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April 26, 2013
Project No. 104-0012

February 2013 Sampling Report
Carroll and Dubies Superfund Site
Town of Deerpark, Orange County, New York

Dear Ms. Jon:

Please find enclosed three copies of the *February 2013 Sampling Report, Carroll and Dubies Superfund Site, Town of Deerpark, Orange County, New York.* The report summarizes the methods and findings of the 2013 sampling program for Operable Unit 2. Groundwater, surface water, and sediment were sampled during this program.

Summary

Beginning with this round, consistent with the advice previously provided to the Agency by letter dated November 2, 2010, monitoring is being conducted every fifth quarter to get an up-to-date look at conditions throughout the hydrologic cycle. While groundwater elevations were on the average lower by 1.61 feet than in October 2011, there was not an appreciable difference in groundwater quality compared to October 2011 or recent years:

- Some of the monitoring wells continue to exceed federal maximum contaminant levels (MCLs) and state standards and guidance values (SGVs). In some cases the exceedances are marginal. The average detected benzene concentration this round was 3.8 ug/L, compared to an SGV of 1 ug/L and an MCL of 5 ug/L; the average detected vinyl chloride concentration was 2.1 ug/L, compared to the SGV and MCL of 2 ug/L. The number of exceedances has been about the same over the past five monitoring rounds, ranging from 15 to 18 SGV exceedances in wells sampled since July 2008.
- VOCs continued to be nondetectable at the eastern boundary of the site at OW-8 and OW-25.
- The highest detection of benzene was 6.2 ug/L at OW-22, compared to the MCL of 5 ug/L and the New York State SGV of 1 ug/L.
- Chlorinated VOCs are higher in OW-2 and OW-5 compared to 2011 and lower in OW-6, but overall within ranges that have been observed over the past several years.
- Surface water and sediment samples from Gold Creek were nondetectable except for acetone in sediment, possibly a laboratory artifact.

In reviewing the groundwater contaminant concentration trends over the past five years, the evidence demonstrates that site conditions are stabilizing at low levels and concentrations appear to be approaching asymptotic levels.

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Recommendations

The current monitoring program was designed to address concerns related predominantly to determining whether the source removal was successful and the site was becoming stabilized. Those requirements no longer fit the conditions of stable to slowly declining groundwater concentrations demonstrated consistently by the evidence. With institutional controls in place, conditions will continue to be protective of human health and the environment, with no exposure pathways that could result in unacceptable risks. Therefore, we are anticipating implementing a reduced monitoring program involving sampling during the second quarter (spring) of 2014 and third (summer) quarter of 2015. These additional rounds of data will permit confirmation of the on-going trends in site conditions. If groundwater conditions remain within the range of what has been seen since 2010, monitoring would cease, coincident with the next Five Year Review. The proposed reduced monitoring program for 2014 and 2015 is outlined in Section 7.0 of this report.

Do not hesitate to call (412.374.0989) or email (bjones@cardinalres.com) to discuss this proposal, or if you have any other questions about this report.

Sincerely,

CARDINAL RESOURCES LLC

Barbara H. Jones

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Principal

cc: Carroll & Dubies PRP Group
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# February 2013 Sampling Report

## Carroll and Dubies Superfund Site
## Town of Deerpark, Orange County, New York

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# 1.0 Introduction

This report summarizes the methods and results of a field sampling program performed from February 5 through 8, 2013 at the Carroll and Dubies Superfund Site (Site), Town of Deerpark, Orange County, New York. The purpose of this sampling program is to document volatile organic compound (VOC) concentrations in the outwash aquifer at the site. The field work followed the August 2005 Supplemental Sampling Work Plan (Cardinal Resources LLC [Cardinal Resources], 2005) approved by the United States Environmental Protection Agency (U.S. EPA), and incorporated the recommendations of the *November 2006 Sampling Report* (Cardinal Resources, 2007). The February 2013 sampling and analysis event included 13 wells comprising the revised monitoring well network: MW-4, OW-2, OW-5, OW-6, OW-8, OW-10R, OW-13R, OW-18, OW-19, OW-21, OW-22, OW-25, and OW-24, which was re-instituted according to recommendations from the U.S. EPA's second five-year review. Upgradient MW-1, which is normally sampled, could not be located for sampling due to ice and snow.

## 1.1 Site Setting

The three-acre Site is located in the Town of Deerpark in Orange County, New York, which is approximately 3,000 feet northeast of the City of Port Jervis, New York (Figure 1). The Site is situated on the northwestern flank of the Neversink Valley. Gold Creek lies approximately 1,500 feet to the east, and the Neversink River is located approximately 2,000 feet beyond Gold Creek.

The Site is underlain by sand and gravel deposits of glacial and glaciofluvial origin. Groundwater monitoring wells on the Site have been completed in the outwash unit, found above a low-permeability till zone that functions as an aquitard. The outwash unit consists of fine to coarse sand with fine to coarse gravel. The direction of groundwater flow is generally toward the southeast.

## 1.2 Land and Resource Use

The immediate surrounding area includes undeveloped woodlands to the north; undeveloped woodlands and a sand and gravel quarry pit to the northeast; the closed City of Port Jervis landfill, the Orange County Transfer Station, and a concrete products company to the south; and a sparsely vegetated, shale bedrock hillside to the west. In 2004, the City of Port Jervis began a small sand and gravel operation on land it owns, immediately to the southeast of the former lagoons, in the vicinity of OW-5 and OW-6.

These conditions have remained stable during the period of site investigation and post-removal monitoring.

## 1.3 History of Waste Disposal and Contamination

In 1971, the three-acre Carroll and Dubies Site began operating as a disposal facility consisting of a series of lagoons. The majority of wastes disposed in the lagoons were septic waste, municipal sewage sludge, and solid waste. The Site also received liquid industrial wastes from approximately 1971 to 1979.

Over time, waste constituents in the lagoons leached into groundwater and affected the outwash aquifer. VOCs were of particular concern because of their dispersion in the aquifer and relative risk. Benzene, vinyl chloride, and other VOCs were found through a series of investigations to exceed Applicable or Relevant and Appropriate Requirements (ARARs) in Site wells.

## 1.4 Overview of Remedies

The remedies selected for the Site were defined by two operable units (OU), the waste lagoons themselves, and the impacted groundwater. Remedies were selected and executed to remove wastes from the lagoons, restore the Site to a safe and stable condition, and promote and track improvements in groundwater quality.

### 1.4.1 OU-1 Remedy

The goals of the OU-1 remedy conducted in 1999 were to prevent further leaching of contaminants into groundwater, and to reduce the risks to potential future workers at the Site who could come in contact with lagoon wastes. The steps in this process were:

- Excavation of all wastes from Lagoons 1, 2, 3, 4, 6, 7, and 8, along with surrounding soils that exceeded specified levels for indicator chemicals.
- Appropriate management of all excavated wastes and soils.
- Placement of imported clean fill in the excavations, followed by grading for drainage control and vegetation.

### 1.4.2 OU-2 Remedy

The goals of the ongoing OU-2 remedy, which was initiated in 1999, have been to use natural attenuation to reduce or eliminate the risks associated with the ingestion of Site

groundwater for future Site workers and to protect Gold Creek from Site-related impacts. The steps in the program are:

- Execution of a groundwater monitoring program in accordance with Work Plans and other documents prepared for the project and approved by the U.S. EPA.
- With each sampling round, a report is prepared for U.S. EPA that documents the progress made in achieving the remedial goals.

## 1.5 Overview of 2006 Groundwater Monitoring Program

A supplemental sampling program was initiated in February 2006 in response to the five-year review. Part of the program was to install two new monitoring wells, OW-24 and OW-25, east and south of OW-2, OW-5, and OW-6 (Figure 2), to determine the extent of the chlorinated VOC plume in the vicinity of OW-2, OW-5, and OW-6. Two existing monitoring wells that were not part of the ongoing groundwater monitoring network, OW-17 and OW-23, downgradient and to the west of OW-2, OW-5, and OW-6, were also redeveloped and sampled.

Groundwater was sampled three more times in 2006: in May, August, and November. The purpose of quarterly sampling of the wells in the vicinity of the chlorinated VOC plume was to evaluate trends through an entire hydrologic cycle. In all four sampling rounds, the results for the chlorinated VOC plume were consistent. Tetrachloroethene (PCE) and trichloroethene (TCE) and their degradation products (chloroethane, 1,2-dichloroethene, and vinyl chloride) were nondetectable in OW-24 and OW-25. In OW-17 and OW-23, chlorinated VOCs were occasionally detected at low, estimated concentrations below the reporting limit, and below state and federal groundwater criteria. Chlorinated VOC impacts at OW-2, OW-5, and OW-6 remain localized. For additional information on the February, May, August, and November 2006 sampling events, refer to the respective quarterly reports (Cardinal Resources, April 2006; July 2006; November 2006; and January 2007).

## 1.6 Resumption of Annual Monitoring Program

In June 2007, the annual groundwater monitoring program resumed, and continued in 2008, 2009, 2010, and 2011.

## 1.7 Modified Sampling Frequency

In 2011, a program was initiated to cover the entire hydrologic cycle over the next five-year period through sampling every five quarters (every 15 months). This enhancement

to the sampling program was described in a letter to the U.S. EPA dated November 2, 2010. Based on this rotation, the February 2013 sampling round followed 15 months after the October 2011 sampling round.

# 2.0 Groundwater Sample Collection

This section describes methods used to collect groundwater samples for analysis. The results of the groundwater sampling and analysis program are provided in Section 4.0.

## 2.1 Groundwater Elevations

Before sampling began on February 6, groundwater elevations for all site wells except MW-1 and OW-21 were determined from measured depths to water from the reference point elevations. The depth to groundwater was measured using an electronic water-level meter and recorded on a monitoring well sampling form. MW-1 could not be located for sampling due to ice and snow, even though a metal detector and shovel were used. This is a flush mount well installed in the middle of a dirt road and is difficult to locate under the best of conditions. The lock on OW-21 was stuck on February 6. The lock was removed with bolt cutters on February 8; the groundwater elevation was measured at that time and the well was sampled.

## 2.2 Wells and Equipment

Dedicated low-flow bladder pumps were used to purge and sample the monitoring well network, with the exception of wells OW-13R, OW-19, OW-24, and OW-25. These wells were sampled using a downhole bladder pump that was decontaminated initially and after sampling each well by:

- Washing with low phosphate detergent and tap water
- Rinsing with tap water
- Rinsing with deionized water
- Air drying

Clean disposable tubing and a clean disposable bladder were used for each well sampled with the bladder pump.

## 2.3 Well Purging and Sampling

All wells were purged using low-flow techniques (between 100 and 200 milliliters per minute [mL/min]). During purging of each monitoring well, temperature, dissolved oxygen (DO), reduction/oxidation (redox) potential, conductivity, pH, and turbidity were monitored and recorded on field forms in average intervals of 5 minutes.

The groundwater field parameters were measured with a YSI Model 556 MPS-10 multi-parameter unit equipped with a flow-through cell, and a Hanna Turbidity Meter Model HI98703. All equipment was calibrated prior to sampling activities. The goal was to obtain three consecutive readings of the field parameters within the following ranges:

- ±1.0 degree centigrade (°C) for temperature
- ±10 percent (%) or ±0.3 milligrams per liter (mg/L) for DO (whichever is greater)
- ±10 millivolts (mV) for redox potential
- ±3% for conductivity
- ±0.1 for pH
- ±10% or ±2 nephelometric turbidity units (NTUs) for turbidity (whichever is greater)

The final stabilized readings prior to sample collection for each of the monitoring wells are provided in Table 1. During groundwater sampling on February 6, the field team noticed that redox readings were not correct. All readings were in the range of -200 to -300 mV, which is not consistent with past conditions. The instrument supplier was contacted to troubleshoot but the problem could not be corrected over the telephone. A replacement instrument was sent and was available beginning on February 8. Redox results for monitoring wells purged on February 6 and 7 were not reported (marked NR on Table 1).

Groundwater purged from several monitoring wells, particularly those wells sampled with the bladder pump, were initially turbid but cleared with low-flow purging. Groundwater from OW-21 and OW-22, installed into the closed municipal landfill, was odorous. Samples were shipped on ice to TestAmerica Laboratories, North Canton, Ohio. Due to a winter storm in the area on February 8, afternoon FEDEX pickup was cancelled. Samples were accepted by FEDEX the next day, a Saturday, and were received by the laboratory on Monday morning, February 11.

# 3.0 Collection of Surface Water and Sediment Samples

As part of the ongoing evaluation of conditions in Gold Creek, surface water and sediment samples were collected from two locations along Gold Creek, SED-1/SW-1 (downstream) and SED-2/SW-2 (upstream) (Figure 2). The results from the Gold Creek sampling program are provided in Section 5.0. Ice on the creek had to be broken to get to the water and sediment.

## 3.1 Surface Water Sampling

Surface water samples from SW-1 and SW-2 were collected from Gold Creek at the established locations that have been sampled throughout the OU-2 monitoring period. Samples were collected directly into the VOC sample vials. The sample bottles were labeled appropriately, placed in a cooler, and sent to the laboratory for analysis.

The survey stakes at SW-2 and SW-3 (near a quarry pond to the north) were missing during the October 2011 sampling event, and ice and snow prevented the location of the survey stake (if still present) at SW-1 in February 2013, therefore surface water elevations could not be measured. There is a history of the relationship between groundwater and surface water evaluations from more than 10 years of monitoring, therefore reinstallation and surveying of the surface water gauging points at these locations is not planned.

## 3.2 Sediment Sampling

Two sediment samples were collected from the established locations coinciding with SW-1 and SW-2 (Figure 2), and were designated SED-1 and SED-2. The samples were collected using a stainless-steel trowel through the opening made in the ice, from approximately the upper six inches of submerged sediment near the edge of the creek. The stainless-steel trowel was decontaminated between sediment sampling locations.

# 4.0 Groundwater Results

This section describes the results of the February 2013 sampling event and presents a discussion of site-wide groundwater conditions.

## 4.1 Groundwater Elevations

The groundwater elevations for this sampling round are presented in Table 2. Associated groundwater elevation contours are shown in Figure 2.

The groundwater elevations in the wells were on the average 1.61 feet lower than observed in October 2011; the direction of groundwater flow toward the southeast and Gold Creek and gradient were about the same. The gradient in the former lagoon area of approximately 0.11 transitions at about the location of the towpath. From the towpath to Gold Creek, the gradient is very shallow, approximately 0.002. The steeper gradient on the western side of the site is due to the depth to bedrock along the valley wall. As the depth to bedrock increases towards the valley floor, the thickness of the alluvial fill increases and the groundwater gradient flattens.

## 4.2 Summary of Groundwater Quality Results

VOCs detected in groundwater analysis in the February 2013 sampling event are presented in Table 3. Laboratory analytical reports, including marked Form Is from the data validation process, are included in Appendix A in hard copy. An electronic copy of the entire data package is also provided. Historical data of detected organic compounds have been combined with the most recent data and are presented in Table B-1 in Appendix B. In tables and discussion, the qualifier "J" with a reported concentration means an estimated result, with the analyses positively identified but the numerical value an approximate concentration. The qualifier “U” means that the analysis was not detected above the reported quantitation limit.

A variety of monitored natural attenuation (MNA) field and laboratory parameters were analyzed in groundwater (Table 4). These parameters are general indicators of geochemical conditions conducive to degradation of chlorinated and other VOCs. Patterns of MNA indicators by area were discussed in detail in the *Supporting Documentation for Five-Year Review* (Cardinal Resources, March 2005), along with an evaluation of how those patterns may relate to contaminant distribution within the groundwater plume. Eight VOCs were detected in various wells during this sampling event, six of which

exceeded regulatory limits. Regulatory exceedances of VOCs in groundwater are reported in Table 5 and plotted in Figure 3.

VOC concentrations in monitoring wells in the February 2013 sampling generally followed similar trends as compared to the 2011 results, and within ranges previously observed. In the remainder of this section, specific groundwater trends and conditions are discussed in greater detail, including:

- Concentration trends for chlorinated VOCs
- Concentration trends for benzene
- Achievement of regulatory limits in monitoring wells
- MNA trends

## 4.3 Trends for Chlorinated VOCs

The chlorinated VOCs 1,2-dichloroethene, trichloroethene, and tetrachloroethene, are the predominant constituents on the eastern side of the site in OW-2 and OW-6 (Figure 3), and are detected in other locations in concentrations below regulatory limits.

Compared to OW-2 and OW-6, groundwater on the western side (OW-10R, OW-13R, OW-18, OW-19, OW-21, OW-22) is typically higher in methane and total organic carbon (TOC), has lower redox (is more reduced), and is more amenable to reductive dechlorination. In these wells, chlorinated VOCs in general showed a downward trend over time once OU-1 actions were complete. For example, while the concentration of chlorinated VOCs was higher in OW-13/OW-13R in 1999-2000 compared to OW-5 near OW-2 and OW-6 (Figure 4), favorable geochemical conditions resulted in a rapid and smooth decline. Chlorinated VOCs have not exceeded criteria at OW-13/13R since 2004. In OW-5, conditions for degradation have been somewhat less favorable and the decline has been slower and more variable (Figure 4). However, in 2007 and 2008, only 1,2-dichloroethene exceeded criteria, and since 2009, no chlorinated VOCs exceeded criteria in OW-5.

In OW-2 and OW-6, the rate of decline in chlorinated VOC concentrations has been slowed somewhat by unfavorable geochemical conditions. Concentrations appeared to peak in the years following OU-1 actions, and since 2006 concentrations have been flat to gradually declining (Figure 5).

Chlorobenzene is another compound that has exceeded the NYSDEC SGV of 5 ug/L in groundwater, in OW-18, OW-19, OW-22, and occasionally in OW-10R. The suspected main source of chlorobenzene in groundwater is the historic closed municipal landfill located between OW-10R to the northwest and OW-18 and OW-19 to the south (Figure 3). OW-22 is midway in between OW-10R and the downgradient monitoring wells. The closed landfill is suspected as the source because of the consistently higher concentrations within or downgradient of the landfill compared to upgradient concentrations, as shown below:

| Monitoring Well | Chlorobenzene Average ug/L 2008-2013 |
|---|---|
| OW-10R | 3.0 |
| OW-18 | 9.4 |
| OW-19 | 10.5 |
| OW-22 | 8.8 |

## 4.4 Benzene Concentration Trends

As was described in detail in the *Supporting Documentation for Five-Year Review* (Cardinal Resources, 2005), different VOCs have predominated in different areas downgradient of the former lagoons. Benzene has predominated in several monitoring wells in the southwestern areas of the Site, with historically the highest concentrations observed in MW-4, OW-10R, and OW-13R. In 2013, the maximum concentration was measured in groundwater at OW-22, at 6.2 micrograms per liter (ug/L), compared to the federal Maximum Contaminant Level (MCL) of 5 ug/L. Benzene was below the MCL of 5 ug/L in February 2013 in MW-4, OW-10R, OW-19, and OW-21, although not below the New York State Standard or Guidance Value (SGV) of 1 ug/L.

