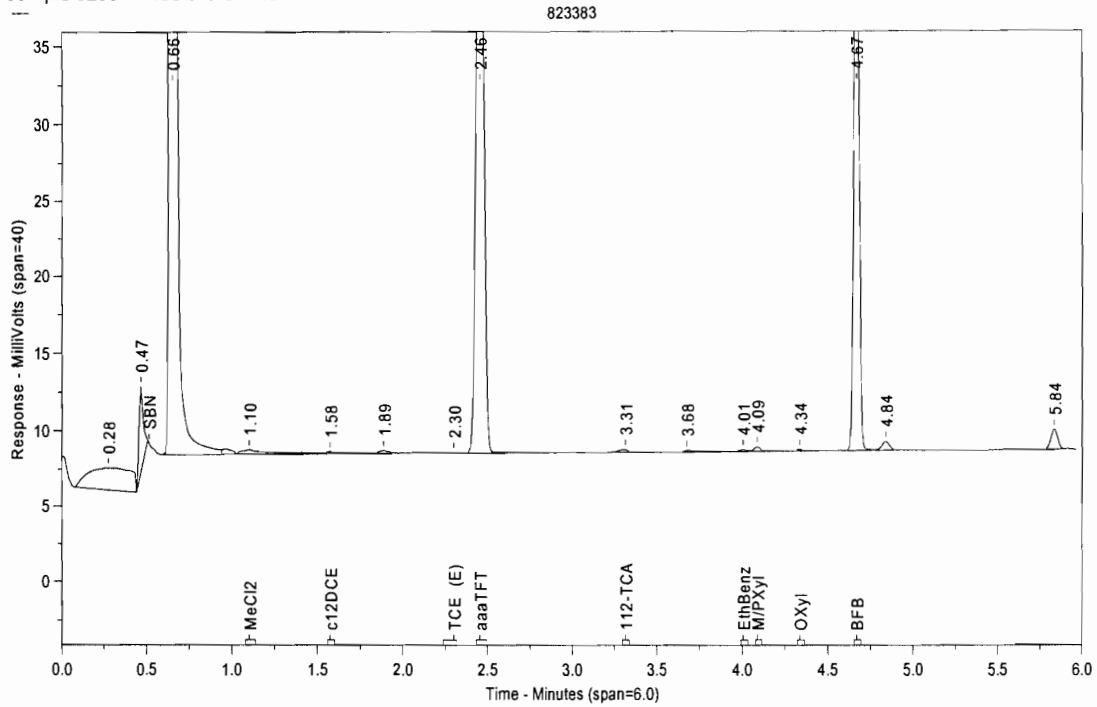
Chrom Perfect Chromatogram Report

Sample Name: 823383

Data File: C:\CPSpirit5\Data2\VoaF032010.0043.RAW

Acquired from Instrument 1 on 3/23/10 5:24:05 PM by

Sample 823383 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1464.03	3.31	112-TCA	14	191.15
0.47		0	5661.23	3.68		0	104.63
0.66		0	642758.75	4.01	EthBenz	1	125.10
1.10	MeCl2	21	289.37	4.09	M/PyXyl	0	288.86
1.58	c12DCE	7	109.99	4.34	OXyl	0	107.32
1.89		0	173.39	4.67	BFB	2243	46038.90
2.30	TCE (E)	3	39.33	4.84		0	552.91
2.46	aaaTFT	2052	51742.15	5.84		0	1282.58

Surrogate aaaTFT recovery is 102.6%

Surrogate BFB recovery is 112.1%

TestAmerica Burlington - Manual Integration Summary
SDG: 136458 Fraction: Volatile

Lab Sample ID	Client		Sample Type	Inst.	Column	Analysis Date		Filename	Analyst	Date-Time	Sign-Off
	Peak RT	Sample ID				Manual	Integration Flag				
823377	D5 1.5HIGH	SAMPLE	J DB-624	26-MAR-2010 13:38	823377	M11 - Poor automated baseline	mtp 03/26/10 14:22	mtp 03/26/10 14:22	mtp	03/26/10 14:22	MTP 3/30/10
	\$ 1.593	Vinyl chloride-d3									
823378	D5 1.5MEDIUM	SAMPLE	J DB-624	26-MAR-2010 14:06	823378	M11 - Poor automated baseline	jdl 03/29/10 13:10	jdl 03/29/10 13:10	jdl	03/29/10 13:10	JPD 03/29/10
	\$ 1.593	Vinyl chloride-d3									
823379	D51.5MEDIUMD	SAMPLE	J DB-624	26-MAR-2010 14:34	823379	M11 - Poor automated baseline	mtp 03/26/10 15:18	mtp 03/26/10 15:18	mtp	03/26/10 15:18	MTP 3/30/10
	\$ 1.593	Vinyl chloride-d3									
823380	D5 1.75HIGH	SAMPLE	J DB-624	26-MAR-2010 15:02	823380	M11 - Poor automated baseline	mtp 03/26/10 15:23	mtp 03/26/10 15:23	mtp	03/26/10 15:23	
	\$ 1.593	Vinyl chloride-d3									
823381	D51.75MEDIUM	SAMPLE	J DB-624	26-MAR-2010 15:31	823381	M11 - Poor automated baseline	mtp 03/26/10 15:57	mtp 03/26/10 15:57	mtp	03/26/10 15:57	
	\$ 1.593	Vinyl chloride-d3									
823382	D5 2 HIGH	SAMPLE	J DB-624	26-MAR-2010 15:59	823382	M11 - Poor automated baseline	jdl 03/29/10 13:18	jdl 03/29/10 13:18	jdl	03/29/10 13:18	JPD 03/29/10
	\$ 1.593	Vinyl chloride-d3									
823383	D5 2 MEDIUM	SAMPLE	J DB-624	26-MAR-2010 16:27	823383	M11 - Poor automated baseline	jdl 03/29/10 13:20	jdl 03/29/10 13:20	jdl	03/29/10 13:20	
	\$ 1.593	Vinyl chloride-d3									
823384	TRIP BLANK	SAMPLE	J DB-624	26-MAR-2010 16:55	823384	M11 - Poor automated baseline	jdl 03/29/10 13:24	jdl 03/29/10 13:24	jdl	03/29/10 13:24	
	\$ 1.593	Vinyl chloride-d3									
823377D1	D5 1.5HIGHDL	SAMPLE	J DB-624	26-MAR-2010 17:24	823377D	M11 - Poor automated baseline	jdl 03/29/10 13:02	jdl 03/29/10 13:02	jdl	03/29/10 13:02	
	\$ 1.593	Vinyl chloride-d3									

TestAmerica Burlington - Manual Integration Summary
SDG: 136458 Fraction: Volatile

Lab Sample ID	Client		Sample Type	Inst.	Column	Analysis Date		Filename	Manual Integration Flag		Analyst	Date-Time	Sign-Off
	Peak RT	Sample ID				Compound							
823376	D5 CONTROL	SAMPLE		J	DB-624	26-MAR-2010 17:52		823376D2			jd1	03/29/10 12:28	JPD 03/29/10
	\$ 1.593	Vinyl chloride-d3				M11 - Poor automated baseline							
VBLKJU	BLANK			J	DB-624	26-MAR-2010 20:29		JANB02B			jd1	03/29/10 14:15	↓
	\$ 1.593	Vinyl chloride-d3				M11 - Poor automated baseline							
VSTD005UJ	CONT. CALIB.			J	DB-624	27-MAR-2010 02:59		JAN05BC1					MW 3/30/10
	1.380	Dichlorodifluoromethane				M11 - Poor automated baseline					mrsv	03/27/10 07:43	
	\$ 1.593	Vinyl chloride-d3				M11 - Poor automated baseline					mrsv	03/27/10 07:43	
	1.599	Vinyl chloride				M11 - Poor automated baseline					mrsv	03/27/10 07:43	
	1.855	Bromomethane				M11 - Poor automated baseline					mrsv	03/27/10 07:43	



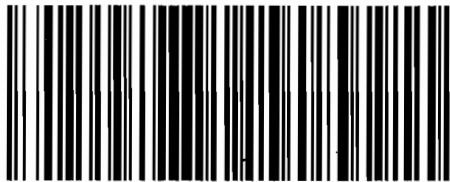
Sample Handling

RACYTORRES 30 LBS 1 OF 2
6097142420
PANTHER TECHNOLOGIES, INC. DWT:21,15,14
220 ROUTE 70 EAST
MEDFORD NJ 08055

SHIP TO:
SAMPLE RECEIVING
8026601990
TESTAMERICA
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403-6834



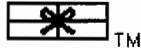
JPS EARLY A.M. 1+
RACKING #: 1Z RA7 732 15 9725 7944



BILLING: P/P

Reference#1: J303001
Reference#2: Bench Scale

UIS 12.0.23. WXP1E80 99.0A 01/2010

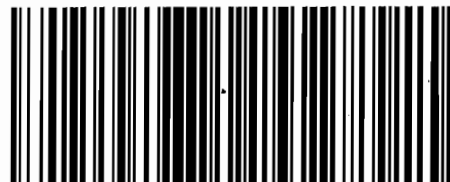


TRACYTORRES 30 LBS 2 OF 2
6097142420
PANTHER TECHNOLOGIES, INC. DWT:21,15,14
220 ROUTE 70 EAST
MEDFORD NJ 08055

SHIP TO:
SAMPLE RECEIVING
8026601990
TESTAMERICA
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403-6834



UPS EARLY A.M. 1+
TRACKING #: 1Z RA7 732 15 9553 1150



BILLING: P/P

Reference#1: J303001
Reference#2: Bench Scale

UIS 12.0.23. WXP1E80 99.0A 01/2010



TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

Client: PANTRA	Date Received: 3/23/10	Log In Date: 03/23/10
ETR: 136458	Time Received: 0805	By: [Signature]
SDG: 136458	Received By: [Signature]	Signature: [Signature]
Project: 29000	# Coolers Received: 2	PM Signature: [Signature]
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 3/24/10
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: ☒ Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)				
IR Gun ID: 96	Correction Factor (CF) = -2 °C			
Cooler 1: 1.2 °C	Cooler 6	Cooler 11	Cooler 16	°C
Cooler 2: 1.3 °C	Cooler 7	Cooler 12	Cooler 17	°C
Cooler 3: °C	Cooler 8	Cooler 13	Cooler 18	°C
Cooler 4: °C	Cooler 9	Cooler 14	Cooler 19	°C
Cooler 5: °C	Cooler 10	Cooler 15	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
Received 3 40ml HCl pres. vials w/ 20ml D=5.1.5% Medium - D not listed on COC. Sample labeled as a DUP per client email, see attached.
TRIP BLANK lists date of 03/12/10 in labels, logged w/ date of 03/19 from COC.
COC appx. list tie of 1058 for 1.5% High, labels rec'd 1050, sample logged w/ the R labels.

Carabillo, Joseph

From: Kevin Dyson [kdyson@panthertech.com]
Sent: Tuesday, March 23, 2010 12:35 PM
To: Carabillo, Joseph
Subject: Re: Samples for Last Satutday Delivery

Those are duplicates of the same timepoint...they should be run for TAL VOAs.

----- Original Message -----

From: Carabillo, Joseph <Joseph.Carabillo@testamericainc.com>
To: Kevin Dyson; Charles Elmendorf; Tracy Torres
Cc: Matot, Wade <Wade.Matot@testamericainc.com>
Sent: Tue Mar 23 12:16:31 2010
Subject: RE: Samples for Last Satutday Delivery

The samples have been received in good order. One item for clarification:

Sample: D= 5 1.5% Medium 3/19/10 @ 11:30am: A total of 6 vials were received; 3 of which had a "D" appended to the end of the ID.

How are these additional vials to be handled?

Joseph Carabillo
Project Manager

802.923.1038

From: Tracy Torres [mailto:ttorres@panthertech.com]
Sent: Monday, March 22, 2010 9:59 AM
To: Carabillo, Joseph
Cc: Kevin Dyson; Charles Elmendorf
Subject: Samples for Last Satutday Delivery
Importance: High

Please find attached the chain of custody as requested.

Thank you.

Tracy Lynn Torres

Purchasing / Shipping

Panther Technologies, Inc.

220 Route 70 East, Suite B

Medford, NJ 08055

P: (609) 714-2420

F: (609) 714-2495

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From: Carabillo, Joseph [mailto:Joseph.Carabillo@testamericainc.com]
Sent: Monday, March 22, 2010 9:34 AM
To: Tracy Torres
Cc: Kevin Dyson; Charles Elmendorf
Subject: RE: Samples for Last Saturday Delivery

Thank you for the notice Tracey.

Please email copies of the COCs today so that we may coordinate the incoming samples in advance?

Thanks

Joseph Carabillo
Project Manager

802.923.1038

From: Tracy Torres [mailto:ttorres@panthertech.com]
Sent: Monday, March 22, 2010 9:31 AM
To: Carabillo, Joseph
Cc: Kevin Dyson; Charles Elmendorf
Subject: Samples for Last Saturday Delivery
Importance: High

Hello Joe,

There was supposed to be two coolers delivered to you on Saturday 3/20/10 however, I made a mistake with the shipping

labels and they were not delivered. They will be there tomorrow morning by 8:30am. It is my understanding that there will need to be

a shorter hold time due to the shipping issue.

Tracy Lynn Torres
Purchasing / Shipping

Panther Technologies, Inc.

220 Route 70 East, Suite B

Medford, NJ 08055

P: (609) 714-2420

F: (609) 714-2495

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Subcontract Data

ANALYTICAL REPORT

Job Number: 680-56085-1

SDG Number: 136458

Job Description: Lawrence Aviation Industry Site

For:

TestAmerica Laboratories, Inc.

30 Community Drive

Suite 11

South Burlington, VT 05403

Attention: Mr. Joseph Carabillo



Approved for release.
Lidya Gulizia
Project Manager I
3/31/2010 4:48 PM

Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

03/31/2010

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



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Job Narrative
680-56085-1 / TA Burlington 136458

Receipt

All samples were received in good condition within temperature requirements.

General Chemistry

Method(s) 300.0: The following sample(s) was diluted due to appearance and color: D=5 1.5% High (680-56085-2), D=5 1.5% Medium (680-56085-3), D=5 1.75% High (680-56085-4), D=5 1.75% Medium (680-56085-5), D=5 2% High (680-56085-6), D=5 2% Medium (680-56085-7) Elevated reporting limits (RL) are provided.

No other analytical or quality issues were noted.

Comments

No additional comments.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-56085-1	D=5 Control	Water	03/19/2010 0930	03/24/2010 0927
680-56085-2	D=5 1.5% High	Water	03/19/2010 1058	03/24/2010 0927
680-56085-3	D=5 1.5% Medium	Water	03/19/2010 1130	03/24/2010 0927
680-56085-4	D=5 1.75% High	Water	03/19/2010 1155	03/24/2010 0927
680-56085-5	D=5 1.75% Medium	Water	03/19/2010 1230	03/24/2010 0927
680-56085-6	D=5 2% High	Water	03/19/2010 1455	03/24/2010 0927
680-56085-7	D=5 2% Medium	Water	03/19/2010 1520	03/24/2010 0927

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

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: 680-56085-1

Sdg Number: 136458

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

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

General Chemistry**Client Sample ID: D=5 Control**

Lab Sample ID: 680-56085-1

Date Sampled: 03/19/2010 0930

Client Matrix: Water

Date Received: 03/24/2010 0927

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	24		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1855					
Sulfate	35		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1855					
Total Organic Carbon	2.8		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-164066	Date Analyzed: 03/24/2010 1523					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	45		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-163895	Date Analyzed: 03/24/2010 1226					
Total Dissolved Solids	260		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-163831	Date Analyzed: 03/24/2010 1613					
Total Suspended Solids	22		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-163862	Date Analyzed: 03/24/2010 1151					

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

General Chemistry**Client Sample ID: D=5 1.5% High**

Lab Sample ID: 680-56085-2

Date Sampled: 03/19/2010 1058

Client Matrix: Water

Date Received: 03/24/2010 0927

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	22		mg/L	4.0	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1920					
Sulfate	28		mg/L	10	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1920					
Total Organic Carbon	3.1		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-164066	Date Analyzed: 03/24/2010 1542					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	38		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-163895	Date Analyzed: 03/24/2010 1155					
Total Dissolved Solids	400		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-163831	Date Analyzed: 03/24/2010 1613					
Total Suspended Solids	60		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-163862	Date Analyzed: 03/24/2010 1143					

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

General Chemistry**Client Sample ID: D=5 1.5% Medium**

Lab Sample ID: 680-56085-3

Date Sampled: 03/19/2010 1130

Client Matrix: Water

Date Received: 03/24/2010 0927

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	23		mg/L	4.0	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1932					
Sulfate	30		mg/L	10	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1932					
Total Organic Carbon	2.5		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-164066	Date Analyzed: 03/24/2010 1600					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	37		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-163895	Date Analyzed: 03/24/2010 1200					
Total Dissolved Solids	300		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-163831	Date Analyzed: 03/24/2010 1613					
Total Suspended Solids	140		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-163881	Date Analyzed: 03/24/2010 1158					

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

General Chemistry**Client Sample ID: D=5 1.75% High**

Lab Sample ID: 680-56085-4

Date Sampled: 03/19/2010 1155

Client Matrix: Water

Date Received: 03/24/2010 0927

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	22		mg/L	4.0	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010	1945				
Sulfate	30		mg/L	10	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010	1945				
Total Organic Carbon	2.9		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-164066	Date Analyzed: 03/24/2010	1614				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	37		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-163895	Date Analyzed: 03/24/2010	1205				
Total Dissolved Solids	400		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-163944	Date Analyzed: 03/24/2010	1618				
Total Suspended Solids	33		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-163881	Date Analyzed: 03/24/2010	1159				

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

General Chemistry**Client Sample ID: D=5 1.75% Medium**

Lab Sample ID: 680-56085-5

Date Sampled: 03/19/2010 1230

Client Matrix: Water

Date Received: 03/24/2010 0927

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	23		mg/L	4.0	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1957					
Sulfate	30		mg/L	10	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 1957					
Total Organic Carbon	3.8		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-164066	Date Analyzed: 03/24/2010 1629					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	39		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-163895	Date Analyzed: 03/24/2010 1211					
Total Dissolved Solids	280		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-163944	Date Analyzed: 03/24/2010 1618					
Total Suspended Solids	140		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-163881	Date Analyzed: 03/24/2010 1200					

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

General Chemistry**Client Sample ID: D=5 2% High**

Lab Sample ID: 680-56085-6

Date Sampled: 03/19/2010 1455

Client Matrix: Water

Date Received: 03/24/2010 0927

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	23		mg/L	4.0	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 2010					
Sulfate	31		mg/L	10	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 2010					
Total Organic Carbon	2.8		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-164066	Date Analyzed: 03/24/2010 1645					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	38		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-163895	Date Analyzed: 03/24/2010 1216					
Total Dissolved Solids	360		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-163944	Date Analyzed: 03/24/2010 1618					
Total Suspended Solids	30		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-163881	Date Analyzed: 03/24/2010 1205					

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

General Chemistry**Client Sample ID: D=5 2% Medium**

Lab Sample ID: 680-56085-7

Date Sampled: 03/19/2010 1520

Client Matrix: Water

Date Received: 03/24/2010 0927

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	23		mg/L	4.0	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 2022					
Sulfate	32		mg/L	10	20	20	300.0
	Analysis Batch: 680-164428	Date Analyzed: 03/29/2010 2022					
Total Organic Carbon	2.5		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-164066	Date Analyzed: 03/24/2010 1732					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	37		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-163895	Date Analyzed: 03/24/2010 1221					
Total Dissolved Solids	300		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-163944	Date Analyzed: 03/24/2010 1618					
Total Suspended Solids	50		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-163881	Date Analyzed: 03/24/2010 1201					

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Method Blank - Batch: 680-164428

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 680-164428/2
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 03/29/2010 1830
Date Prepared: N/A

Analysis Batch: 680-164428
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0031.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL

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

Lab Control Sample - Batch: 680-164428

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 680-164428/3
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 03/29/2010 1843
Date Prepared: N/A

Analysis Batch: 680-164428
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0032.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	48.8	98	90 - 110	
Sulfate	50.0	46.8	94	90 - 110	

Matrix Spike - Batch: 680-164428

Method: 300.0

Preparation: N/A

Lab Sample ID: 680-56085-1
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 03/29/2010 1908
Date Prepared: N/A

Analysis Batch: 680-164428
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0034.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL
1 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	24	50.0	75.5	104	90 - 110	
Sulfate	35	50.0	81.6	92	90 - 110	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Method Blank - Batch: 680-163895

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 680-163895/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1128
Date Prepared: N/A

Analysis Batch: 680-163895
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: N/A
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: 680-163895

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 680-163895/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1138
Date Prepared: N/A

Analysis Batch: 680-163895
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	514	501	97	80 - 120	

Duplicate - Batch: 680-163895

Method: SM 2320B

Preparation: N/A

Lab Sample ID: 680-56085-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1233
Date Prepared: N/A

Analysis Batch: 680-163895
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	45	48.0	6	30	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Method Blank - Batch: 680-163831

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 680-163831/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 0857
Date Prepared: N/A

Analysis Batch: 680-163831
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: 680-163831

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-163831/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 0857
Date Prepared: N/A

Analysis Batch: 680-163831
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 680-163831/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 0857
Date Prepared: N/A

Analysis Batch: 680-163831
Prep Batch: N/A
Units: mg/L

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Dissolved Solids	99	101	80 - 120	2	25		

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-163831

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-163831/2

Units: mg/L

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/24/2010 0857

Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-163831/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/24/2010 0857

Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	475	475	472	482

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Method Blank - Batch: 680-163944

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 680-163944/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1618
Date Prepared: N/A

Analysis Batch: 680-163944
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 - Batch: 680-163944

Method: SM 2540C

Preparation: N/A

Lab Sample ID: LCS 680-163944/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1618
Date Prepared: N/A

Analysis Batch: 680-163944
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	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	475	456	96	80 - 120	

Duplicate - Batch: 680-163944

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 680-56085-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1618
Date Prepared: N/A

Analysis Batch: 680-163944
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	280	282	1	25	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Method Blank - Batch: 680-163862

Method: SM 2540D

Preparation: N/A

Lab Sample ID: MB 680-163862/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1106
Date Prepared: N/A

Analysis Batch: 680-163862
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: 680-163862

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-163862/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1106
Date Prepared: N/A

Analysis Batch: 680-163862
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 680-163862/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1106
Date Prepared: N/A

Analysis Batch: 680-163862
Prep Batch: N/A
Units: mg/L

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Suspended Solids	102	104	80 - 120	2	25		

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-163862

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-163862/2 Units: mg/L

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/24/2010 1106

Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-163862/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/24/2010 1106

Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	102	104

Duplicate - Batch: 680-163862

Method: SM 2540D

Preparation: N/A

Lab Sample ID: 680-56085-2

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/24/2010 1145

Date Prepared: N/A

Analysis Batch: 680-163862

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	Sample Result/Qual	Result	RPD	Limit	Qual
Total Suspended Solids	60	64.0	6	25	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Method Blank - Batch: 680-163881

Method: SM 2540D

Preparation: N/A

Lab Sample ID: MB 680-163881/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1207
Date Prepared: N/A

Analysis Batch: 680-163881
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: 680-163881

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-163881/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1156
Date Prepared: N/A

Analysis Batch: 680-163881
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 680-163881/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1156
Date Prepared: N/A

Analysis Batch: 680-163881
Prep Batch: N/A
Units: mg/L

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Suspended Solids	105	104	80 - 120	0	25		

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-163881

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-163881/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1156
Date Prepared: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 680-163881/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1156
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	105	104

Duplicate - Batch: 680-163881

Method: SM 2540D

Preparation: N/A

Lab Sample ID: 680-56085-7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2010 1201
Date Prepared: N/A

Analysis Batch: 680-163881
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	Sample Result/Qual	Result	RPD	Limit	Qual
Total Suspended Solids	50	53.5	6	25	

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

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Method Blank - Batch: 680-164066

Method: SM 5310B

Preparation: N/A

Lab Sample ID: MB 680-164066/2

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/24/2010 1402

Date Prepared: N/A

Analysis Batch: 680-164066

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: 680-164066

Method: SM 5310B

Preparation: N/A

Lab Sample ID: LCS 680-164066/4

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 03/24/2010 1438

Date Prepared: N/A

Analysis Batch: 680-164066

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	18.9	94	80 - 120	

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

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

Lab Section	Qualifier	Description
General Chemistry	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-163831					
LCS 680-163831/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 680-163831/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 680-163831/1	Method Blank	T	Water	SM 2540C	
680-56085-1	D=5 Control	T	Water	SM 2540C	
680-56085-2	D=5 1.5% High	T	Water	SM 2540C	
680-56085-3	D=5 1.5% Medium	T	Water	SM 2540C	
Analysis Batch:680-163862					
LCS 680-163862/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-163862/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-163862/1	Method Blank	T	Water	SM 2540D	
680-56085-1	D=5 Control	T	Water	SM 2540D	
680-56085-2	D=5 1.5% High	T	Water	SM 2540D	
680-56085-2DU	Duplicate	T	Water	SM 2540D	
Analysis Batch:680-163881					
LCS 680-163881/1	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-163881/2	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-163881/9	Method Blank	T	Water	SM 2540D	
680-56085-3	D=5 1.5% Medium	T	Water	SM 2540D	
680-56085-4	D=5 1.75% High	T	Water	SM 2540D	
680-56085-5	D=5 1.75% Medium	T	Water	SM 2540D	
680-56085-6	D=5 2% High	T	Water	SM 2540D	
680-56085-7	D=5 2% Medium	T	Water	SM 2540D	
680-56085-7DU	Duplicate	T	Water	SM 2540D	
Analysis Batch:680-163895					
LCS 680-163895/7	Lab Control Sample	T	Water	SM 2320B	
MB 680-163895/6	Method Blank	T	Water	SM 2320B	
680-56085-1	D=5 Control	T	Water	SM 2320B	
680-56085-1DU	Duplicate	T	Water	SM 2320B	
680-56085-2	D=5 1.5% High	T	Water	SM 2320B	
680-56085-3	D=5 1.5% Medium	T	Water	SM 2320B	
680-56085-4	D=5 1.75% High	T	Water	SM 2320B	
680-56085-5	D=5 1.75% Medium	T	Water	SM 2320B	
680-56085-6	D=5 2% High	T	Water	SM 2320B	
680-56085-7	D=5 2% Medium	T	Water	SM 2320B	

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

Sdg Number: 136458

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-163944					
LCS 680-163944/2	Lab Control Sample	T	Water	SM 2540C	
MB 680-163944/1	Method Blank	T	Water	SM 2540C	
680-56085-4	D=5 1.75% High	T	Water	SM 2540C	
680-56085-5	D=5 1.75% Medium	T	Water	SM 2540C	
680-56085-5DU	Duplicate	T	Water	SM 2540C	
680-56085-6	D=5 2% High	T	Water	SM 2540C	
680-56085-7	D=5 2% Medium	T	Water	SM 2540C	
Analysis Batch:680-164066					
LCS 680-164066/4	Lab Control Sample	T	Water	SM 5310B	
MB 680-164066/2	Method Blank	T	Water	SM 5310B	
680-56085-1	D=5 Control	T	Water	SM 5310B	
680-56085-2	D=5 1.5% High	T	Water	SM 5310B	
680-56085-3	D=5 1.5% Medium	T	Water	SM 5310B	
680-56085-4	D=5 1.75% High	T	Water	SM 5310B	
680-56085-5	D=5 1.75% Medium	T	Water	SM 5310B	
680-56085-6	D=5 2% High	T	Water	SM 5310B	
680-56085-7	D=5 2% Medium	T	Water	SM 5310B	
Analysis Batch:680-164428					
LCS 680-164428/3	Lab Control Sample	T	Water	300.0	
MB 680-164428/2	Method Blank	T	Water	300.0	
680-56085-1	D=5 Control	T	Water	300.0	
680-56085-1MS	Matrix Spike	T	Water	300.0	
680-56085-2	D=5 1.5% High	T	Water	300.0	
680-56085-3	D=5 1.5% Medium	T	Water	300.0	
680-56085-4	D=5 1.75% High	T	Water	300.0	
680-56085-5	D=5 1.75% Medium	T	Water	300.0	
680-56085-6	D=5 2% High	T	Water	300.0	
680-56085-7	D=5 2% Medium	T	Water	300.0	

Report Basis

T = Total

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

SDG: 136458

Laboratory Chronicle

Lab ID: 680-56085-1

Client ID: D=5 Control

Sample Date/Time: 03/19/2010 09:30

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-A-1		680-164428		03/29/2010 18:55	5	TAL SAV	CB
A:SM 2320B	680-56085-B-1		680-163895		03/24/2010 12:26	1	TAL SAV	JV
A:SM 2540C	680-56085-A-1		680-163831		03/24/2010 16:13	1	TAL SAV	MSJ
A:SM 2540D	680-56085-A-1		680-163862		03/24/2010 11:51	1	TAL SAV	MSJ
A:SM 5310B	680-56085-C-1		680-164066		03/24/2010 15:23	1	TAL SAV	KB

Lab ID: 680-56085-1 MS

Client ID: D=5 Control

Sample Date/Time: 03/19/2010 09:30

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-A-1 MS		680-164428		03/29/2010 19:08	5	TAL SAV	CB

Lab ID: 680-56085-1 DU

Client ID: D=5 Control

Sample Date/Time: 03/19/2010 09:30

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2320B	680-56085-B-1 DU		680-163895		03/24/2010 12:33	1	TAL SAV	JV

Lab ID: 680-56085-2

Client ID: D=5 1.5% High

Sample Date/Time: 03/19/2010 10:58

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-A-2		680-164428		03/29/2010 19:20	20	TAL SAV	CB
A:SM 2320B	680-56085-B-2		680-163895		03/24/2010 11:55	1	TAL SAV	JV
A:SM 2540C	680-56085-A-2		680-163831		03/24/2010 16:13	1	TAL SAV	MSJ
A:SM 2540D	680-56085-A-2		680-163862		03/24/2010 11:43	1	TAL SAV	MSJ
A:SM 5310B	680-56085-C-2		680-164066		03/24/2010 15:42	1	TAL SAV	KB

Lab ID: 680-56085-2 DU

Client ID: D=5 1.5% High

Sample Date/Time: 03/19/2010 10:58

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540D	680-56085-A-2 DU		680-163862		03/24/2010 11:45	1	TAL SAV	MSJ

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

SDG: 136458

Laboratory Chronicle

Lab ID: 680-56085-3

Client ID: D=5 1.5% Medium

Sample Date/Time: 03/19/2010 11:30

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-B-3		680-164428		03/29/2010 19:32	20	TAL SAV	CB
A:SM 2320B	680-56085-A-3		680-163895		03/24/2010 12:00	1	TAL SAV	JV
A:SM 2540C	680-56085-B-3		680-163831		03/24/2010 16:13	1	TAL SAV	MSJ
A:SM 2540D	680-56085-B-3		680-163881		03/24/2010 11:58	1	TAL SAV	MSJ
A:SM 5310B	680-56085-C-3		680-164066		03/24/2010 16:00	1	TAL SAV	KB

Lab ID: 680-56085-4

Client ID: D=5 1.75% High

Sample Date/Time: 03/19/2010 11:55

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-A-4		680-164428		03/29/2010 19:45	20	TAL SAV	CB
A:SM 2320B	680-56085-B-4		680-163895		03/24/2010 12:05	1	TAL SAV	JV
A:SM 2540C	680-56085-A-4		680-163944		03/24/2010 16:18	1	TAL SAV	MSJ
A:SM 2540D	680-56085-A-4		680-163881		03/24/2010 11:59	1	TAL SAV	MSJ
A:SM 5310B	680-56085-C-4		680-164066		03/24/2010 16:14	1	TAL SAV	KB

Lab ID: 680-56085-5

Client ID: D=5 1.75% Medium

Sample Date/Time: 03/19/2010 12:30

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-B-5		680-164428		03/29/2010 19:57	20	TAL SAV	CB
A:SM 2320B	680-56085-A-5		680-163895		03/24/2010 12:11	1	TAL SAV	JV
A:SM 2540C	680-56085-B-5		680-163944		03/24/2010 16:18	1	TAL SAV	MSJ
A:SM 2540D	680-56085-B-5		680-163881		03/24/2010 12:00	1	TAL SAV	MSJ
A:SM 5310B	680-56085-C-5		680-164066		03/24/2010 16:29	1	TAL SAV	KB

Lab ID: 680-56085-5 DU

Client ID: D=5 1.75% Medium

Sample Date/Time: 03/19/2010 12:30

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	680-56085-B-5 DU		680-163944		03/24/2010 16:18	1	TAL SAV	MSJ

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1
SDG: 136458

Laboratory Chronicle

Lab ID: 680-56085-6

Client ID: D=5 2% High

Sample Date/Time: 03/19/2010 14:55

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-B-6		680-164428		03/29/2010 20:10	20	TAL SAV	CB
A:SM 2320B	680-56085-A-6		680-163895		03/24/2010 12:16	1	TAL SAV	JV
A:SM 2540C	680-56085-B-6		680-163944		03/24/2010 16:18	1	TAL SAV	MSJ
A:SM 2540D	680-56085-B-6		680-163881		03/24/2010 12:05	1	TAL SAV	MSJ
A:SM 5310B	680-56085-C-6		680-164066		03/24/2010 16:45	1	TAL SAV	KB

Lab ID: 680-56085-7

Client ID: D=5 2% Medium

Sample Date/Time: 03/19/2010 15:20

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-56085-A-7		680-164428		03/29/2010 20:22	20	TAL SAV	CB
A:SM 2320B	680-56085-B-7		680-163895		03/24/2010 12:21	1	TAL SAV	JV
A:SM 2540C	680-56085-A-7		680-163944		03/24/2010 16:18	1	TAL SAV	MSJ
A:SM 2540D	680-56085-A-7		680-163881		03/24/2010 12:01	1	TAL SAV	MSJ
A:SM 5310B	680-56085-C-7		680-164066		03/24/2010 17:32	1	TAL SAV	KB

Lab ID: 680-56085-7 DU

Client ID: D=5 2% Medium

Sample Date/Time: 03/19/2010 15:20

Received Date/Time: 03/24/2010 09:27

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540D	680-56085-A-7 DU		680-163881		03/24/2010 12:01	1	TAL SAV	MSJ

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 680-164428/2		680-164428		03/29/2010 18:30	5	TAL SAV	CB
A:SM 2320B	MB 680-163895/6		680-163895		03/24/2010 11:28	1	TAL SAV	JV
A:SM 2540C	MB 680-163831/1		680-163831		03/24/2010 08:57	1	TAL SAV	MSJ
A:SM 2540C	MB 680-163944/1		680-163944		03/24/2010 16:18	1	TAL SAV	MSJ
A:SM 2540D	MB 680-163862/1		680-163862		03/24/2010 11:06	1	TAL SAV	MSJ
A:SM 2540D	MB 680-163881/9		680-163881		03/24/2010 12:07	1	TAL SAV	MSJ
A:SM 5310B	MB 680-164066/2		680-164066		03/24/2010 14:02	1	TAL SAV	KB

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-56085-1

SDG: 136458

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 680-164428/3		680-164428		03/29/2010 18:43	5	TAL SAV	CB
A:SM 2320B	LCS 680-163895/7		680-163895		03/24/2010 11:38	1	TAL SAV	JV
A:SM 2540C	LCS 680-163831/2		680-163831		03/24/2010 08:57	1	TAL SAV	MSJ
A:SM 2540C	LCS 680-163944/2		680-163944		03/24/2010 16:18	1	TAL SAV	MSJ
A:SM 2540D	LCS 680-163862/2		680-163862		03/24/2010 11:06	1	TAL SAV	MSJ
A:SM 2540D	LCS 680-163881/1		680-163881		03/24/2010 11:56	1	TAL SAV	MSJ
A:SM 5310B	LCS 680-164066/4		680-164066		03/24/2010 14:38	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 680-163831/3		680-163831		03/24/2010 08:57	1	TAL SAV	MSJ
A:SM 2540D	LCSD 680-163862/3		680-163862		03/24/2010 11:06	1	TAL SAV	MSJ
A:SM 2540D	LCSD 680-163881/2		680-163881		03/24/2010 11:56	1	TAL SAV	MSJ

Lab References:

TAL SAV = TestAmerica Savannah

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-56085-1
SDG No.: 136458
Project: Lawrence Aviation Industry Site

Client Sample ID	Lab Sample ID
D=5 Control	680-56085-1
D=5 1.5% High	680-56085-2
D=5 1.5% Medium	680-56085-3
D=5 1.75% High	680-56085-4
D=5 1.75% Medium	680-56085-5
D=5 2% High	680-56085-6
D=5 2% Medium	680-56085-7

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 Control

Lab Sample ID: 680-56085-1

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 09:30

Reporting Basis: WET

Date Received: 03/24/2010 09:27

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	35	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	2.8	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 Control

Lab Sample ID: 680-56085-1

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 09:30

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	45	5.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO ₃	45	5.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO ₃	5.0	5.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Carbon Dioxide, Free	38	5.0		mg/L			1	SM 2320B
	Phenolphthalein Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	260	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	22	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 1.5% High

Lab Sample ID: 680-56085-2

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 10:58

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	22	20	4.0	mg/L			20	300.0
14808-79-8	Sulfate	28	20	10	mg/L			20	300.0
7440-44-0	Total Organic Carbon	3.1	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 1.5% High	Lab Sample ID: 680-56085-2
Lab Name: TestAmerica Savannah	Job No.: 680-56085-1
SDG ID.: 136458	
Matrix: Water	Date Sampled: 03/19/2010 10:58
Reporting Basis: WET	Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	38	5.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO ₃	38	5.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO ₃	5.0	5.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Carbon Dioxide, Free	39	5.0		mg/L			1	SM 2320B
	Phenolphthalein Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	400	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	60	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	D=5 1.5% Medium	Lab Sample ID:	680-56085-3
Lab Name:	TestAmerica Savannah	Job No.:	680-56085-1
SDG ID.:	136458		
Matrix:	Water	Date Sampled:	03/19/2010 11:30
Reporting Basis:	WET	Date Received:	03/24/2010 09:27

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	23	20	4.0	mg/L			20	300.0
14808-79-8	Sulfate	30	20	10	mg/L			20	300.0
7440-44-0	Total Organic Carbon	2.5	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 1.5% Medium	Lab Sample ID: 680-56085-3
Lab Name: TestAmerica Savannah	Job No.: 680-56085-1
SDG ID.: 136458	
Matrix: Water	Date Sampled: 03/19/2010 11:30
Reporting Basis: WET	Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	37	5.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO ₃	37	5.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO ₃	5.0	5.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Carbon Dioxide, Free	38	5.0		mg/L			1	SM 2320B
	Phenolphthalein Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	300	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	140	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 1.75% High

Lab Sample ID: 680-56085-4

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 11:55

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	22	20	4.0	mg/L			20	300.0
14808-79-8	Sulfate	30	20	10	mg/L			20	300.0
7440-44-0	Total Organic Carbon	2.9	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 1.75% High	Lab Sample ID: 680-56085-4
Lab Name: TestAmerica Savannah	Job No.: 680-56085-1
SDG ID.: 136458	
Matrix: Water	Date Sampled: 03/19/2010 11:55
Reporting Basis: WET	Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	37	5.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO ₃	37	5.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO ₃	5.0	5.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Carbon Dioxide, Free	39	5.0		mg/L			1	SM 2320B
	Phenolphthalein Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	400	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	33	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 1.75% Medium

Lab Sample ID: 680-56085-5

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 12:30

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	23	20	4.0	mg/L			20	300.0
14808-79-8	Sulfate	30	20	10	mg/L			20	300.0
7440-44-0	Total Organic Carbon	3.8	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 1.75% Medium	Lab Sample ID: 680-56085-5
Lab Name: TestAmerica Savannah	Job No.: 680-56085-1
SDG ID.: 136458	
Matrix: Water	Date Sampled: 03/19/2010 12:30
Reporting Basis: WET	Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	39	5.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO ₃	39	5.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO ₃	5.0	5.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Carbon Dioxide, Free	41	5.0		mg/L			1	SM 2320B
	Phenolphthalein Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	280	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	140	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 2% High

Lab Sample ID: 680-56085-6

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 14:55

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	23	20	4.0	mg/L			20	300.0
14808-79-8	Sulfate	31	20	10	mg/L			20	300.0
7440-44-0	Total Organic Carbon	2.8	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 2% High

Lab Sample ID: 680-56085-6

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 14:55

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	38	5.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO ₃	38	5.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO ₃	5.0	5.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Carbon Dioxide, Free	39	5.0		mg/L			1	SM 2320B
	Phenolphthalein Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	360	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	30	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 2% Medium

Lab Sample ID: 680-56085-7

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 15:20

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	23	20	4.0	mg/L			20	300.0
14808-79-8	Sulfate	32	20	10	mg/L			20	300.0
7440-44-0	Total Organic Carbon	2.5	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D=5 2% Medium

Lab Sample ID: 680-56085-7

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG ID.: 136458

Matrix: Water

Date Sampled: 03/19/2010 15:20

Reporting Basis: WET

Date Received: 03/24/2010 09:27

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	37	5.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO ₃	37	5.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO ₃	5.0	5.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Carbon Dioxide, Free	39	5.0		mg/L			1	SM 2320B
	Phenolphthalein Alkalinity	5.0	5.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	300	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	50	5.0		mg/L			1	SM 2540D

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1
SDG No.: 136458
Analyst: CB Batch Start Date: 03/29/2010
Reporting Units: mg/L Analytical Batch No.: 164428

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	18:18	Chloride	50.3	50.0	101	90-110		Anion-4_00047
			Sulfate	46.0	50.0	92	90-110		Anion-4_00047
12	CCV	20:34	Chloride	49.9	50.0	100	90-110		Anion-4_00047
			Sulfate	45.3	50.0	91	90-110		Anion-4_00047
13	CCB	20:47	Chloride	5.0				U	
			Sulfate	5.0				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1
SDG No.: 136458
Analyst: KB Batch Start Date: 03/24/2010
Reporting Units: mg/L Analytical Batch No.: 164066

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	13:48	Total Organic Carbon	5.05					
13	CCV	17:02	Total Organic Carbon	49.8					
14	CCB	17:16	Total Organic Carbon	1.0				U	
25	CCV	20:06	Total Organic Carbon	197					
26	CCB	20:21	Total Organic Carbon	1.0				U	
32	CCV	21:56	Total Organic Carbon	197					
33	CCB	22:10	Total Organic Carbon	1.0				U	

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG No.: 136458

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 164428 Date: 03/29/2010 18:30							
300.0	MB 680-164428/2	Chloride	5.0	U	mg/L	5.0	5
300.0	MB 680-164428/2	Sulfate	5.0	U	mg/L	5.0	5
Batch ID: 163895 Date: 03/24/2010 11:28							
SM 2320B	MB 680-163895/6	Alkalinity	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-163895/6	Bicarbonate Alkalinity as CaCO3	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-163895/6	Carbonate Alkalinity as CaCO3	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-163895/6	Hydroxide Alkalinity	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-163895/6	Carbon Dioxide, Free	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-163895/6	Phenolphthalein Alkalinity	5.0	U	mg/L	5.0	1
Batch ID: 163831 Date: 03/24/2010 08:57							
SM 2540C	MB 680-163831/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 163944 Date: 03/24/2010 16:18							
SM 2540C	MB 680-163944/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 163862 Date: 03/24/2010 11:06							
SM 2540D	MB 680-163862/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 163881 Date: 03/24/2010 12:07							
SM 2540D	MB 680-163881/9	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 164066 Date: 03/24/2010 14:02							
SM 5310B	MB 680-164066/2	Total Organic Carbon	1.0	U	mg/L	1.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 164428 Date: 03/29/2010 19:08											
300.0	680-56085-1	Chloride	24		mg/L						
300.0	680-56085-1	Chloride	75.5		mg/L	50.0	104	90-110			
	MS										
300.0	680-56085-1	Sulfate	35		mg/L						
300.0	680-56085-1	Sulfate	81.6		mg/L	50.0	92	90-110			
	MS										

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

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 163895 Date: 03/24/2010 12:33								
SM 2320B	D=5 Control	680-56085-1	Alkalinity	45	mg/L			
SM 2320B	D=5 Control	680-56085-1 DU	Alkalinity	48.0	mg/L	6	30	
SM 2320B	D=5 Control	680-56085-1	Bicarbonate Alkalinity as CaCO3	45	mg/L			
SM 2320B	D=5 Control	680-56085-1 DU	Bicarbonate Alkalinity as CaCO3	48.0	mg/L	6	30	
SM 2320B	D=5 Control	680-56085-1	Carbonate Alkalinity as CaCO3	5.0	mg/L			U
SM 2320B	D=5 Control	680-56085-1 DU	Carbonate Alkalinity as CaCO3	5.0	mg/L	NC	30	U
SM 2320B	D=5 Control	680-56085-1	Hydroxide Alkalinity	5.0	mg/L			U
SM 2320B	D=5 Control	680-56085-1 DU	Hydroxide Alkalinity	5.0	mg/L	NC	30	U
SM 2320B	D=5 Control	680-56085-1	Carbon Dioxide, Free	38	mg/L			
SM 2320B	D=5 Control	680-56085-1 DU	Carbon Dioxide, Free	40.7	mg/L	7	30	
SM 2320B	D=5 Control	680-56085-1	Phenolphthalein Alkalinity	5.0	mg/L			U
SM 2320B	D=5 Control	680-56085-1 DU	Phenolphthalein Alkalinity	5.0	mg/L	NC	30	U
Batch ID: 163944 Date: 03/24/2010 16:18								
SM 2540C	D=5 1.75% Medium	680-56085-5	Total Dissolved Solids	280	mg/L			
SM 2540C	D=5 1.75% Medium	680-56085-5 DU	Total Dissolved Solids	282	mg/L	1	25	
Batch ID: 163862 Date: 03/24/2010 11:45								
SM 2540D	D=5 1.5% High	680-56085-2	Total Suspended Solids	60	mg/L			
SM 2540D	D=5 1.5% High	680-56085-2 DU	Total Suspended Solids	64.0	mg/L	6	25	
Batch ID: 163881 Date: 03/24/2010 12:01								
SM 2540D	D=5 2% Medium	680-56085-7	Total Suspended Solids	50	mg/L			
SM 2540D	D=5 2% Medium	680-56085-7 DU	Total Suspended Solids	53.5	mg/L	6	25	

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 680-56085-1

SDG No.: 136458

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 164428 Date: 03/29/2010 18:43											
						LCS Source: Anion_ICV_00037					
300.0	LCS	Chloride	48.8		mg/L	50.0	98	90-110			
	680-164428/3										
300.0	LCS	Sulfate	46.8		mg/L	50.0	94	90-110			
	680-164428/3										
Batch ID: 163895 Date: 03/24/2010 11:38											
						LCS Source: Alk LCS_00051					
SM	LCS	Alkalinity	501		mg/L	514	97	80-120			
2320B	680-163895/7										
Batch ID: 163831 Date: 03/24/2010 08:57											
						LCS Source: TS/TDS LCS_00082					
SM	LCS	Total Dissolved Solids	472		mg/L	475	99	80-120	2	25	
2540C	680-163831/2										
Batch ID: 163944 Date: 03/24/2010 16:18											
						LCS Source: TS/TDS LCS_00082					
SM	LCS	Total Dissolved Solids	456		mg/L	475	96	80-120			
2540C	680-163944/2										
Batch ID: 163862 Date: 03/24/2010 11:06											
						LCS Source: TSS LCS_00184					
SM	LCS	Total Suspended Solids	102		mg/L	100	102	80-120	2	25	
2540D	680-163862/2										
Batch ID: 163881 Date: 03/24/2010 11:56											
						LCS Source: TSS LCS_00184					
SM	LCS	Total Suspended Solids	105		mg/L	100	105	80-120	0	25	
2540D	680-163881/1										
Batch ID: 164066 Date: 03/24/2010 14:38											
						LCS Source: TOC LCS_00036					
SM	LCS	Total Organic Carbon	18.9		mg/L	20.0	94	80-120			
5310B	680-164066/4										

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 163831 Date: 03/24/2010 08:57											
						LCSD Source: TS/TDS LCS_00082					
SM	LCSD	Total Dissolved Solids	482		mg/L	475	101	80-120	2	25	
2540C	680-163831/3										
Batch ID: 163862 Date: 03/24/2010 11:06											
						LCSD Source: TSS LCS_00184					
SM	LCSD	Total Suspended Solids	104		mg/L	100	104	80-120	2	25	
2540D	680-163862/3										
Batch ID: 163881 Date: 03/24/2010 11:56											
						LCSD Source: TSS LCS_00184					
SM	LCSD	Total Suspended Solids	104		mg/L	100	104	80-120	0	25	
2540D	680-163881/2										

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: 680-56085-1
SDG Number: 136458
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: 680-56085-1
SDG Number: 136458
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 CaCO ₃		5	
Carbon Dioxide, Free		5	
Carbonate Alkalinity as CaCO ₃		5	
Hydroxide Alkalinity		5	
Phenolphthalein Alkalinity		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-56085-1
SDG Number: 136458
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: 680-56085-1
SDG Number: 136458
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: 680-56085-1
SDG Number: 136458
Matrix: Water Instrument ID: TOC3
Analysis Method: SM 5310B MDL Date: 06/02/2009 00:00
Prep Method: _____
Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.5

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Instrument ID: ICG Method: 300.0

Start Date: 03/29/2010 18:18 End Date: 03/29/2010 20:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C L -	S O 4																
CCV 680-164428/1	5		18:18	X	X																
MB 680-164428/2	5	T	18:30	X	X																
LCS 680-164428/3	5	T	18:43	X	X																
680-56085-1	5	T	18:55	X	X																
680-56085-1 MS	5	T	19:08	X	X																
680-56085-2	20	T	19:20	X	X																
680-56085-3	20	T	19:32	X	X																
680-56085-4	20	T	19:45	X	X																
680-56085-5	20	T	19:57	X	X																
680-56085-6	20	T	20:10	X	X																
680-56085-7	20	T	20:22	X	X																
CCV 680-164428/12	5		20:34	X	X																
CCB 680-164428/13	5		20:47	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Instrument ID: MANTECH Method: SM 2320B

Start Date: 03/24/2010 10:15 End Date: 03/24/2010 12:35

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A l k	A l k P h e	B A L K C C	C a r A l k	C O 2 F r	O H A l k												
ZZZZZZ			10:15																		
ZZZZZZ			10:18																		
ZZZZZZ			10:22																		
ZZZZZZ			10:26																		
ZZZZZZ			11:22																		
MB 680-163895/6	1	T	11:28	X	X	X	X	X	X												
LCS 680-163895/7	1	T	11:38	X	X	X	X	X	X												
ZZZZZZ			11:43																		
ZZZZZZ			11:50																		
680-56085-2	1	T	11:55	X	X	X	X	X	X												
680-56085-3	1	T	12:00	X	X	X	X	X	X												
680-56085-4	1	T	12:05	X	X	X	X	X	X												
680-56085-5	1	T	12:11	X	X	X	X	X	X												
680-56085-6	1	T	12:16	X	X	X	X	X	X												
680-56085-7	1	T	12:21	X	X	X	X	X	X												
680-56085-1	1	T	12:26	X	X	X	X	X	X												
680-56085-1 DU	1	T	12:33	X	X	X	X	X	X												
ZZZZZZ			12:35																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 03/24/2010 08:57 End Date: 03/24/2010 16:13

[illegible]

Prep Types

$$T = \text{Total}/NA$$

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 03/24/2010 16:18 End Date: 03/24/2010 16:18

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T D S																	
MB 680-163944/1	1	T	16:18	X																	
LCS 680-163944/2	1	T	16:18	X																	
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
680-56085-4	1	T	16:18	X																	
680-56085-5	1	T	16:18	X																	
680-56085-6	1	T	16:18	X																	
680-56085-7	1	T	16:18	X																	
ZZZZZZ			16:18																		
680-56085-5 DU	1	T	16:18	X																	
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		
ZZZZZZ			16:18																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 03/24/2010 11:06 End Date: 03/24/2010 11:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T S S																	
MB 680-163862/1	1	T	11:06	X																	
LCS 680-163862/2	1	T	11:06	X																	
LCSD 680-163862/3	1	T	11:06	X																	
ZZZZZZ			11:11																		
ZZZZZZ			11:12																		
ZZZZZZ			11:14																		
ZZZZZZ			11:17																		
ZZZZZZ			11:18																		
ZZZZZZ			11:22																		
ZZZZZZ			11:23																		
ZZZZZZ			11:24																		
ZZZZZZ			11:26																		
ZZZZZZ			11:27																		
ZZZZZZ			11:29																		
ZZZZZZ			11:30																		
ZZZZZZ			11:32																		
ZZZZZZ			11:34																		
ZZZZZZ			11:35																		
ZZZZZZ			11:41																		
680-56085-2	1	T	11:43	X																	
680-56085-2 DU	1	T	11:45	X																	
ZZZZZZ			11:47																		
ZZZZZZ			11:47																		
ZZZZZZ			11:49																		
680-56085-1	1	T	11:51	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 03/24/2010 11:56 End Date: 03/24/2010 17:34

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T S S																	
LCS 680-163881/1	1	T	11:56	X																	
LCSD 680-163881/2	1	T	11:56	X																	
680-56085-3	1	T	11:58	X																	
680-56085-4	1	T	11:59	X																	
680-56085-5	1	T	12:00	X																	
680-56085-7	1	T	12:01	X																	
680-56085-7 DU	1	T	12:01	X																	
680-56085-6	1	T	12:05	X																	
MB 680-163881/9	1	T	12:07	X																	
ZZZZZZ			17:27																		
ZZZZZZ			17:28																		
ZZZZZZ			17:30																		
ZZZZZZ			17:32																		
ZZZZZZ			17:34																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-56085-1

SDG No.: 136458

Instrument ID: TOC3 Method: SM 5310B

Start Date: 03/24/2010 13:48 End Date: 03/24/2010 22:10

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T O C																	
CCV 680-164066/1	1		13:48	X																	
MB 680-164066/2	1	T	14:02	X																	
ZZZZZZ			14:22																		
LCS 680-164066/4	1	T	14:38	X																	
ZZZZZZ			14:55																		
ZZZZZZ			15:09																		
680-56085-1	1	T	15:23	X																	
680-56085-2	1	T	15:42	X																	
680-56085-3	1	T	16:00	X																	
680-56085-4	1	T	16:14	X																	
680-56085-5	1	T	16:29	X																	
680-56085-6	1	T	16:45	X																	
CCV 680-164066/13	1		17:02	X																	
CCB 680-164066/14	1		17:16	X																	
680-56085-7	1	T	17:32	X																	
ZZZZZZ			17:50																		
ZZZZZZ			18:05																		
ZZZZZZ			18:19																		
ZZZZZZ			18:34																		
ZZZZZZ			18:50																		
ZZZZZZ			19:06																		
ZZZZZZ			19:23																		
ZZZZZZ			19:39																		
ZZZZZZ			19:50																		
CCV 680-164066/25	1		20:06	X																	
CCB 680-164066/26	1		20:21	X																	
ZZZZZZ			20:37																		
ZZZZZZ			20:54																		
ZZZZZZ			21:06																		
ZZZZZZ			21:23																		
ZZZZZZ			21:39																		
CCV 680-164066/32	1		21:56	X																	
CCB 680-164066/33	1		22:10	X																	

Prep Types

T = Total/NA

Data File: /chem/LC/LCGIC.i/1G032710A-NPW.b/0004.d
Report Date: 29-Mar-2010 11:49

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G032710A-NPW.b/0004.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 27-MAR-2010 13:51
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-1~1G032710
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G032710A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Mar-2010 11:49 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 13:51 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		
2.975	2.975	0.000	48082	0.20000	0.18

3 BROMIDE					
			CAS #: 24959-67-9		
5.842	5.842	0.000	58130	1.00000	0.83

2 CHLORIDE					
			CAS #: 16887-00-6		
3.867	3.867	0.000	167449	1.00000	0.96

4 SULFATE					
			CAS #: 14808-79-8		
4.442	4.442	0.000	165734	1.00000	1.1

Data File: 0004.d

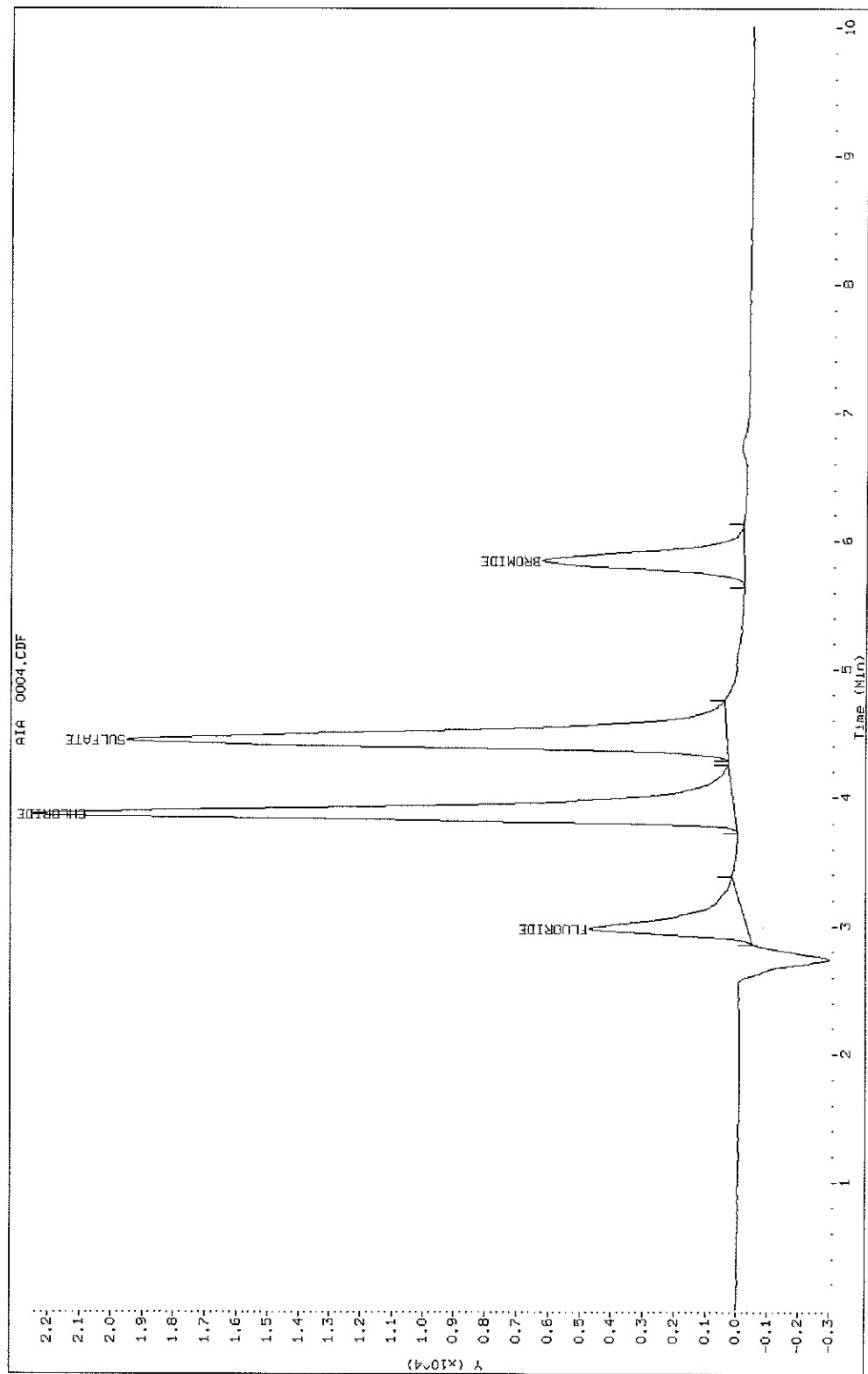
Date: 27-MAR-2010 13:51

Client ID: ANION-1

Sample Info: ANION-1~1G032710

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G032710A-NPW.b/0005.d
Report Date: 29-Mar-2010 11:49