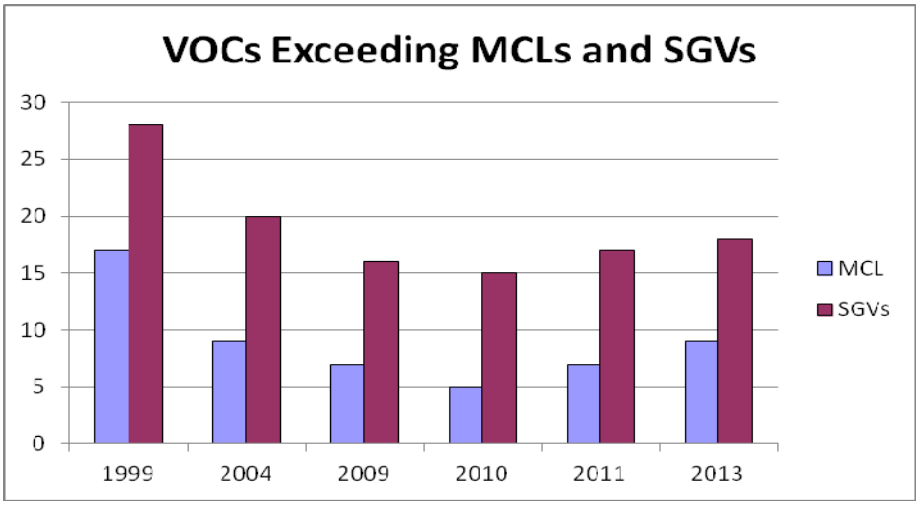
Benzene has exhibited an overall downward trend in individual wells with historically high concentrations, OW-10R, OW-13R, and OW-22, illustrated in Figure 6. There has also been a flattening and mass decline of the benzene plume along the groundwater flow path, illustrated in Figure 7. This depiction shows how the benzene concentration in 2000 declined from several hundred ug/L in OW-10R and OW-13/13R, closest to the source area, to 2.8 ug/L and 5.2 ug/L, respectively in 2013. The decline in the benzene concentration in the former source area reflects both degradation and dispersion of benzene within the plume to the south and west toward OW-22.

In the period from 2006 to 2013, even with variable concentrations, overall benzene concentration trends continue to be downward in OW-10R and OW-13/13R (Figure 8); in OW-22, the trend is flat. Figure 9 depicts benzene concentrations in groundwater in February 2013.

## 4.5 Achievement of MCLs and SGVs

Since completion of OU-1 remediation in 1999, some of the MCLs and state groundwater SGVs had been met in groundwater wells downgradient of the former lagoons. Table 5 summarizes these findings through the current sampling round. Wells consistently monitored from 1999 through 2013 are shown in this table for comparison purposes so that the same wells are compared each time. In 2013, 9 MCLs were exceeded within the monitoring network, and 18 SGVs were exceeded.

From 1999 through 2009 there was a substantial reduction in MCL and SGV exceedances; since 2009, conditions have remained about the same:




## 4.6 Monitored Natural Attenuation Trends

A variety of MNA field and laboratory parameters have been analyzed over time in groundwater (Table 4). These parameters are general indicators of geochemical conditions conducive to degradation of chlorinated and other VOCs. Patterns of MNA indicators by area were discussed in the *Supporting Documentation for Five-Year Review* (Cardinal Resources, 2005), along with an evaluation of how those patterns may relate to contaminant distribution within the groundwater plume. The patterns seen in

February 2013 are consistent with the observations presented previously, with the areas predicted to be most amenable to degradation in monitoring wells to the south and west (OW-10R, OW-18, OW-19, OW-21, OW-22). In these wells,

- Methane concentrations of 50 ug/L or greater were observed;
- Relatively high TOC, 2 mg/L or greater, was found; and
- Low DO (with the exception of OW-19) or redox potential indicating reduced conditions were found.

Table 6 illustrates the variability of conditions conducive to, or indicative of, natural attenuation of chlorinated VOCs in selected monitoring wells across the site. This weighting and scoring table is adapted from the U.S. EPA's technical protocol for natural attenuation of chlorinated aliphatic hydrocarbons (U.S. EPA, 1997). It shows higher scores for OW-10R and OW-13R, located close to the former lagoons on the western side of the Site, and low scores for OW-2 and OW-25, on the eastern side of the site.

# 5.0 Gold Creek Sampling Results

Refer to Section 3.0 for a description of the methods for surface water and sediment sample collection along the creek. Table 7 provides the results for VOCs detected in surface water and sediment samples collected from two locations along Gold Creek (Figure 2).

The results are arranged in the table from the sampling location furthest downstream (SED-1/SW-1) to the furthest upstream (SED-2/SW-2). These are the established sampling locations that have been used throughout the OU-2 monitoring program.

## 5.1 Surface Water Results

VOCs were not detected in surface water samples (Table 7). Historic SW-1 and SW-2 sample results are provided in Appendix B, Table B-2.

## 5.2 Sediment Results

Acetone was detected in the downstream sediment samples SED-1 and SED-1 DUP, at an average concentration of 64 micrograms per kilogram [ug/kg]) during this sampling round (Table 7). Acetone is a common laboratory artifact. Currently neither the National Oceanic and Atmospheric Administration (2008) nor NYSDEC Division of Water (2013) has a guidance value for acetone in freshwater sediments.

## 5.3 Discussion

The results for the two sampling locations along Gold Creek are consistent with past observations for SED-1/SW-1 and SED-2/SW-2. VOCs were not detected in surface water. Acetone was detected in low concentrations in SED-1. Based on these results, there is no evidence that ecological conditions in Gold Creek are being adversely affected by the Site.

# 6.0 Data Quality Review

Data quality review was performed on the two analytical data packages to assure that quality and usability requirements were met.

## 6.1 Introduction

A Tier II data quality review of the sample data package was completed using U.S. EPA guidelines. The Tier II data evaluation consisted of a review of data package completeness and a quality control (QC) review, as summarized in the QC forms provided by the laboratory, covering:

- Signed transmittal page
- Data package narrative
- Sample transmittal documentation
- Standard VOC QC forms for:
  - System monitoring compound (surrogate recovery)
  - Matrix spike/matrix spike duplicate (MS/MSD) recovery
  - Laboratory check samples
  - Method blank summary
  - Instrument performance check
  - Internal standard summary and retention time (RT) summary
  - Initial calibration data
  - Continuing calibration data
- Form Is and raw data for field samples, blanks, laboratory control samples, MS/MSDs
- Copies of logbook pages documenting sample preparation, extract transfer, instruments, and sample tracking
- Holding times
- Form Is and raw data for field and QC samples
- Field duplicates and field, trip, and decontamination blanks.

Checklists documenting the review of two laboratory sample delivery groups (SDGs) are provided in Appendix C.

## 6.2 Results of Data Review

The hand-marked, qualified Form Is are provided in Appendix A with the laboratory reports. Results in Tables 3, 4, 7, B-1, B-2, and B-3 reflect the qualified data. The data qualifiers are:

- U - The analyses were analyzed for, but were not detected above the reported sample quantitation limit.
- J - The analyses were positively identified; the associated numerical value is the approximate concentration of the analyses in the sample.
- UJ - The analyses were not detected above the reported quantitation limit, but the reported quantitation limit is approximate.

The data packages were complete and appropriately organized, and all relevant supporting information was provided.

### 6.2.1 Field QC Samples

The field QC samples for VOC analyses were one surface water duplicate (SW-1); one sediment duplicate (SED-1); one groundwater duplicate (OW-13R); three MS/MSD pairs (SW-2 MS/MSD, SED-2 MS/MSD, OW-5 MS/MSD); one decontamination blank for the pump (pump rinsate); three field blanks; and two trip blanks. A field blank was collected for each of the three sampling days, and a trip blank was included with each sample shipment.

### 6.2.2 Data Quality and Usability

Although there were some qualifications as estimated or nondetectable values that resulted from the data quality review process, the analytical results are usable and of acceptable quality; no results have been rejected.

# 7.0 Summary and Conclusions

The results of the 2013 sampling program for the Carroll and Dubies Site show:

- Groundwater elevations were lower on average by 1.61 feet, compared to the October 2011 groundwater elevations. The purpose of sampling every fifth quarter beginning with this round is to get an up-to-date look at conditions throughout the hydrologic cycle. While groundwater elevations were on the average lower, there was not an appreciable difference in groundwater quality compared to October 2011 or previous years.
- Some of the monitoring wells continue to exceed MCLs and SGVs. The number of exceedances has been about the same over the past five monitoring rounds, ranging from 15 to 18 SGV exceedances in wells sampled since July 2008.
- VOCs continued to be nondetectable at the eastern boundary of the site at OW-8 and OW-25.
- Surface water and sediment samples from Gold Creek were nondetectable except for one estimated detection of acetone in sediment, possibly a laboratory artifact.

In reviewing the groundwater contaminant concentration trends over the past five years, the many years of monitoring results demonstrate that natural attenuation is continuing to degrade VOCs, and the rate of degradation is slowing as the concentrations decline. This is the expected result, as the declining contaminant concentrations reduce the driving force for the attenuation processes. The results further demonstrate that Site conditions are stabilizing. In addition, as the rate of attenuation continues to slow, it may be years before MCLs and SGVs are met in all monitoring wells throughout the plume, but Site conditions will continue to be stabilized.

The OU2 groundwater remediation ROD, written in 1996, stated that natural attenuation of organic contaminants should achieve treatment of groundwater “to below federal drinking water and state groundwater standards through naturally occurring removal processes” and that “groundwater modeling estimated that contaminants would attenuate to these standards within five years of completion of the remedy selected for the lagoons.” The pre-1996 modeling results referenced in the OU2 ROD have not proven out, however, much more is known about natural attenuation trends and benefits than 15 to 20 years ago.

The current monitoring program is not necessary to accomplish any necessary Site objective or match Site conditions. Over the next two years, we anticipate reducing and

eventually ending the monitoring program at the Site, in essence, to reach No Further Action status. With stable to declining groundwater concentrations and institutional controls in place, conditions will continue to be protective of human health and the environment, with no exposure pathways that could result in unacceptable risks. In the event that any action is necessary to address this modification, an Explanation of Significant Differences or other appropriate mechanism would appear to be available.

Specifically, we anticipate reducing monitoring conducted during the second quarter (spring) of 2014 and third (summer) quarter of 2015. If groundwater conditions remain within the range of what has been seen since 2010, monitoring would cease, coincident with the next Five Year Review. The reduced monitoring program for 2014 and 2015 would be:

- Discontinue groundwater monitoring for MW-1, OW-24, and OW-25. Side-gradient MW-1 has been nondetectable for 10 years, and has only had low detections in estimated concentrations. OW-24 and OW-25 were installed in 2006 following the first Five Year Review to verify delineation of the eastern boundary of the groundwater plume, and have been nondetectable.

- Discontinue sediment and surface water monitoring in Gold Creek at SED-1, SED-2, SW-1, and SW-2. Since surface water and sediment sampling began in 2000, contaminants have never been detected in concentrations that indicate unacceptable human or ecological risks. This monitoring program was supplemented in 2006 with a pore water monitoring program, the results of which likewise indicated no unacceptable risks.

# 8.0 References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# Tables

**Table 1**
**Groundwater Field Stabilization Parameters**
**February 2013**
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| **Well ID** | **Date** | **Temperature** (°C) | **Dissolved Oxygen** (mg/L) | **Redox** (mV) | **Conductivity** (uS/cm) | **pH** (standard units) | **Turbidity** (NTUs) |
|---|---|---|---|---|---|---|---|
| MW-4 | 02/08/13 | 11.11 | 0.44 | 59.6 | 263 | 6.17 | 0.76 |
| OW-2 | 02/06/13 | 11.04 | 6.78 | NR | 190 | 5.49 | 0.21 |
| OW-5 | 02/06/13 | 11.45 | 0.61 | NR | 362 | 5.96 | 0.27 |
| OW-6 | 02/06/13 | 10.97 | 3.81 | NR | 123 | 5.56 | 0.72 |
| OW-8 | 02/06/13 | 11.20 | 0.39 | NR | 139 | 6.09 | 1.31 |
| OW-10R | 02/08/13 | 11.58 | 0.47 | 61.2 | 403 | 6.05 | 0.37 |
| OW-13R | 02/08/13 | 11.86 | 0.17 | NR | 579 | 5.68 | 30.8 |
| OW-18 | 02/07/13 | 11.01 | 0.14 | NR | 840 | 5.94 | 1.56 |
| OW-19 | 02/07/13 | 9.66 | 1.18 | NR | 994 | 5.60 | 7.08 |
| OW-21 | 02/08/13 | 11.58 | 0.28 | 39.5 | 409 | 6.31 | 0.54 |
| OW-22 | 02/08/13 | 11.21 | 0.30 | 14.7 | 567 | 6.24 | 0.27 |
| OW-24 | 02/07/13 | 10.44 | 3.20 | NR | 246 | 6.12 | 3.65 |
| OW-25 | 02/07/13 | 10.68 | 7.07 | NR | 118 | 4.38 | 39.8 |

**Notes**:

mg/L = milligrams per liter

mV = milliVolts

uS/cm = microSiemens per centimeter

NTU = nephelometric turbidity units

NR = not reported; instrument malfunction

**Table 2**

**Groundwater and Surface Water Elevation Data[1]**

**February 2013**

**Carroll and Dubies Superfund Site**

**Town of Deerpark, Orange County, New York**

| Well No. | Top of Casing Elevation or Staff Gauge[2] | Screened Interval | Depth to Groundwater or Surface Water | Groundwater or Surface Water Elevation |
|---|---|---|---|---|
| MW-1 | 469.39 | 28.5 - 43.5 | Not Measured | Not Measured |
| MW-4 | 470.13 | 35.3 - 50.3 | 38.11 | 432.02 |
| OW-2 | 472.33 | 30.0 - 47.0 | 40.25 | 432.08 |
| OW-3 | 472.70 | 30.0 - 46.5 | 40.79 | 431.91 |
| OW-4 | 473.33 | 26.5 - 27.5 | 34.62 | 438.71 |
| OW-5 | 459.85 | 25.5 - 45.5 | 27.78 | 432.07 |
| OW-6 | 464.40 | 31.4 - 51.4 | 32.39 | 432.01 |
| OW-8 | 464.63 | 34.6 - 54.6 | 32.50 | 432.13 |
| OW-9 | 472.91 | 25.3 - 35.3 | 28.43 | 444.48 |
| OW-10R | 469.27 | 29.0 - 39.0 | 28.17 | 441.10 |
| OW-13R | 457.69 | 25.0 - 35.0 | 25.60 | 432.09 |
| OW-15 | 472.05 | 22.0 - 32.0 | 11.63 | 460.42 |
| OW-16 | 453.90 | 18.0 - 28.0 | 22.11 | 431.79 |
| OW-17 | 447.18 | 11.0 - 21.0 | 15.49 | 431.69 |
| OW-18 | 444.57 | 11.0 - 21.0 | 12.90 | 431.67 |
| OW-19 | 438.69 | 5.0 - 15.0 | 7.28 | 431.41 |
| OW-21 | 467.46 | 37.1 - 47.1 | 35.92 | 431.54 |
| OW-22 | 467.10 | 38.0 - 48.0 | 35.32 | 431.78 |
| OW-23 | 444.73 | 29.0 - 39.0 | 13.22 | 431.51 |
| OW-24 | 446.77 | 14.4 - 24.4 | 15.37 | 431.40 |
| OW-25 | 452.47 | 20.0 - 30.0 | 20.76 | 431.71 |
| SW-1 | 432.01 | - | Not Measured | Not Measured |
| SW-2 | 432.01 | - | Not Measured | Not Measured |
| SW-3 | 437.44 | - | Not Measured | Not Measured |

**Notes**:

[1]Data reported in feet; elevations relative - mean sea level; 1988 National Geodetic Vertical Datum.

[2]Top of casing and gauge staff elevations surveyed by Maser Consulting P.A.

MW-1 could not be located due to ice and snow. SW-1 staff gauge not visible due to ice and snow.

SW-2 and SW-3 surface water elevations were not measured because staff gauges were missing.

**Table 3**
**Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**February 2013**
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Compound | NYSDEC | U.S. EPA | MW-4 | OW-2 | OW-5 | OW-6 | OW-8 | OW-10R | OW-13R | OW-13R DUP |
|---|---|---|---|---|---|---|---|---|---|---|
| | SGV | MCL | 02/08/13 | 02/06/13 | 02/06/13 | 02/06/13 | 02/06/13 | 02/08/13 | 02/08/13 | 02/08/13 |
| Benzene | 1 (S) | 5 | 1.2 | 10 U | 1.0 U | 1.3 U | 1.0 U | 2.8 | 5.4 | 5.0 |
| Chlorobenzene | 5 (S)* | 100 | 1.0 U | 10 U | 1.0 U | 1.3 U | 1.0 U | 6.0 | 1.0 U | 1.0 U |
| Chloroethane | 5 (S)* | NE | 1.0 U | 10 U | 1.0 U | 1.3 U | 1.0 U | 1.3 | 1.0 U | 1.0 U |
| Cis 1,2-Dichloroethene | 5 (S)* | 70 | 1.0 U | 330 | 1.3 | 19 | 1.0 U | 1.0 U | 1.9 | 1.8 |
| 1,4-Dichlorobenzene | 3 (S) | 75 | 1.0 U | 10 U | 1.0 U | 1.3 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethene | 5 (S)* | 5 | 1.0 U | 180 | 1.5 | 44 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethene | 5 (S)* | 5 | 1.0 U | 26 | 1.0 U | 8.9 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Vinyl Chloride | 2 (S) | 2 | 1.0 U | 10 U | 1.0 U | 1.3 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |

| Compound | NYSDEC | U.S. EPA | OW-18 | OW-19 | OW-21 | OW-22 | OW-24 | OW-25 |
|---|---|---|---|---|---|---|---|---|
| | SGV | MCL | 02/07/13 | 02/07/13 | 02/08/13 | 02/08/13 | 02/07/13 | 02/07/13 |
| Benzene | 1 (S) | 5 | 5.1 | 2.5 | 2.0 | 6.2 | 1.0 U | 1.0 U |
| Chlorobenzene | 5 (S)* | 100 | 11 | 14 | 1.0 U | 9.3 | 1.0 U | 1.0 U |
| Chloroethane | 5 (S)* | NE | 1.0 U | 1.2 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Cis 1,2-Dichloroethene | 5 (S)* | 70 | 1.0 U | 1.1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| 1,4-Dichlorobenzene | 3 (S) | 75 | 1.4 | 1.1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethene | 5 (S)* | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethene | 5 (S)* | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Vinyl Chloride | 2 (S) | 2 | 1.1 | 3.1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |

**Notes**:

TCL = Target Compound List

NYSDEC SGV = New York State Department of Environmental Conservation Standards (S) and Guidance (G) Values (V) for groundwater.

U.S. EPA MCL = United States Environmental Protection Agency Maximum Contaminant Level for drinking/groundwater.

U = The analyte was analyzed for, but was not detected above the reported quantitation limit.

* = The principal organic contaminant (POC) standard for groundwater of 5 ug/L applies to this substance.