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G032710A-NPW.b/0005.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 27-MAR-2010 14:04
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-2~1G032710
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G032710A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Mar-2010 11:49 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:04 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		
2.975	2.975	0.000	96650	0.40000	0.37

3 BROMIDE			CAS #: 24959-67-9		
5.842	5.842	0.000	120779	2.00000	1.7

2 CHLORIDE			CAS #: 16887-00-6		
3.867	3.867	0.000	320272	2.00000	1.8

4 SULFATE			CAS #: 14808-79-8		
4.442	4.442	0.000	307031	2.00000	2.1

Data File: 0005.d

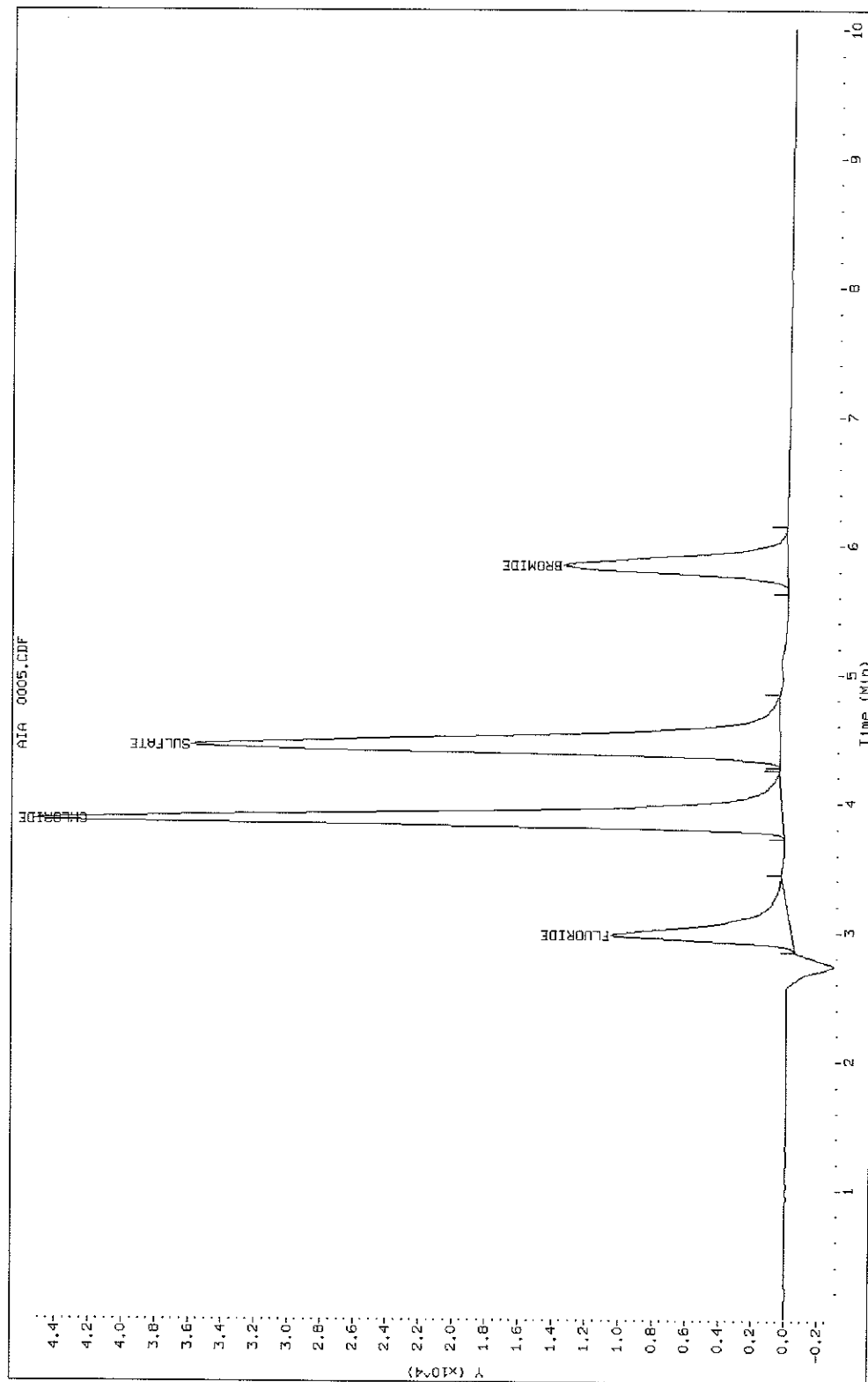
Date: 27-MAR-2010 14:04

Client ID: ANION-2

Sample Info: ANION-2~1G032710

Instrument: LCGIC.i

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056
Data file : /chem/LC/LCGIC.i/1G032710A-NPW.b/0006.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 27-MAR-2010 14:16
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-3~1G032710
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G032710A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Mar-2010 11:49 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:16 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)
nan	nan	nan	nan	nan	nan
1 FLUORIDE			CAS #: 16984-48-8		
2.975	2.975	0.000	221703	0.80000	0.85

3 BROMIDE			CAS #: 24959-67-9		
5.842	5.842	0.000	289005	4.00000	4.1

2 CHLORIDE			CAS #: 16887-00-6		
3.867	3.867	0.000	732108	4.00000	4.2

4 SULFATE			CAS #: 14808-79-8		
4.442	4.442	0.000	589603	4.00000	4.1

Data File: 0006.d

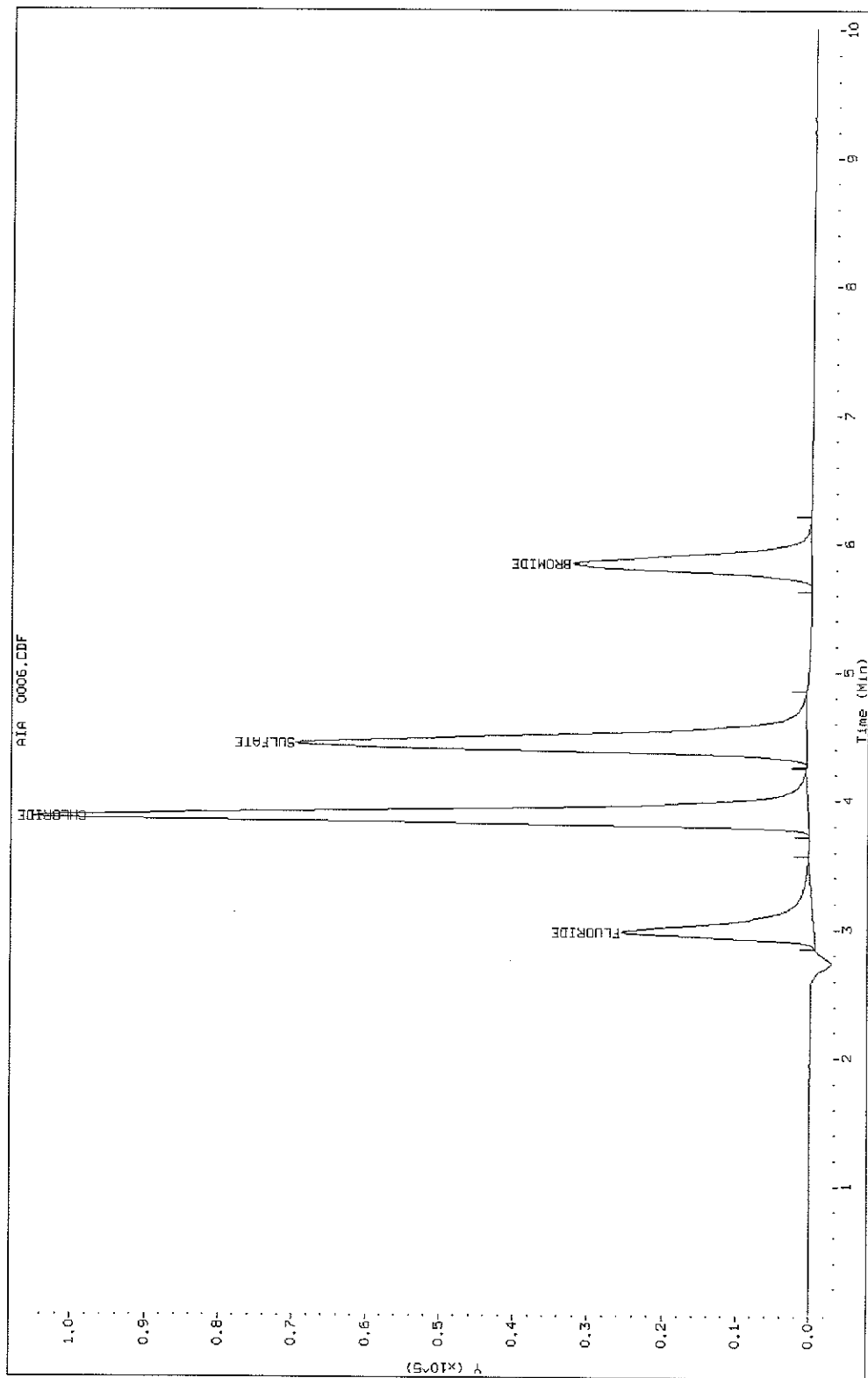
Date: 27-MAR-2010 14:16

Client ID: ANION-3

Sample Info: ANION-3~1G032710

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G032710A-NPW.b/0007.d
Report Date: 29-Mar-2010 11:49

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G032710A-NPW.b/0007.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 27-MAR-2010 14:29
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~1G032710
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G032710A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Mar-2010 11:49 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:29 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		
2.975	2.975	0.000	533865	2.00000	2.0
3 BROMIDE			CAS #: 24959-67-9		
5.833	5.833	0.000	727903	10.0000	10
2 CHLORIDE			CAS #: 16887-00-6		
3.867	3.867	0.000	1749090	10.0000	10
4 SULFATE			CAS #: 14808-79-8		
4.433	4.433	0.000	1345893	10.0000	9.3

Data File: 0007.d

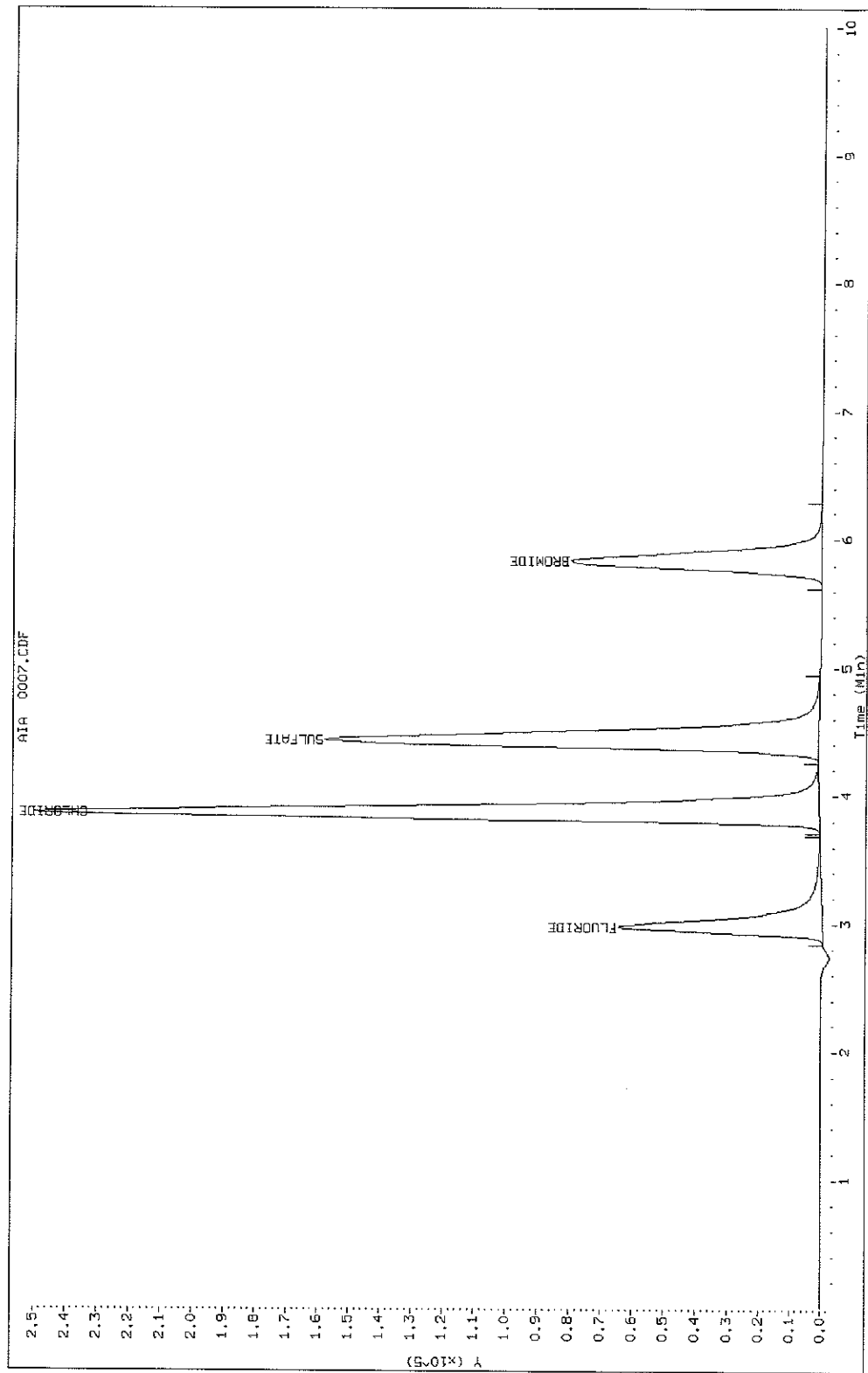
Date: 27-MAR-2010 14:29

Client ID: ANION-4

Sample Info: ANION-4-1G032710

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/1G032710A-NPW.b/0008.d
Report Date: 29-Mar-2010 11:49

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G032710A-NPW.b/0008.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 27-MAR-2010 14:41
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-5~1G032710
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G032710A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Mar-2010 11:49 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:41 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)
2.975	2.975	0.000	1091384	4.00000	4.2
1 FLUORIDE			CAS #: 16984-48-8		
2.975	2.975	0.000	1091384	4.00000	4.2
3 BROMIDE			CAS #: 24959-67-9		
5.825	5.825	0.000	1516380	20.0000	22
2 CHLORIDE			CAS #: 16987-00-6		
3.867	3.867	0.000	3546877	20.0000	20
4 SULFATE			CAS #: 14808-79-8		
4.434	4.434	0.000	2684463	20.0000	19

Data File: 0008.d

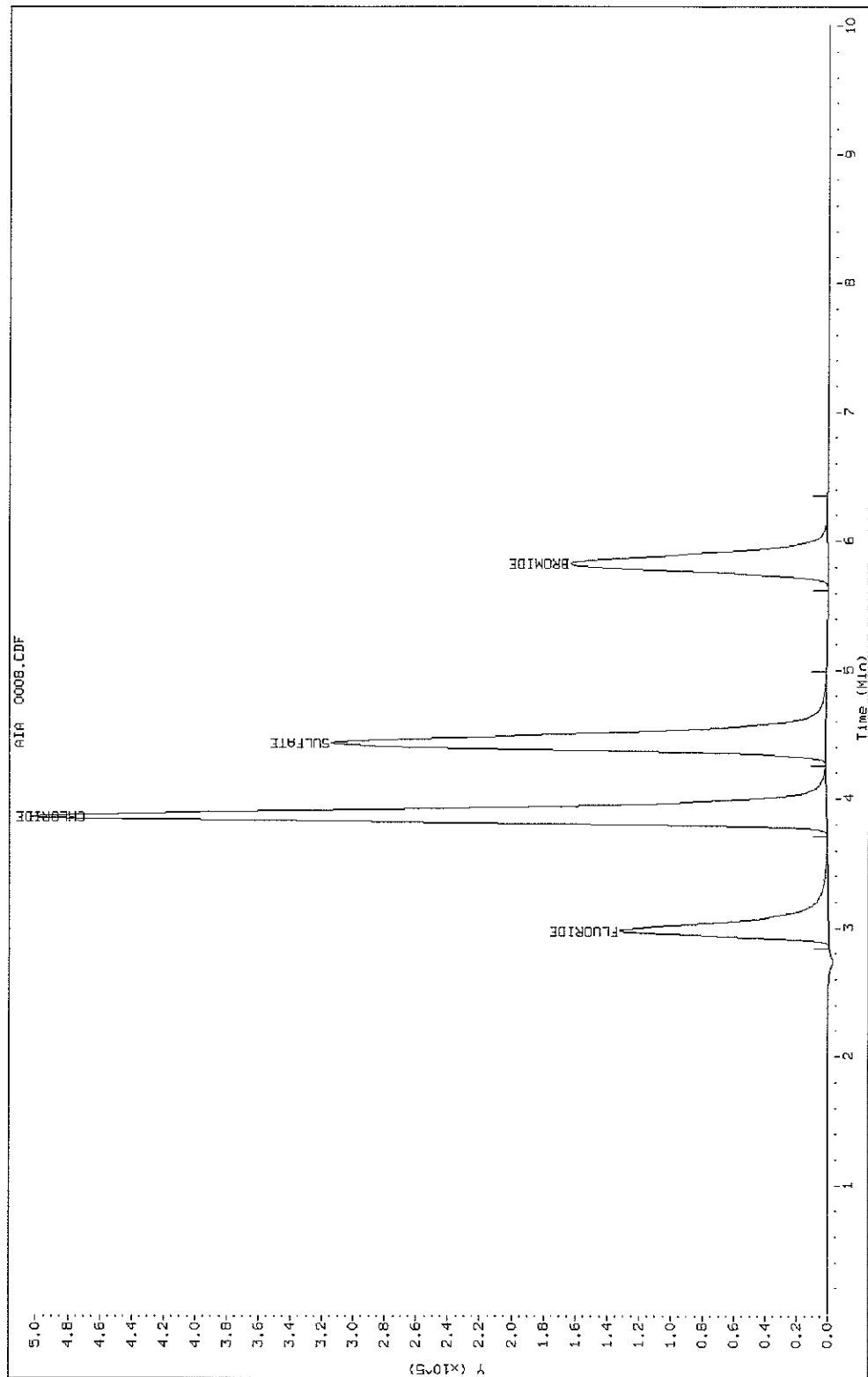
Date: 27-MAR-2010 14:41

Client ID: ANION-5

Instrument: LCGIC.i

Sample Info: ANION-5~1G032710

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G032710A-NPW.b/0009.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 27-MAR-2010 14:53
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-6~1G032710
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G032710A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Mar-2010 11:49 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 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

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE					
			CAS #: 16984-48-8		
2.983	2.983	0.000	2716569 10.0000	10	(A)

3 BROMIDE					
			CAS #: 24959-67-9		
5.800	5.800	0.000	3956889 50.0000	57	(A)

2 CHLORIDE					
			CAS #: 16887-00-6		
3.867	3.867	0.000	9011532 50.0000	52	(A)

4 SULFATE					
			CAS #: 14808-79-8		
4.417	4.417	0.000	6754320 50.0000	47	

QC Flag Legend

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

Data File: 0009.d

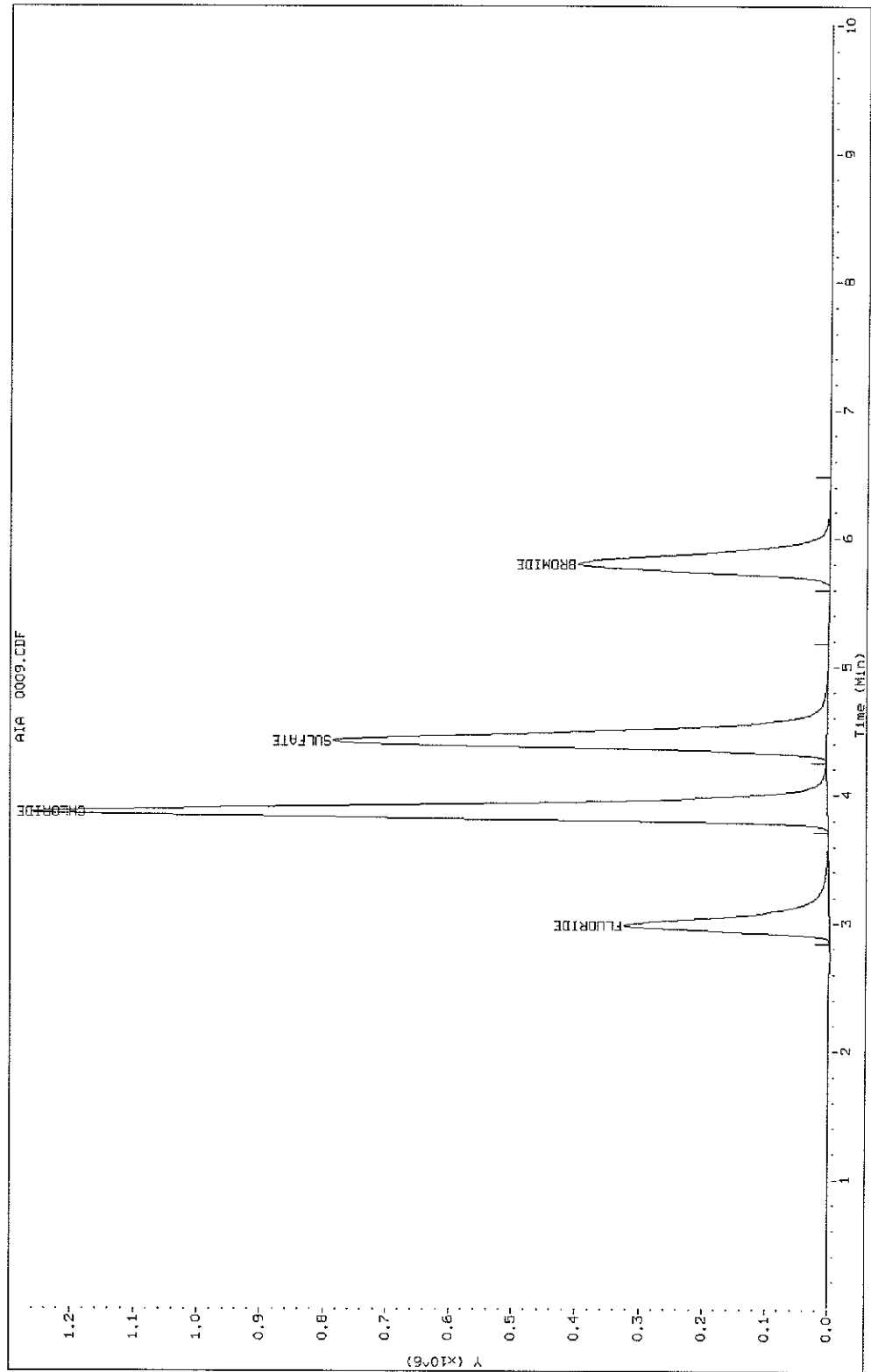
Date: 27-MAR-2010 14:53

Client ID: ANION-6

Sample Info: ANION-6~1G032710

Instrument: LCGIC.i

Operator: CB



TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 27-MAR-2010 13:51
End Cal Date : 27-MAR-2010 14:53
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/LC/LCGIC.i/1G032710A-NPW.b/g-NPW-300-9056-9056A.m
Cal Date : 29-Mar-2010 11:50 brazellc
Curve Type : Average

Calibration File Names:

Level 1: /chem/LC/LCGIC.i/1G032710A-NPW.b/0004.d
Level 2: /chem/LC/LCGIC.i/1G032710A-NPW.b/0005.d
Level 3: /chem/LC/LCGIC.i/1G032710A-NPW.b/0006.d
Level 4: /chem/LC/LCGIC.i/1G032710A-NPW.b/0007.d
Level 5: /chem/LC/LCGIC.i/1G032710A-NPW.b/0008.d
Level 6: /chem/LC/LCGIC.i/1G032710A-NPW.b/0009.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	240410	241625	277129	266933	272846	271657	261767	6.266
2 CHLORIDE	167449	160136	183027	174909	177344	180231	173849	4.930
4 SULFATE	165734	153515	147401	134589	134223	135086	145092	8.885
~~3 BROMIDE~~	~~56130~~	~~58389~~	~~72251~~	~~72730~~	~~75819~~	~~79138~~	~~69753~~	~~12.217~~

cmw
3-30-10

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0030.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 29-MAR-2010 18:18
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G032910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 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		
2.975	2.975	0.000	542963	2.00000	2.1

3 BROMIDE			CAS #: 24959-67-9		
5.808	5.808	0.000	723068	10.0000	10

2 CHLORIDE			CAS #: 16887-00-6		
3.858	3.858	0.000	1748104	10.0000	10

4 SULFATE			CAS #: 14808-79-8		
4.425	4.425	0.000	1334260	10.0000	9.2

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0031.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 29-MAR-2010 18:30
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~2G032910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 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: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0032.d
 Lab Smp Id: LCS Client Smp ID: LCS
 Inj Date : 29-MAR-2010 18:43
 Operator : CB Inst ID: LCGIC.i
 Smp Info : LCS~2G032910
 Misc Info : None
 Comment :
 Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
 Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
 Cal Date : 27-MAR-2010 14:53 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		
2.975	2.975	0.000	530887	2.02810	10
3 BROMIDE					
			CAS #: 24959-67-9		
5.809	5.808	0.001	694835	9.96137	50
2 CHLORIDE					
			CAS #: 16887-00-6		
3.858	3.858	0.000	1695510	9.75276	49
4 SULFATE					
			CAS #: 14808-79-8		
4.417	4.425	-0.008	1356820	9.35148	47

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0033.d
 Lab Smp Id: 680-56085-A-1 Client Smp ID: D=5 Control
 Inj Date : 29-MAR-2010 18:55
 Operator : CB Inst ID: LCGIC.i
 Smp Info : 680-56085-A-1~2G032910
 Misc Info : 680-56085-A-1
 Comment :
 Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
 Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
 Cal Date : 27-MAR-2010 14:53 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		
2.975	2.975	0.000	2032239	7.76356	39

2 CHLORIDE			CAS #: 16887-00-6		
3.858	3.858	0.000	817102	4.70006	24

4 SULFATE			CAS #: 14808-79-8		
4.425	4.425	0.000	1026553	7.07521	35

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0034.d
Lab Smp Id: 680-56085-A-1 MS Client Smp ID: 680-56085-A-1 MS
Inj Date : 29-MAR-2010 19:08
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-56085-A-1 MS~2G032910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 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						
2.983	2.975	0.008	2583694	9.87022	49	(R)
3 BROMIDE CAS #: 24959-67-9						
5.809	5.808	0.001	744498	10.6734	53	
2 CHLORIDE CAS #: 16887-00-6						
3.858	3.858	0.000	2626377	15.1072	76	(R)
4 SULFATE CAS #: 14808-79-8						
4.417	4.425	-0.008	2367710	16.3187	82	(R)

Data File: /chem/LC/LCGIC.i/2G032910A-NPW.b/0034.d
Report Date: 30-Mar-2010 11:38

Page 2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0035.d
Lab Smp Id: 680-56085-A-2 Client Smp ID: D=5 1.5% High
Inj Date : 29-MAR-2010 19:20
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-56085-A-2~2G032910
Misc Info : 680-56085-A-2
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 Cal File: 0009.d
Als bottle: 1
Dil Factor: 4.00000
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	4.00000	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					
2.975	2.975	0.000	599457	2.29005	46

2 CHLORIDE CAS #: 16887-00-6					
3.858	3.858	0.000	188580	1.08474	22

4 SULFATE CAS #: 14808-79-8					
4.425	4.425	0.000	200178	1.37967	28

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0036.d
 Lab Smp Id: 680-56085-B-3 Client Smp ID: D=5 1.5% Medium
 Inj Date : 29-MAR-2010 19:32
 Operator : CB Inst ID: LCGIC.i
 Smp Info : 680-56085-B-3~2G032910
 Misc Info : 680-56085-B-3
 Comment :
 Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
 Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
 Cal Date : 27-MAR-2010 14:53 Cal File: 0009.d
 Als bottle: 1
 Dil Factor: 4.00000
 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	4.00000	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					
2.975	2.975	0.000	564365	2.15599	43

2 CHLORIDE CAS #: 16887-00-6					
3.858	3.858	0.000	198310	1.14070	23

4 SULFATE CAS #: 14808-79-8					
4.425	4.425	0.000	219104	1.51012	30

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0037.d
Lab Smp Id: 680-56085-A-4 Client Smp ID: D=5 1.75% High
Inj Date : 29-MAR-2010 19:45
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-56085-A-4~2G032910
Misc Info : 680-56085-A-4
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 Cal File: 0009.d
Als bottle: 1
Dil Factor: 4.00000
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	4.00000	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					
2.975	2.975	0.000	578386 2.20955	44	

2 CHLORIDE CAS #: 16887-00-6					
3.858	3.858	0.000	194753 1.12024	22	

4 SULFATE CAS #: 14808-79-8					
4.425	4.425	0.000	215825 1.48751	30	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0038.d
Lab Smp Id: 680-56085-B-5 Client Smp ID: D=5 1.75% Medium
Inj Date : 29-MAR-2010 19:57
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-56085-B-5~2G032910
Misc Info : 680-56085-B-5
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 Cal File: 0009.d
Als bottle: 1
Dil Factor: 4.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	4.00000	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		
2.975	2.975	0.000	553475	2.11439	42

2 CHLORIDE			CAS #: 16887-00-6		
3.858	3.858	0.000	196940	1.13282	23

4 SULFATE			CAS #: 14808-79-8		
4.425	4.425	0.000	221232	1.52478	30

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0039.d
 Lab Smp Id: 680-56085-B-6 Client Smp ID: D=5 2% High
 Inj Date : 29-MAR-2010 20:10
 Operator : CB Inst ID: LCGIC.i
 Smp Info : 680-56085-B-6~2G032910
 Misc Info : 680-56085-B-6
 Comment :
 Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
 Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
 Cal Date : 27-MAR-2010 14:53 Cal File: 0009.d
 Als bottle: 1
 Dil Factor: 4.00000
 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	4.00000	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					
2.975	2.975	0.000	581046	2.21971	44

2 CHLORIDE CAS #: 16887-00-6					
3.858	3.858	0.000	199806	1.14931	23

4 SULFATE CAS #: 14808-79-8					
4.425	4.425	0.000	225397	1.55348	31

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0040.d
Lab Smp Id: 680-56085-A-7 Client Smp ID: D=5 2% Medium
Inj Date : 29-MAR-2010 20:22
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-56085-A-7~2G032910
Misc Info : 680-56085-A-7
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 Cal File: 0009.d
Als bottle: 1
Dil Factor: 4.00000
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	4.00000	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					
2.983	2.975	0.008	577298	2.20539	44

2 CHLORIDE CAS #: 16887-00-6					
3.858	3.858	0.000	200651	1.15417	23

4 SULFATE CAS #: 14808-79-8					
4.425	4.425	0.000	232464	1.60219	32

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0041.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 29-MAR-2010 20:34
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G032910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 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		
2.975	2.975	0.000	569594	2.00000	2.2

3 BROMIDE			CAS #: 24959-67-9		
5.817	5.817	0.000	717059	10.0000	10

2 CHLORIDE			CAS #: 16887-00-6		
3.858	3.858	0.000	1735307	10.0000	10

4 SULFATE			CAS #: 14808-79-8		
4.425	4.425	0.000	1314154	10.0000	9.1

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G032910A-NPW.b/0042.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 29-MAR-2010 20:47
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~2G032910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G032910A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 30-Mar-2010 11:38 brazellc Quant Type: ESTD
Cal Date : 27-MAR-2010 14:53 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: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
ON-COL FINAL			
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