NE = Not established; no criteria specified

**Red** = **Concentrations detected at or above regulatory limit**

**Blue** = **Analyte detected at less than regulatory limit, or analyte detected but no regulatory criteria specified**

**Table 4**
**Natural Attenuation Parameters**
**February 2013**
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| **Well ID** | **Date** | **Alkalinity** (mg/L) | **Chloride** (mg/L) | **Dissolved Oxygen** (mg/L) | **Ethane** (ug/L) | **Ethene** (ug/L) | **Ferrous Iron** (mg/L)* | **Methane** (ug/L) | **Nitrate as N** (mg/L) | **Redox** (mV) | **Sulfate** (mg/L) | **Sulfide** (mg/L) | **TOC** (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 02/08/13 | 110 | 19 | 0.44 | ND | ND | 3.8 | 55 | ND | 59.6 | 44 | ND | 1.7 |
| OW-2 | 02/06/13 | 52 | 1.8 | 6.78 | ND | ND | 0.2 | ND | 6.1 | NR | 22 | ND | ND |
| OW-5 | 02/06/13 | 120 | 16 | 0.61 | ND | ND | 1.5 | 9.6 | 0.57 | NR | 42 | ND | ND |
| OW-6 | 02/06/13 | 38 | 1.2 | 3.81 | ND | ND | ND | ND | 0.34 | NR | 21 | 1.0 | ND |
| OW-8 | 02/06/13 | 50 | 1.5 | 0.39 | ND | ND | 4.6 | 2.4 | ND | NR | 17 | ND | ND |
| OW-10R | 02/08/13 | 280 | 2.3 | 0.47 | ND | ND | 4.2 | 2,700 | ND | 61.2 | 28 | ND | 3.3 |
| OW-13R | 02/08/13 | 290 | 3.3 | 0.17 | ND | ND | 3.0 | 190 | 1.5 J | NR | 28 | 1.0 J | 3.7 |
| OW-13R Dup | 02/08/13 | 280 | 3.4 | 0.17 | ND | ND | 3.0 | 210 | 1.6 J | NR | 29 | UJ | 3.3 |
| OW-18 | 02/07/13 | 380 | 17 | 0.14 | 0.51 | 0.53 | 3.4 | 4,500 | ND | NR | ND | ND | 14 |
| OW-19 | 02/07/13 | 310 | 110 | 1.18 | 1.3 | 0.50 | 4.6 | 1,300 | ND | NR | 19 | ND | 12 |
| OW-21 | 02/08/13 | 280 | 5.2 | 0.28 | ND | ND | 2.6 | 400 | ND | 39.5 | 29 | ND | 3.8 |
| OW-22 | 02/08/13 | 350 | 14 | 0.30 | ND | ND | 2.2 | 2,400 | ND | 14.7 | ND | ND | 10 |
| OW-24 | 02/07/13 | 120 | 1.6 | 3.20 | ND | ND | ND | ND | 0.20 J | NR | 14 | ND | ND |
| OW-25 | 02/07/13 | 31 | 1.5 | 7.07 | ND | ND | ND | ND | 3.9 J | NR | 10 | ND | 2.2 |

**Notes**:

mg/L = milligrams per liter

ug/L = micrograms per liter

*Ferrous iron was measured in the field (Hach kit).

mV = milliVolts

TOC = total organic carbon

ND = not detected

J = Estimated, based on data quality review.

UJ = Qualified as nondetectable at the reporting limit but the reporting limit is estimated, based on data quality review.

NR = Not reported due to field instrument malfunction

**Table 5**
**MCL and SGV Exceedances - 1999, 2004, and 2006 through 2013**
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Well | Compound | MCL ug/L | SGV ug/L | 1999 | | 2004 | | Feb-06 | | Aug-06 | | Jun-07 | | Jul-08 | | Jul-09 | | Jul-10 | | Oct-11 | | Feb-13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV |
| MW-4 | Benzene | 5 | 1 | X | X | | X | | X | X | X | X | X | | X | | X | | X | | X | | X |
| | 1,2-Dichloroethene (1,2-DCE) | 70 | 5 | | X | | | | | | | | | | | | | | | | | | |
| OW-2 | Benzene | 5 | 1 | | | | X | | | | | | | | | | | | | | | | |
| | Tetrachloroethene (PCE) | 5 | 5 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | Trichloroethene (TCE) | 5 | 5 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | 1,2-Dichloroethene (1,2-DCE) | 70 | 5 | X | X | X | X | X | X | X | X | | X | | X | | X | | X | X | X | X | X |
| OW-5 | Tetrachloroethene (PCE) | 5 | 5 | X | X | X | X | | | X | X | | | | | | | | | | | | |
| | Trichloroethene (TCE) | 5 | 5 | X | X | | | | | | | | | | | | | | | | | | |
| | 1,2-Dichloroethene (1,2-DCE) | 70 | 5 | | X | | X | | X | | X | | X | | X | | | | | | | | |
| OW-6 | Tetrachloroethene (PCE) | 5 | 5 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | Trichloroethene (TCE) | 5 | 5 | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| | 1,2-Dichloroethene | 70 | 5 | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X |
| OW-10R[(1)] | Benzene | 5 | 1 | X | X | X | X | | X | X | X | | X | X | X | | X | | X | | X | | X |
| | Chlorobenzene | 100 | 5 | | X | | | | | | | | | | | | | | | | X | | X |
| | Methylene chloride | 5 | 5 | X | X | | | | | | | | | | | | | | | | | | |
| | Toluene | 1,000 | 5 | | X | | | | | | | | | | | | | | | | | | |

**Table 5**

**MCL and SGV Exceedances - 1999, 2004, and 2006 through 2013**

**Carroll and Dubies Superfund Site**

**Town of Deerpark, Orange County, New York**

| Well | Compound | MCL ug/L | SGV ug/L | 1999 | | 2004 | | Feb-06 | | Aug-06 | | Jun-07 | | Jul-08 | | Jul-09 | | Jul-10 | | Oct-11 | | Feb-13 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV | MCL | SGV |
| OW-13 / OW-13R[2] | Benzene | 5 | 1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | X | X |
| | 1,2-Dichloroethene (1,2-DCE) | 70 | 5 | | X | | | | | | | | | | | | | | | | | | |
| | Methylene chloride | 5 | 5 | X | X | | | | | | | | | | | | | | | | | | |
| | Toluene | 1,000 | 5 | | X | | | | | | | | | | | | | | | | | | |
| | Vinyl chloride | 2 | 2 | X | X | X | X | | | | | | | | | | | | | | | | |
| OW-18 | Benzene | 5 | 1 | | X | | X | X | X | | X | | X | | X | | X | | X | | X | | X |
| | Chlorobenzene | 100 | 5 | | | | X | | X | | X | | X | | X | | X | | X | | X | | X |
| | Xylenes (total) | 10,000 | 5 | | | | | | X | | | | | | | | | | | | | | |
| OW-19 | Benzene | 5 | 1 | X | X | | X | | X | | X | | X | | X | | X | | X | | X | X | X |
| | Chlorobenzene | 100 | 5 | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X |
| | Chloroethane | NA | 5 | | X | | | | | | | | | | | | | | | | | | |
| | Vinyl chloride | 2 | 2 | X | X | | | X | X | X | X | | | | | X | X | | | X | X | X | X |
| OW-21 | Benzene | 5 | 1 | X | X | | X | | X | | X | | X | | X | | X | | X | | X | | X |
| OW-22 | Benzene | 5 | 1 | X | X | | X | X | X | | X | | X | | X | X | X | | X | X | X | X | X |
| | Chlorobenzene | 100 | 5 | | X | | X | | X | | X | | | | | | X | | | | X | | X |
| | Vinyl chloride | 2 | 2 | X | X | | | | | | | | | | | | | | | | | | |
| Total | | | | 17 | 28 | 9 | 20 | 9 | 19 | 10 | 19 | 6 | 16 | 6 | 16 | 7 | 17 | 5 | 15 | 7 | 17 | 9 | 18 |

**Notes**:

[1]OW-10 was replaced with OW-10R in 2000. OW-10 was abandoned because it was within the OU1 construction area.

[2]OW-13R was installed in February 2006 to replace OW-13.

**Table 6**
**Weighting and Scoring of Natural Attenuation Parameters**
**February 2013**
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | Concentration Indicating Conditions for Reductive Dechlorination | Ranking Value | OW-2 | OW-10R | OW-13R | OW-25 |
|---|---|---|---|---|---|---|
| Dissolved Oxygen | <0.5 mg/L | 3 | - | 3 | 3 | - |
| Dissolved Oxygen | >1 mg/L | -3 | -3 | - | - | -3 |
| Nitrate | <1 mg/L | 2 | - | 2 | - | - |
| Iron (II) | >1 mg/L | 3 | - | 3 | 3 | - |
| Sulfate | <20 mg/L | 2 | - | - | - | 2 |
| Oxidation Reduction Potential (ORP) | <50 mV | 1 | NR | - | NR | NR |
| | <-100 mV | 2 | NR | - | NR | NR |
| Temperature | >20°C | 1 | - | - | - | - |
| Total Organic Carbon | >20 mg/L | 1 | - | - | - | - |
| Alkalinity | >2x background (MW-1[(1)]) | 1 | - | 1 | 1 | - |
| Chloride | >2x background (MW-1 [(1)]) | 2 | - | - | - | - |
| BTEX | >0.1 mg/L | 2 | - | - | - | - |
| 1,2-Dichloroethene | Detected | 2 | 2 | - | 2 | - |
| Vinyl Chloride | Detected | 2 | - | - | - | - |
| Chloroethane | Detected | 2 | - | 2 | - | - |
| 1,1-Dichloroethene | Detected | 2 | - | - | - | - |
| 1,1-Dichloroethane | Detected | 2 | - | - | - | - |
| Methane | Detected | 2 | - | 2 | 2 | - |
| Ethane | Detected | 2 | - | - | - | - |
| Ethene | Detected | 2 | - | - | - | - |
| ***Total Score*** | | | **-1** | **13** | **11** | **-1** |

*Source: U.S. EPA, 1997.*

(1) Compare to 2007-2011 average of 105 mg/L for alkalinity and 3.2 mg/L for chloride for MW-1.

NR = Not reported because of equipment malfunction.

**Table 7**
**Detected Volatile Organic Compounds**
**Surface Water and Sediment Sampling Locations in Gold Creek**
**February 2013**
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Location | Sediment Guidance Value | SED-1 / SW-1 (Downstream) | | | | SED-2 / SW-2 (Upstream) | |
|---|---|---|---|---|---|---|---|
| **Sample** | | **SED-1** | **SED-1 DUP** | **SW-1** | **SW-1 DUP** | **SED-2** | **SW-2** |
| **Constituent** | **ug/kg** | **ug/kg** | **ug/kg** | **ug/L** | **ug/L** | **ug/kg** | **ug/L** |
| Acetone | Not established(1) | **72 J** | **56 J** | 10 U | 10 U | 150 UJ | 10 U |

**Notes**:

(1) Not established in NYSDEC Screening and Assessment of Contaminated Sediment document (draft) dated 01/24/2013 or in 2008 National Oceanic and Atmospheric Administration Screening Quick Reference Tables.

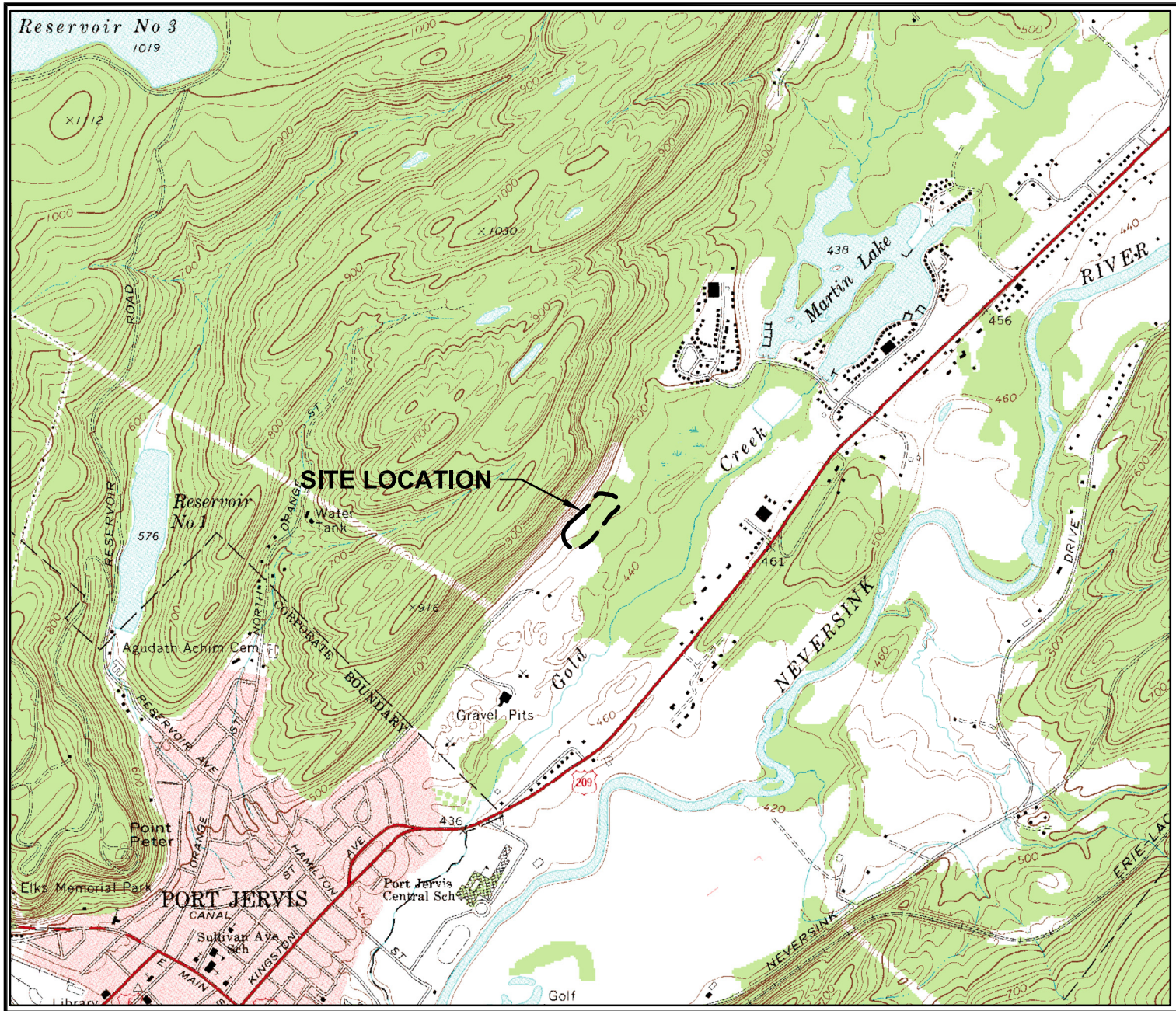
J = Estimated result.

U = The analyte was analyzed for but not detected above the quantitation limit.

UJ = Nondetectable at the reporting limit, but the reporting limit is approximate.

**Blue** = **Detected constituents**

# Figures




2,000' 0 2,000'

SCALE IN FEET

LEGEND:

APPROXIMATE SITE BOUNDARY

SOURCE:
USGS TOPOGRAPHIC QUADRANGLE MAP
PORT JERVIS NORTH, NEW YORK, DATED 1991.

CARDINAL RESOURCES

CARROLL AND DUBIES SUPERFUND SITE
TOWN OF DEERPARK, ORANGE COUNTY, NEW YORK

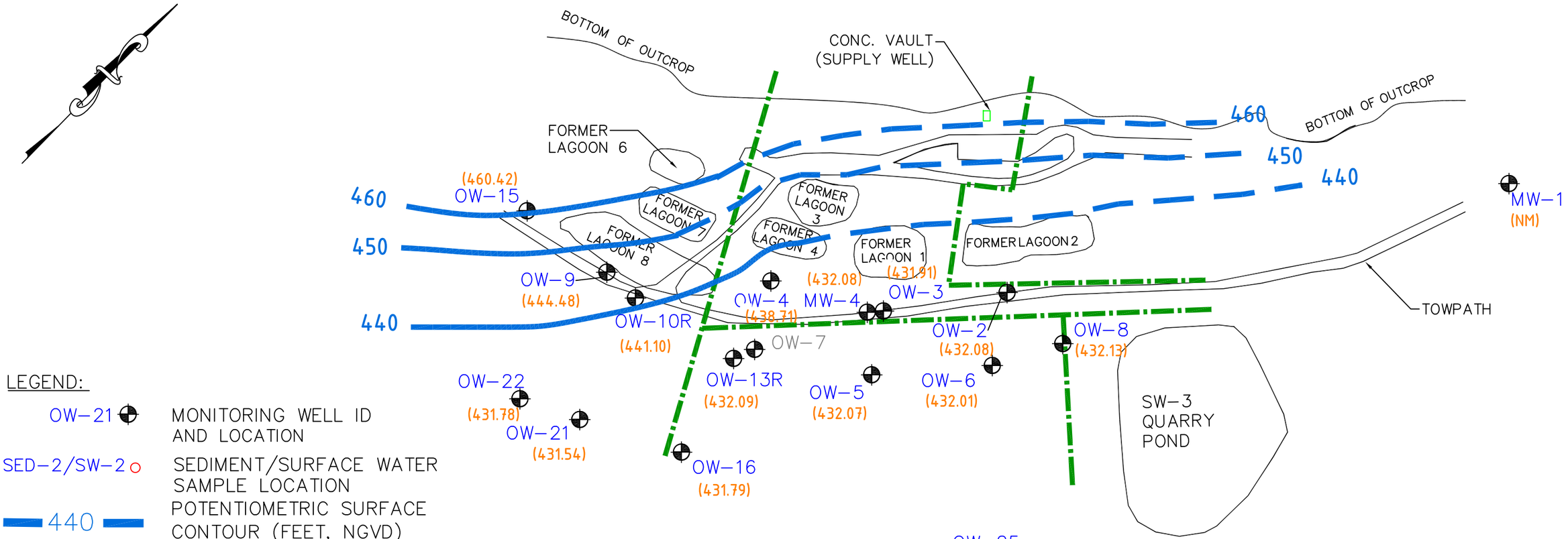
105-0035

| NO | DRWN | DATE | REVISION | CHKD | DATE | APPVD | DATE |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 0 | ECM | | | | | | |

FIGURE 1

SITE LOCATION MAP

| CADD FILE | 9005 | SCALE | AS NOTED | CURRENT DATE: | 03-07-2005 |
|---|---|---|---|---|---|
| DRAWING NO. | 105-0035-0300-01 | | | REVISION | 0 |




LEGEND:

OW-21 — MONITORING WELL ID AND LOCATION

SED-2/SW-2 — SEDIMENT/SURFACE WATER SAMPLE LOCATION

440 — POTENTIOMETRIC SURFACE CONTOUR (FEET, NGVD) (DASHED WHERE INFERRED)

(433.65) — GROUNDWATER ELEVATION (FEET, NGVD)

(NM) — NOT MEASURED – MW-1 COULD NOT BE LOCATED

INFORMATION OF FACT:

1. THE MONITORING/RECOVERY WELLS AND LIMITED SITE LOCATION OF PHYSICAL FEATURES SHOWN HEREON ARE BASED ON A FIELD SURVEY MADE FOR PROPER ORIENTATION WITH A FULL PLAN BEING PREPARED BY SHIELD ENVIRONMENTAL ASSOCIATES, INC.
2. THE HORIZONTAL POSITION OF THE HEREIN SURVEYED "CARROLL AND DUBIES" SUPERFUND SITE IS BASED ON NEW YORK GEODETIC CONTROL MONUMENTS PID # LY2611 (LAUREL) AND PID # AB3870 (DIANNE).

   ADJUSTED TO NAD 1983 WITHIN THE NEW YORK STATE PLANE COORDINATE SYSTEM.

NOTE: THE OUTLINES OF THE FORMER LAGOONS ARE BASED ON THE ACTUAL EXCAVATION.

SOURCES: MASTER CONSULTING P.A. MONITORING WELL LOCATION PLAN. INDEXN). SU0009, MARCH 3, 1999.

| NO | DRWN | DATE | REVISION | CHKD | DATE | APPVD | DATE |
|---|---|---|---|---|---|---|---|
| 1 | LK | 2/18/13 | GW CONTOURS AND ELEVATIONS UPDATE | | | | |

CARROLL AND DUBIES SUPERFUND SITE
TOWN OF DEERPARK, ORANGE COUNTY, NEW YORK
104-0012

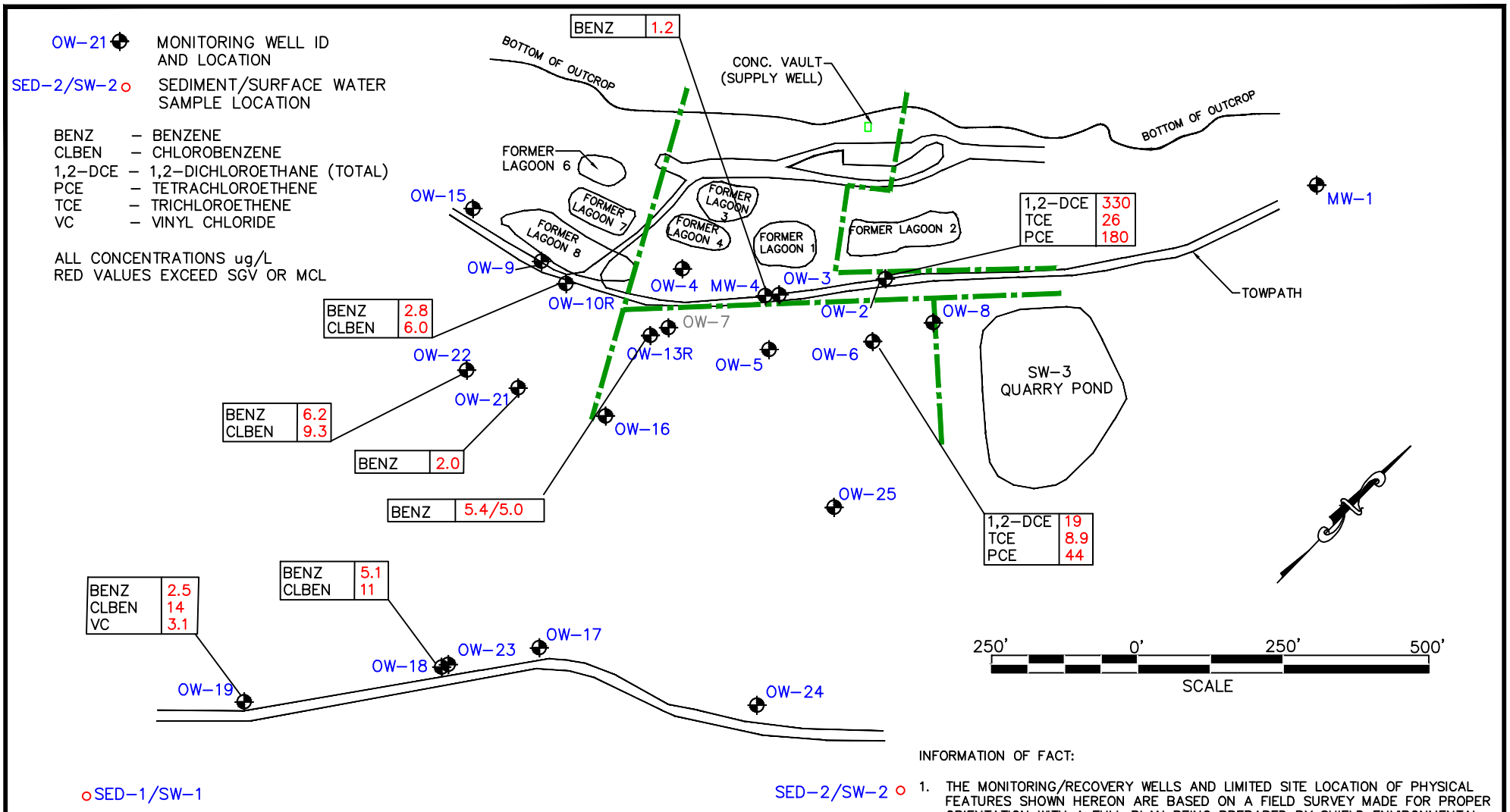
CURRENT DATE 02-18-2013 | LK

FIGURE 2
GROUNDWATER CONTOUR MAP
FEBRUARY 2013

DRAWING NO. 104-0012-0300-09 OCTOBER | SCALE AS NOTED

CARDINAL

REVISION




INFORMATION OF FACT:

1. THE MONITORING/RECOVERY WELLS AND LIMITED SITE LOCATION OF PHYSICAL FEATURES SHOWN HEREON ARE BASED ON A FIELD SURVEY MADE FOR PROPER ORIENTATION WITH A FULL PLAN BEING PREPARED BY SHIELD ENVIRONMENTAL ASSOCIATES, INC.
2. THE HORIZONTAL POSITION OF THE HEREIN SURVEYED "CARROLL AND DUBIES" SUPERFUND SITE IS BASED ON NEW YORK GEODETIC CONTROL MONUMENTS PID # LY2611 (LAUREL) AND PID # AB3870 (DIANNE).

   ADJUSTED TO NAD 1983 WITHIN THE NEW YORK STATE PLANE COORDINATE SYSTEM.

NOTE: THE OUTLINES OF THE FORMER LAGOONS ARE BASED ON THE ACTUAL EXCAVATION.

SOURCES: MASTER CONSULTING P.A. MONITORING WELL LOCATION PLAN. INDEXN). SU0009, MARCH 3, 19999.

CARROLL AND DUBIES SUPERFUND SITE
TOWN OF DEERPARK, ORANGE COUNTY, NEW YORK
104-0012

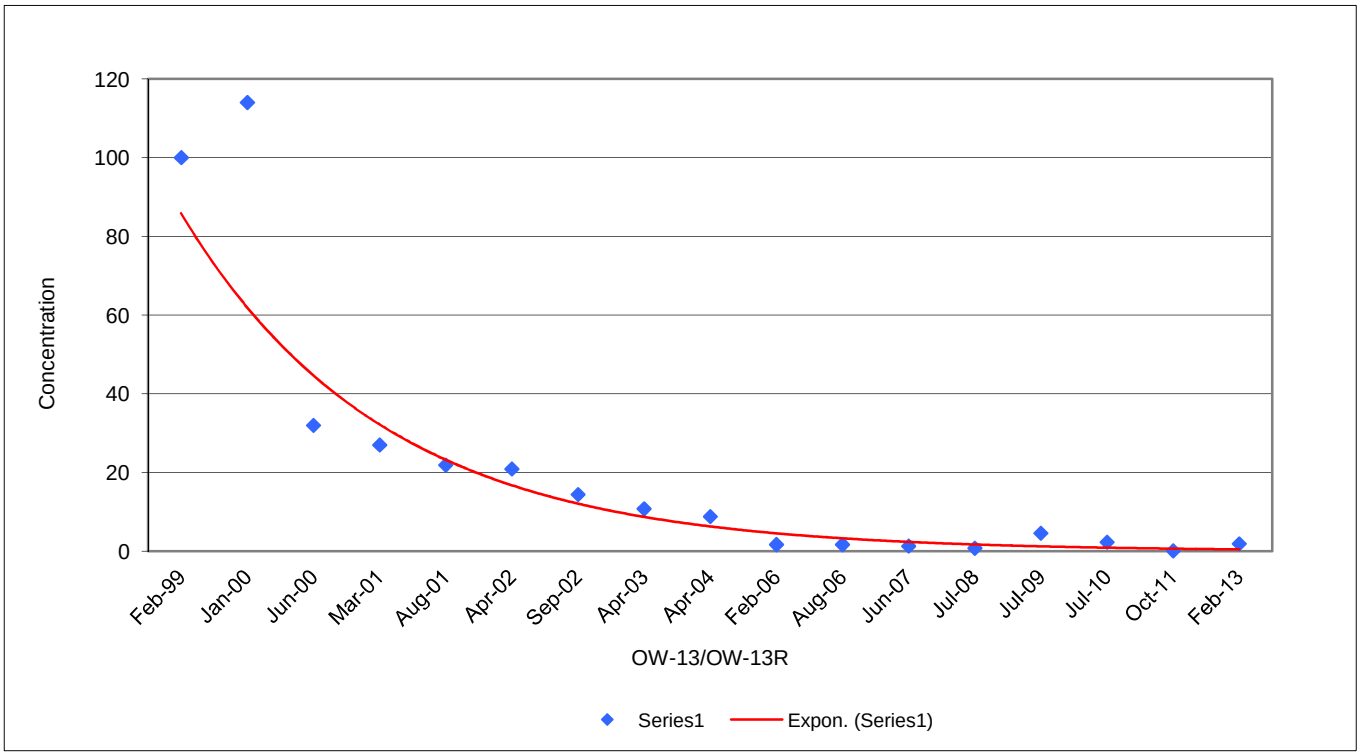
# FIGURE 3
# VOLATILE ORGANIC COMPOUND EXCEEDANCES IN GROUNDWATER

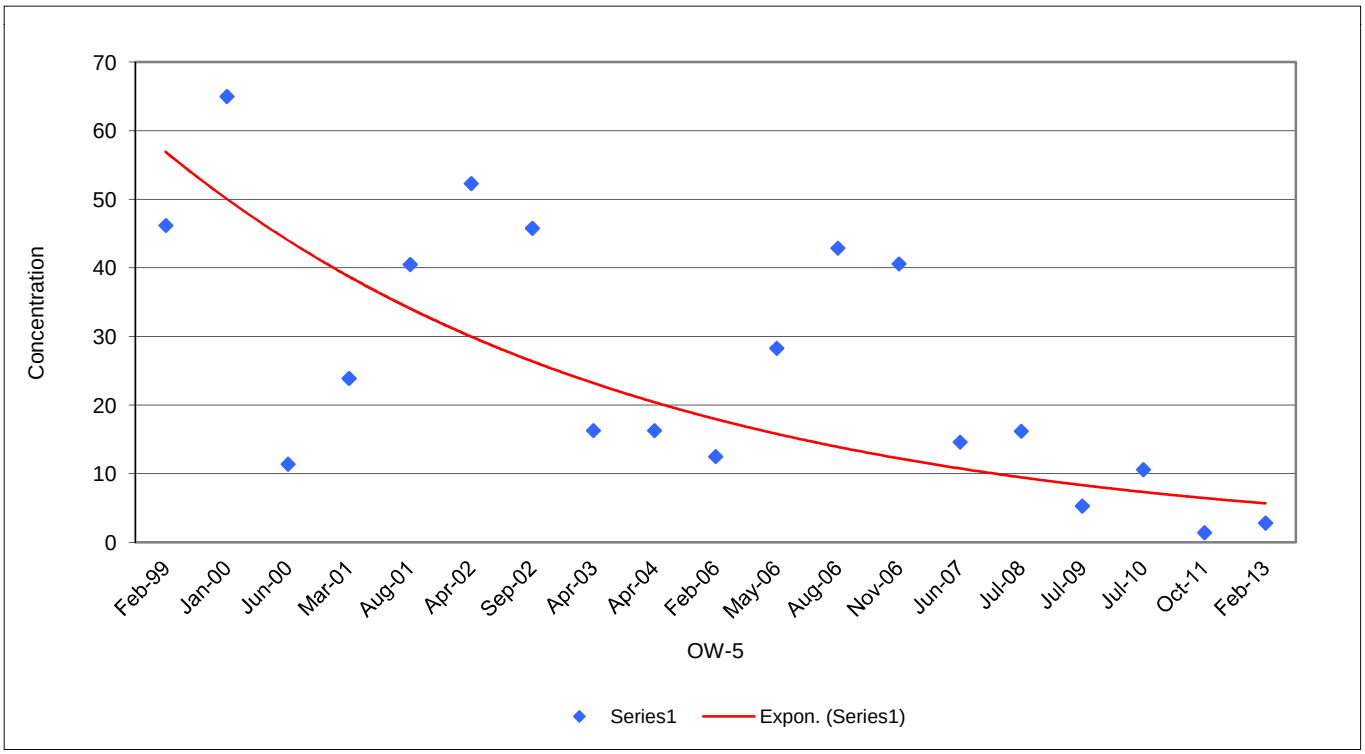
FEBRUARY 2013

CARDINAL

| CURRENT DATE | 03–18–2013 | LK | | DRAWING NO. | 104–0012–0300–09 OCTOBER 11 | SCALE | AS NOTED | REVISION |
|---|---|---|---|---|---|---|---|---|

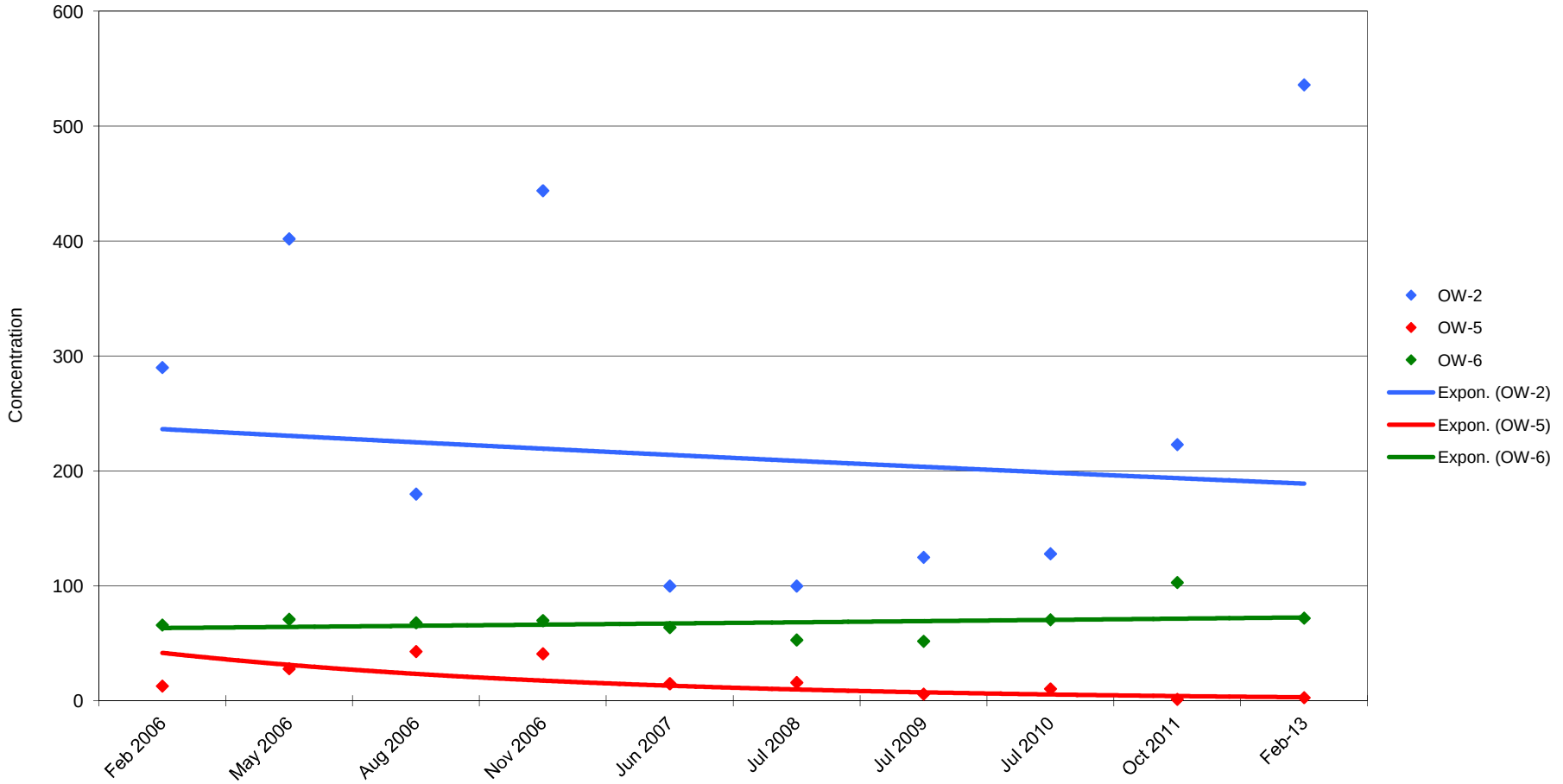
**Figure 4**
**Chlorinated VOC[1] Trends in OW-13/13R and OW-5**
**Pre-Excavation to February 2013**



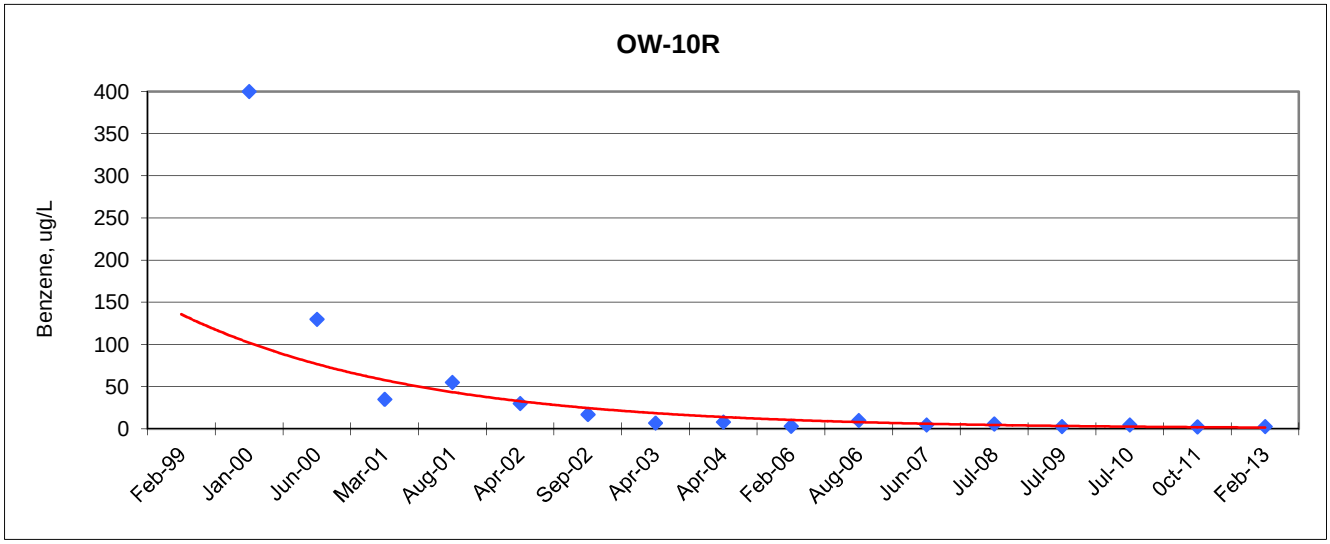

[1]Sum of vinyl chloride, 1,2-dichloroethene, trichloroethene, and tetrachloroethene.