Data File: 0030.d

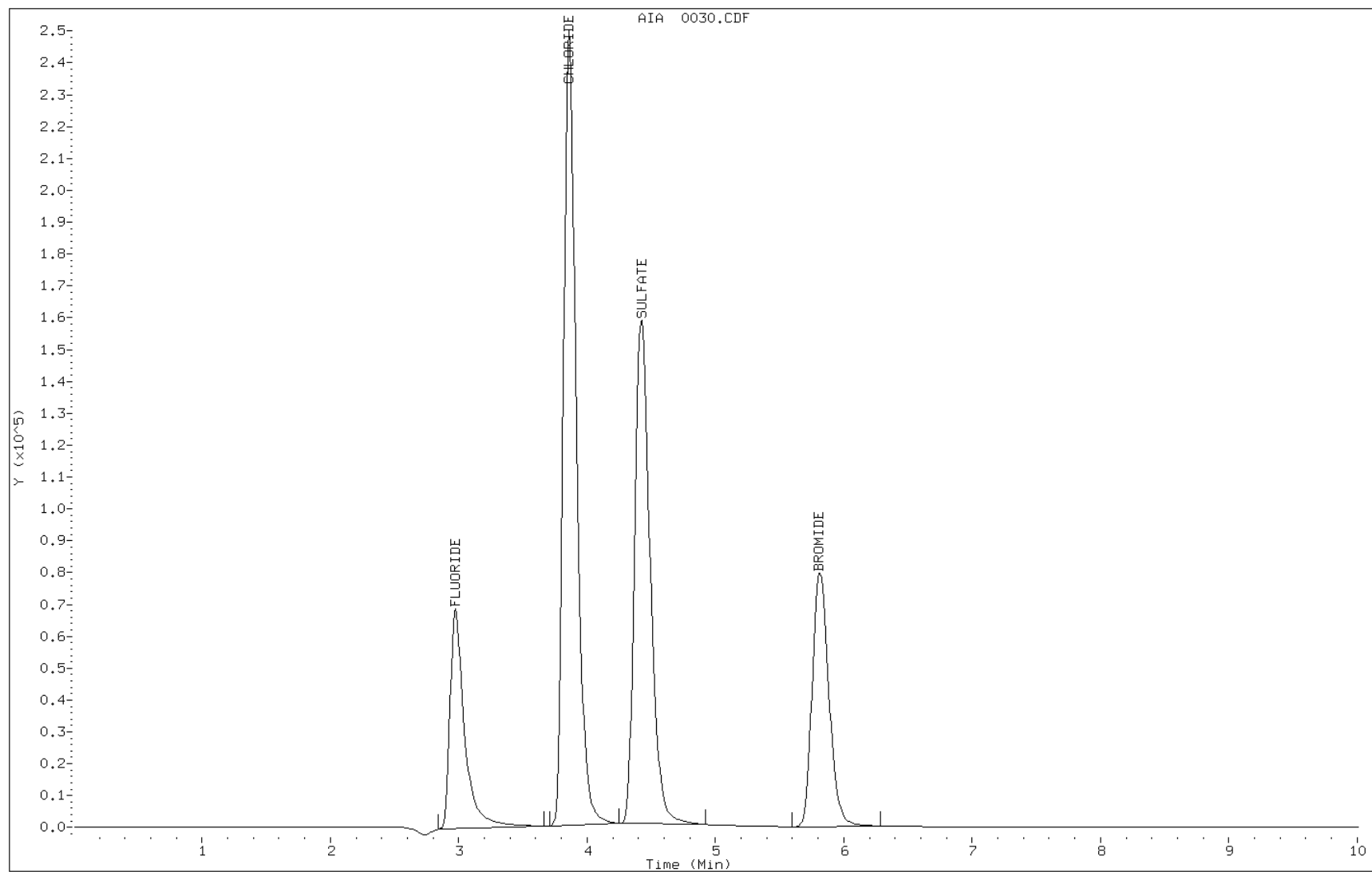
Date: 29-MAR-2010 18:18

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~2G032910

Operator: CB



Data File: 0031.d

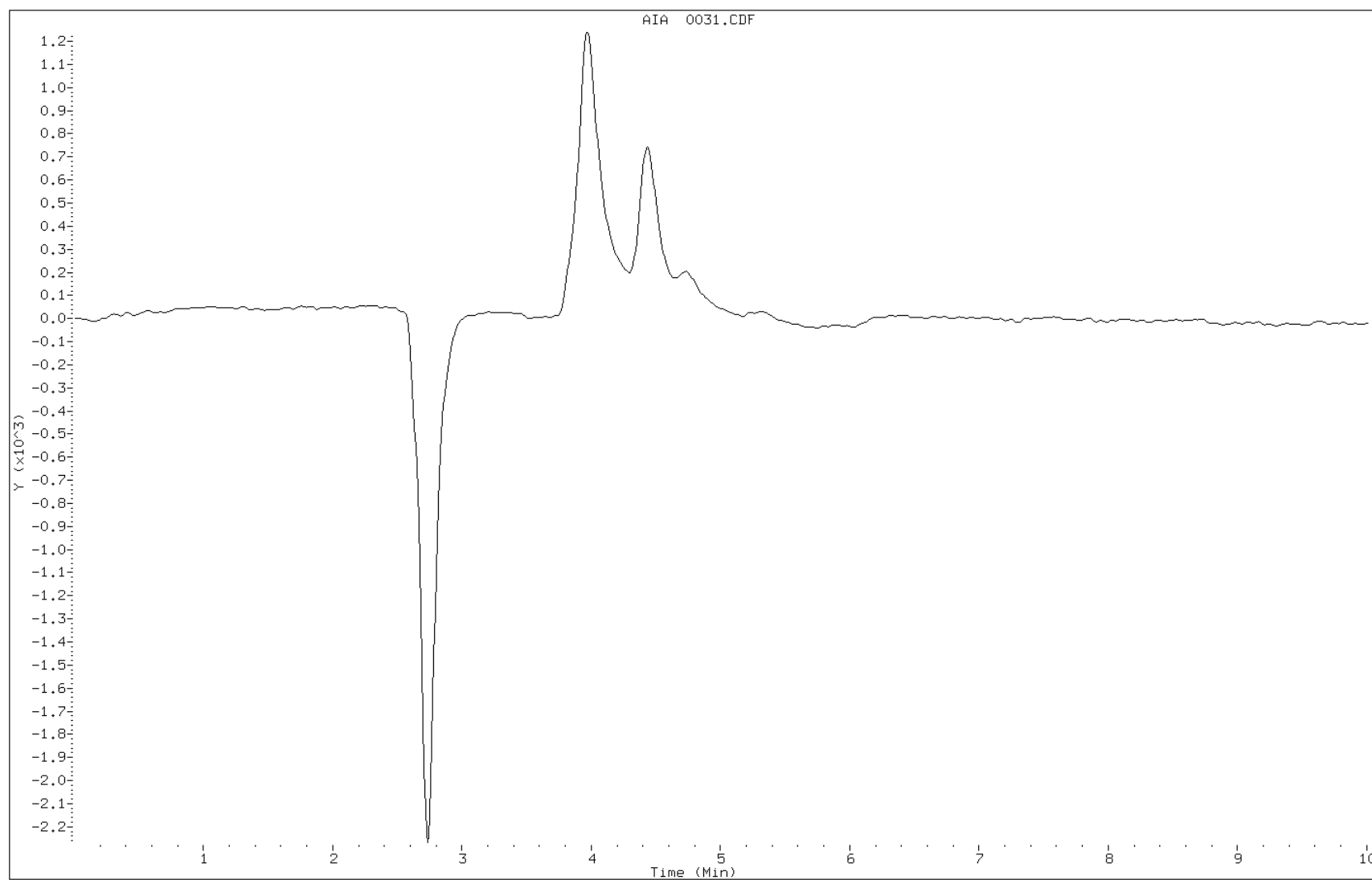
Date: 29-MAR-2010 18:30

Client ID: MB

Instrument: LCGIC.i

Sample Info: CCB~2G032910

Operator: CB



Data File: 0032.d

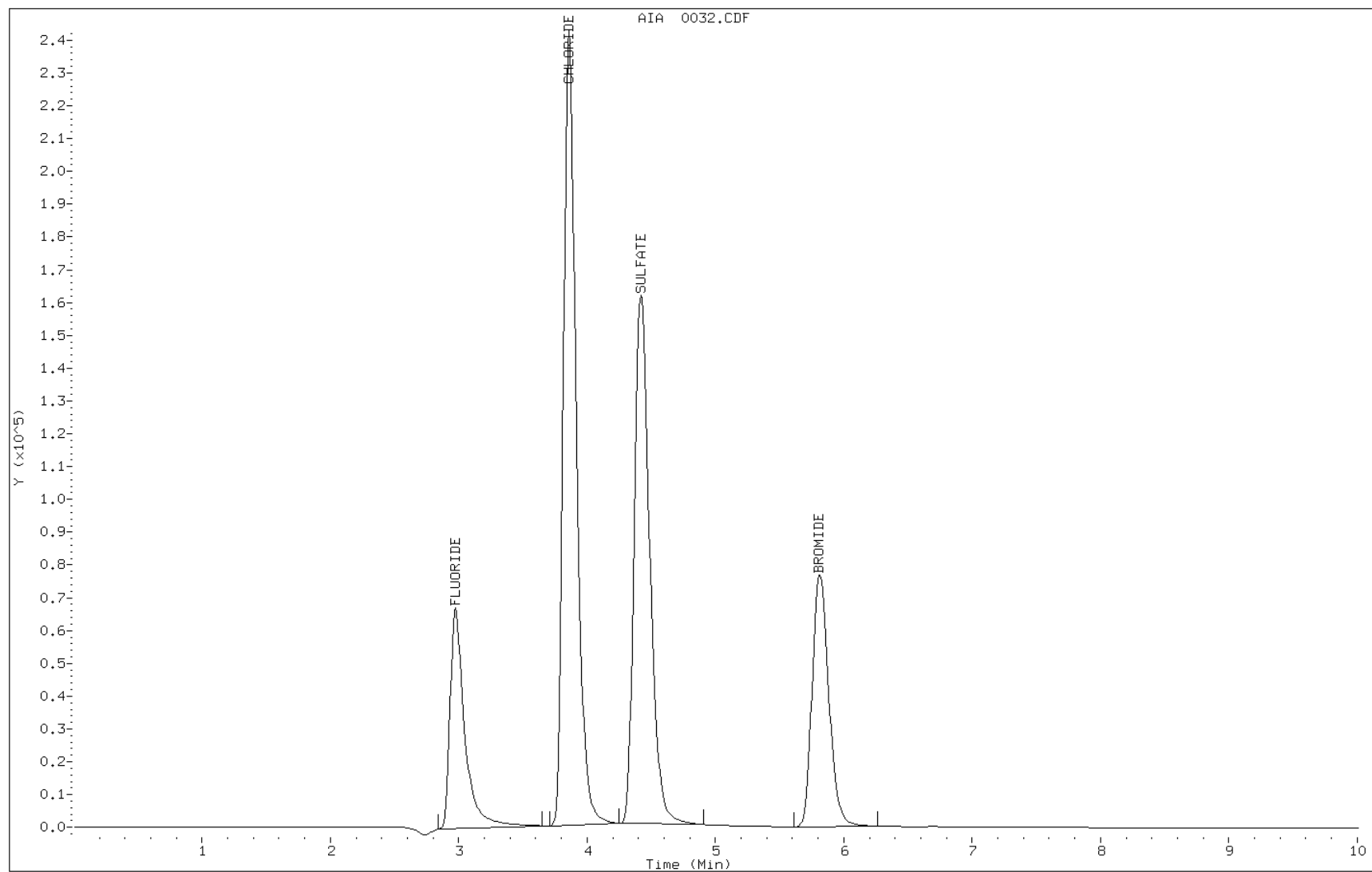
Date: 29-MAR-2010 18:43

Client ID: LCS

Instrument: LCGIC.i

Sample Info: LCS~2G032910

Operator: CB



Data File: 0033.d

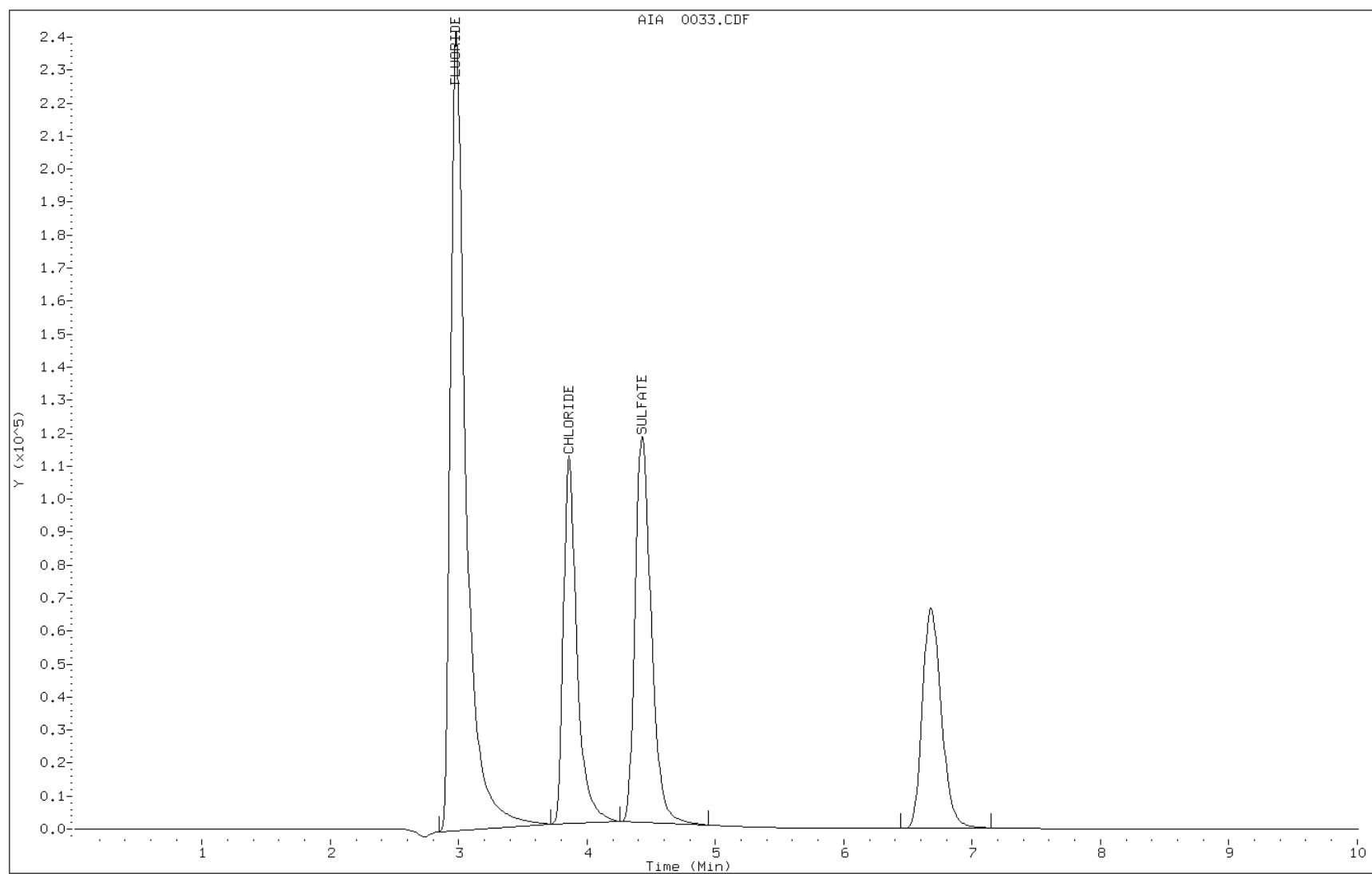
Date: 29-MAR-2010 18:55

Client ID: D=5 Control

Instrument: LCGIC.i

Sample Info: 680-56085-A-1~2G032910

Operator: CB



Data File: 0034.d

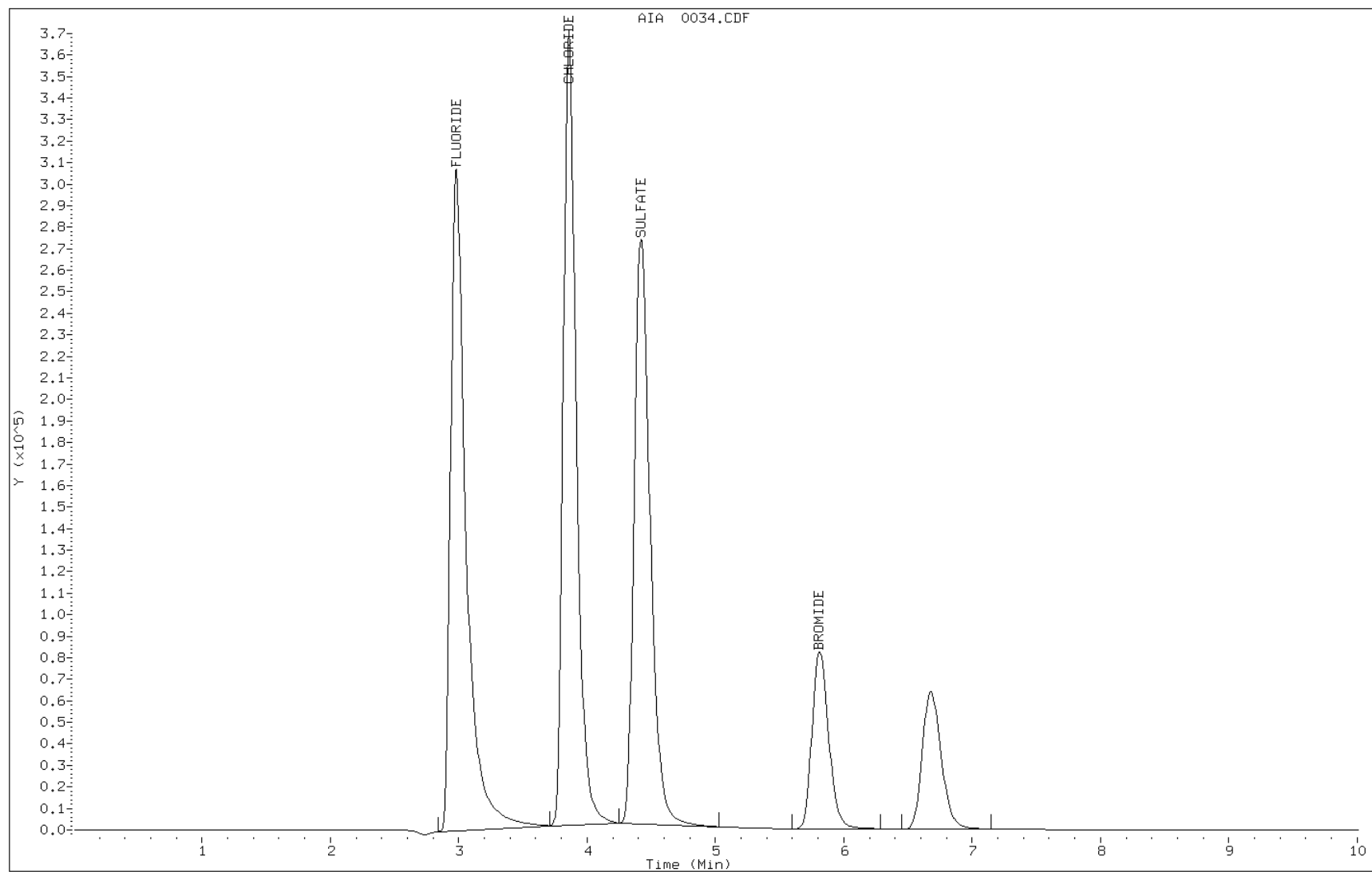
Date: 29-MAR-2010 19:08

Client ID: 680-56085-A-1 MS

Instrument: LCGIC.i

Sample Info: 680-56085-A-1 MS~2G032910

Operator: CB



Data File: 0035.d

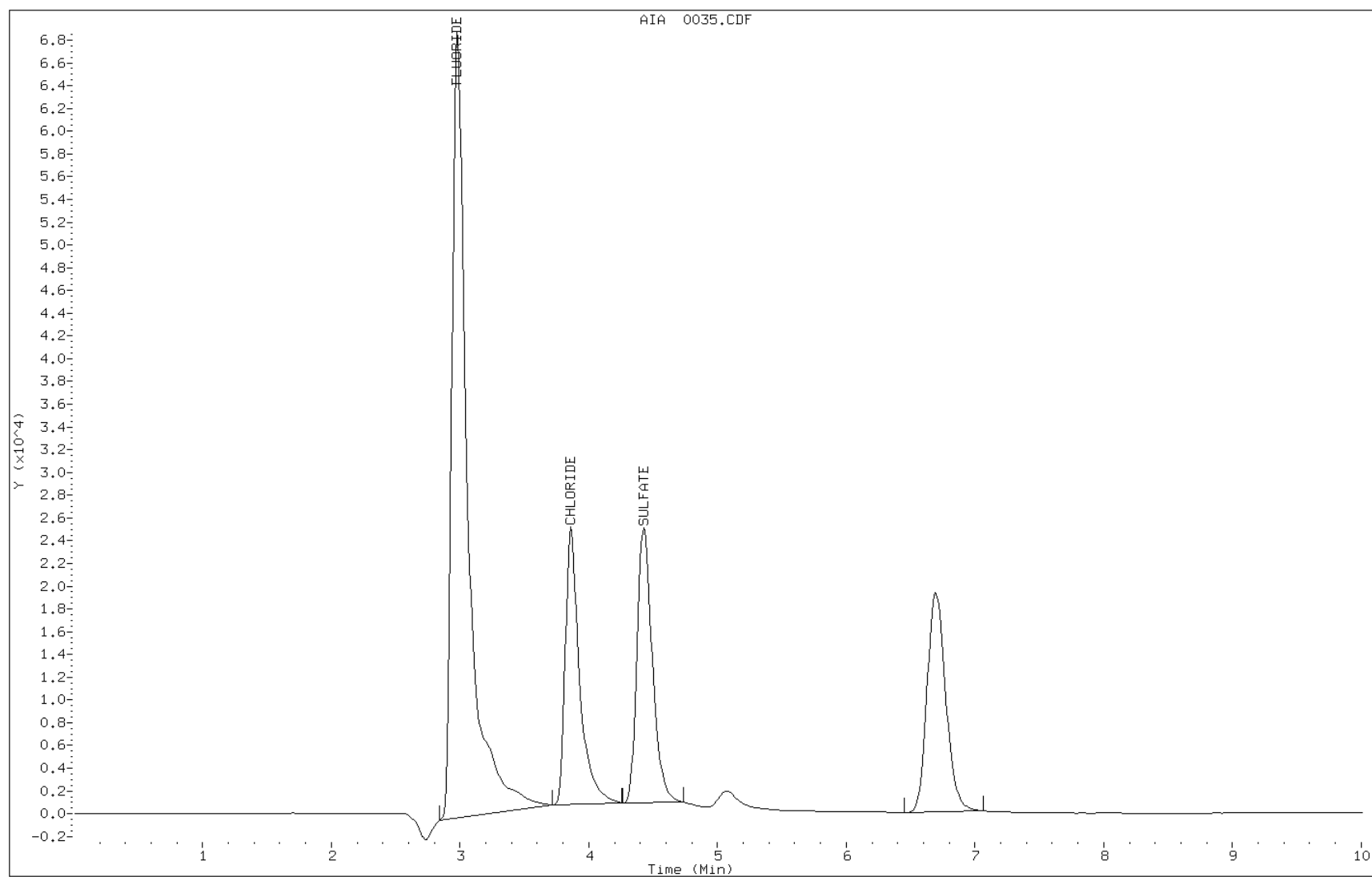
Date: 29-MAR-2010 19:20

Client ID: D=5 1.5% High

Instrument: LCGIC.i

Sample Info: 680-56085-A-2~2G032910

Operator: CB



Data File: 0036.d

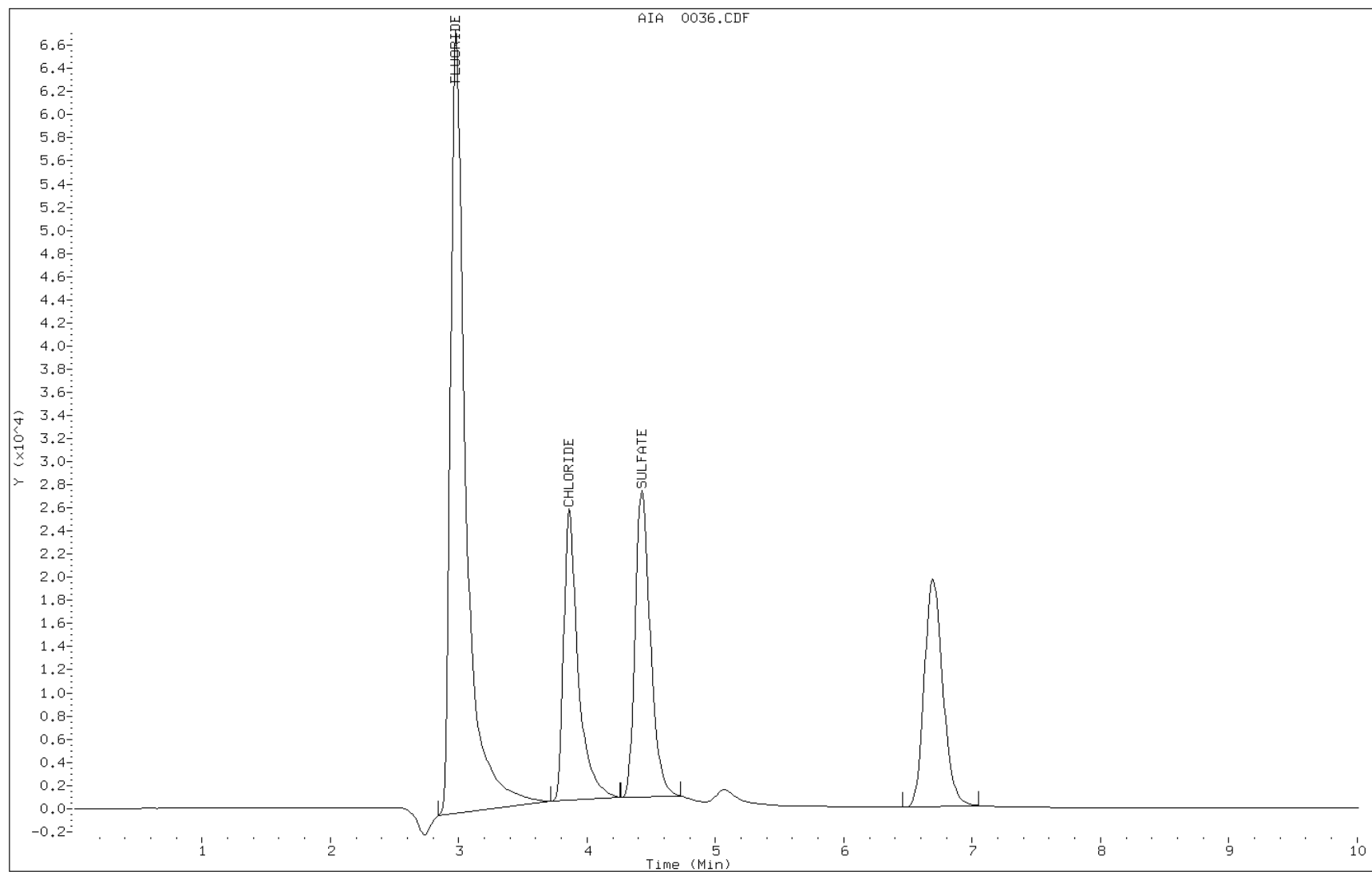
Date: 29-MAR-2010 19:32

Client ID: D=5 1.5% Medium

Instrument: LCGIC.i

Sample Info: 680-56085-B-3~2G032910

Operator: CB



Data File: 0037.d

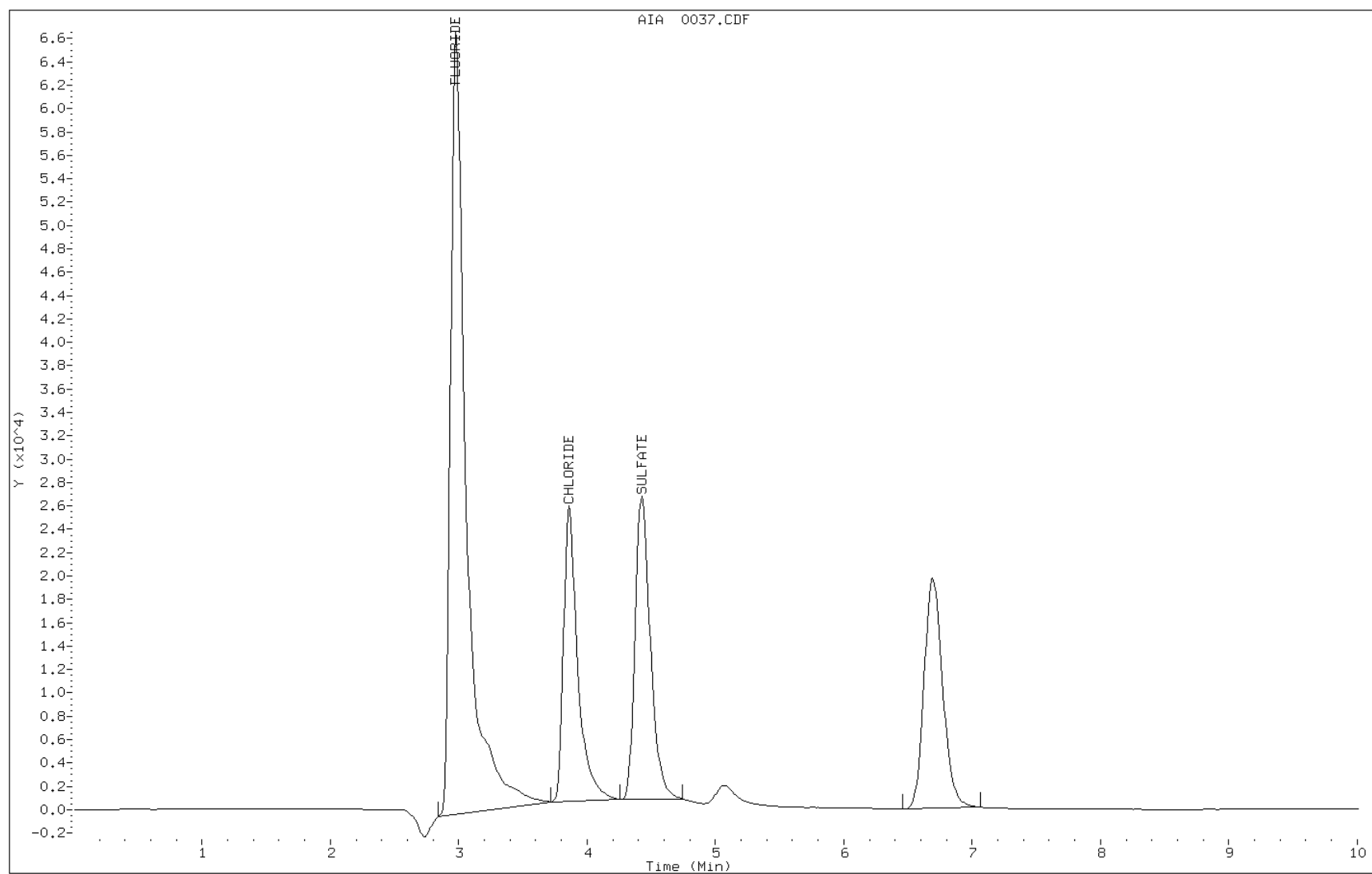
Date: 29-MAR-2010 19:45

Client ID: D=5 1.75% High

Instrument: LCGIC.i

Sample Info: 680-56085-A-4~2G032910

Operator: CB



Data File: 0038.d

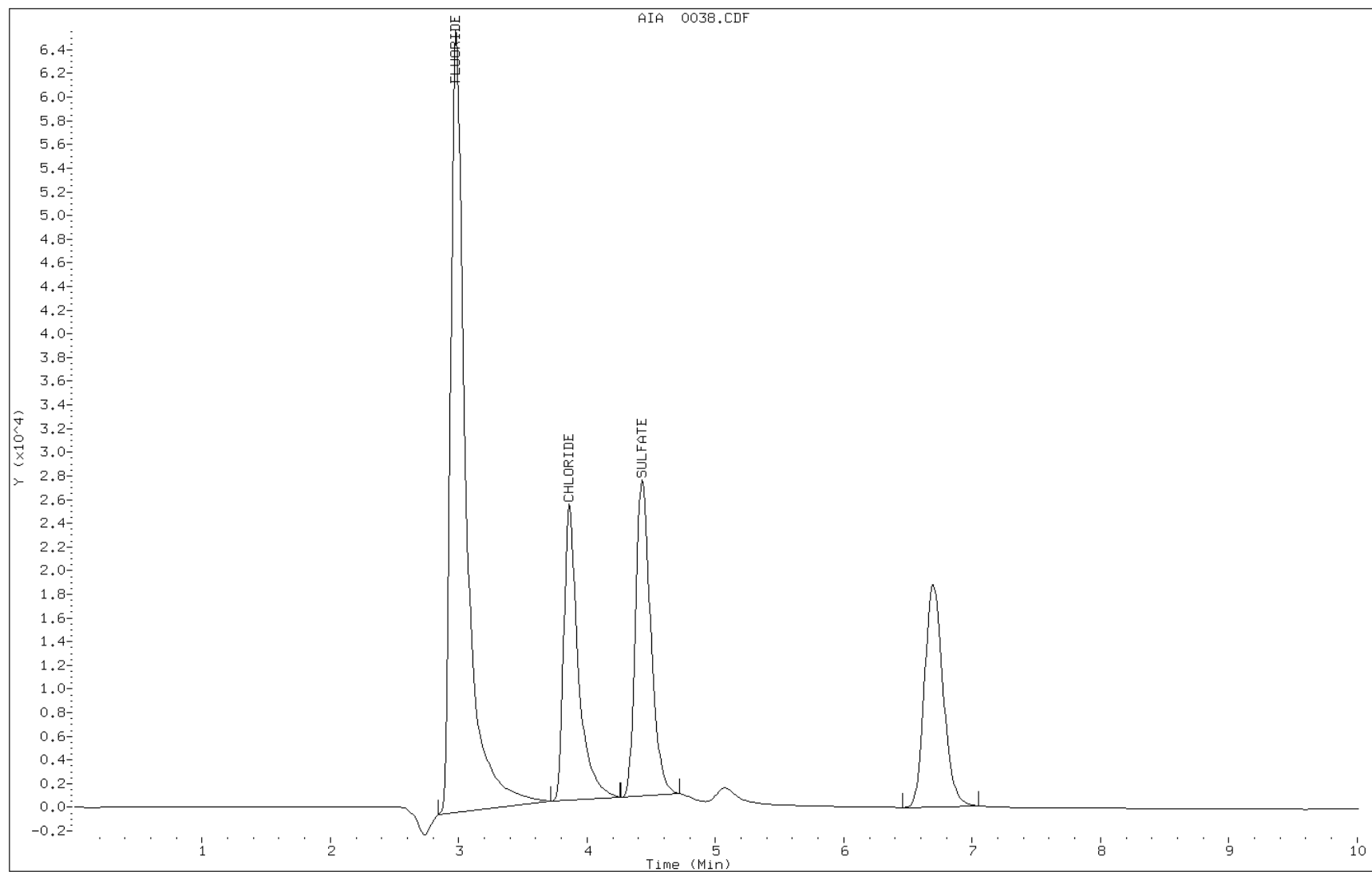
Date: 29-MAR-2010 19:57

Client ID: D=5 1.75% Medium

Instrument: LCGIC.i

Sample Info: 680-56085-B-5~2G032910

Operator: CB



Data File: 0039.d

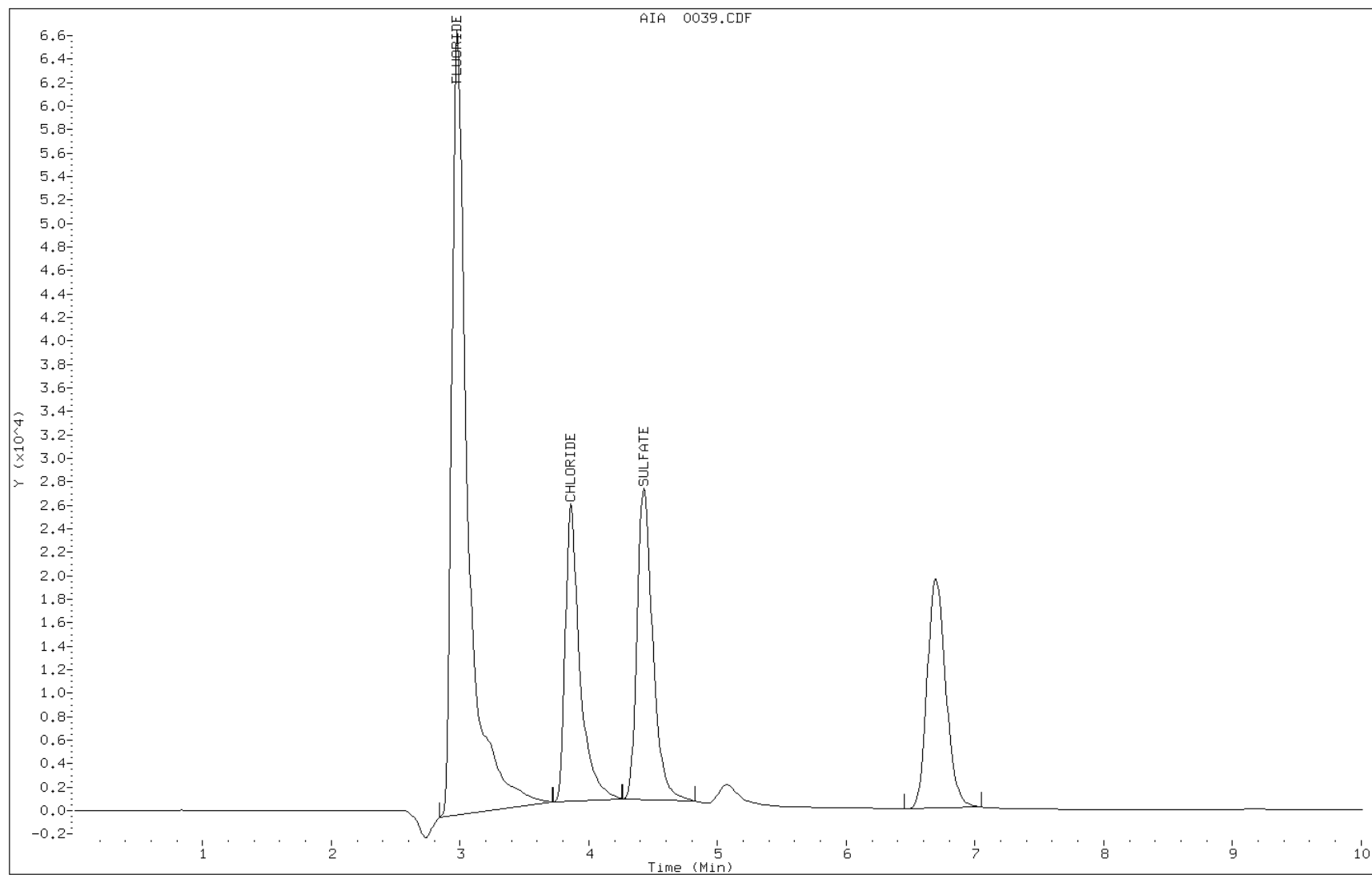
Date: 29-MAR-2010 20:10

Client ID: D=5 2% High

Instrument: LCGIC.i

Sample Info: 680-56085-B-6~2G032910

Operator: CB



Data File: 0040.d

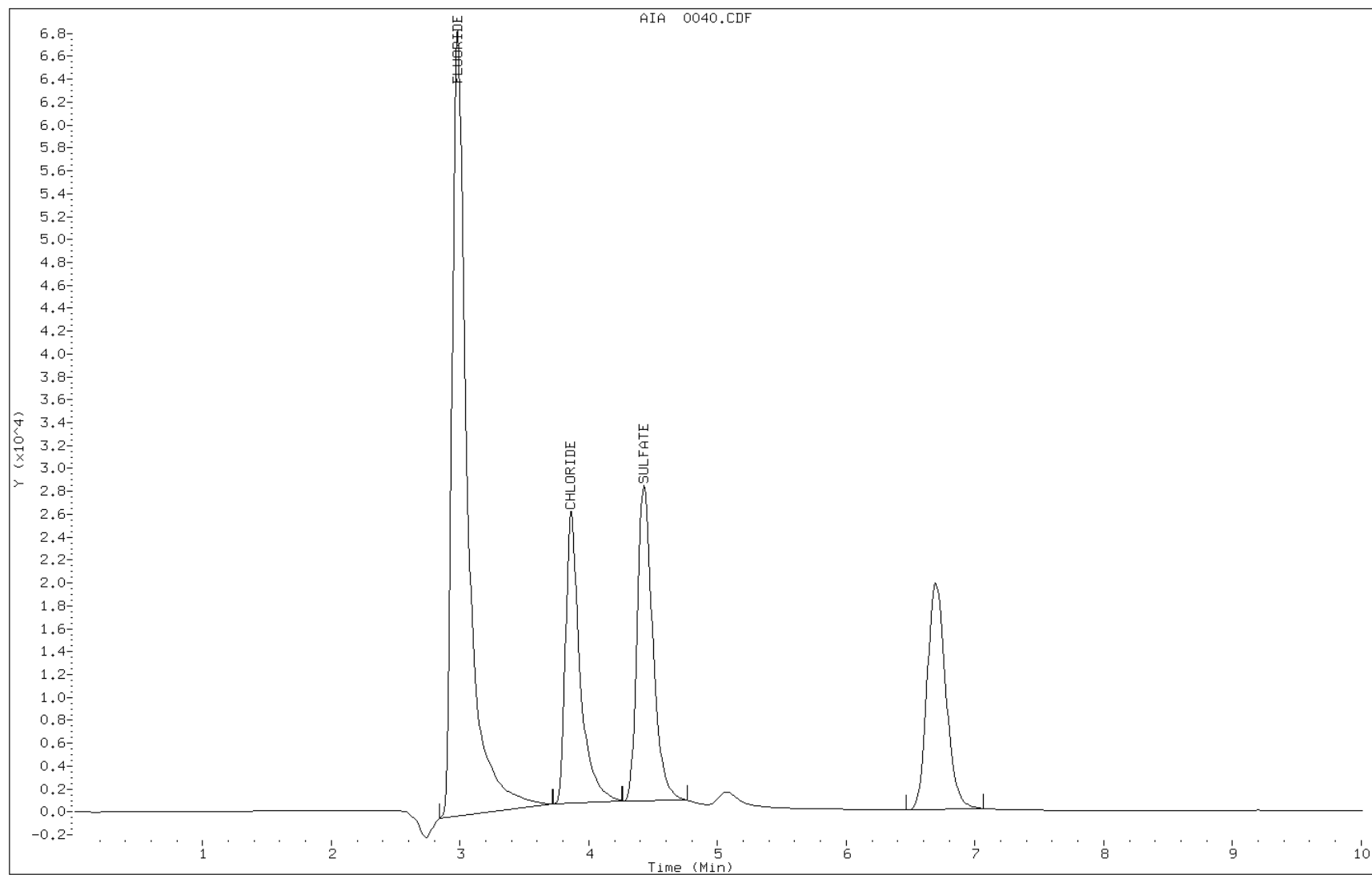
Date: 29-MAR-2010 20:22

Client ID: D=5 2% Medium

Instrument: LCGIC.i

Sample Info: 680-56085-A-7~2G032910

Operator: CB



Data File: 0041.d

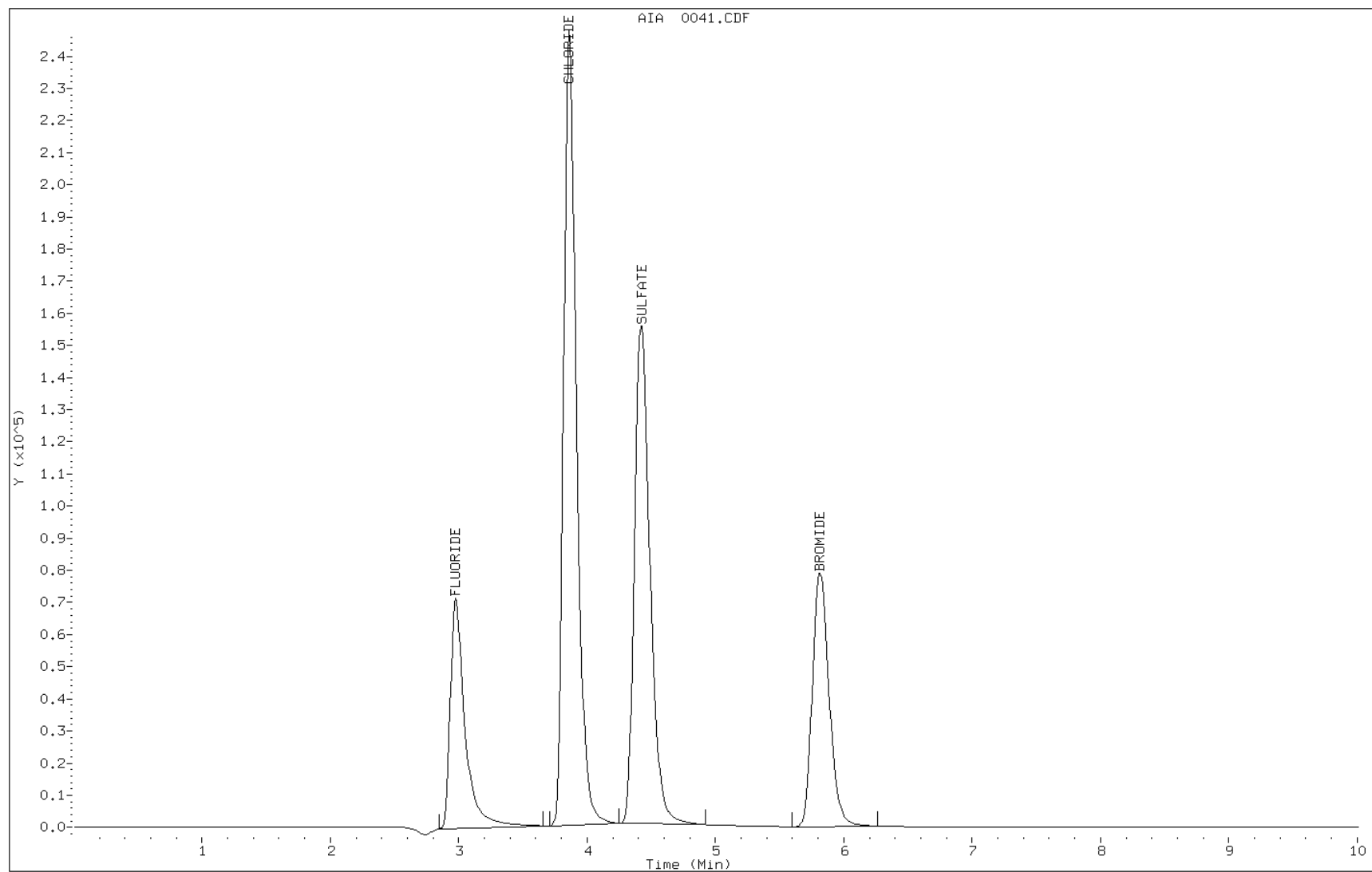
Date: 29-MAR-2010 20:34

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~2G032910

Operator: CB



Data File: 0042.d

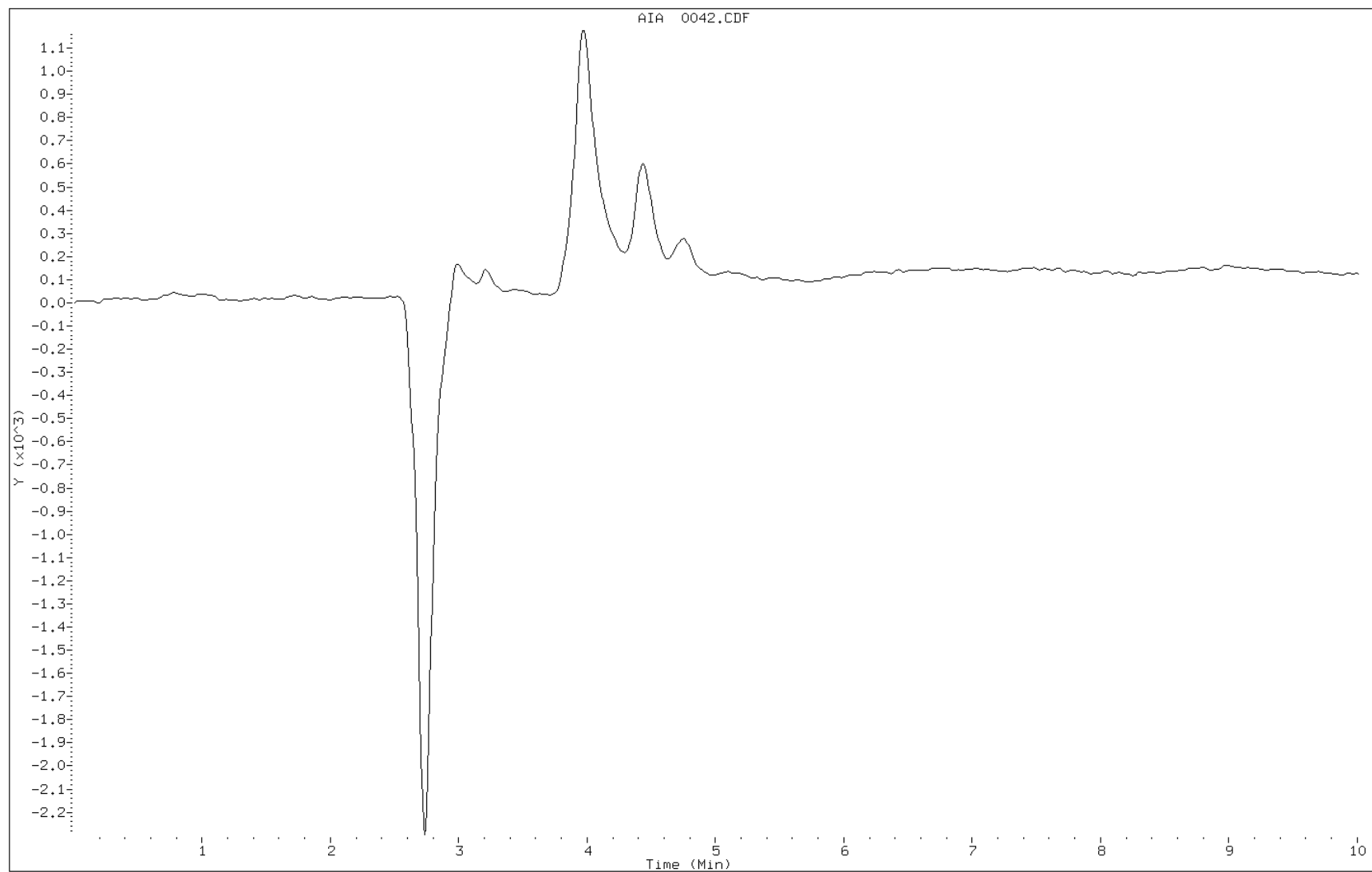
Date: 29-MAR-2010 20:47

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~2G032910

Operator: CB



PC-TitratiON PLUS
Historical Data Report

Run Number		2699		Order Number		20100324-1										Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Acid	Temperature	FCO2				
Tap water	03/24/2010	10:15 AM	-1.00	-1.00	-1.0000	7.87	-1.00	-1.00	-1.03	-.01	.04	-1.00	-1.00	22.25	-.03	-1.0000	-1.000	-1.000	-1.000
Di water	03/24/2010	10:18 AM	.35	.00	2.8571	5.68	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	21.96	-4.21	-1.0000	-1.000	-1.000	-1.000
DI WATER	03/24/2010	10:22 AM	.31	.00	3.2258	5.56	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	21.63	-5.47	-1.0000	-1.000	-1.000	-1.000
DI WATER	03/24/2010	10:26 AM	.26	.00	3.8462	5.55	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	21.61	-5.60	-1.0000	-1.000	-1.000	-1.000
DI	03/24/2010	11:22 AM	.58	.00	1.7241	5.59	.00	4.25	4.25	.00	.00	-1.00	-1.00	22.63	21.92	-1.0000	0.000	0.167	0.230
MB	03/24/2010	11:28 AM	.80	.00	1.2500	5.57	.00	.10	.10	.00	.00	-1.00	-1.00	22.64	.56	-1.0000	0.000	0.045	0.087
LCS	03/24/2010	11:38 AM	1,491.00	.00	0.0007	9.06	331.52	500.99	451.25	49.16	.58	-1.00	-1.00	22.74	.78	-1.0000	8.206	12.401	12.519
680-56058-E-2	03/24/2010	11:43 AM	317.00	.00	0.0032	4.80	.00	-.36	-.36	.00	.00	-1.00	-1.00	23.19	-11.28	-1.0000	0.000	0.033	0.075
640-26775-Q-1	03/24/2010	11:50 AM	340.00	.00	0.0029	7.88	.00	159.04	157.87	1.13	.04	-1.00	-1.00	24.05	4.13	-1.0000	0.000	3.937	4.009
680-56085-B-2	03/24/2010	11:55 AM	225.00	.00	0.0044	6.28	.00	37.54	37.53	.01	.00	-1.00	-1.00	24.17	39.04	-1.0000	0.000	0.929	0.986
680-56085-A-3	03/24/2010	12:00 PM	238.00	.00	0.0042	6.29	.00	37.13	37.12	.01	.00	-1.00	-1.00	23.72	38.18	-1.0000	0.000	0.919	0.974
680-56085-B-4	03/24/2010	12:05 PM	389.00	.00	0.0026	6.28	.00	36.85	36.84	.01	.00	-1.00	-1.00	23.57	38.84	-1.0000	0.000	0.912	0.973
680-56085-A-5	03/24/2010	12:11 PM	349.00	.00	0.0029	6.28	.00	39.42	39.41	.01	.00	-1.00	-1.00	23.41	40.98	-1.0000	0.000	0.976	1.039
680-56085-A-6	03/24/2010	12:16 PM	275.00	.00	0.0036	6.29	.00	38.47	38.46	.01	.00	-1.00	-1.00	23.47	39.03	-1.0000	0.000	0.952	1.009
680-56085-B-7	03/24/2010	12:21 PM	348.00	.00	0.0029	6.28	.00	37.12	37.11	.01	.00	-1.00	-1.00	23.44	38.58	-1.0000	0.000	0.919	0.976
680-56085-B-1	03/24/2010	12:26 PM	215.00	.00	0.0047	6.38	.00	45.16	45.15	.01	.00	-1.00	-1.00	23.44	38.06	-1.0000	0.000	1.118	1.173
680-56085-B-1DU	03/24/2010	12:33 PM	288.00	.00	0.0035	6.37	.00	48.02	48.01	.01	.00	-1.00	-1.00	23.43	40.66	-1.0000	0.000	1.189	1.230
CCVPH	03/24/2010	12:35 PM	-1.00	-1.00	-1.0000	7.05	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	23.25	-.18	-1.0000	-1.000	-1.000	-1.000

Total Dissolved Solids Tare Weight

Method: EPA 160.1 and SM 2540C

Date: 03-24-10

Analyst Initials: MJ

AD Batch: 163831

Balance ID: 1639414
13

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
9	71.0116		
4	73.3040		
3	79.4438		
61	73.1717		
8	79.6743		
2	72.3000		
5	76.2214		
7	74.6131		
70	81.8614		
59	71.3480		
859	77.8565		
74	75.6395		
10	75.075		
84	75.4228		
49	76.2925		

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
25	75.5373		
85	74.9515		
99	78.8426		
100	73.4796		
101	75.6672		
102	72.8617		
103	73.5553		
104	77.9620		
105	77.9229		
106	78.8308		
A1	78.1595		
A2	76.6183		
A3	77.1629		
A4	79.4755		
A5	75.6193		