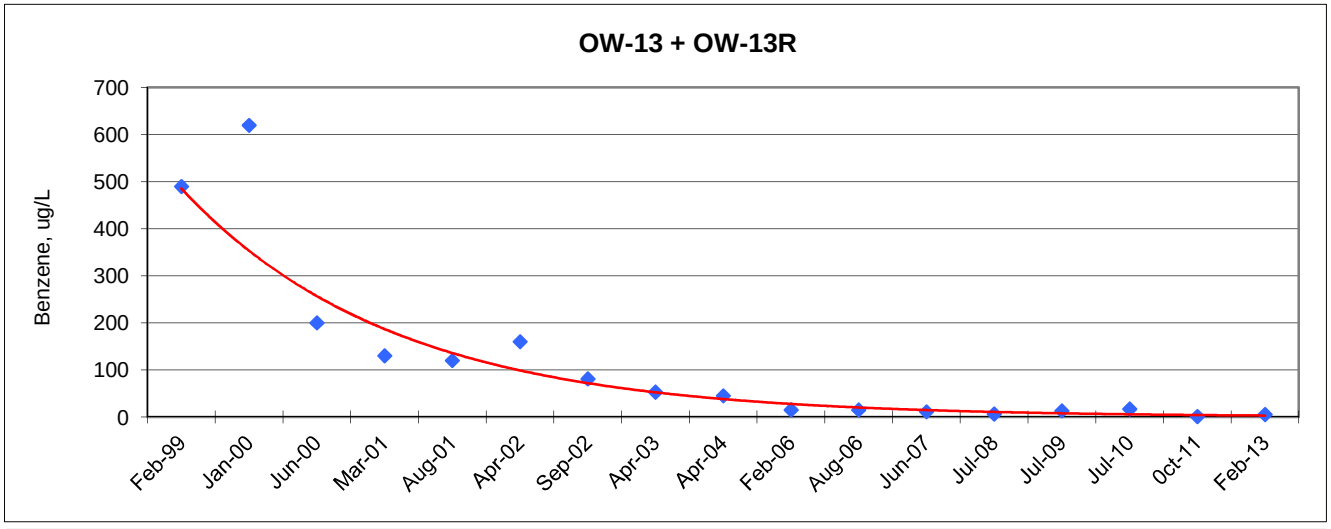
**Figure 5**
**Chlorinated VOC[1] Trends in OW-2, OW-5, and OW-6**
**2006 - 2013**

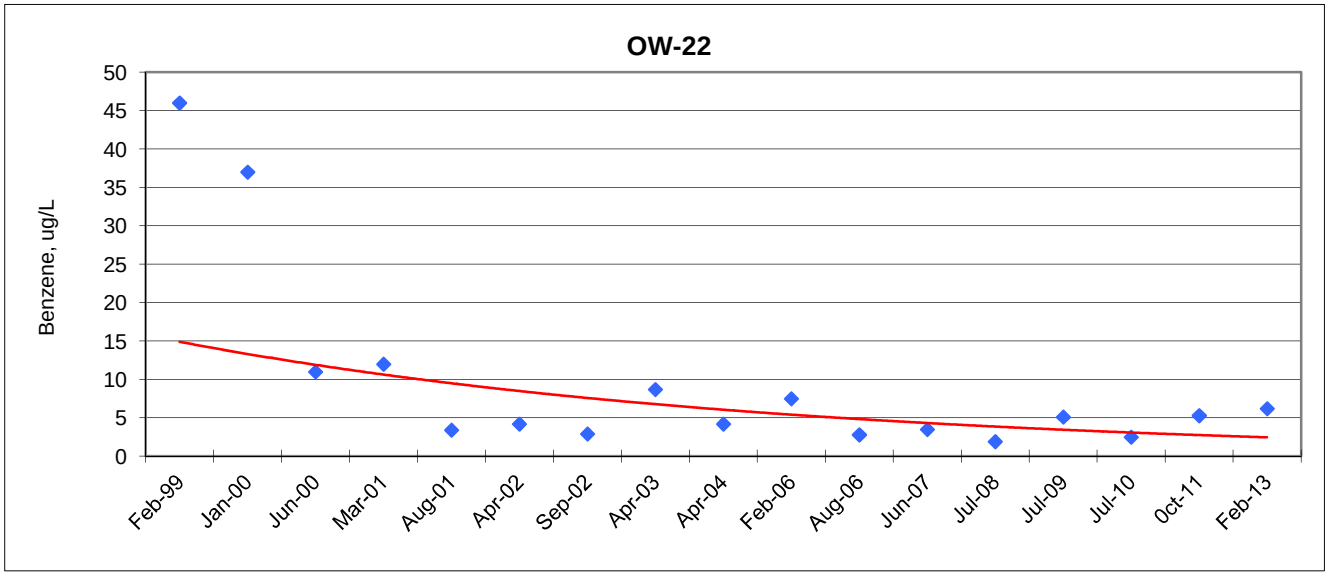



[1]Sum of vinyl chloride, 1,2-dichloroethene, trichloroethene, and tetrachloroethene.

**Figure 6**
**Benzene Concentration Trends in Selected Monitoring Wells**
**Pre-Excavation to February 2013**

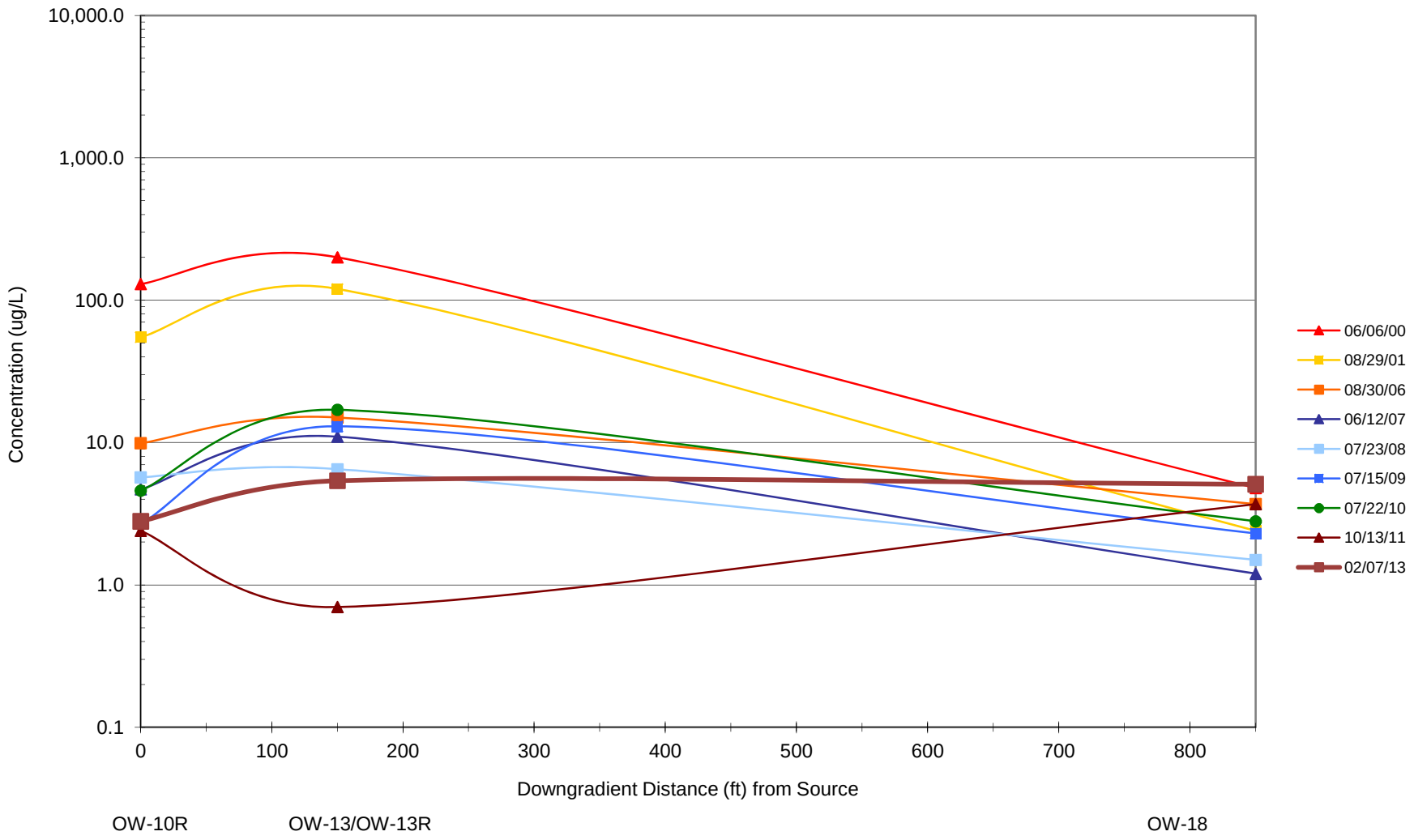


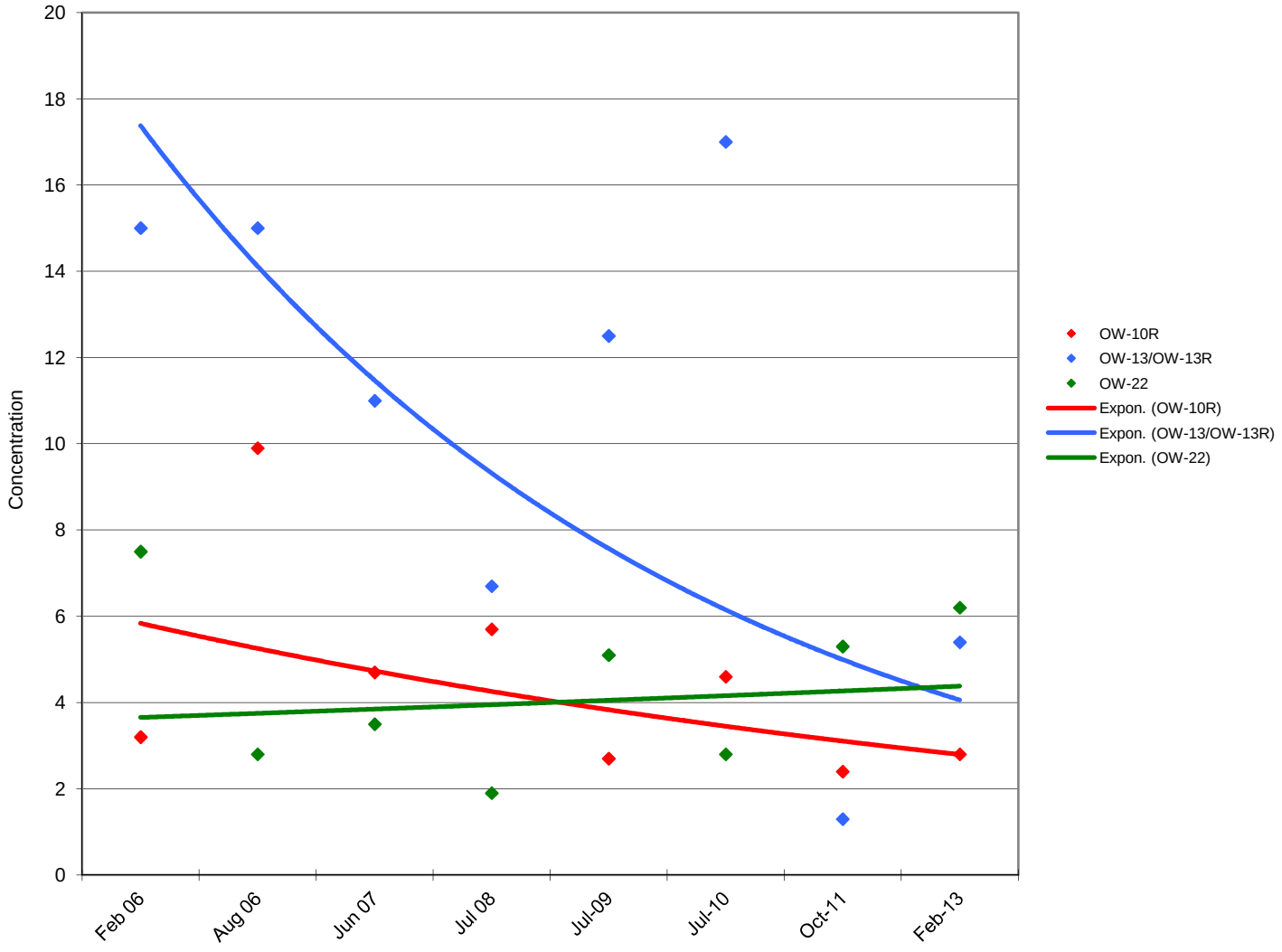

**Note**: OW-10R, OW-13R, and OW-22 were not sampled during the May and November 2006 sampling rounds.

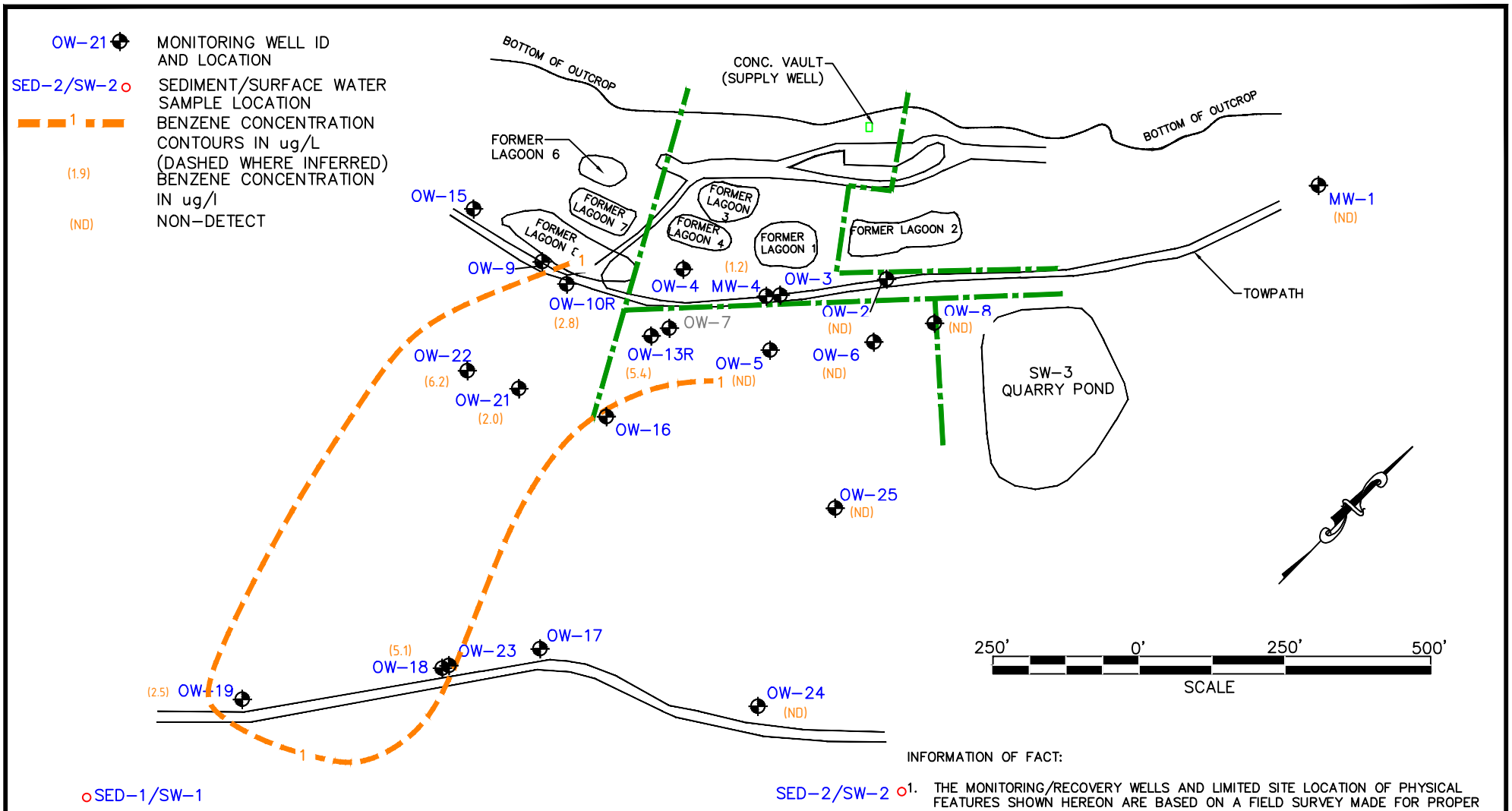
**Figure 7**
**Benzene Concentration Trends Based on Distance from Source**




**Note**: OW-10R, OW-13R, and OW-18 were not sampled in the May and November 2006 sampling rounds.

**Figure 8**
**Benzene Trends in OW-10R, OW-13R, and OW-22**
**2006 - 2013**



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CARROLL AND DUBIES SUPERFUND SITE
TOWN OF DEERPARK, ORANGE COUNTY, NEW YORK
104-0012

FIGURE 9
BENZENE CONCENTRATIONS IN GROUNDWATER
FEBRUARY 2013

CARDINAL

| CURRENT DATE | 03-18-2013 | LK | | DRAWING NO. | 104-0012-0300-09 OCTOBER 11 | SCALE | AS NOTED | REVISION |
|---|---|---|---|---|---|---|---|---|

# Appendix A
# Laboratory Reports with Marked Form Is From Data Review

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 240-20760-1

Job Description: CARROLL & DUBIES SF

For:
Monroeville, PA
1505 E Carson Street
Suite #200
Pittsburgh, PA 15203

Attention: Barbara Jones

Approved for release.
Nathan A Pietras
Project Manager II
2/21/2013 9:12 AM

Nathan A Pietras
Project Manager II
nathan.pietras@testamericainc.com
02/21/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

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## CASE NARRATIVE

## Client: Cardinal Resources

## Project: CARROLL & DUBIES SF

## Report Number: 240-20760-1

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

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

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

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

**RECEIPT**

The samples were received on 02/07/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 C.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples SED-2 (240-20760-4), SED-1 (240-20760-5) and SED-DUP (240-20760-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/08/2013.

Dichlorodifluoromethane and Vinyl chloride failed the recovery criteria high for the MS of sample SED-2MS (240-20760-4) in batch 240-74675.

For the MSD of sample SED-2MSD (240-20760-4) in batch 240-74675, Methyl acetate failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, Bromoform, Carbon tetrachloride, cis-1,3-Dichloropropene and Methyl acetate exceeded the rpd limit.

Method(s) 8260B: Internal standard (ISTD) response for the following samples were outside control limits: SED-1 (240-20760-5), SED-2 (240-20760-4), SED-2 (240-20760-4 MS), SED-2 (240-20760-4 MSD). The samples were re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 74898 exceeded control limits for the following analyte(s): Trichlorofluoromethane--has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8260B: The laboratory control sample (LCS) for batch 75030 exceeded control limits for the following analyte(s): Trichlorofluoromethane--has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples SW-2 (240-20760-1), SW-1 (240-20760-2), SW-DUP (240-20760-3), TRIP BLANK1 (240-20760-7), OW-2 (240-20760-8),

FIELD BLANK1 (240-20760-9), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/11/2013 and 02/12/2013.

Trichlorofluoromethane failed the recovery criteria high for LCS 240-74898/4. Trichlorofluoromethane failed the recovery criteria high for LCS 240-75030/4.

Trichlorofluoromethane failed the recovery criteria high for the MS of sample OW-5MS (240-20760-12) in batch 240-75030.

Trichlorofluoromethane failed the recovery criteria high for the MSD of sample OW-5MSD (240-20760-12) in batch 240-75030.

Trichlorofluoromethane failed the recovery criteria high for the MSD of sample OW-5MSD (240-20760-12) in batch 240-75030.

Samples OW-2 (240-20760-8)[10X] and OW-6 (240-20760-10)[1.25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

**DISSOLVED GASES**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 02/12/2013.

Method(s) RSK-175: The continuing calibration verification (CCV) for Ethane and Ethylene associated with batch 75041 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No difficulties were encountered during the dissolved gases analyses.