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: 85

Balance ID: 13

Tare 1 (g): 77.8565

Tare 2 (g): 77.8563

Pass/Fail: Pass

Total Dissolved Solids Tare Weight

Method: EPA 160.1 and SM 2540C

Date: 03-24-10 Analyst Initials: MT AD Batch: 163944 Balance ID: 12

Dish ID	Tare 1 (g)	Tare 2 (g)	Pass/Fail
	= LIMS Tare Weight	= Verification if the Tare Weight Verification below fails	
A6	74.7589		
A7	75.4839		
A8	77.4335		
A9	73.0855		
A10	72.2586		
A11	79.1992		

03-24-10
MT

Dish ID	Tare 1 (g)	Tare 2 (g)	Pass/Fail
	= LIMS Tare Weight	= Verification if the Tare Weight Verification below fails	

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: A7 Balance ID: 13
Tare 1 (g): 75.4839 Tare 2 (g): 75.4841 Pass/Fail: PASS

Total Dissolved Solids Tare Weight

Method: EPA 160.1 and SM 2540C

Date: 03-24-10

Analyst Initials: MJ

AD Batch: 163831

Balance ID: 13

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
9	71.0116		
4	73.3040		
3	79.4438		
61	73.1717		
8	79.6743		
2	72.3000		
5	76.2214		
7	74.6131		
70	81.8614		
59	71.3480		
859	77.8565		
74	75.6395		
10	75.075		
84	75.4228		
49	76.2925		

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
25	75.5373		
85	74.9515		
99	78.8426		
100	73.4796		
101	75.6672		
102	72.8617		
103	73.5553		
104	77.9620		
105	77.9229		
106	78.8308		
A1	78.1595		
A2	76.6183		
A3	77.1629		
A4	79.4755		
A5	75.6193		

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: 85

Balance ID: 13

Tare 1 (g): 77.8565

Tare 2 (g): 77.8563

Pass/Fail: Pass

Total Dissolved Solids Tare Weight

Method: EPA 160.1 and SM 2540C

Date: 03-24-10 Analyst Initials: MT AD Batch: 163944 Balance ID: 12

Dish ID	Tare 1 (g)	Tare 2 (g)	Pass/Fail
	= LIMS Tare Weight	= Verification if the Tare Weight Verification below fails	
A6	74.7589		
A7	75.4839		
A8	77.4335		
A9	73.0855		
A10	72.2586		
A11	79.1992		

03-24-10
MT

Dish ID	Tare 1 (g)	Tare 2 (g)	Pass/Fail
	= LIMS Tare Weight	= Verification if the Tare Weight Verification below fails	

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: A7 Balance ID: 13
Tare 1 (g): 75.4839 Tare 2 (g): 75.4841 Pass/Fail: PASS

	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

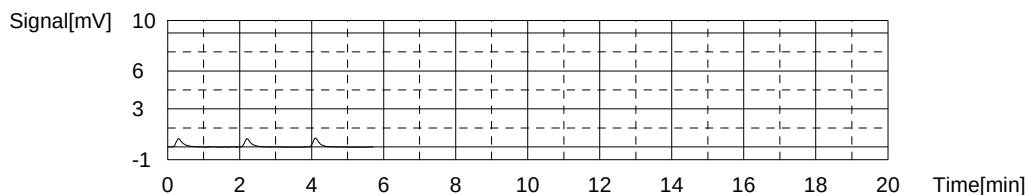
Sample Name: cal10
Sample ID:
Cal. Curve: cal10.2010_03_08_11_20_17.cal
Status Completed

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

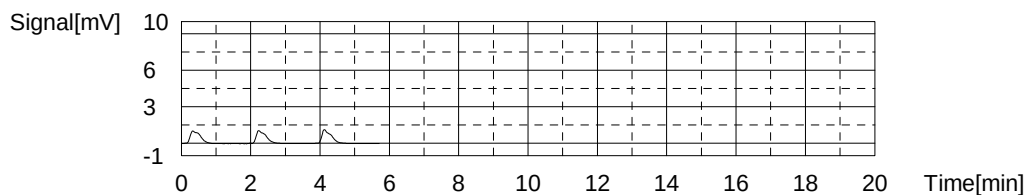
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 0.8143



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

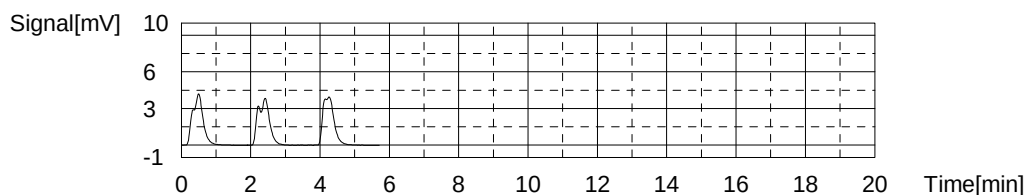
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.026



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

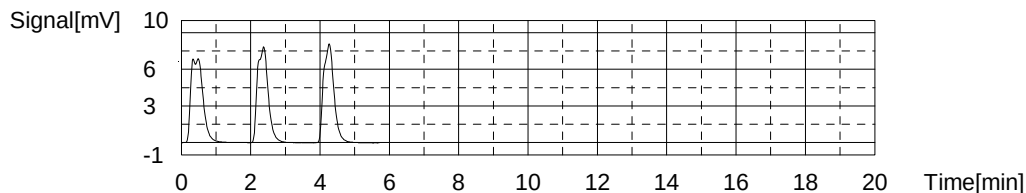
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 8.744



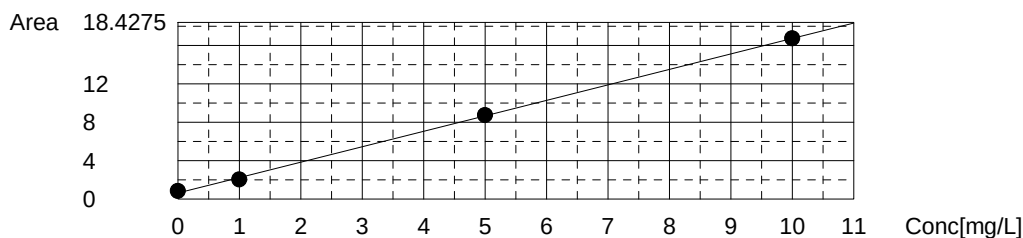
Conc: 10.00mg/L

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

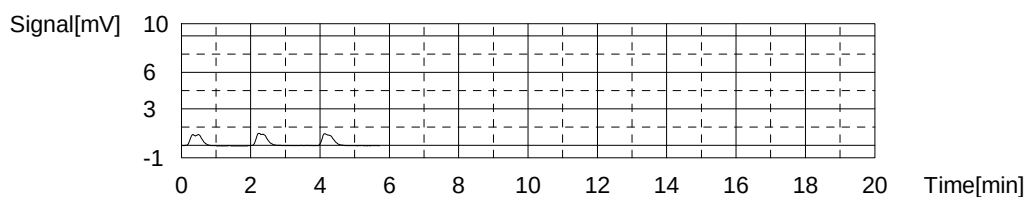
Sample Name: cal100
Sample ID:
Cal. Curve: cal100a.2010_03_08_11_56_47.cal
Status Completed

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

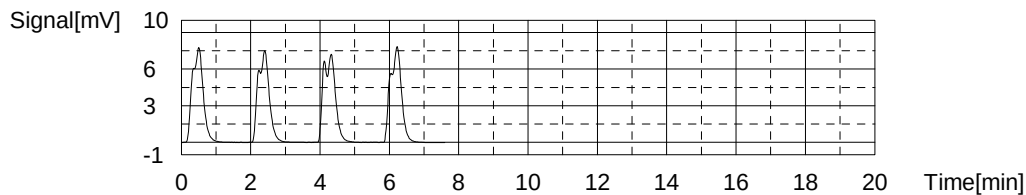
Acid Add. 0.000%
Mean Area 2.045



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

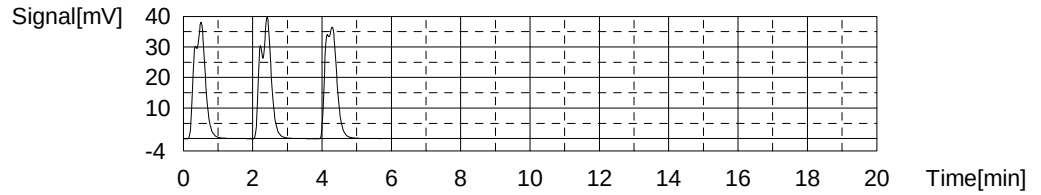
Acid Add. 0.000%
Mean Area 17.18



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

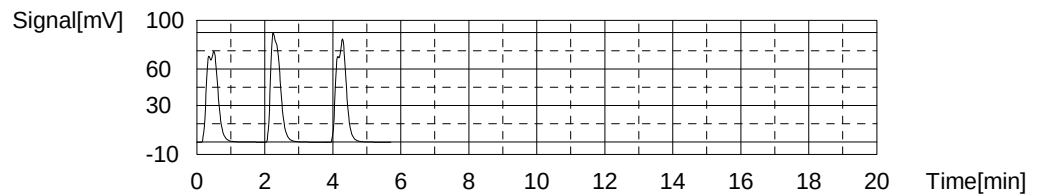
Acid Add. 0.000%
Mean Area 84.52



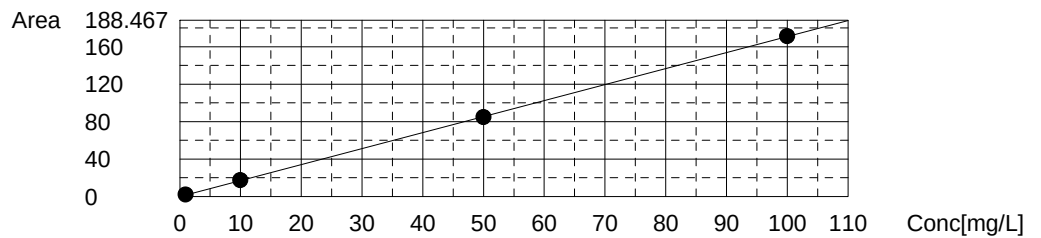
Conc: 100.0mg/L

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

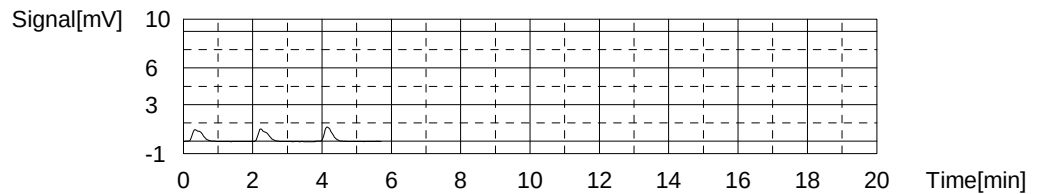
Sample Name: cal500
Sample ID: cal500a.2010_03_08_13_34_57.cal
Cal. Curve: Completed
Status

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

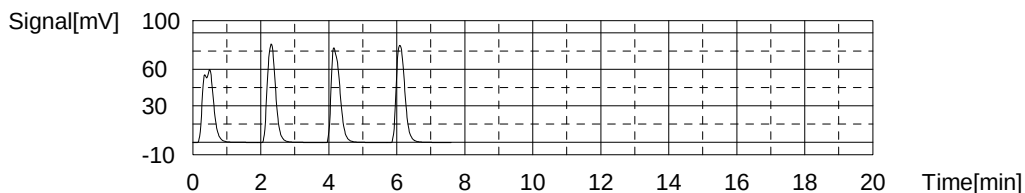
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 1.830



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

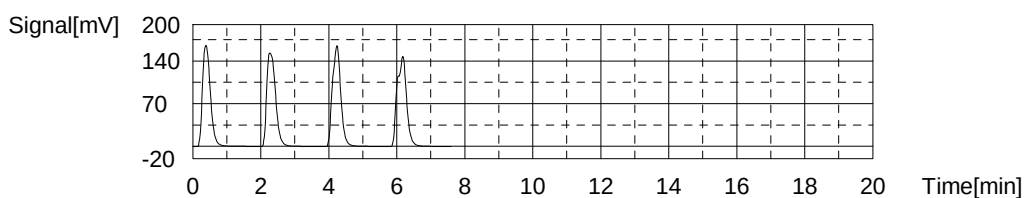
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 138.0



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

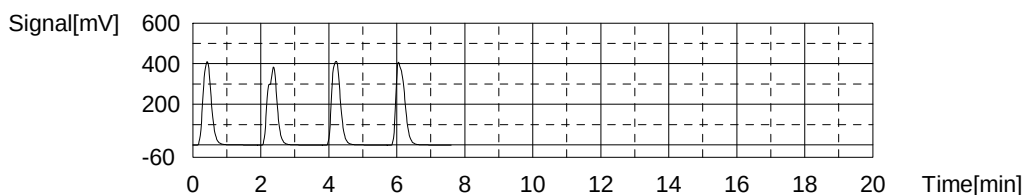
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 280.9



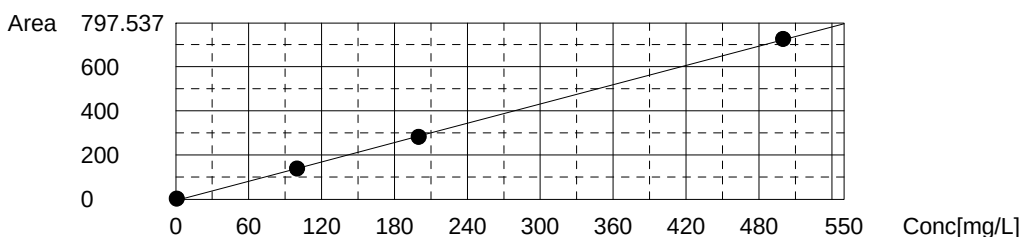
Conc: 500.0mg/L

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:5.045mg/L	Completed	3/24/2010 1:52:11 PM	1
2	CCB		1.000	!!Failed!! NPOC:-0.2243mg/L	Completed	3/24/2010 2:06:32 PM	2
3	BICARB/CARB		1.000	!!Failed!! NPOC:-0.09767mg/L	Completed	3/24/2010 2:26:33 PM	3
4	LCS	TV=20PPM	1.000	NPOC:18.90mg/L	Completed	3/24/2010 2:42:56 PM	4
5	680-55921-b-2		1.000	NPOC:1.870mg/L	Completed	3/24/2010 2:59:20 PM	5
6	680-55921-b-3		1.000	NPOC:1.548mg/L	Completed	3/24/2010 3:13:40 PM	6
7	680-56085-c-1		1.000	NPOC:2.774mg/L	Completed	3/24/2010 3:30:05 PM	7
8	680-56085-c-2		1.000	NPOC:3.142mg/L	Completed	3/24/2010 3:46:29 PM	8
9	680-56085-c-3		1.000	NPOC:2.451mg/L	Completed	3/24/2010 4:04:37 PM	9
10	680-56085-c-4		1.000	NPOC:2.879mg/L	Completed	3/24/2010 4:19:00 PM	10
11	680-56085-c-5		1.000	NPOC:3.784mg/L	Completed	3/24/2010 4:33:23 PM	11
12	680-56085-c-6		1.000	NPOC:2.827mg/L	Completed	3/24/2010 4:49:48 PM	12
13	CCV	TOCCALSTD4-21	1.000	NPOC:49.80mg/L	Completed	3/24/2010 5:06:13 PM	13
14	CCB		1.000	!!Failed!! NPOC:-0.1137mg/L	Completed	3/24/2010 5:20:32 PM	14
15	680-56085-c-7		1.000	NPOC:2.510mg/L	Completed	3/24/2010 5:36:56 PM	15
16	680-55951-k-1		1.000	NPOC:0.1945mg/L	Completed	3/24/2010 5:55:00 PM	16
17	680-55951-k-2		1.000	NPOC:0.3792mg/L	Completed	3/24/2010 6:09:23 PM	17
18	680-55951-k-3		1.000	NPOC:2.243mg/L	Completed	3/24/2010 6:23:45 PM	18
19	680-55951-k-4		1.000	NPOC:6.240mg/L	Completed	3/24/2010 6:38:06 PM	19
20	680-55951-k-5		1.000	NPOC:1.627mg/L	Completed	3/24/2010 6:54:32 PM	20
21	680-55951-k-6		1.000	NPOC:124.5mg/L	Completed	3/24/2010 7:10:57 PM	21
22	680-55953-c-1		1.000	NPOC:2.843mg/L	Completed	3/24/2010 7:27:21 PM	22
23	680-55953-c-2		1.000	NPOC:1.532mg/L	Completed	3/24/2010 7:43:46 PM	23
24	680-55953-c-2 DU		1.000	NPOC:1.605mg/L	Completed	3/24/2010 7:54:36 PM	23
25	CCV	TOCCALSTD6-22	1.000	NPOC:196.6mg/L	Completed	3/24/2010 8:11:01 PM	24
26	CCB		1.000	!!Failed!! NPOC:-0.01501mg/L	Completed	3/24/2010 8:25:21 PM	25
27	680-55997-k-7		1.000	NPOC:30.52mg/L	Completed	3/24/2010 8:41:47 PM	26
28	680-55997-k-7 MS		1.000	NPOC:50.99mg/L	Completed	3/24/2010 8:58:11 PM	27
29	680-55997-k-7 MSD		1.000	NPOC:51.30mg/L	Completed	3/24/2010 9:11:04 PM	27
30	680-55997-k-11		1.000	NPOC:22.74mg/L	Completed	3/24/2010 9:27:27 PM	28
31	680-55997-k-12		1.000	NPOC:69.46mg/L	Completed	3/24/2010 9:43:51 PM	29
32	CCV	TOCCALSTD6-22	1.000	NPOC:197.3mg/L	Completed	3/24/2010 10:00:29 PM	24
33	CCB		1.000	!!Failed!! NPOC:-0.00291mg/L	Completed	3/24/2010 10:14:51 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

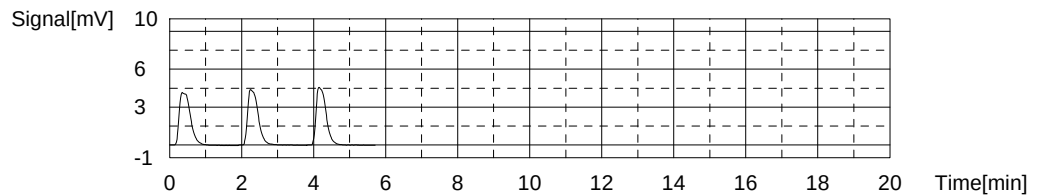
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.045mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.855	5.099mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 1:48:04 PM
2	8.783	5.055mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 1:50:07 PM
3	8.666	4.982mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 1:52:11 PM

Mean Area 8.768
Mean Conc. 5.045mg/L



Sample

Sample Name: CCB
Sample ID: TOC415.1A.met
Origin: TOC415.1A.met
Status Completed
Chk. Result

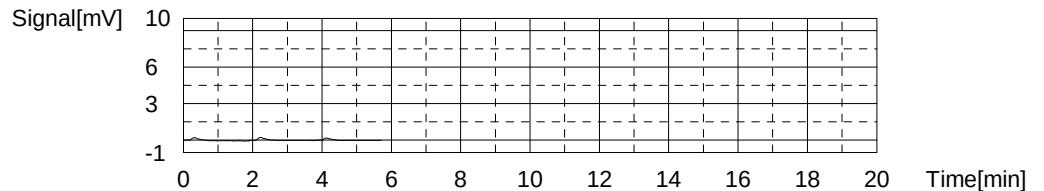
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!!Failed!! NPOC:-0.2243mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2608	-0.2340mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:02:26 PM
2	0.3257	-0.1938mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:04:29 PM
3	0.2430	-0.2451mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:06:32 PM

Mean Area 0.2765
Mean Conc. -0.2243mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

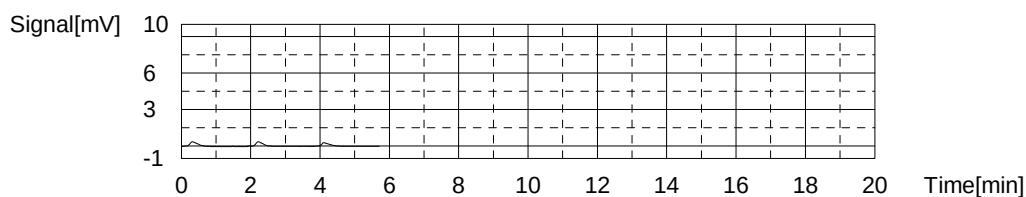
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.09767mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5099	-0.07945mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:22:26 PM
2	0.4994	-0.08596mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:24:29 PM
3	0.4323	-0.1276mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:26:33 PM

Mean Area 0.4805
Mean Conc. -0.09767mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status: Completed
Chk. Result

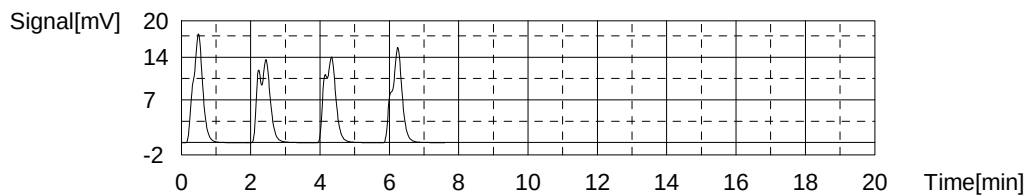
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.58	20.44mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 2:36:47 PM
2	32.48	19.02mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 2:38:50 PM
3	32.24	18.88mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 2:40:53 PM
4	32.09	18.79mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 2:42:56 PM

Mean Area 32.27
Mean Conc. 18.90mg/L



Sample

Sample Name: 680-55921-b-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

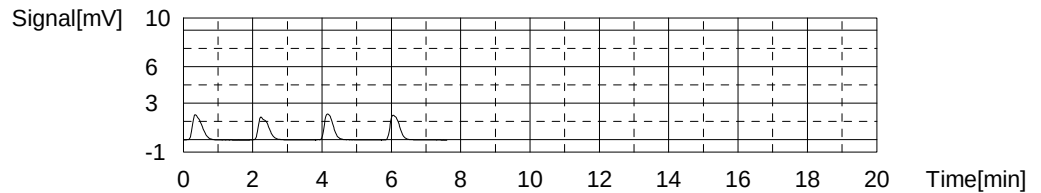
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.870mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.827	1.979mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 2:53:11 PM
2	3.737	1.923mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:55:14 PM
3	3.587	1.830mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:57:17 PM
4	3.630	1.857mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 2:59:20 PM

Mean Area 3.651
Mean Conc. 1.870mg/L



Sample

Sample Name: 680-55921-b-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

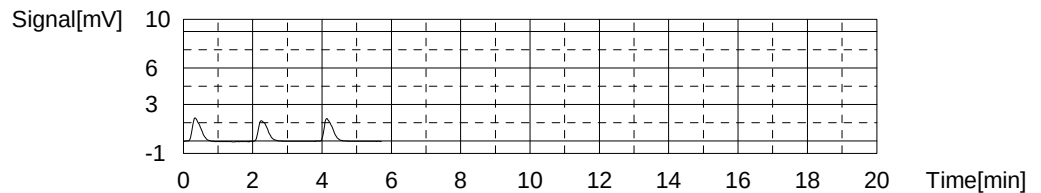
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.548mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.166	1.569mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:09:34 PM
2	3.118	1.539mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:11:37 PM
3	3.114	1.537mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:13:40 PM

Mean Area 3.133
Mean Conc. 1.548mg/L



Sample

Sample Name: 680-56085-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.774mg/L

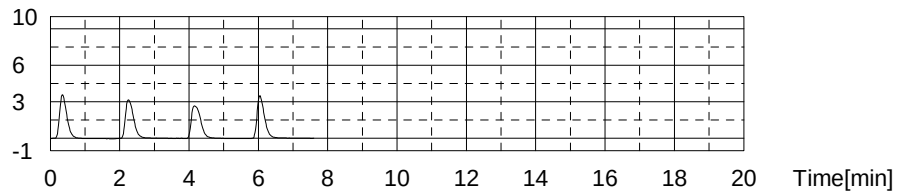
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.148	2.799mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:23:56 PM
2	5.080	2.757mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:25:59 PM
3	4.947	2.674mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 3:28:02 PM
4	5.096	2.767mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:30:05 PM

Mean Area 5.108
Mean Conc. 2.774mg/L

Signal[mV]



Sample

Sample Name: 680-56085-c-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.142mg/L

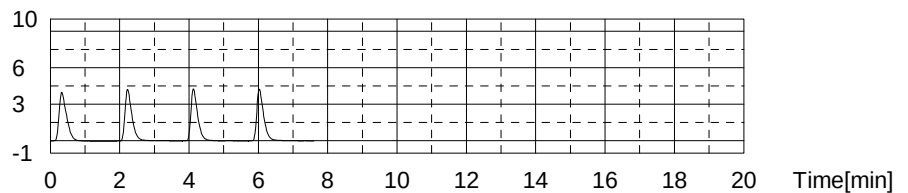
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.922	3.279mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 3:40:20 PM
2	5.739	3.166mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:42:23 PM
3	5.684	3.131mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:44:26 PM
4	5.681	3.130mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 3:46:29 PM

Mean Area 5.701
Mean Conc. 3.142mg/L

Signal[mV]



Sample

Sample Name: 680-56085-c-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

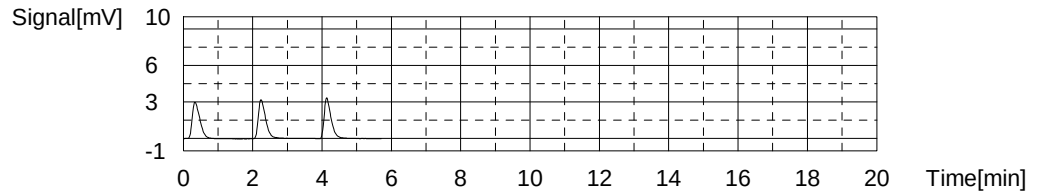
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.451mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.492	2.392mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:00:31 PM
2	4.656	2.493mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:02:34 PM
3	4.614	2.467mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:04:37 PM

Mean Area 4.587
Mean Conc. 2.451mg/L



Sample

Sample Name: 680-56085-c-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

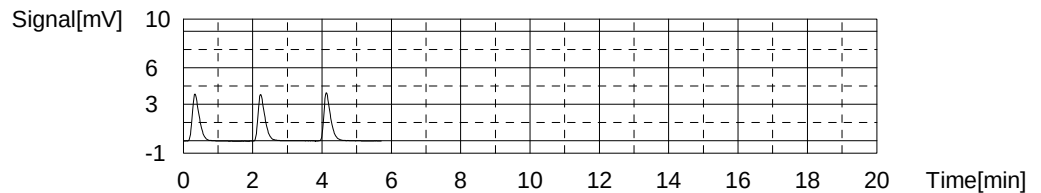
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.879mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.324	2.908mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:14:54 PM
2	5.298	2.892mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:16:57 PM
3	5.211	2.838mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:19:00 PM

Mean Area 5.278
Mean Conc. 2.879mg/L



Sample

Sample Name: 680-56085-c-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

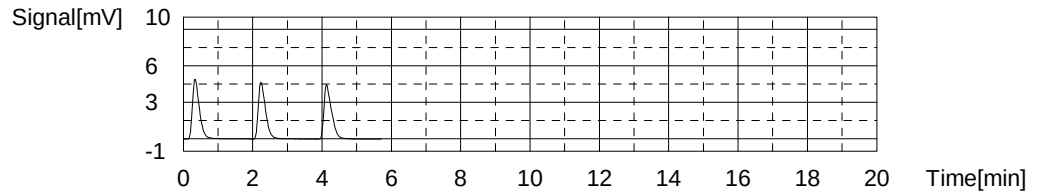
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.784mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.752	3.794mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:29:17 PM
2	6.743	3.789mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:31:20 PM
3	6.712	3.769mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:33:23 PM

Mean Area 6.736
Mean Conc. 3.784mg/L



Sample

Sample Name: 680-56085-c-6
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

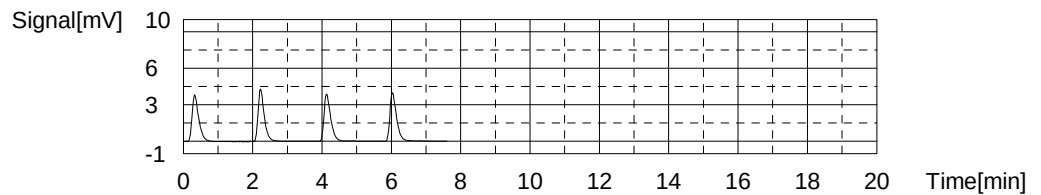
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.827mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.016	2.717mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 4:43:38 PM
2	5.260	2.868mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:45:42 PM
3	5.101	2.770mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:47:45 PM
4	5.218	2.842mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 4:49:48 PM

Mean Area 5.193
Mean Conc. 2.827mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-21
Origin: TOC415.1A.met
Status: Completed
Chk. Result

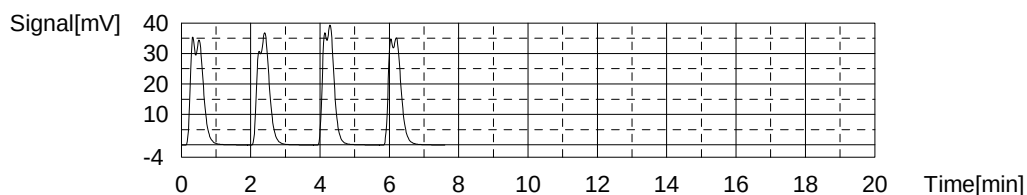
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.40	52.60mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 5:00:03 PM
2	84.25	49.31mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 5:02:06 PM
3	85.91	50.28mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 5:04:09 PM
4	85.12	49.82mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 5:06:13 PM