All quality control parameters were within the acceptance limits.

**ANIONS**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 02/07/2013.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

**ALKALINITY**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for alkalinity in accordance with EPA Method 310.1. The samples were analyzed on 02/13/2013.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

**CHLORIDE**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for chloride in accordance with EPA Method 325.2. The samples were analyzed on 02/20/2013.

No difficulties were encountered during the chloride analyses.

All quality control parameters were within the acceptance limits.

**SULFATE**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for sulfate in accordance with EPA method 375.4. The samples were analyzed on 02/14/2013.

Sample OW-5 (240-20760-12)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the sulfate analyses.

All quality control parameters were within the acceptance limits.

**SULFIDE**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 02/12/2013.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

**TOTAL ORGANIC CARBON**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for total organic carbon in accordance with EPA Method 415.1. The samples were analyzed on 02/14/2013 and 02/15/2013.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

**PERCENT SOLIDS**

Samples SED-2 (240-20760-4), SED-1 (240-20760-5) and SED-DUP (240-20760-6) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 02/08/2013.

Percent Solids exceeded the rpd limit for the duplicate of sample SED-2DU (240-20760-4). Refer to the QC report for details.

No other difficulties were encountered during the % solids analyses.

All other quality control parameters were within the acceptance limits.

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: SIMON Analysis Batch Number: 68462

Lab Sample ID: STD1 240-68462/3 IC Client Sample ID:

Date Analyzed: 12/13/12 06:45 Lab File ID: 3240-0015791-003.d GC Column: ID:

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| Nitrate as N | 6.95 | Baseline Event | grossmanl | 12/13/12 15:28 |
| Orthophosphate | 9.03 | Baseline Event | grossmanl | 12/13/12 15:28 |

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: SIMON Analysis Batch Number: 74666

Lab Sample ID: 240-20760-12 MS Client Sample ID: OW-5 MS

Date Analyzed: 02/07/13 21:11 Lab File ID: 16240-0017209-016.d GC Column: ID:

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| Nitrate as N | 6.19 | Baseline Event | grossmanl | 02/08/13 07:18 |

Lab Sample ID: 240-20760-12 MSD Client Sample ID: OW-5 MSD

Date Analyzed: 02/07/13 21:27 Lab File ID: 17240-0017209-017.d GC Column: ID:

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| Nitrate as N | 6.18 | Baseline Event | grossmanl | 02/08/13 07:18 |

## SAMPLE SUMMARY

Client: Cardinal Resources

Job Number: 240-20760-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 240-20760-1 | SW-2 | Water | 02/05/2013 1400 | 02/07/2013 0920 |
| 240-20760-1MS | SW-2 | Water | 02/05/2013 1400 | 02/07/2013 0920 |
| 240-20760-1MSD | SW-2 | Water | 02/05/2013 1400 | 02/07/2013 0920 |
| 240-20760-2 | SW-1 | Water | 02/05/2013 1440 | 02/07/2013 0920 |
| 240-20760-3 | SW-DUP | Water | 02/05/2013 1440 | 02/07/2013 0920 |
| 240-20760-4 | SED-2 | Solid | 02/05/2013 1415 | 02/07/2013 0920 |
| 240-20760-4MS | SED-2 | Solid | 02/05/2013 1415 | 02/07/2013 0920 |
| 240-20760-4MSD | SED-2 | Solid | 02/05/2013 1415 | 02/07/2013 0920 |
| 240-20760-4DU | SED-2 | Solid | 02/05/2013 1415 | 02/07/2013 0920 |
| 240-20760-5 | SED-1 | Solid | 02/05/2013 1505 | 02/07/2013 0920 |
| 240-20760-6 | SED-DUP | Solid | 02/05/2013 1505 | 02/07/2013 0920 |
| 240-20760-7 | TRIP BLANK1 | Water | 02/06/2013 0830 | 02/07/2013 0920 |
| 240-20760-8 | OW-2 | Water | 02/06/2013 0955 | 02/07/2013 0920 |
| 240-20760-9 | FIELD BLANK1 | Water | 02/06/2013 1020 | 02/07/2013 0920 |
| 240-20760-10 | OW-6 | Water | 02/06/2013 1135 | 02/07/2013 0920 |
| 240-20760-11 | OW-8 | Water | 02/06/2013 1335 | 02/07/2013 0920 |
| 240-20760-12 | OW-5 | Water | 02/06/2013 1455 | 02/07/2013 0920 |
| 240-20760-12MS | OW-5 | Water | 02/06/2013 1455 | 02/07/2013 0920 |
| 240-20760-12MSD | OW-5 | Water | 02/06/2013 1455 | 02/07/2013 0920 |

## EXECUTIVE SUMMARY - Detections

Client: Cardinal Resources Job Number: 240-20760-1

| Lab Sample ID / Analyte | Client Sample ID | Result | Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **240-20760-4** | **SED-2** | | | | | |
| Percent Solids | | 12 | | 0.10 | % | Moisture |
| Percent Moisture | | 88 | | 0.10 | % | Moisture |
| **240-20760-5** | **SED-1** | | | | | |
| Acetone | | 72 | | 43 | ug/Kg | 8260B |
| Percent Solids | | 45 | | 0.10 | % | Moisture |
| Percent Moisture | | 55 | | 0.10 | % | Moisture |
| **240-20760-6** | **SED-DUP** | | | | | |
| Acetone | | 56 | | 43 | ug/Kg | 8260B |
| Percent Solids | | 43 | | 0.10 | % | Moisture |
| Percent Moisture | | 57 | | 0.10 | % | Moisture |
| **240-20760-8** | **OW-2** | | | | | |
| Tetrachloroethene | | 180 | | 10 | ug/L | 8260B |
| Trichloroethene | | 26 | | 10 | ug/L | 8260B |
| cis-1,2-Dichloroethene | | 330 | | 10 | ug/L | 8260B |
| Nitrate as N | | 6.1 | | 0.10 | mg/L | 300.0 |
| Alkalinity | | 52 | | 5.0 | mg/L | 310.1 |
| Chloride | | 1.8 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 22 | | 5.0 | mg/L | 375.4 |
| **240-20760-10** | **OW-6** | | | | | |
| Tetrachloroethene | | 44 | | 1.3 | ug/L | 8260B |
| Trichloroethene | | 8.9 | | 1.3 | ug/L | 8260B |
| cis-1,2-Dichloroethene | | 19 | | 1.3 | ug/L | 8260B |
| Nitrate as N | | 0.34 | | 0.10 | mg/L | 300.0 |
| Alkalinity | | 38 | | 5.0 | mg/L | 310.1 |
| Chloride | | 1.2 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 21 | | 5.0 | mg/L | 375.4 |
| Sulfide | | 1.0 | | 1.0 | mg/L | 376.1 |
| **240-20760-11** | **OW-8** | | | | | |
| Methane | | 2.4 | | 0.50 | ug/L | RSK-175 |
| Alkalinity | | 50 | | 5.0 | mg/L | 310.1 |
| Chloride | | 1.5 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 17 | | 5.0 | mg/L | 375.4 |

## EXECUTIVE SUMMARY - Detections

Client: Cardinal Resources

Job Number: 240-20760-1

| Lab Sample ID / Analyte | Client Sample ID | Result | Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **240-20760-12** | **OW-5** | | | | | |
| Tetrachloroethene | | 1.5 | | 1.0 | ug/L | 8260B |
| cis-1,2-Dichloroethene | | 1.3 | | 1.0 | ug/L | 8260B |
| Methane | | 9.6 | | 0.50 | ug/L | RSK-175 |
| Nitrate as N | | 0.57 | | 0.10 | mg/L | 300.0 |
| Alkalinity | | 120 | | 5.0 | mg/L | 310.1 |
| Chloride | | 16 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 42 | | 25 | mg/L | 375.4 |

# METHOD SUMMARY

Client: Cardinal Resources

Job Number: 240-20760-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Solid** | | | |
| Volatile Organic Compounds (GC/MS) | TAL NC | SW846 8260B | |
| Purge and Trap | TAL NC | | SW846 5030B |
| Percent Moisture | TAL NC | EPA Moisture | |
| **Matrix: Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL NC | SW846 8260B | |
| Purge and Trap | TAL NC | | SW846 5030B |
| Dissolved Gases (GC) | TAL NC | RSK RSK-175 | |
| Anions, Ion Chromatography | TAL NC | MCAWW 300.0 | |
| Alkalinity | TAL NC | MCAWW 310.1 | |
| Chloride | TAL NC | MCAWW 325.2 | |
| Sulfate | TAL NC | MCAWW 375.4 | |
| Sulfide | TAL NC | MCAWW 376.1 | |
| TOC | TAL NC | MCAWW 415.1 | |

**Lab References:**

TAL NC = TestAmerica Canton

**Method References:**

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Cardinal Resources

Job Number: 240-20760-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B | Lata, Todd | TL |
| SW846 8260B | Williams, Larry | LW |
| RSK RSK-175 | Shock, Ray | RS |
| MCAWW 300.0 | Grossman, Lucas | LG |
| MCAWW 310.1 | Colon, Olguita | OC |
| MCAWW 325.2 | Kuhle, Julie | JK |
| MCAWW 375.4 | Burns, Jill | JB |
| MCAWW 376.1 | Burns, Jill | JB |
| MCAWW 415.1 | Harshman, Tom | TH |
| EPA Moisture | Kuhle, Julie | JK |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **SW-2**

Lab Sample ID: 240-20760-1
Client Matrix: Water

Date Sampled: 02/05/2013 1400
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6316.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 2201 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 2201 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | * | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **SW-2**

Lab Sample ID: 240-20760-1
Client Matrix: Water

Date Sampled: 02/05/2013 1400
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6316.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 2201 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 2201 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 81 | | 66 - 117 |
| Toluene-d8 (Surr) | 89 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 99 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **SW-1**

Lab Sample ID: 240-20760-2
Client Matrix: Water

Date Sampled: 02/05/2013 1440
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6324.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1618 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1618 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | * | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **SW-1**

Lab Sample ID: 240-20760-2
Client Matrix: Water

Date Sampled: 02/05/2013 1440
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6324.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1618 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1618 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 86 | | 66 - 117 |
| Toluene-d8 (Surr) | 96 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 105 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **SW-DUP**

Lab Sample ID: 240-20760-3
Client Matrix: Water

Date Sampled: 02/05/2013 1440
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6325.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1640 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1640 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | * | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **SW-DUP**

Lab Sample ID: 240-20760-3
Client Matrix: Water

Date Sampled: 02/05/2013 1440
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6325.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1640 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1640 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 |
| Toluene-d8 (Surr) | 87 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 95 | | 75 - 121 |

Client: Cardinal Resources | Job Number: 240-20760-1

**Client Sample ID:** **SED-2**

Lab Sample ID: 240-20760-4 | Date Sampled: 02/05/2013 1415
Client Matrix: Solid | % Moisture: 87.8 | Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Prep Method: | 5030B | Prep Batch: | 240-74679 | Lab File ID: | UX83306.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5.33 g |
| Analysis Date: | 02/08/2013 0455 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |

| Analyte | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL |
|---|---|---|---|---|
| Acetone | | ND | | 150 |
| Benzene | | ND | | 38 |
| Dichlorobromomethane | | ND | | 38 |
| Bromoform | | ND | | 38 |
| Bromomethane | | ND | | 38 |
| 2-Butanone (MEK) | | ND | | 150 |
| Carbon disulfide | | ND | | 38 |
| Carbon tetrachloride | | ND | | 38 |
| Chlorobenzene | | ND | | 38 |
| Chloroethane | | ND | | 38 |
| Chloroform | | ND | | 38 |
| Chloromethane | | ND | | 38 |
| 1,1-Dichloroethane | | ND | | 38 |
| 1,2-Dichloroethane | | ND | | 38 |
| 1,1-Dichloroethene | | ND | | 38 |
| 1,2-Dichloropropane | | ND | | 38 |
| cis-1,3-Dichloropropene | | ND | | 38 |
| trans-1,3-Dichloropropene | | ND | | 38 |
| Ethylbenzene | | ND | | 38 |
| 2-Hexanone | | ND | | 150 |
| Methylene Chloride | | ND | | 38 |
| 4-Methyl-2-pentanone (MIBK) | | ND | | 150 |
| Styrene | | ND | | 38 |
| 1,1,2,2-Tetrachloroethane | | ND | | 38 |
| Tetrachloroethene | | ND | | 38 |
| Toluene | | ND | | 38 |
| Trichloroethene | | ND | | 38 |
| Vinyl chloride | | ND | | 38 |
| Xylenes, Total | | ND | | 77 |
| 1,1,1-Trichloroethane | | ND | | 38 |
| 1,1,2-Trichloroethane | | ND | | 38 |
| Cyclohexane | | ND | | 77 |
| 1,2-Dibromo-3-Chloropropane | | ND | | 77 |
| Ethylene Dibromide | | ND | | 38 |
| Dichlorodifluoromethane | | ND | | 38 |
| cis-1,2-Dichloroethene | | ND | | 38 |
| trans-1,2-Dichloroethene | | ND | | 38 |
| Isopropylbenzene | | ND | | 38 |
| Methyl acetate | | ND | | 77 |
| Methyl tert-butyl ether | | ND | | 150 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | ND | | 38 |
| 1,2,4-Trichlorobenzene | | ND | | 38 |
| 1,2-Dichlorobenzene | | ND | | 38 |
| 1,3-Dichlorobenzene | | ND | | 38 |
| 1,4-Dichlorobenzene | | ND | | 38 |
| Trichlorofluoromethane | | ND | | 38 |

Client: Cardinal Resources | Job Number: 240-20760-1

**Client Sample ID:** **SED-2**

Lab Sample ID: 240-20760-4 | Date Sampled: 02/05/2013 1415
Client Matrix: Solid | % Moisture: 87.8 | Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Prep Method: | 5030B | Prep Batch: | 240-74679 | Lab File ID: | UX83306.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5.33 g |
| Analysis Date: | 02/08/2013 0455 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |

| Analyte | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL |
|---|---|---|---|---|
| Chlorodibromomethane | | ND | | 38 |
| Methylcyclohexane | | ND | | 77 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 58 - 123 |
| 4-Bromofluorobenzene (Surr) | 68 | | 52 - 136 |
| Toluene-d8 (Surr) | 116 | | 67 - 125 |
| Dibromofluoromethane (Surr) | 92 | | 37 - 132 |

Client: Cardinal Resources | Job Number: 240-20760-1

**Client Sample ID:** **SED-1**

Lab Sample ID: 240-20760-5 | Date Sampled: 02/05/2013 1505
Client Matrix: Solid | % Moisture: 54.6 | Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Prep Method: | 5030B | Prep Batch: | 240-74679 | Lab File ID: | UX83310.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5.07 g |
| Analysis Date: | 02/08/2013 0620 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |

| Analyte | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL |
|---|---|---|---|---|
| Acetone | | 72 | | 43 |
| Benzene | | ND | | 11 |
| Dichlorobromomethane | | ND | | 11 |
| Bromoform | | ND | | 11 |
| Bromomethane | | ND | | 11 |
| 2-Butanone (MEK) | | ND | | 43 |
| Carbon disulfide | | ND | | 11 |
| Carbon tetrachloride | | ND | | 11 |
| Chlorobenzene | | ND | | 11 |
| Chloroethane | | ND | | 11 |
| Chloroform | | ND | | 11 |
| Chloromethane | | ND | | 11 |
| 1,1-Dichloroethane | | ND | | 11 |
| 1,2-Dichloroethane | | ND | | 11 |
| 1,1-Dichloroethene | | ND | | 11 |
| 1,2-Dichloropropane | | ND | | 11 |
| cis-1,3-Dichloropropene | | ND | | 11 |
| trans-1,3-Dichloropropene | | ND | | 11 |
| Ethylbenzene | | ND | | 11 |
| 2-Hexanone | | ND | | 43 |
| Methylene Chloride | | ND | | 11 |
| 4-Methyl-2-pentanone (MIBK) | | ND | | 43 |
| Styrene | | ND | | 11 |
| 1,1,2,2-Tetrachloroethane | | ND | | 11 |
| Tetrachloroethene | | ND | | 11 |
| Toluene | | ND | | 11 |
| Trichloroethene | | ND | | 11 |
| Vinyl chloride | | ND | | 11 |
| Xylenes, Total | | ND | | 22 |
| 1,1,1-Trichloroethane | | ND | | 11 |
| 1,1,2-Trichloroethane | | ND | | 11 |
| Cyclohexane | | ND | | 22 |
| 1,2-Dibromo-3-Chloropropane | | ND | | 22 |
| Ethylene Dibromide | | ND | | 11 |
| Dichlorodifluoromethane | | ND | | 11 |
| cis-1,2-Dichloroethene | | ND | | 11 |
| trans-1,2-Dichloroethene | | ND | | 11 |
| Isopropylbenzene | | ND | | 11 |
| Methyl acetate | | ND | | 22 |
| Methyl tert-butyl ether | | ND | | 43 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | ND | | 11 |
| 1,2,4-Trichlorobenzene | | ND | | 11 |
| 1,2-Dichlorobenzene | | ND | | 11 |
| 1,3-Dichlorobenzene | | ND | | 11 |
| 1,4-Dichlorobenzene | | ND | | 11 |
| Trichlorofluoromethane | | ND | | 11 |

Client: Cardinal Resources | Job Number: 240-20760-1

**Client Sample ID:** **SED-1**

Lab Sample ID: 240-20760-5 | Date Sampled: 02/05/2013 1505
Client Matrix: Solid | % Moisture: 54.6 | Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Prep Method: | 5030B | Prep Batch: | 240-74679 | Lab File ID: | UX83310.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5.07 g |
| Analysis Date: | 02/08/2013 0620 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |

| Analyte | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL |
|---|---|---|---|---|
| Chlorodibromomethane | | ND | | 11 |
| Methylcyclohexane | | ND | | 22 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 87 | | 58 - 123 |
| 4-Bromofluorobenzene (Surr) | 76 | | 52 - 136 |
| Toluene-d8 (Surr) | 110 | | 67 - 125 |
| Dibromofluoromethane (Surr) | 95 | | 37 - 132 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **SED-DUP**