Mean Area 85.09
Mean Conc. 49.80mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

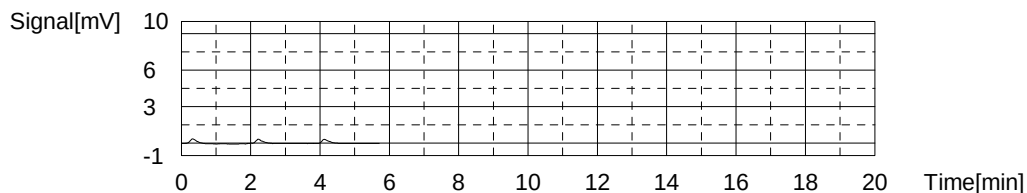
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1137mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4855	-0.09459mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:16:25 PM
2	0.4159	-0.1378mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:18:28 PM
3	0.4629	-0.1086mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:20:32 PM

Mean Area 0.4548
Mean Conc. -0.1137mg/L



Sample

Sample Name: 680-56085-c-7
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

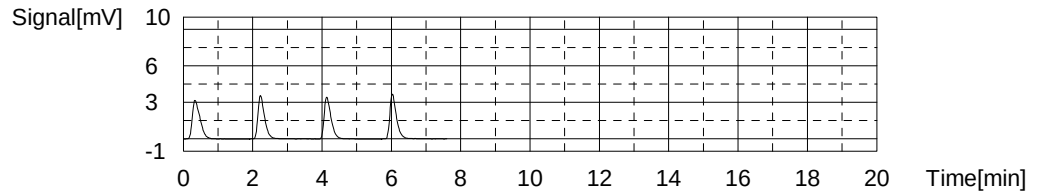
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.510mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.827	2.600mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 5:30:47 PM
2	4.631	2.478mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:32:50 PM
3	4.687	2.513mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:34:53 PM
4	4.730	2.539mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:36:56 PM

Mean Area 4.683
Mean Conc. 2.510mg/L



Sample

Sample Name: 680-55951-k-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

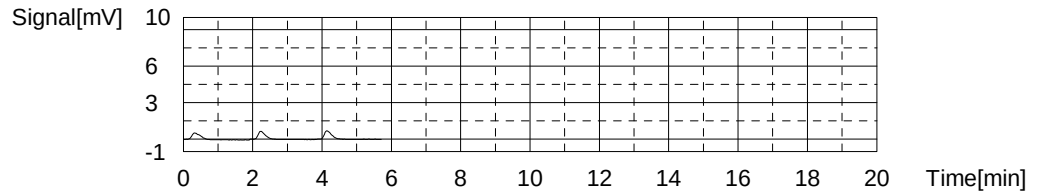
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1945mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8777	0.1488mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:50:53 PM
2	0.9434	0.1896mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:52:57 PM
3	1.033	0.2452mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 5:55:00 PM

Mean Area 0.9514
Mean Conc. 0.1945mg/L



Sample

Sample Name: 680-55951-k-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

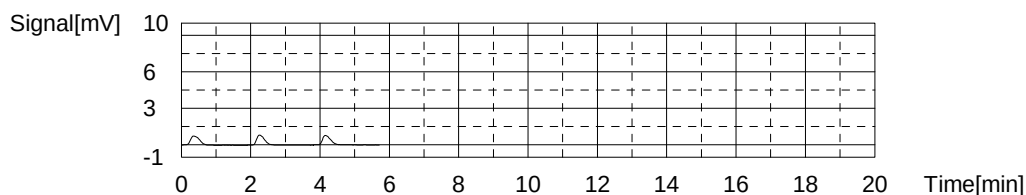
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3792mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.277	0.3966mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:05:17 PM
2	1.244	0.3761mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:07:20 PM
3	1.226	0.3649mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:09:23 PM

Mean Area 1.249
Mean Conc. 0.3792mg/L



Sample

Sample Name: 680-55951-k-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

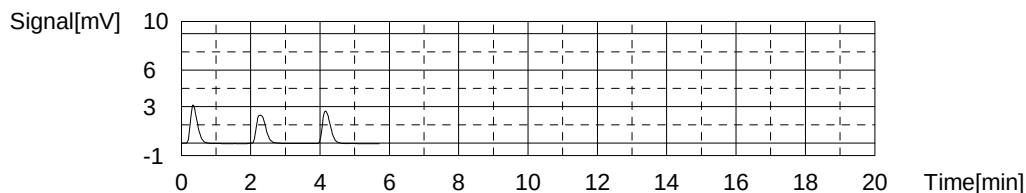
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.243mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.227	2.227mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:19:38 PM
2	4.300	2.273mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:21:41 PM
3	4.229	2.228mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:23:45 PM

Mean Area 4.252
Mean Conc. 2.243mg/L



Sample

Sample Name: 680-55951-k-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

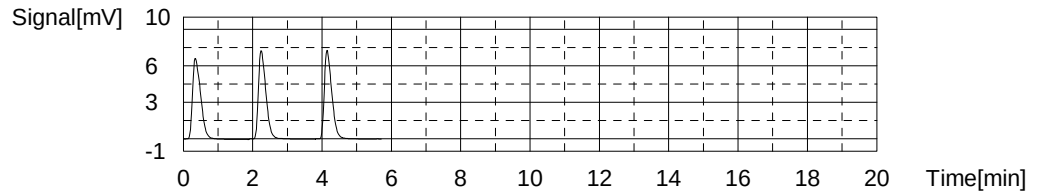
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.240mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.64	6.207mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:34:00 PM
2	10.72	6.257mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:36:03 PM
3	10.72	6.257mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:38:06 PM

Mean Area 10.69
Mean Conc. 6.240mg/L



Sample

Sample Name: 680-55951-k-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

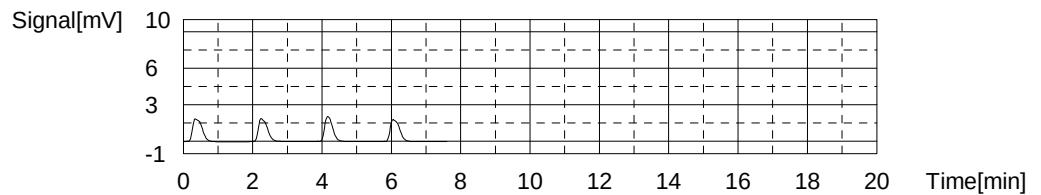
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.627mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.448	1.744mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 6:48:22 PM
2	3.310	1.658mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:50:25 PM
3	3.207	1.594mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:52:29 PM
4	3.262	1.628mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 6:54:32 PM

Mean Area 3.260
Mean Conc. 1.627mg/L



Sample

Sample Name: 680-55951-k-6
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

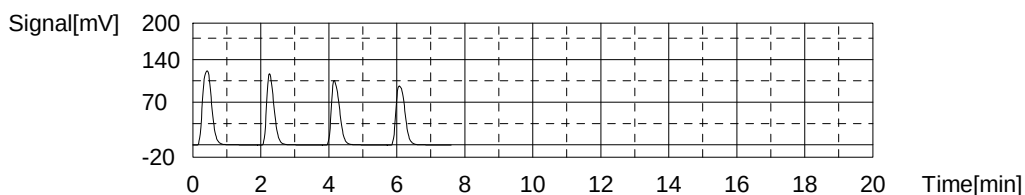
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:124.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	225.2	139.4mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 7:04:47 PM
2	176.1	124.4mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 7:06:50 PM
3	175.9	124.2mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 7:08:53 PM
4	177.0	125.0mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 7:10:57 PM

Mean Area 176.3
Mean Conc. 124.5mg/L



Sample

Sample Name: 680-55953-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

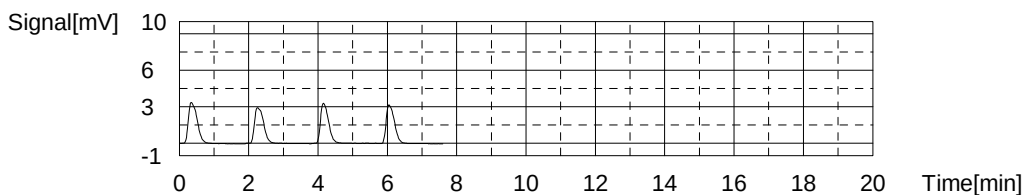
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.843mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.861	3.241mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 7:21:11 PM
2	5.246	2.860mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:23:15 PM
3	5.216	2.841mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:25:18 PM
4	5.197	2.829mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:27:21 PM

Mean Area 5.220
Mean Conc. 2.843mg/L



Sample

Sample Name: 680-55953-c-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

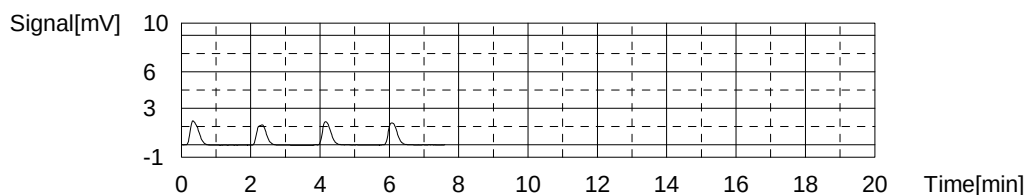
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.532mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.279	1.639mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	3/24/2010 7:37:36 PM
2	3.123	1.542mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:39:39 PM
3	3.082	1.517mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:41:42 PM
4	3.117	1.538mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:43:46 PM

Mean Area 3.107
Mean Conc. 1.532mg/L



Sample

Sample Name: 680-55953-c-2 DU
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

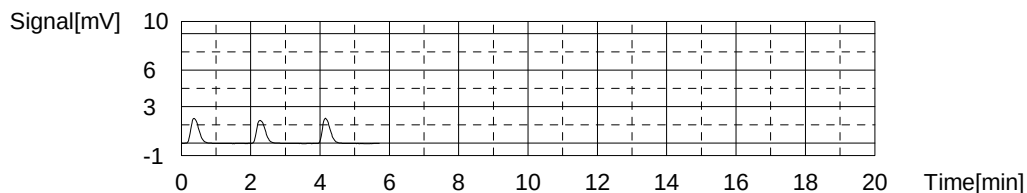
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.605mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.243	1.617mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:50:29 PM
2	3.214	1.599mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:52:32 PM
3	3.215	1.599mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 7:54:36 PM

Mean Area 3.224
Mean Conc. 1.605mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status: Completed
Chk. Result

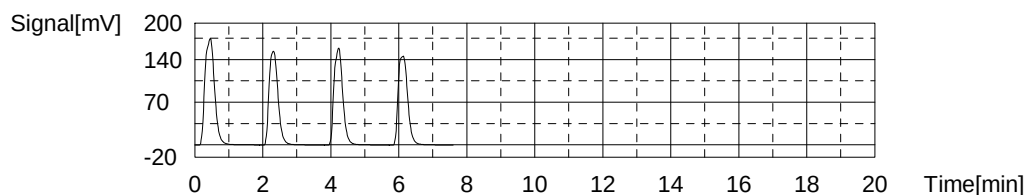
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:196.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	342.3	212.0mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 8:04:50 PM
2	279.2	195.3mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 8:06:54 PM
3	282.6	197.6mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 8:08:57 PM
4	281.5	196.8mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 8:11:01 PM

Mean Area 281.1
Mean Conc. 196.6mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

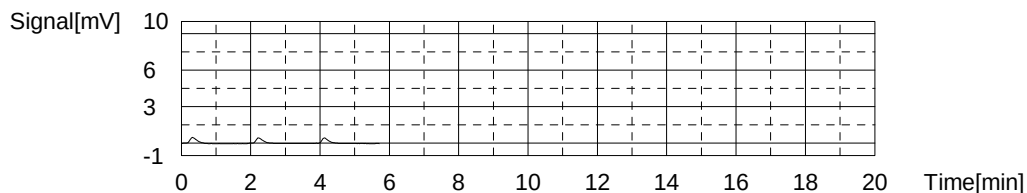
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01501mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6434	0.00340mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 8:21:14 PM
2	0.6241	-0.00858mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 8:23:17 PM
3	0.5737	-0.03986mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 8:25:21 PM

Mean Area 0.6137
Mean Conc. -0.01501mg/L



Sample

Sample Name: 680-55997-k-7
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

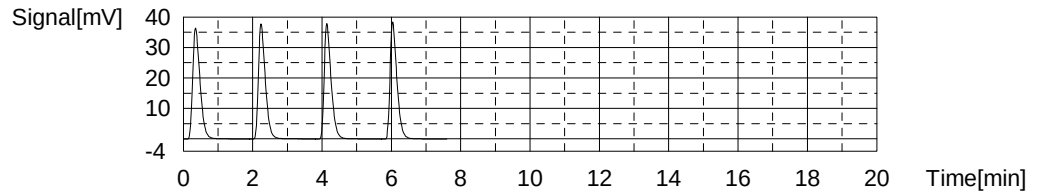
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:30.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	53.09	32.55mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 8:35:36 PM
2	52.13	30.51mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 8:37:40 PM
3	52.04	30.46mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 8:39:43 PM
4	52.26	30.59mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 8:41:47 PM

Mean Area 52.14
Mean Conc. 30.52mg/L



Sample

Sample Name: 680-55997-k-7 MS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

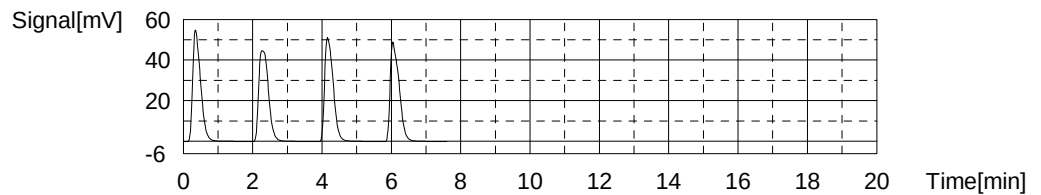
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.45	53.25mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 8:52:01 PM
2	87.24	51.06mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 8:54:04 PM
3	87.22	51.05mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 8:56:08 PM
4	86.89	50.85mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 8:58:11 PM

Mean Area 87.12
Mean Conc. 50.99mg/L



Sample

Sample Name: 680-55997-k-7 MSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

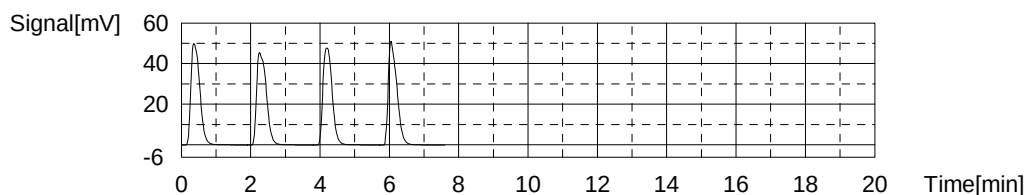
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:51.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.71	54.65mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 9:04:54 PM
2	87.76	51.36mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:06:58 PM
3	87.53	51.23mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:09:01 PM
4	87.67	51.31mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:11:04 PM

Mean Area 87.65
Mean Conc. 51.30mg/L



Sample

Sample Name: 680-55997-k-11
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

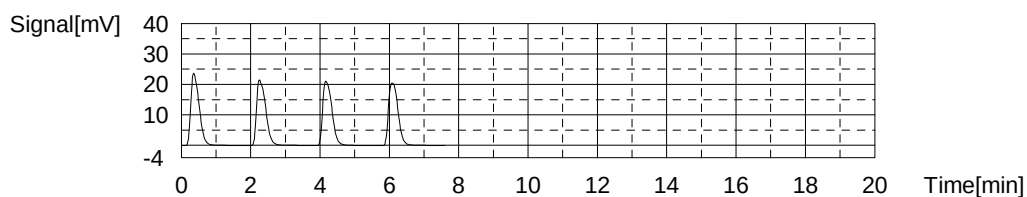
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.74mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.24	23.96mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 9:21:17 PM
2	39.09	22.89mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:23:20 PM
3	38.69	22.65mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:25:23 PM
4	38.72	22.67mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:27:27 PM

Mean Area 38.83
Mean Conc. 22.74mg/L



Sample

Sample Name: 680-55997-k-12
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

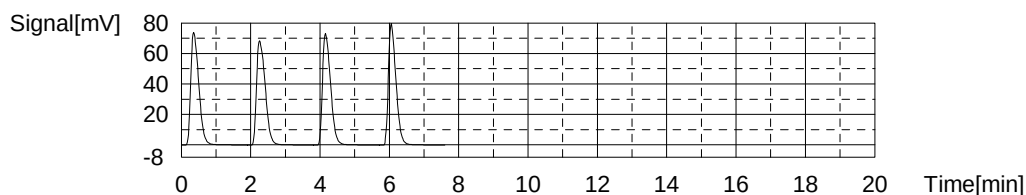
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:69.46mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.2	72.95mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 9:37:41 PM
2	118.6	69.41mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:39:45 PM
3	118.0	69.05mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:41:48 PM
4	119.5	69.93mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	3/24/2010 9:43:51 PM

Mean Area 118.7
Mean Conc. 69.46mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status: Completed
Chk. Result

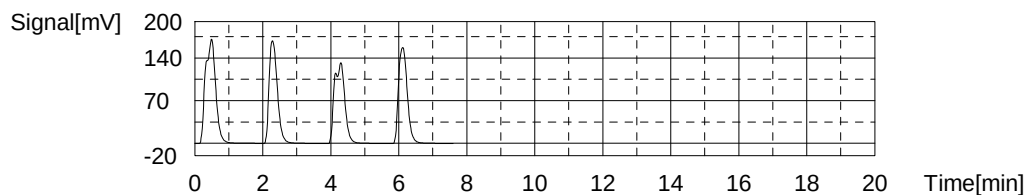
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:197.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	356.6	220.9mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	3/24/2010 9:54:19 PM
2	283.0	197.9mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 9:56:22 PM
3	281.5	196.8mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 9:58:26 PM
4	282.1	197.3mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	3/24/2010 10:00:29 PM

Mean Area 282.2
Mean Conc. 197.3mg/L



Sample

Sample Name: CCB
Sample ID: TOC415.1A.met
Origin: TOC415.1A.met
Status: Completed
Chk. Result

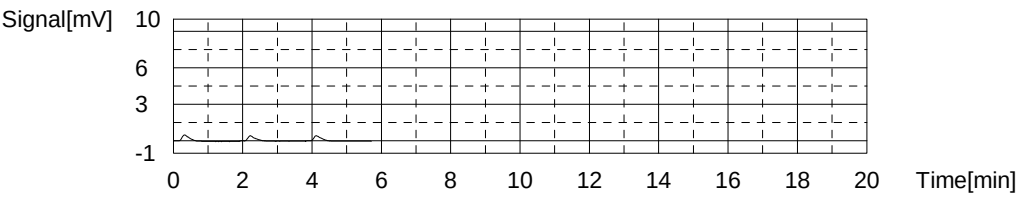
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.00291mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6970	0.03666mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 10:10:44 PM
2	0.5762	-0.03830mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 10:12:48 PM
3	0.6265	-0.00709mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	3/24/2010 10:14:51 PM

Mean Area 0.6332
Mean Conc. -0.00291mg/L



General Chemistry Worksheet

Batch Number: 680-163831

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 8:57AM

Batch End: Mar 25 2010 5:48PM

Lab ID	Client ID	Method Chain	Basis	Conductivity of sample	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing
MB~680-163831/1		SM 2540C			9	100 mL	71.0116 g	71.0118 g	71.0117 g
LCS~680-163831/2		SM 2540C			4	100 mL	73.3040 g	73.3514 g	73.3512 g
LCS~680-163831/3		SM 2540C			3	100 mL	79.4438 g	79.4918 g	79.4920 g
680-55952-A-2			T	2950.00 umhos/cm	61	50 mL	73.1717 g	73.2626 g	73.2623 g
680-55952-A-2~DU			T	2950.00 umhos/cm	8	50 mL	79.6743 g	79.7650 g	79.7647 g
680-56022-G-9			T	1192.00 umhos/cm	2	100 mL	72.3000 g	72.3809 g	72.3809 g
680-56003-I-1			T	84.60 umhos/cm	5	100 mL	76.2214 g	76.2267 g	76.2268 g
680-56045-D-1			T	4050.00 umhos/cm	7	50 mL	74.6131 g	74.8255 g	74.8252 g
680-56022-G-10			T	1189.00 umhos/cm	70	100 mL	81.8614 g	81.9427 g	81.9429 g
680-55997-B-7			T	637.00 umhos/cm	59	100 mL	71.3480 g	71.3783 g	71.3782 g
680-56022-G-7			T	1471.00 umhos/cm	859	100 mL	77.8565 g	77.9963 g	77.9959 g
680-56022-A-12			T	1663.00 umhos/cm	74	100 mL	75.6395 g	75.7667 g	75.7667 g
680-55997-B-11			T	1085.00 umhos/cm	10	100 mL	75.0175 g	75.0525 g	75.0524 g
680-56022-G-8			T	1467.00 umhos/cm	84	100 mL	75.4228 g	75.5162 g	75.5161 g
680-56022-A-13			T	1377.00 umhos/cm	49	100 mL	76.2925 g	76.3844 g	76.3846 g
680-56022-A-13~DU			T	1377.00 umhos/cm	25	100 mL	75.5373 g	75.6286 g	75.6286 g
680-55997-B-12			T	1307.00 umhos/cm	85	100 mL	74.9515 g	74.9873 g	74.9870 g
680-55999-K-1			T	264.00 umhos/cm	99	100 mL	78.8426 g	78.8585 g	78.8587 g
680-56000-I-1			T	324.00 umhos/cm	100	100 mL	73.4790 g	73.5000 g	73.4996 g
680-56009-A-1			T	11350.00 umhos/cm	101	5 mL	75.0672 g	75.1138 g	75.1139 g
680-55991-H-5			T	84.80 umhos/cm	102	100 mL	72.8617 g	72.8679 g	72.8681 g
640-26775-Y-1			T	334.00 umhos/cm	103	100 mL	73.5553 g	73.5757 g	73.5759 g
680-56085-A-1	D=5 Control	SM 2540C	T	308.00 umhos/cm	104	100 mL	77.9620 g	77.9874 g	77.9875 g
680-56085-A-2	D=5 1.5% High	SM 2540C	T	397.00 umhos/cm	105	100 mL	77.9229 g	77.9633 g	77.9634 g
680-56085-B-3	D=5 1.5% Medium	SM 2540C	T	355.00 umhos/cm	106	100 mL	78.8308 g	78.8606 g	78.8606 g

General Chemistry Worksheet

Batch Number: 680-163831

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 8:57AM

Batch End: Mar 25 2010 5:48PM

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_00082
MB~680-163831/1		SM 2540C		0 g	PASS_D	0.0002 g	0.0001 g	100 mL	
LCS~680-163831/2		SM 2540C		0 g	PASS_D	0.0474 g	0.0472 g	100 mL	100 mL
LCS~680-163831/3		SM 2540C		0 g	PASS_D	0.0480 g	0.0482 g	100 mL	100 mL
680-55952-A-2			T	0 g	PASS_D	0.0909 g	0.0906 g	100 mL	
680-55952-A-2~DU			T	0 g	PASS_D	0.0907 g	0.0904 g	100 mL	
680-56022-G-9			T	0 g	PASS_D	0.0809 g	0.0809 g	100 mL	
680-56003-I-1			T	0 g	PASS_D	0.0053 g	0.0054 g	100 mL	
680-56045-D-1			T	0 g	PASS_D	0.2124 g	0.2121 g	100 mL	
680-56022-G-10			T	0 g	PASS_D	0.0813 g	0.0815 g	100 mL	
680-55997-B-7			T	0 g	PASS_D	0.0303 g	0.0302 g	100 mL	
680-56022-G-7			T	0 g	PASS_D	0.1398 g	0.1394 g	100 mL	
680-56022-A-12			T	0 g	PASS_D	0.1272 g	0.1272 g	100 mL	
680-55997-B-11			T	0 g	PASS_D	0.0350 g	0.0349 g	100 mL	
680-56022-G-8			T	0 g	PASS_D	0.0934 g	0.0933 g	100 mL	
680-56022-A-13			T	0 g	PASS_D	0.0919 g	0.0921 g	100 mL	
680-56022-A-13~DU			T	0 g	PASS_D	0.0913 g	0.0913 g	100 mL	
680-55997-B-12			T	0 g	PASS_D	0.0358 g	0.0355 g	100 mL	
680-55999-K-1			T	0 g	PASS_D	0.0159 g	0.0161 g	100 mL	
680-56000-I-1			T	0 g	PASS_D	0.0210 g	0.0206 g	100 mL	
680-56009-A-1			T	0 g	PASS_D	0.0466 g	0.0467 g	100 mL	
680-55991-H-5			T	0 g	PASS_D	0.0062 g	0.0064 g	100 mL	
640-26775-Y-1			T	0 g	PASS_D	0.0204 g	0.0206 g	100 mL	
680-56085-A-1	D=5 Control	SM 2540C	T	0 g	PASS_D	0.0254 g	0.0255 g	100 mL	
680-56085-A-2	D=5 1.5% High	SM 2540C	T	0 g	PASS_D	0.0404 g	0.0405 g	100 mL	
680-56085-B-3	D=5 1.5% Medium	SM 2540C	T	0 g	PASS_D	0.0298 g	0.0298 g	100 mL	

Oven ID:	C	Constant Weight (WT2) Temp In:	180 Celsius
ID number of the thermometer:	GE01	Constant Weight (WT2) Date/Time Out:	03.25.10/14:00
Nominal Amount Used:	100 mL	Constant Weight (WT2) Temp Out:	180 Celsius
Date samples were place in the oven:	03.24.10 @105/ 03.25.10@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:	03.25.10	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:	K11709117		
Constant Weight (WT2) Date/Time in Oven:	03.25.10/12:45		

General Chemistry Worksheet

Batch Number: 680-163831

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 8:57AM

Batch End: Mar 25 2010 5:48PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-163831/1		SM 2540C		
LCS~680-163831/2		SM 2540C		
LCSD~680-163831/3		SM 2540C		
680-55952-A-2			T	
680-55952-A-2~DU			T	
680-56022-G-9			T	
680-56003-I-1			T	
680-56045-D-1			T	
680-56022-G-10			T	
680-55997-B-7			T	
680-56022-G-7			T	
680-56022-A-12			T	
680-55997-B-11			T	
680-56022-G-8			T	
680-56022-A-13			T	
680-56022-A-13~DU			T	
680-55997-B-12			T	
680-55999-K-1			T	
680-56000-I-1			T	
680-56009-A-1			T	
680-55991-H-5			T	
640-26775-Y-1			T	
680-56085-A-1	D=5 Control	SM 2540C	T	
680-56085-A-2	D=5 1.5% High	SM 2540C	T	
680-56085-B-3	D=5 1.5% Medium	SM 2540C	T	

Batch Comment:

n/a

General Chemistry Worksheet

Batch Number: 680-163862

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 10:55AM

Batch End: Mar 25 2010 5:26PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-163862/1		SM 2540D		P8427	0.1077 g	200 mL	0.1078 g	0.1075 g	0 g
LCS~680-163862/2		SM 2540D		P8428	0.1075 g	200 mL	0.1282 g	0.1280 g	0 g
LCSD~680-163862/3		SM 2540D		P8429	0.1075 g	200 mL	0.1286 g	0.1284 g	0 g
680-56081-A-1			T	P8430	0.1090 g	200 mL	0.1156 g	0.1159 g	0 g
680-56081-A-2			T	P8431	0.1081 g	125 mL	0.1133 g	0.1135 g	0 g
680-56081-A-3			T	P8432	0.1091 g	115 mL	0.1148 g	0.1149 g	0 g
680-55996-A-10			T	P8433	0.1080 g	200 mL	0.1082 g	0.1084 g	0 g
680-55951-A-6			T	P8434	0.1086 g	200 mL	0.1385 g	0.1381 g	0 g
680-55951-A-5			T	P8110	0.1101 g	200 mL	0.1104 g	0.1102 g	0 g
680-55951-A-4			T	P8111	0.1080 g	200 mL	0.1107 g	0.1103 g	0 g
680-55951-A-3			T	P8112	0.1083 g	200 mL	0.1085 g	0.1088 g	0 g
680-55951-A-2			T	P8113	0.1068 g	200 mL	0.1156 g	0.1156 g	0 g
680-56021-A-3			T	P8114	0.1121 g	200 mL	0.1128 g	0.1128 g	0 g
680-56021-A-3~DU			T	P8119	0.1079 g	200 mL	0.1086 g	0.1086 g	0 g
680-56021-A-1			T	P8116	0.1072 g	200 mL	0.1076 g	0.1076 g	0 g
680-55997-B-12			T	P8117	0.1080 g	200 mL	0.1096 g	0.1096 g	0 g
680-55997-B-11			T	P8118	0.1115 g	165 mL	0.1267 g	0.1267 g	0 g
680-56039-A-1			T	P8115	0.1095 g	200 mL	0.1117 g	0.1115 g	0 g
680-56074-A-1			T	P8120	0.1113 g	145 mL	0.1286 g	0.1287 g	0 g
680-56085-A-2	D=5 1.5% High	SM 2540D	T	P8121	0.1114 g	200 mL	0.1237 g	0.1234 g	0 g
680-56085-A-2~DU	D=5 1.5% High	SM 2540D	T	P8122	0.1087 g	200 mL	0.1215 g	0.1215 g	0 g
680-56074-A-2			T	P8123	0.1088 g	200 mL	0.1208 g	0.1208 g	0 g
680-56074-A-3			T	P8124	0.1086 g	100 mL	0.1386 g	0.1386 g	0 g
680-56074-A-4			T	P8125	0.1085 g	200 mL	0.1208 g	0.1210 g	0 g
680-56085-A-1	D=5 Control	SM 2540D	T	P8126	0.1092 g	200 mL	0.1138 g	0.1137 g	0 g