Lab Sample ID: 240-20760-6
Client Matrix: Solid
% Moisture: 56.9

Date Sampled: 02/05/2013 1505
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Prep Method: | 5030B | Prep Batch: | 240-74679 | Lab File ID: | UX83311.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5.43 g |
| Analysis Date: | 02/08/2013 0641 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |

| Analyte | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL |
|---|---|---|---|---|
| Acetone | | 56 | | 43 |
| Benzene | | ND | | 11 |
| Dichlorobromomethane | | ND | | 11 |
| Bromoform | | ND | | 11 |
| Bromomethane | | ND | | 11 |
| 2-Butanone (MEK) | | ND | | 43 |
| Carbon disulfide | | ND | | 11 |
| Carbon tetrachloride | | ND | | 11 |
| Chlorobenzene | | ND | | 11 |
| Chloroethane | | ND | | 11 |
| Chloroform | | ND | | 11 |
| Chloromethane | | ND | | 11 |
| 1,1-Dichloroethane | | ND | | 11 |
| 1,2-Dichloroethane | | ND | | 11 |
| 1,1-Dichloroethene | | ND | | 11 |
| 1,2-Dichloropropane | | ND | | 11 |
| cis-1,3-Dichloropropene | | ND | | 11 |
| trans-1,3-Dichloropropene | | ND | | 11 |
| Ethylbenzene | | ND | | 11 |
| 2-Hexanone | | ND | | 43 |
| Methylene Chloride | | ND | | 11 |
| 4-Methyl-2-pentanone (MIBK) | | ND | | 43 |
| Styrene | | ND | | 11 |
| 1,1,2,2-Tetrachloroethane | | ND | | 11 |
| Tetrachloroethene | | ND | | 11 |
| Toluene | | ND | | 11 |
| Trichloroethene | | ND | | 11 |
| Vinyl chloride | | ND | | 11 |
| Xylenes, Total | | ND | | 21 |
| 1,1,1-Trichloroethane | | ND | | 11 |
| 1,1,2-Trichloroethane | | ND | | 11 |
| Cyclohexane | | ND | | 21 |
| 1,2-Dibromo-3-Chloropropane | | ND | | 21 |
| Ethylene Dibromide | | ND | | 11 |
| Dichlorodifluoromethane | | ND | | 11 |
| cis-1,2-Dichloroethene | | ND | | 11 |
| trans-1,2-Dichloroethene | | ND | | 11 |
| Isopropylbenzene | | ND | | 11 |
| Methyl acetate | | ND | | 21 |
| Methyl tert-butyl ether | | ND | | 43 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | ND | | 11 |
| 1,2,4-Trichlorobenzene | | ND | | 11 |
| 1,2-Dichlorobenzene | | ND | | 11 |
| 1,3-Dichlorobenzene | | ND | | 11 |
| 1,4-Dichlorobenzene | | ND | | 11 |
| Trichlorofluoromethane | | ND | | 11 |

Client: Cardinal Resources | Job Number: 240-20760-1

**Client Sample ID:** **SED-DUP**

Lab Sample ID: 240-20760-6 | Date Sampled: 02/05/2013 1505
Client Matrix: Solid | % Moisture: 56.9 | Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Prep Method: | 5030B | Prep Batch: | 240-74679 | Lab File ID: | UX83311.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5.43 g |
| Analysis Date: | 02/08/2013 0641 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |

| Analyte | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL |
|---|---|---|---|---|
| Chlorodibromomethane | | ND | | 11 |
| Methylcyclohexane | | ND | | 21 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 58 - 123 |
| 4-Bromofluorobenzene (Surr) | 80 | | 52 - 136 |
| Toluene-d8 (Surr) | 104 | | 67 - 125 |
| Dibromofluoromethane (Surr) | 91 | | 37 - 132 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **TRIP BLANK1**

Lab Sample ID: 240-20760-7
Client Matrix: Water

Date Sampled: 02/06/2013 0830
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6298.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1518 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1518 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | * | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **TRIP BLANK1**

Lab Sample ID: 240-20760-7
Client Matrix: Water

Date Sampled: 02/06/2013 0830
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6298.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1518 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1518 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 |
| Toluene-d8 (Surr) | 90 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 98 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-2**

Lab Sample ID: 240-20760-8
Client Matrix: Water

Date Sampled: 02/06/2013 0955
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6304.D |
| Dilution: | 10 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1733 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1733 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 100 |
| Benzene | ND | | 10 |
| Dichlorobromomethane | ND | | 10 |
| Bromoform | ND | | 10 |
| Bromomethane | ND | | 10 |
| 2-Butanone (MEK) | ND | | 100 |
| Carbon disulfide | ND | | 10 |
| Carbon tetrachloride | ND | | 10 |
| Chlorobenzene | ND | | 10 |
| Chloroethane | ND | | 10 |
| Chloroform | ND | | 10 |
| Chloromethane | ND | | 10 |
| 1,1-Dichloroethane | ND | | 10 |
| 1,2-Dichloroethane | ND | | 10 |
| 1,1-Dichloroethene | ND | | 10 |
| 1,2-Dichloropropane | ND | | 10 |
| cis-1,3-Dichloropropene | ND | | 10 |
| trans-1,3-Dichloropropene | ND | | 10 |
| Ethylbenzene | ND | | 10 |
| 2-Hexanone | ND | | 100 |
| Methylene Chloride | ND | | 10 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 100 |
| Styrene | ND | | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | 10 |
| Tetrachloroethene | 180 | | 10 |
| Toluene | ND | | 10 |
| Trichloroethene | 26 | | 10 |
| Vinyl chloride | ND | | 10 |
| Xylenes, Total | ND | | 20 |
| 1,1,1-Trichloroethane | ND | | 10 |
| 1,1,2-Trichloroethane | ND | | 10 |
| Cyclohexane | ND | | 10 |
| 1,2-Dibromo-3-Chloropropane | ND | | 20 |
| Ethylene Dibromide | ND | | 10 |
| Dichlorodifluoromethane | ND | | 10 |
| cis-1,2-Dichloroethene | 330 | | 10 |
| trans-1,2-Dichloroethene | ND | | 10 |
| Isopropylbenzene | ND | | 10 |
| Methyl acetate | ND | | 100 |
| Methyl tert-butyl ether | ND | | 50 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 10 |
| 1,2,4-Trichlorobenzene | ND | | 10 |
| 1,2-Dichlorobenzene | ND | | 10 |
| 1,3-Dichlorobenzene | ND | | 10 |
| 1,4-Dichlorobenzene | ND | | 10 |
| Trichlorofluoromethane | ND | * | 10 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-2**

Lab Sample ID: 240-20760-8
Client Matrix: Water

Date Sampled: 02/06/2013 0955
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6304.D |
| Dilution: | 10 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1733 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1733 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 10 |
| Methylcyclohexane | ND | | 10 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 78 | | 66 - 117 |
| Toluene-d8 (Surr) | 87 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 96 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **FIELD BLANK1**

Lab Sample ID: 240-20760-9
Client Matrix: Water

Date Sampled: 02/06/2013 1020
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6305.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1756 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1756 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | * | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **FIELD BLANK1**

Lab Sample ID: 240-20760-9
Client Matrix: Water

Date Sampled: 02/06/2013 1020
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6305.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1756 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1756 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 79 | | 66 - 117 |
| Toluene-d8 (Surr) | 88 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 95 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-6**

Lab Sample ID: 240-20760-10
Client Matrix: Water

Date Sampled: 02/06/2013 1135
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6306.D |
| Dilution: | 1.25 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1818 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1818 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 13 |
| Benzene | ND | | 1.3 |
| Dichlorobromomethane | ND | | 1.3 |
| Bromoform | ND | | 1.3 |
| Bromomethane | ND | | 1.3 |
| 2-Butanone (MEK) | ND | | 13 |
| Carbon disulfide | ND | | 1.3 |
| Carbon tetrachloride | ND | | 1.3 |
| Chlorobenzene | ND | | 1.3 |
| Chloroethane | ND | | 1.3 |
| Chloroform | ND | | 1.3 |
| Chloromethane | ND | | 1.3 |
| 1,1-Dichloroethane | ND | | 1.3 |
| 1,2-Dichloroethane | ND | | 1.3 |
| 1,1-Dichloroethene | ND | | 1.3 |
| 1,2-Dichloropropane | ND | | 1.3 |
| cis-1,3-Dichloropropene | ND | | 1.3 |
| trans-1,3-Dichloropropene | ND | | 1.3 |
| Ethylbenzene | ND | | 1.3 |
| 2-Hexanone | ND | | 13 |
| Methylene Chloride | ND | | 1.3 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 13 |
| Styrene | ND | | 1.3 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.3 |
| Tetrachloroethene | 44 | | 1.3 |
| Toluene | ND | | 1.3 |
| Trichloroethene | 8.9 | | 1.3 |
| Vinyl chloride | ND | | 1.3 |
| Xylenes, Total | ND | | 2.5 |
| 1,1,1-Trichloroethane | ND | | 1.3 |
| 1,1,2-Trichloroethane | ND | | 1.3 |
| Cyclohexane | ND | | 1.3 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.5 |
| Ethylene Dibromide | ND | | 1.3 |
| Dichlorodifluoromethane | ND | | 1.3 |
| cis-1,2-Dichloroethene | 19 | | 1.3 |
| trans-1,2-Dichloroethene | ND | | 1.3 |
| Isopropylbenzene | ND | | 1.3 |
| Methyl acetate | ND | | 13 |
| Methyl tert-butyl ether | ND | | 6.3 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.3 |
| 1,2,4-Trichlorobenzene | ND | | 1.3 |
| 1,2-Dichlorobenzene | ND | | 1.3 |
| 1,3-Dichlorobenzene | ND | | 1.3 |
| 1,4-Dichlorobenzene | ND | | 1.3 |
| Trichlorofluoromethane | ND | * | 1.3 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-6**

Lab Sample ID: 240-20760-10
Client Matrix: Water

Date Sampled: 02/06/2013 1135
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6306.D |
| Dilution: | 1.25 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1818 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1818 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.3 |
| Methylcyclohexane | ND | | 1.3 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 83 | | 66 - 117 |
| Toluene-d8 (Surr) | 92 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 102 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-8**

Lab Sample ID: 240-20760-11
Client Matrix: Water

Date Sampled: 02/06/2013 1335
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6326.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1703 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1703 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | * | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-8**

Lab Sample ID: 240-20760-11
Client Matrix: Water

Date Sampled: 02/06/2013 1335
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6326.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1703 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1703 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 83 | | 66 - 117 |
| Toluene-d8 (Surr) | 94 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 98 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-5**

Lab Sample ID: 240-20760-12
Client Matrix: Water

Date Sampled: 02/06/2013 1455
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6337.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 2108 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 2108 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | 1.5 | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | 1.3 | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | * | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-5**

Lab Sample ID: 240-20760-12
Client Matrix: Water

Date Sampled: 02/06/2013 1455
Date Received: 02/07/2013 0920

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXR6337.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 2108 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 2108 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 78 | | 66 - 117 |
| Toluene-d8 (Surr) | 86 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 97 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-2**

Lab Sample ID: 240-20760-8
Client Matrix: Water

Date Sampled: 02/06/2013 0955
Date Received: 02/07/2013 0920

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1746 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 106 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-6**

Lab Sample ID: 240-20760-10
Client Matrix: Water

Date Sampled: 02/06/2013 1135
Date Received: 02/07/2013 0920

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1759 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 107 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-8**

Lab Sample ID: 240-20760-11
Client Matrix: Water

Date Sampled: 02/06/2013 1335
Date Received: 02/07/2013 0920

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1811 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 2.4 | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 106 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Client Sample ID:** **OW-5**

Lab Sample ID: 240-20760-12
Client Matrix: Water

Date Sampled: 02/06/2013 1455
Date Received: 02/07/2013 0920

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1658 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 9.6 | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 114 | | 40 - 122 |

**General Chemistry**

**Client Sample ID:** **SED-2**

Lab Sample ID: 240-20760-4 Date Sampled: 02/05/2013 1415
Client Matrix: Solid Date Received: 02/07/2013 0920

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Percent Solids | 12 | | % | 0.10 | 1.0 | Moisture |
| Analysis Batch: 240-74776 | Analysis Date: 02/08/2013 1339 | | | | | DryWt Corrected: N |
| Percent Moisture | 88 | | % | 0.10 | 1.0 | Moisture |
| Analysis Batch: 240-74776 | Analysis Date: 02/08/2013 1339 | | | | | DryWt Corrected: N |

**General Chemistry**

**Client Sample ID:** **SED-1**

Lab Sample ID: 240-20760-5 Date Sampled: 02/05/2013 1505
Client Matrix: Solid Date Received: 02/07/2013 0920

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Percent Solids | 45 | | % | 0.10 | 1.0 | Moisture |
| Analysis Batch: 240-74776 | Analysis Date: 02/08/2013 1339 | | | | | DryWt Corrected: N |
| Percent Moisture | 55 | | % | 0.10 | 1.0 | Moisture |
| Analysis Batch: 240-74776 | Analysis Date: 02/08/2013 1339 | | | | | DryWt Corrected: N |

**General Chemistry**

**Client Sample ID:** **SED-DUP**

Lab Sample ID: 240-20760-6 Date Sampled: 02/05/2013 1505
Client Matrix: Solid Date Received: 02/07/2013 0920

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Percent Solids | 43 | | % | 0.10 | 1.0 | Moisture |
| Analysis Batch: 240-74776 | Analysis Date: 02/08/2013 1339 | | | | | DryWt Corrected: N |
| Percent Moisture | 57 | | % | 0.10 | 1.0 | Moisture |
| Analysis Batch: 240-74776 | Analysis Date: 02/08/2013 1339 | | | | | DryWt Corrected: N |

**General Chemistry**

**Client Sample ID:** **OW-2**

Lab Sample ID: 240-20760-8 Date Sampled: 02/06/2013 0955
Client Matrix: Water Date Received: 02/07/2013 0920

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | 6.1 | | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74666 | Analysis Date: 02/07/2013 1932 | | | | | |
| Alkalinity | 52 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75366 | Analysis Date: 02/13/2013 2224 | | | | | |
| Chloride | 1.8 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | 22 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1012 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75110 | Analysis Date: 02/12/2013 1646 | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75428 | Analysis Date: 02/14/2013 1844 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-6**

Lab Sample ID: 240-20760-10 Date Sampled: 02/06/2013 1135
Client Matrix: Water Date Received: 02/07/2013 0920

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | 0.34 | | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74666 | Analysis Date: 02/07/2013 1859 | | | | | |
| Alkalinity | 38 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75366 | Analysis Date: 02/13/2013 2230 | | | | | |
| Chloride | 1.2 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | 21 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1013 | | | | | |
| Sulfide | 1.0 | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75110 | Analysis Date: 02/12/2013 1650 | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75428 | Analysis Date: 02/14/2013 1855 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-8**

Lab Sample ID: 240-20760-11 Date Sampled: 02/06/2013 1335
Client Matrix: Water Date Received: 02/07/2013 0920

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74666 | Analysis Date: 02/07/2013 1916 | | | | | |
| Alkalinity | 50 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75366 | Analysis Date: 02/13/2013 2237 | | | | | |
| Chloride | 1.5 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | 17 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1013 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75110 | Analysis Date: 02/12/2013 1653 | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 0909 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-5**

Lab Sample ID: 240-20760-12 Date Sampled: 02/06/2013 1455
Client Matrix: Water Date Received: 02/07/2013 0920

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | 0.57 | | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74666 | Analysis Date: 02/07/2013 2054 | | | | | |
| Alkalinity | 120 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75366 | Analysis Date: 02/13/2013 2253 | | | | | |
| Chloride | 16 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | 42 | | mg/L | 25 | 5.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1040 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75110 | Analysis Date: 02/12/2013 1657 | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75428 | Analysis Date: 02/14/2013 1706 | | | | | |

TestAmerica Laboratories
Initial Calibration Report

Method: \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m
Instrument: SIMON Lims Location: 240
Lock State: Unlocked Cpnd Order: Retention Time
Integrator: Falcon Last Modified: 13-Dec-2012 16:45:03
No.Compounds:7

## Initial Calibration Batches

Ical Batch: \\Ncchrom\ChromData\SIMON\20121213-15791.b
Inj Date : 13-Dec-2012 06:45:00, Sublist: chrom-300_Simon*sub1

Limit Group: WET IC SH ICAL

Detector 1: IC 0001

| Compound | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 | Level 9 | b | M1 | M2 | %RSD/R^2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 Nitrite as N | 11555940 | 14914852 | 15579954 | 15498024 | 16306465 | 16406021 | 16806797 | 17265645 | 17875830 | | 15801059 | | Avg 12 |
| 5 Nitrate as N | 14171580 | 15622316 | 16187708 | 17478419 | 18902194 | 19587271 | 19690239 | 20454417 | 21506899 | | 18177894 | | Avg 13 |
| 6 Orthophosphate | 11258720 | 6913776 | 6895844 | 7507929 | 7942666 | 7867375 | 7909636 | 8005727 | 8190060 | | 8054637 | | Avg 16 |

Client: Cardinal Resources

Job Number: 240-20760-1

## Surrogate Recovery Report

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Solid**

| Lab Sample ID | Client Sample ID | DBFM %Rec | DCA %Rec | TOL %Rec | BFB %Rec |
|---|---|---|---|---|---|
| 240-20760-4 | SED-2 | 92 | 83 | 116 | 68 |
| 240-20760-5 | SED-1 | 95 | 87 | 110 | 76 |
| 240-20760-6 | SED-DUP | 91 | 88 | 104 | 80 |
| MB 240-74675/7 | | 94 | 90 | 99 | 95 |
| LCS 240-74675/6 | | 96 | 92 | 100 | 97 |
| 240-20760-4 MS | SED-2 MS | 92 | 79 | 117 | 68 |
| 240-20760-4 MSD | SED-2 MSD | 94 | 82 | 119 | 70 |

| Surrogate | Acceptance Limits |
|---|---|
| DBFM = Dibromofluoromethane (Surr) | 37-132 |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 58-123 |
| TOL = Toluene-d8 (Surr) | 67-125 |
| BFB = 4-Bromofluorobenzene (Surr) | 52-136 |

Client: Cardinal Resources

Job Number: 240-20760-1

## Surrogate Recovery Report

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | DBFM %Rec | DCA %Rec | TOL %Rec | BFB %Rec |
|---|---|---|---|---|---|
| 240-20760-1 | SW-2 | 99 | 101 | 89 | 81 |
| 240-20760-2 | SW-1 | 105 | 108 | 96 | 86 |
| 240-20760-3 | SW-DUP | 95 | 100 | 87 | 80 |
| 240-20760-7 | TRIP BLANK1 | 98 | 98 | 90 | 80 |
| 240-20760-8 | OW-2 | 96 | 96 | 87 | 78 |
| 240-20760-9 | FIELD BLANK1 | 95 | 98 | 88 | 79 |
| 240-20760-10 | OW-6 | 102 | 104 | 92 | 83 |
| 240-20760-11 | OW-8 | 98 | 104 | 94 | 83 |
| 240-20760-12 | OW-5 | 97 | 99 | 86 | 78 |
| MB 240-74898/5 | | 94 | 94 | 87 | 79 |
| MB 240-75030/5 | | 93 | 98 | 89 | 82 |
| LCS 240-74898/4 | | 94 | 92 | 94 | 95 |
| LCS 240-75030/4 | | 94 | 94 | 97 | 98 |
| 240-20760-1 MS | SW-2 MS | 92 | 90 | 94 | 95 |
| 240-20760-12 MS | OW-5 MS | 93 | 92 | 95 | 96 |
| 240-20760-1 MSD | SW-2 MSD | 93 | 92 | 92 | 93 |
| 240-20760-12 MSD | OW-5 MSD | 95 | 91 | 93 | 97 |

| Surrogate | Acceptance Limits |
|---|---|
| DBFM = Dibromofluoromethane (Surr) | 75-121 |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 63-129 |
| TOL = Toluene-d8 (Surr) | 74-115 |
| BFB = 4-Bromofluorobenzene (Surr) | 66-117 |

Client: Cardinal Resources

Job Number: 240-20760-1

## Surrogate Recovery Report

**RSK-175 Dissolved Gases (GC)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | TFE1 %Rec |
|---|---|---|
| 240-20760-8 | OW-2 | 106 |
| 240-20760-10 | OW-6 | 107 |
| 240-20760-11 | OW-8 | 106 |
| 240-20760-12 | OW-5 | 114 |
| MB 240-75041/3 | | 113 |
| LCS 240-75041/4 | | 110 |
| 240-20760-12 MS | OW-5 MS | 106 |
| 240-20760-12 MSD | OW-5 MSD | 108 |

| Surrogate | Acceptance Limits |
|---|---|
| TFE = 1,1,1-Trifluoroethane | 40-122 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-74675**