General Chemistry Worksheet

Batch Number: 680-163862

Date Open: Mar 24 2010 10:55AM

Method: 160.2

Batch End: Mar 25 2010 5:26PM

Analyst: Jackson, Michelle S

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_00184
MB~680-163862/1		SM 2540D		PASS_D g	0.0001 g	-0.0002 g	NaN g	200 mL	
LCS~680-163862/2		SM 2540D		PASS_D g	0.0207 g	0.0205 g	NaN g	200 mL	200 mL
LCSD~680-163862/ 3		SM 2540D		PASS_D g	0.0211 g	0.0209 g	NaN g	200 mL	200 mL
680-56081-A-1			T	PASS_D g	0.0066 g	0.0069 g	NaN g	200 mL	
680-56081-A-2			T	PASS_D g	0.0052 g	0.0054 g	NaN g	200 mL	
680-56081-A-3			T	PASS_D g	0.0057 g	0.0058 g	NaN g	200 mL	
680-55996-A-10			T	PASS_D g	0.0002 g	0.0004 g	NaN g	200 mL	
680-55951-A-6			T	PASS_D g	0.0299 g	0.0295 g	NaN g	200 mL	
680-55951-A-5			T	PASS_D g	0.0003 g	0.0001 g	NaN g	200 mL	
680-55951-A-4			T	PASS_D g	0.0027 g	0.0023 g	NaN g	200 mL	
680-55951-A-3			T	PASS_D g	0.0002 g	0.0005 g	NaN g	200 mL	
680-55951-A-2			T	PASS_D g	0.0088 g	0.0088 g	NaN g	200 mL	
680-56021-A-3			T	PASS_D g	0.0007 g	0.0007 g	NaN g	200 mL	
680-56021-A-3~DU			T	PASS_D g	0.0007 g	0.0007 g	NaN g	200 mL	
680-56021-A-1			T	PASS_D g	0.0004 g	0.0004 g	NaN g	200 mL	
680-55997-B-12			T	PASS_D g	0.0016 g	0.0016 g	NaN g	200 mL	
680-55997-B-11			T	PASS_D g	0.0152 g	0.0152 g	NaN g	200 mL	
680-56039-A-1			T	PASS_D g	0.0022 g	0.002 g	NaN g	200 mL	
680-56074-A-1			T	PASS_D g	0.0173 g	0.0174 g	NaN g	200 mL	
680-56085-A-2	D=5 1.5% High	SM 2540D	T	PASS_D g	0.0123 g	0.012 g	NaN g	200 mL	
680-56085-A-2~DU	D=5 1.5% High	SM 2540D	T	PASS_D g	0.0128 g	0.0128 g	NaN g	200 mL	
680-56074-A-2			T	PASS_D g	0.0120 g	0.012 g	NaN g	200 mL	
680-56074-A-3			T	PASS_D g	0.0300 g	0.03 g	NaN g	200 mL	
680-56074-A-4			T	PASS_D g	0.0123 g	0.0125 g	NaN g	200 mL	
680-56085-A-1	D=5 Control	SM 2540D	T	PASS_D g	0.0046 g	0.0045 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: B
Date samples were place in the oven: 03.24.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 03.25.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 9555339342

General Chemistry Worksheet

Batch Number: 680-163862

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 10:55AM

Batch End: Mar 25 2010 5:26PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-163862/1		SM 2540D		
LCS~680-163862/2		SM 2540D		
LCSD~680-163862/3		SM 2540D		
680-56081-A-1			T	
680-56081-A-2			T	
680-56081-A-3			T	
680-55996-A-10			T	
680-55951-A-6			T	
680-55951-A-5			T	
680-55951-A-4			T	
680-55951-A-3			T	
680-55951-A-2			T	
680-56021-A-3			T	
680-56021-A-3~DU			T	
680-56021-A-1			T	
680-55997-B-12			T	
680-55997-B-11			T	
680-56039-A-1			T	
680-56074-A-1			T	
680-56085-A-2	D=5 1.5% High	SM 2540D	T	
680-56085-A-2~DU	D=5 1.5% High	SM 2540D	T	
680-56074-A-2			T	
680-56074-A-3			T	
680-56074-A-4			T	
680-56085-A-1	D=5 Control	SM 2540D	T	

Batch Comment:

N

General Chemistry Worksheet

Batch Number: 680-163881

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 11:53AM

Batch End: Mar 25 2010 4:41PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
LCS~680-163881/1		SM 2540D		P8128	0.1066 g	200 mL	0.1276 g	0.1276 g	0 g
LCSD~680-163881/2		SM 2540D		P8129	0.1060 g	200 mL	0.1272 g	0.1269 g	0 g
680-56085-B-3	D=5 1.5% Medium	SM 2540D	T	P8130	0.1103 g	200 mL	0.1384 g	0.1381 g	0 g
680-56085-A-4	D=5 1.75% High	SM 2540D	T	P8131	0.1089 g	200 mL	0.1151 g	0.1154 g	0 g
680-56085-B-5	D=5 1.75% Medium	SM 2540D	T	P8132	0.1107 g	200 mL	0.1379 g	0.1378 g	0 g
680-56085-A-7	D=5 2% Medium	SM 2540D	T	P8133	0.1090 g	200 mL	0.1189 g	0.1191 g	0 g
680-56085-A-7~DU	D=5 2% Medium	SM 2540D	T	P8134	0.1119 g	200 mL	0.1229 g	0.1226 g	0 g
680-56085-B-6	D=5 2% High	SM 2540D	T	P8185	0.1082 g	200 mL	0.1143 g	0.1142 g	0 g
MB~680-163881/9		SM 2540D		P8127	0.1095 g	200 mL	0.1096 g	0.1096 g	0 g
680-55997-B-7			T	P8186	0.1069 g	200 mL	0.1073 g	0.1072 g	0 g
680-56103-C-1			T	P8187	0.1065 g	200 mL	0.1110 g	0.1109 g	0 g
680-56122-A-5			T	P8188	0.1109 g	100 mL	0.1197 g	0.1198 g	0 g
680-56097-C-1			T	P8189	0.1102 g	200 mL	0.1126 g	0.1128 g	0 g
680-56095-B-1			T	P8190	0.1091 g	95 mL	0.1207 g	0.1208 g	0 g

General Chemistry Worksheet

Batch Number: 680-163881

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 11:53AM

Batch End: Mar 25 2010 4:41PM

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_00184
LCS~680-163881/1		SM 2540D		PASS_D g	0.0210 g	0.021 g	NaN g	200 mL	200 mL
LCSD~680-163881/ 2		SM 2540D		PASS_D g	0.0212 g	0.0209 g	NaN g	200 mL	200 mL
680-56085-B-3	D=5 1.5% Medium	SM 2540D	T	PASS_D g	0.0281 g	0.0278 g	NaN g	200 mL	
680-56085-A-4	D=5 1.75% High	SM 2540D	T	PASS_D g	0.0062 g	0.0065 g	NaN g	200 mL	
680-56085-B-5	D=5 1.75% Medium	SM 2540D	T	PASS_D g	0.0272 g	0.0271 g	NaN g	200 mL	
680-56085-A-7	D=5 2% Medium	SM 2540D	T	PASS_D g	0.0099 g	0.0101 g	NaN g	200 mL	
680-56085-A-7~DU	D=5 2% Medium	SM 2540D	T	PASS_D g	0.0110 g	0.0107 g	NaN g	200 mL	
680-56085-B-6	D=5 2% High	SM 2540D	T	PASS_D g	0.0061 g	0.006 g	NaN g	200 mL	
MB~680-163881/9		SM 2540D		PASS_D g	0.0001 g	0.0001 g	NaN g	200 mL	
680-55997-B-7			T	PASS_D g	0.0004 g	0.0003 g	NaN g	200 mL	
680-56103-C-1			T	PASS_D g	0.0045 g	0.0044 g	NaN g	200 mL	
680-56122-A-5			T	PASS_D g	0.0088 g	0.0089 g	NaN g	200 mL	
680-56097-C-1			T	PASS_D g	0.0024 g	0.0026 g	NaN g	200 mL	
680-56095-B-1			T	PASS_D g	0.0116 g	0.0117 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: B
Date samples were place in the oven: 03.24.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 03.25.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 9555339342

General Chemistry Worksheet

Batch Number: 680-163881

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 11:53AM

Batch End: Mar 25 2010 4:41PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~680-163881/1		SM 2540D		
LCSD~680-163881/2		SM 2540D		
680-56085-B-3	D=5 1.5% Medium	SM 2540D	T	
680-56085-A-4	D=5 1.75% High	SM 2540D	T	
680-56085-B-5	D=5 1.75% Medium	SM 2540D	T	
680-56085-A-7	D=5 2% Medium	SM 2540D	T	
680-56085-A-7~DU	D=5 2% Medium	SM 2540D	T	
680-56085-B-6	D=5 2% High	SM 2540D	T	
MB~680-163881/9		SM 2540D		
680-55997-B-7			T	
680-56103-C-1			T	
680-56122-A-5			T	
680-56097-C-1			T	
680-56095-B-1			T	

Batch Comment:

N/A

General Chemistry Worksheet

Batch Number: 680-163895

Method: SM 2320B

Analyst: Vasquez, Juana

Date Open: Mar 24 2010 10:15AM

Batch End: Mar 24 2010 12:35PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	Alk LCS_00051
Tap~water					InitialAmount is blank		
Di~water					InitialAmount is blank		
DI~WATER					InitialAmount is blank		
DI~WATER					InitialAmount is blank		
DI					InitialAmount is blank		
MB~680-163895/6		SM 2320B		25 mL	BuretStart2 is blank	25 mL	
LCS~680-163895/7		SM 2320B		25 mL	BuretStart2 is blank	25 mL	25 mL
680-56058-E-2			T	25 mL	BuretStart2 is blank	25 mL	
640-26775-Q-1			T	25 mL	BuretStart2 is blank	25 mL	
680-56085-B-2	D=5 1.5% High	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
680-56085-A-3	D=5 1.5% Medium	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
680-56085-B-4	D=5 1.75% High	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
680-56085-A-5	D=5 1.75% Medium	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
680-56085-A-6	D=5 2% High	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
680-56085-B-7	D=5 2% Medium	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
680-56085-B-1	D=5 Control	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
680-56085-B-1~DU	D=5 Control	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL	
CCVPH				25 mL	BuretStart2 is blank	25 mL	

First Start time: 1015
 First End time: 1235
 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: 680-163895

Method: SM 2320B

Analyst: Vasquez, Juana

Date Open: Mar 24 2010 10:15AM

Batch End: Mar 24 2010 12:35PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
Tap~water				
Di~water				
DI~WATER				
DI~WATER				
DI				
MB~680-163895/6		SM 2320B		
LCS~680-163895/7		SM 2320B		
680-56058-E-2			T	
640-26775-Q-1			T	
680-56085-B-2	D=5 1.5% High	SM 2320B	T	
680-56085-A-3	D=5 1.5% Medium	SM 2320B	T	
680-56085-B-4	D=5 1.75% High	SM 2320B	T	
680-56085-A-5	D=5 1.75% Medium	SM 2320B	T	
680-56085-A-6	D=5 2% High	SM 2320B	T	
680-56085-B-7	D=5 2% Medium	SM 2320B	T	
680-56085-B-1	D=5 Control	SM 2320B	T	
680-56085-B-1~DU	D=5 Control	SM 2320B	T	
CCVPH				

Batch Comment:

n

General Chemistry Worksheet

Batch Number: 680-163944

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 4:18PM

Batch End: Mar 25 2010 5:52PM

Lab ID	Client ID	Method Chain	Basis	Conductivity of sample	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing
MB~680-163944/1		SM 2540C			A1	100 mL	75.1595 g	75.1593 g	75.1594 g
LCS~680-163944/2		SM 2540C			A2	100 mL	76.6185 g	76.6640 g	76.6641 g
680-56089-C-1			T	373.00 umhos/cm	A3	100 mL	71.1629 g	71.1879 g	71.1882 g
680-56089-C-2			T	1402.00 umhos/cm	A4	100 mL	79.4755 g	79.5616 g	79.5618 g
680-56085-A-4	D=5 1.75% High	SM 2540C	T	391.00 umhos/cm	A5	100 mL	75.6193 g	75.6596 g	75.6595 g
680-56085-B-5	D=5 1.75% Medium	SM 2540C	T	354.00 umhos/cm	A6	100 mL	74.7589 g	74.7871 g	74.7874 g
680-56085-B-6	D=5 2% High	SM 2540C	T	401.00 umhos/cm	A7	100 mL	75.4839 g	75.5201 g	75.5200 g
680-56085-A-7	D=5 2% Medium	SM 2540C	T	359.00 umhos/cm	A8	100 mL	77.4335 g	77.4634 g	77.4634 g
680-56104-Y-1			T	233.00 umhos/cm	A9	100 mL	73.0855 g	73.1091 g	73.1090 g
680-56085-B-5~DU	D=5 1.75% Medium	SM 2540C	T	354.00 umhos/cm	A10	100 mL	72.2586 g	72.2869 g	72.2868 g
680-56001-B-1			T	318.00 umhos/cm	A11	100 mL	79.1992 g	79.2288 g	79.2290 g

General Chemistry Worksheet

Batch Number: 680-163944

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 4:18PM

Batch End: Mar 25 2010 5:52PM

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_00082
MB~680-163944/1		SM 2540C		0 g	PASS_D	-0.0002 g	-0.0001 g	100 mL	
LCS~680-163944/2		SM 2540C		0 g	PASS_D	0.0455 g	0.0456 g	100 mL	100 mL
680-56089-C-1			T	0 g	PASS_D	0.0250 g	0.0253 g	100 mL	
680-56089-C-2			T	0 g	PASS_D	0.0861 g	0.0863 g	100 mL	
680-56085-A-4	D=5 1.75% High	SM 2540C	T	0 g	PASS_D	0.0403 g	0.0402 g	100 mL	
680-56085-B-5	D=5 1.75% Medium	SM 2540C	T	0 g	PASS_D	0.0282 g	0.0285 g	100 mL	
680-56085-B-6	D=5 2% High	SM 2540C	T	0 g	PASS_D	0.0362 g	0.0361 g	100 mL	
680-56085-A-7	D=5 2% Medium	SM 2540C	T	0 g	PASS_D	0.0299 g	0.0299 g	100 mL	
680-56104-Y-1			T	0 g	PASS_D	0.0236 g	0.0235 g	100 mL	
680-56085-B-5~DU	D=5 1.75% Medium	SM 2540C	T	0 g	PASS_D	0.0283 g	0.0282 g	100 mL	
680-56001-B-1			T	0 g	PASS_D	0.0296 g	0.0298 g	100 mL	

Oven ID: E

ID number of the thermometer: GE01

Nominal Amount Used: 100 mL

Date samples were place in the oven: 03.24.10@105/ 03.25.10@180

Oven Temp when samples are put in oven: 105 Celsius

Date samples were removed from oven: 03.25.10

Oven Temp when samples removed from oven: 180 Celsius

Balance ID: 13

Constant Weight (WT2) Date/Time in Oven: 03.25.10/12:30

Constant Weight (WT2) Temp In: 180 Celsius

Constant Weight (WT2) Date/Time Out: 03.25.10/14:45

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: 680-163944

Method: 160.1

Analyst: Jackson, Michelle S

Date Open: Mar 24 2010 4:18PM

Batch End: Mar 25 2010 5:52PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-163944/1		SM 2540C		
LCS~680-163944/2		SM 2540C		
680-56089-C-1			T	
680-56089-C-2			T	
680-56085-A-4	D=5 1.75% High	SM 2540C	T	
680-56085-B-5	D=5 1.75% Medium	SM 2540C	T	
680-56085-B-6	D=5 2% High	SM 2540C	T	
680-56085-A-7	D=5 2% Medium	SM 2540C	T	
680-56104-Y-1			T	
680-56085-B-5~DU	D=5 1.75% Medium	SM 2540C	T	
680-56001-B-1			T	

Batch Comment:

N/A

General Chemistry Worksheet

Batch Number: 680-164066

Method: 415.1

Analyst: Blackshear, Kim

Date Open: Mar 24 2010 1:48PM

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
CCV~680-164066/1		SM 5310B		25 mL	25		
MB~680-164066/2		SM 5310B		25 mL	25		
BICARB/CARB				25 mL	25		
LCS~680-164066/4		SM 5310B		25 mL	25		25 mL
680-55921-B-2			T	25 mL	25		
680-55921-B-3			T	25 mL	25		
680-56085-C-1	D=5 Control	SM 5310B	T	25 mL	25		
680-56085-C-2	D=5 1.5% High	SM 5310B	T	25 mL	25		
680-56085-C-3	D=5 1.5% Medium	SM 5310B	T	25 mL	25		
680-56085-C-4	D=5 1.75% High	SM 5310B	T	25 mL	25		
680-56085-C-5	D=5 1.75% Medium	SM 5310B	T	25 mL	25		
680-56085-C-6	D=5 2% High	SM 5310B	T	25 mL	25		
CCV~680-164066/1 3		SM 5310B		25 mL	25		
CCB~680-164066/1 4		SM 5310B		25 mL	25		
680-56085-C-7	D=5 2% Medium	SM 5310B	T	25 mL	25		
680-55951-K-1			T	25 mL	25		
680-55951-K-2			T	25 mL	25		
680-55951-K-3			T	25 mL	25		
680-55951-K-4			T	25 mL	25		
680-55951-K-5			T	25 mL	25		
680-55951-K-6			T	25 mL	25		
680-55953-C-1			T	25 mL	25		
680-55953-C-2			T	25 mL	25		
680-55953-C-2~DU			T	25 mL	25		
CCV~680-164066/2 5		SM 5310B		25 mL	25		

General Chemistry Worksheet

Batch Number: 680-164066

Date Open: Mar 24 2010 1:48PM

Method: 415.1

Batch End:

Analyst: Blackshear, Kim

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00009	TOC LCS_00036
CCB~680-164066/26		SM 5310B		25 mL	25		
680-55997-K-7			T	25 mL	25		
680-55997-K-7~MS			T	25 mL	25	0.25 mL	
680-55997-K-7~MSD			T	25 mL	25	0.25 mL	
680-55997-K-11			T	25 mL	25		
680-55997-K-12			T	25 mL	25		
CCV~680-164066/32		SM 5310B		25 mL	25		
CCB~680-164066/33		SM 5310B		25 mL	25		

HCl Vendor:

Mallinckrodt

Lot # of hydrochloric acid:

50% HCl-00006

General Chemistry Worksheet

Batch Number: 680-164066

Method: 415.1

Analyst: Blackshear, Kim

Date Open: Mar 24 2010 1:48PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-164066/1		SM 5310B		
MB~680-164066/2		SM 5310B		
BICARB/CARB				
LCS~680-164066/4		SM 5310B		
680-55921-B-2			T	
680-55921-B-3			T	
680-56085-C-1	D=5 Control	SM 5310B	T	
680-56085-C-2	D=5 1.5% High	SM 5310B	T	
680-56085-C-3	D=5 1.5% Medium	SM 5310B	T	
680-56085-C-4	D=5 1.75% High	SM 5310B	T	
680-56085-C-5	D=5 1.75% Medium	SM 5310B	T	
680-56085-C-6	D=5 2% High	SM 5310B	T	
CCV~680-164066/1 3		SM 5310B		
CCB~680-164066/1 4		SM 5310B		
680-56085-C-7	D=5 2% Medium	SM 5310B	T	
680-55951-K-1			T	
680-55951-K-2			T	
680-55951-K-3			T	
680-55951-K-4			T	
680-55951-K-5			T	
680-55951-K-6			T	
680-55953-C-1			T	
680-55953-C-2			T	
680-55953-C-2~DU			T	
CCV~680-164066/2 5		SM 5310B		

General Chemistry Worksheet

Batch Number: 680-164066

Method: 415.1

Analyst: Blackshear, Kim

Date Open: Mar 24 2010 1:48PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCB~680-164066/2 6		SM 5310B		
680-55997-K-7			T	
680-55997-K-7~MS			T	
680-55997-K-7~MS D			T	
680-55997-K-11			T	
680-55997-K-12			T	
CCV~680-164066/3 2		SM 5310B		
CCB~680-164066/3 3		SM 5310B		

Batch Comment:

N/A

General Chemistry Worksheet

Batch Number: 680-164301

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 27 2010 1:51PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	504.1 SURR_00001	All_Anions_00018	Anion-1_00038	Anion-2_00037
IC~680-164301/1		300.0			5 mL			5000 uL	
IC~680-164301/2		300.0			5 mL				5000 uL
IC~680-164301/3		300.0		1 mL	5 mL				
IC~680-164301/4		300.0		1 mL	5 mL				
IC~680-164301/5		300.0		1 mL	5 mL				
IC~680-164301/6		300.0		1 mL	5 mL				
MB~680-164301/7				1 mL	5 mL				
LCS~680-164301/8				1 mL	5 mL				
680-55899-G-1			T	1 mL	5 mL				
680-55899-G-2			T	1 mL	5 mL				
680-55930-A-1			T	1 mL	5 mL				
680-55931-C-1			T	1 mL	5 mL				
680-55945-I-1			T	1 mL	5 mL				
680-55945-I-2			T	1 mL	5 mL				
680-55945-I-3			T	1 mL	5 mL				
CCV~680-164301/1 6				1 mL	5 mL	# %			
CCB~680-164301/1 7				1 mL	5 mL				
680-55951-G-1~MS			T	1 mL	5 mL		50 uL		
680-55951-H-2			T	1 mL	5 mL				
680-55951-G-3			T	1 mL	5 mL				
680-55951-G-4			T	1 mL	5 mL				
CCV~680-164301/2 3				1 mL	5 mL	# %			
CCB~680-164301/2 4				1 mL	5 mL				
680-55951-G-5			T	1 mL	5 mL				
680-55951-G-6			T	1 mL	5 mL				

General Chemistry Worksheet

Batch Number: 680-164301

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 27 2010 1:51PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Anion-3_00035	Anion-4_00047	Anion-5_00039	Anion-6_00034	Anion_ICV_00037
IC~680-164301/1		300.0						
IC~680-164301/2		300.0						
IC~680-164301/3		300.0		5000 uL				
IC~680-164301/4		300.0			5000 uL			
IC~680-164301/5		300.0				5 mL		
IC~680-164301/6		300.0					5000 uL	
MB~680-164301/7								
LCS~680-164301/8								5 mL
680-55899-G-1			T					
680-55899-G-2			T					
680-55930-A-1			T					
680-55931-C-1			T					
680-55945-I-1			T					
680-55945-I-2			T					
680-55945-I-3			T					
CCV~680-164301/1								
6								
CCB~680-164301/1								
7								
680-55951-G-1~MS			T					
680-55951-H-2			T					
680-55951-G-3			T					
680-55951-G-4			T					
CCV~680-164301/2								
3								
CCB~680-164301/2								
4								
680-55951-G-5			T					
680-55951-G-6			T					

General Chemistry Worksheet

Batch Number: 680-164301

Date Open: Mar 27 2010 1:51PM

Method: 300.0

Batch End:

Analyst: Brazell, Connie

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	504.1 SURR_00001	All_Anions_00018	Anion-1_00038	Anion-2_00037
680-55951-G-6~MS			T	1 mL	5 mL		50 uL		
CCV~680-164301/2				1 mL	5 mL	# %			
8									
CCB~680-164301/2				1 mL	5 mL				
9									
680-55951-G-1			T	1 mL	5 mL				

General Chemistry Worksheet

Batch Number: 680-164301

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 27 2010 1:51PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Anion-3_00035	Anion-4_00047	Anion-5_00039	Anion-6_00034	Anion_ICV_00037
680-55951-G-6~MS			T					
CCV~680-164301/2					5000 uL			
8								
CCB~680-164301/2								
9								
680-55951-G-1			T					

Filter Lot #:

P/N 038009

Eluent 1 Lot:

SN 090962911014

Regeneration Solution Lot:

N/A

Ethylenediamine Lot:

N/A

General Chemistry Worksheet

Batch Number: 680-164301

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 27 2010 1:51PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
IC~680-164301/1		300.0		
IC~680-164301/2		300.0		
IC~680-164301/3		300.0		
IC~680-164301/4		300.0		
IC~680-164301/5		300.0		
IC~680-164301/6		300.0		
MB~680-164301/7				
LCS~680-164301/8				
680-55899-G-1			T	
680-55899-G-2			T	
680-55930-A-1			T	
680-55931-C-1			T	
680-55945-I-1			T	
680-55945-I-2			T	
680-55945-I-3			T	
CCV~680-164301/1				
6				
CCB~680-164301/1				
7				
680-55951-G-1~MS			T	
680-55951-H-2			T	
680-55951-G-3			T	
680-55951-G-4			T	
CCV~680-164301/2				
3				
CCB~680-164301/2				
4				
680-55951-G-5			T	
680-55951-G-6			T	

General Chemistry Worksheet

Batch Number: 680-164301

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 27 2010 1:51PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-55951-G-6~MS CCV~680-164301/2 8 CCB~680-164301/2 9 680-55951-G-1			T T	

Batch Comment:

NONE

General Chemistry Worksheet

Batch Number: 680-164428

Date Open: Mar 29 2010 6:18PM

Method: 300.0

Batch End:

Analyst: Brazell, Connie

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	504.1 SURR_00001	All_Anions_00018	Anion-4_00047	Anion_ICV_00037
CCV~680-164428/1		300.0		1 mL	5 mL	# %		5000 uL	
MB~680-164428/2		300.0		1 mL	5 mL				
LCS~680-164428/3		300.0		1 mL	5 mL				5 mL
680-56085-A-1	D=5 Control	300.0	T	1 mL	5 mL				
680-56085-A-1~MS	D=5 Control	300.0	T	1 mL	5 mL		50 uL		
680-56085-A-2	D=5 1.5% High	300.0	T	1 mL	5 mL				
680-56085-B-3	D=5 1.5% Medium	300.0	T	1 mL	5 mL				
680-56085-A-4	D=5 1.75% High	300.0	T	1 mL	5 mL				
680-56085-B-5	D=5 1.75% Medium	300.0	T	1 mL	5 mL				
680-56085-B-6	D=5 2% High	300.0	T	1 mL	5 mL				
680-56085-A-7	D=5 2% Medium	300.0	T	1 mL	5 mL				
CCV~680-164428/1		300.0		1 mL	5 mL	# %		5000 uL	
2									
CCB~680-164428/1		300.0		1 mL	5 mL				
3									

Filter Lot #:	P/N 038009
Eluent 1 Lot:	SN 090962911014
Regeneration Solution Lot:	N/A
Ethylenediamine Lot:	N/A

General Chemistry Worksheet

Batch Number: 680-164428

Method: 300.0

Analyst: Brazell, Connie

Date Open: Mar 29 2010 6:18PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-164428/1		300.0		
MB~680-164428/2		300.0		
LCS~680-164428/3		300.0		
680-56085-A-1	D=5 Control	300.0	T	
680-56085-A-1~MS	D=5 Control	300.0	T	
680-56085-A-2	D=5 1.5% High	300.0	T	
680-56085-B-3	D=5 1.5% Medium	300.0	T	
680-56085-A-4	D=5 1.75% High	300.0	T	
680-56085-B-5	D=5 1.75% Medium	300.0	T	
680-56085-B-6	D=5 2% High	300.0	T	
680-56085-A-7	D=5 2% Medium	300.0	T	
CCV~680-164428/1		300.0		
2				
CCB~680-164428/1		300.0		
3				

Batch Comment:

NONE

Chain of Custody Record

Client Information		Sampler: _____		Lab PM: _____		Carrier Tracking No(s): _____		COC No: 200-4.1					
Client Contact: Joseph Caraballo		Phone: _____		E-Mail: _____		J. Caraballo		Page: Page 1 of 1					
Company: Test America Burlington		Address: 30 Community Drive		City: S. Burlington		State, Zip: VT 05403		Job #:					
Phone: 802-923-1038		PO #: _____		WO #: _____		Project #: _____		SSOW #: _____					
Project Name: Lawrence Aviation Superfund Site		Site: _____		Due Date Requested: _____		TAT Requested (days): 5 days Due 3/30/10		Analysis Requested					
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=Tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TOC via SM5310C	TSS via SM2540D	Alkalinity via SM2320B	TDS via SM2540C	Preservation Codes:	Special Instructions/Note:
D=5 CONTROL	3/19/10	930	G	W		X	X	X	X	X	X	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)	
D=5 1.5% HIGH		1030	G	W		X	X	X	X	X	X		
D=5 1.5% MEDIUM		1130	G	W		X	X	X	X	X	X		
D=5 1.75% HIGH		1155	G	W		X	X	X	X	X	X		
D=5 1.75% MEDIUM		1230	G	W		X	X	X	X	X	X		
D=5 2% HIGH		255	G	W		X	X	X	X	X	X		
D=5 2% MEDIUM		320	G	W		X	X	X	X	X	X		
Total Number of Containers: _____													

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological			
Deliverable Requested: I, II, III, IV, Other (specify) _____			
Empty Kit Relinquished by: _____		Date: _____	
Relinquished by: <i>[Signature]</i>		Date/Time: 03/23/10 - 1630	
Relinquished by: _____		Date/Time: _____	
Relinquished by: _____		Date/Time: _____	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.: _____	

Received by: <i>[Signature]</i>		Date/Time: 3-24-10 0927	
Received by: _____		Date/Time: _____	
Received by: _____		Date/Time: _____	
Cooler Temperature(s) °C and Other Remarks: 3.8		Method of Shipment: _____	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Special Instructions/QC Requirements: _____	