**Method: 8260B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-74675/7 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | N/A | Lab File ID: | UX83294.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 g |
| Analysis Date: | 02/08/2013 0039 | Units: | ug/Kg | Final Weight/Volume: | 5 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Acetone | ND | | 20 |
| Benzene | ND | | 5.0 |
| Dichlorobromomethane | ND | | 5.0 |
| Bromoform | ND | | 5.0 |
| Bromomethane | ND | | 5.0 |
| 2-Butanone (MEK) | ND | | 20 |
| Carbon disulfide | ND | | 5.0 |
| Carbon tetrachloride | ND | | 5.0 |
| Chlorobenzene | ND | | 5.0 |
| Chloroethane | ND | | 5.0 |
| Chloroform | ND | | 5.0 |
| Chloromethane | ND | | 5.0 |
| 1,1-Dichloroethane | ND | | 5.0 |
| 1,2-Dichloroethane | ND | | 5.0 |
| 1,1-Dichloroethene | ND | | 5.0 |
| 1,2-Dichloropropane | ND | | 5.0 |
| cis-1,3-Dichloropropene | ND | | 5.0 |
| trans-1,3-Dichloropropene | ND | | 5.0 |
| Ethylbenzene | ND | | 5.0 |
| 2-Hexanone | ND | | 20 |
| Methylene Chloride | ND | | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 |
| Styrene | ND | | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 |
| Tetrachloroethene | ND | | 5.0 |
| Toluene | ND | | 5.0 |
| Trichloroethene | ND | | 5.0 |
| Vinyl chloride | ND | | 5.0 |
| Xylenes, Total | ND | | 10 |
| 1,1,1-Trichloroethane | ND | | 5.0 |
| 1,1,2-Trichloroethane | ND | | 5.0 |
| Cyclohexane | ND | | 10 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10 |
| Ethylene Dibromide | ND | | 5.0 |
| Dichlorodifluoromethane | ND | | 5.0 |
| cis-1,2-Dichloroethene | ND | | 5.0 |
| trans-1,2-Dichloroethene | ND | | 5.0 |
| Isopropylbenzene | ND | | 5.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 20 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 |
| 1,2-Dichlorobenzene | ND | | 5.0 |
| 1,3-Dichlorobenzene | ND | | 5.0 |
| 1,4-Dichlorobenzene | ND | | 5.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-74675**

**Method: 8260B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-74675/7 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | N/A | Lab File ID: | UX83294.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 g |
| Analysis Date: | 02/08/2013 0039 | Units: | ug/Kg | Final Weight/Volume: | 5 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Trichlorofluoromethane | ND | | 5.0 |
| Chlorodibromomethane | ND | | 5.0 |
| Methylcyclohexane | ND | | 10 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 90 | 58 - 123 |
| 4-Bromofluorobenzene (Surr) | 95 | 52 - 136 |
| Toluene-d8 (Surr) | 99 | 67 - 125 |
| Dibromofluoromethane (Surr) | 94 | 37 - 132 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Lab Control Sample - Batch: 240-74675**

**Method: 8260B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-74675/6 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | N/A | Lab File ID: | UX83293.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 g |
| Analysis Date: | 02/08/2013 0018 | Units: | ug/Kg | Final Weight/Volume: | 5 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Acetone | 50.0 | 48.5 | 97 | 41 - 137 | |
| Benzene | 25.0 | 25.3 | 101 | 79 - 112 | |
| Dichlorobromomethane | 25.0 | 26.7 | 107 | 84 - 122 | |
| Bromoform | 25.0 | 24.9 | 100 | 62 - 133 | |
| Bromomethane | 25.0 | 25.2 | 101 | 42 - 136 | |
| 2-Butanone (MEK) | 50.0 | 50.0 | 100 | 52 - 131 | |
| Carbon disulfide | 25.0 | 26.9 | 108 | 62 - 146 | |
| Carbon tetrachloride | 25.0 | 26.3 | 105 | 71 - 129 | |
| Chlorobenzene | 25.0 | 24.7 | 99 | 78 - 110 | |
| Chloroethane | 25.0 | 24.9 | 100 | 58 - 117 | |
| Chloroform | 25.0 | 25.2 | 101 | 77 - 114 | |
| Chloromethane | 25.0 | 26.8 | 107 | 50 - 110 | |
| 1,1-Dichloroethane | 25.0 | 25.6 | 102 | 76 - 115 | |
| 1,2-Dichloroethane | 25.0 | 25.2 | 101 | 72 - 120 | |
| 1,1-Dichloroethene | 25.0 | 27.4 | 110 | 75 - 135 | |
| 1,2-Dichloropropane | 25.0 | 25.6 | 102 | 87 - 113 | |
| cis-1,3-Dichloropropene | 25.0 | 25.3 | 101 | 74 - 128 | |
| trans-1,3-Dichloropropene | 25.0 | 24.8 | 99 | 73 - 131 | |
| Ethylbenzene | 25.0 | 24.7 | 99 | 79 - 117 | |
| 2-Hexanone | 50.0 | 50.1 | 100 | 64 - 136 | |
| Methylene Chloride | 25.0 | 24.6 | 98 | 75 - 118 | |
| 4-Methyl-2-pentanone (MIBK) | 50.0 | 52.2 | 104 | 67 - 135 | |
| Styrene | 25.0 | 26.6 | 107 | 87 - 117 | |
| 1,1,2,2-Tetrachloroethane | 25.0 | 25.0 | 100 | 77 - 123 | |
| Tetrachloroethene | 25.0 | 26.3 | 105 | 79 - 114 | |
| Toluene | 25.0 | 24.9 | 100 | 75 - 111 | |
| Trichloroethene | 25.0 | 25.4 | 102 | 79 - 113 | |
| Vinyl chloride | 25.0 | 25.5 | 102 | 57 - 114 | |
| Xylenes, Total | 75.0 | 77.7 | 104 | 80 - 118 | |
| 1,1,1-Trichloroethane | 25.0 | 26.1 | 104 | 77 - 126 | |
| 1,1,2-Trichloroethane | 25.0 | 25.8 | 103 | 83 - 112 | |
| Cyclohexane | 25.0 | 24.1 | 96 | 66 - 110 | |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 23.3 | 93 | 61 - 132 | |
| Ethylene Dibromide | 25.0 | 26.0 | 104 | 83 - 117 | |
| Dichlorodifluoromethane | 25.0 | 26.1 | 104 | 26 - 113 | |
| cis-1,2-Dichloroethene | 25.0 | 25.3 | 101 | 76 - 113 | |
| trans-1,2-Dichloroethene | 25.0 | 25.9 | 104 | 78 - 117 | |
| Isopropylbenzene | 25.0 | 25.6 | 102 | 76 - 122 | |
| Methyl acetate | 25.0 | 25.3 | 101 | 57 - 130 | |
| Methyl tert-butyl ether | 25.0 | 25.4 | 102 | 49 - 165 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 26.7 | 107 | 82 - 138 | |
| 1,2,4-Trichlorobenzene | 25.0 | 20.9 | 84 | 64 - 124 | |
| 1,2-Dichlorobenzene | 25.0 | 23.5 | 94 | 76 - 110 | |
| 1,3-Dichlorobenzene | 25.0 | 24.3 | 97 | 78 - 111 | |
| 1,4-Dichlorobenzene | 25.0 | 23.7 | 95 | 75 - 110 | |
| Trichlorofluoromethane | 25.0 | 29.5 | 118 | 57 - 146 | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Lab Control Sample - Batch: 240-74675**

**Method: 8260B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-74675/6 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | N/A | Lab File ID: | UX83293.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 g |
| Analysis Date: | 02/08/2013 0018 | Units: | ug/Kg | Final Weight/Volume: | 5 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Chlorodibromomethane | 25.0 | 26.2 | 105 | 72 - 127 | |
| Methylcyclohexane | 25.0 | 25.9 | 104 | 70 - 126 | |
| m-Xylene & p-Xylene | 50.0 | 51.3 | 103 | 80 - 117 | |
| o-Xylene | 25.0 | 26.4 | 105 | 80 - 120 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | 58 - 123 |
| 4-Bromofluorobenzene (Surr) | 97 | 52 - 136 |
| Toluene-d8 (Surr) | 100 | 67 - 125 |
| Dibromofluoromethane (Surr) | 96 | 37 - 132 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74679**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-4 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | 240-74679 | Lab File ID: | UX83308.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5.46 g |
| Analysis Date: | 02/08/2013 0537 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-4 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | 240-74679 | Lab File ID: | UX83309.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5.16 g |
| Analysis Date: | 02/08/2013 0559 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Acetone | 54 | 58 | 24 - 140 | 8 | 30 | | |
| Benzene | 108 | 107 | 53 - 118 | 5 | 30 | | |
| Dichlorobromomethane | 78 | 59 | 35 - 132 | 22 | 30 | | |
| Bromoform | 52 | 34 | 18 - 129 | 37 | 30 | | F |
| Bromomethane | 85 | 71 | 33 - 130 | 12 | 30 | | |
| 2-Butanone (MEK) | 62 | 60 | 30 - 143 | 2 | 30 | | |
| Carbon disulfide | 94 | 81 | 20 - 151 | 9 | 30 | | |
| Carbon tetrachloride | 82 | 55 | 32 - 137 | 34 | 30 | | F |
| Chlorobenzene | 103 | 95 | 37 - 116 | 3 | 30 | | |
| Chloroethane | 116 | 131 | 45 - 118 | 18 | 30 | | F |
| Chloroform | 114 | 118 | 53 - 119 | 10 | 30 | | |
| Chloromethane | 112 | 122 | 34 - 117 | 14 | 30 | | F |
| 1,1-Dichloroethane | 111 | 113 | 54 - 122 | 7 | 30 | | |
| 1,2-Dichloroethane | 93 | 91 | 49 - 123 | 3 | 30 | | |
| 1,1-Dichloroethene | 122 | 126 | 49 - 157 | 10 | 30 | | |
| 1,2-Dichloropropane | 102 | 100 | 61 - 117 | 4 | 30 | | |
| cis-1,3-Dichloropropene | 61 | 40 | 27 - 133 | 35 | 30 | | F |
| trans-1,3-Dichloropropene | 77 | 54 | 28 - 137 | 29 | 30 | | |
| Ethylbenzene | 112 | 106 | 30 - 131 | 0 | 30 | | |
| 2-Hexanone | 68 | 56 | 37 - 147 | 14 | 30 | | |
| Methylene Chloride | 109 | 113 | 54 - 115 | 9 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | 65 | 61 | 43 - 147 | 1 | 30 | | |
| Styrene | 63 | 52 | 27 - 127 | 12 | 30 | | |
| 1,1,2,2-Tetrachloroethane | 135 | 122 | 16 - 179 | 4 | 30 | | |
| Tetrachloroethene | 123 | 112 | 31 - 135 | 4 | 30 | | |
| Toluene | 129 | 124 | 39 - 129 | 2 | 30 | | |
| Trichloroethene | 103 | 100 | 10 - 177 | 3 | 30 | | |
| Vinyl chloride | 121 | 134 | 42 - 117 | 16 | 30 | F | F |
| Xylenes, Total | 114 | 103 | 30 - 131 | 4 | 30 | | |
| 1,1,1-Trichloroethane | 120 | 121 | 51 - 128 | 7 | 30 | | |
| 1,1,2-Trichloroethane | 109 | 106 | 10 - 166 | 3 | 30 | | |
| Cyclohexane | 100 | 95 | 28 - 118 | 1 | 30 | | |
| 1,2-Dibromo-3-Chloropropane | 77 | 58 | 10 - 153 | 22 | 30 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74679**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-4 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | 240-74679 | Lab File ID: | UX83308.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5.46 g |
| Analysis Date: | 02/08/2013 0537 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-4 | Analysis Batch: | 240-74675 | Instrument ID: | A3UX8 |
| Client Matrix: | Solid | Prep Batch: | 240-74679 | Lab File ID: | UX83309.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5.16 g |
| Analysis Date: | 02/08/2013 0559 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/08/2013 0056 | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Ethylene Dibromide | 94 | 85 | 45 - 127 | 4 | 30 | | |
| Dichlorodifluoromethane | 130 | 139 | 17 - 115 | 13 | 30 | F | F |
| cis-1,2-Dichloroethene | 106 | 106 | 50 - 119 | 5 | 30 | | |
| trans-1,2-Dichloroethene | 111 | 109 | 50 - 123 | 4 | 30 | | |
| Isopropylbenzene | 103 | 88 | 21 - 134 | 10 | 30 | | |
| Methyl acetate | 52 | 25 | 33 - 165 | 67 | 30 | | F |
| Methyl tert-butyl ether | 90 | 89 | 51 - 157 | 4 | 30 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 120 | 130 | 50 - 147 | 14 | 30 | | |
| 1,2,4-Trichlorobenzene | 34 | 25 | 10 - 111 | 26 | 30 | | |
| 1,2-Dichlorobenzene | 90 | 76 | 17 - 122 | 12 | 30 | | |
| 1,3-Dichlorobenzene | 108 | 86 | 16 - 126 | 17 | 30 | | |
| 1,4-Dichlorobenzene | 100 | 83 | 15 - 121 | 13 | 30 | | |
| Trichlorofluoromethane | 136 | 145 | 36 - 142 | 12 | 30 | | F |
| Methylcyclohexane | 76 | 65 | 20 - 132 | 11 | 30 | | |
| m-Xylene & p-Xylene | 115 | 104 | 29 - 131 | 5 | 30 | | |
| o-Xylene | 111 | 101 | 29 - 134 | 3 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 79 | 82 | 58 - 123 |
| 4-Bromofluorobenzene (Surr) | 68 | 70 | 52 - 136 |
| Toluene-d8 (Surr) | 117 | 119 | 67 - 125 |
| Dibromofluoromethane (Surr) | 92 | 94 | 37 - 132 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74679**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-4 | Units: ug/Kg | MSD Lab Sample ID: | 240-20760-4 | |
| Client Matrix: | Solid | | Client Matrix: | Solid | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/08/2013 0537 | | Analysis Date: | 02/08/2013 0559 | |
| Prep Date: | 02/08/2013 0056 | | Prep Date: | 02/08/2013 0056 | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | | MSD Result/Qual | |
|---|---|---|---|---|---|---|---|
| Acetone | ND | 375 | 396 | 309 | | 336 | |
| Benzene | ND | 187 | 198 | 203 | | 213 | |
| Dichlorobromomethane | ND | 187 | 198 | 146 | | 117 | |
| Bromoform | ND | 187 | 198 | 97.3 | | 66.9 | F |
| Bromomethane | ND | 187 | 198 | 160 | | 141 | |
| 2-Butanone (MEK) | ND | 375 | 396 | 262 | | 267 | |
| Carbon disulfide | ND | 187 | 198 | 176 | | 160 | |
| Carbon tetrachloride | ND | 187 | 198 | 154 | | 109 | F |
| Chlorobenzene | ND | 187 | 198 | 194 | | 188 | |
| Chloroethane | ND | 187 | 198 | 218 | | 260 | F |
| Chloroform | ND | 187 | 198 | 213 | | 235 | |
| Chloromethane | ND | 187 | 198 | 209 | | 241 | F |
| 1,1-Dichloroethane | ND | 187 | 198 | 209 | | 224 | |
| 1,2-Dichloroethane | ND | 187 | 198 | 175 | | 181 | |
| 1,1-Dichloroethene | ND | 187 | 198 | 228 | | 250 | |
| 1,2-Dichloropropane | ND | 187 | 198 | 191 | | 199 | |
| cis-1,3-Dichloropropene | ND | 187 | 198 | 114 | | 80.2 | F |
| trans-1,3-Dichloropropene | ND | 187 | 198 | 144 | | 107 | |
| Ethylbenzene | ND | 187 | 198 | 210 | | 209 | |
| 2-Hexanone | ND | 375 | 396 | 256 | | 222 | |
| Methylene Chloride | ND | 187 | 198 | 205 | | 223 | |
| 4-Methyl-2-pentanone (MIBK) | ND | 375 | 396 | 245 | | 242 | |
| Styrene | ND | 187 | 198 | 117 | | 104 | |
| 1,1,2,2-Tetrachloroethane | ND | 187 | 198 | 252 | | 242 | |
| Tetrachloroethene | ND | 187 | 198 | 230 | | 222 | |
| Toluene | ND | 187 | 198 | 244 | | 248 | |
| Trichloroethene | ND | 187 | 198 | 193 | | 199 | |
| Vinyl chloride | ND | 187 | 198 | 226 | F | 266 | F |
| Xylenes, Total | ND | 562 | 595 | 638 | | 611 | |
| 1,1,1-Trichloroethane | ND | 187 | 198 | 225 | | 240 | |
| 1,1,2-Trichloroethane | ND | 187 | 198 | 203 | | 210 | |
| Cyclohexane | ND | 187 | 198 | 187 | | 188 | |
| 1,2-Dibromo-3-Chloropropane | ND | 187 | 198 | 144 | | 115 | |
| Ethylene Dibromide | ND | 187 | 198 | 176 | | 169 | |
| Dichlorodifluoromethane | ND | 187 | 198 | 243 | F | 276 | F |
| cis-1,2-Dichloroethene | ND | 187 | 198 | 199 | | 209 | |
| trans-1,2-Dichloroethene | ND | 187 | 198 | 208 | | 217 | |
| Isopropylbenzene | ND | 187 | 198 | 192 | | 174 | |
| Methyl acetate | ND | 187 | 198 | 98.3 | | ND | F |
| Methyl tert-butyl ether | ND | 187 | 198 | 169 | | 177 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 187 | 198 | 225 | | 257 | |
| 1,2,4-Trichlorobenzene | ND | 187 | 198 | 64.1 | | 49.6 | |
| 1,2-Dichlorobenzene | ND | 187 | 198 | 168 | | 150 | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74679**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-4 | Units: ug/Kg | MSD Lab Sample ID: | 240-20760-4 | |
| Client Matrix: | Solid | | Client Matrix: | Solid | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/08/2013 0537 | | Analysis Date: | 02/08/2013 0559 | |
| Prep Date: | 02/08/2013 0056 | | Prep Date: | 02/08/2013 0056 | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual | |
|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ND | 187 | 198 | 202 | 170 | |
| 1,4-Dichlorobenzene | ND | 187 | 198 | 187 | 165 | |
| Trichlorofluoromethane | ND | 187 | 198 | 255 | 287 | F |
| Methylcyclohexane | ND | 187 | 198 | 143 | 128 | |
| m-Xylene & p-Xylene | ND | 375 | 396 | 430 | 410 | |
| o-Xylene | ND | 187 | 198 | 208 | 201 | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-74898/5 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6296.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1427 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1427 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-74898/5 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6296.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1427 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1427 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Trichlorofluoromethane | ND | | 1.0 |
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 94 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 79 | 66 - 117 |
| Toluene-d8 (Surr) | 87 | 74 - 115 |
| Dibromofluoromethane (Surr) | 94 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Lab Control Sample - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-74898/4 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6295.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1405 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1405 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Acetone | 20.0 | 18.3 | 92 | 43 - 136 | |
| Benzene | 10.0 | 9.71 | 97 | 83 - 112 | |
| Dichlorobromomethane | 10.0 | 9.78 | 98 | 72 - 121 | |
| Bromoform | 10.0 | 9.82 | 98 | 40 - 131 | |
| Bromomethane | 10.0 | 10.5 | 105 | 11 - 185 | |
| 2-Butanone (MEK) | 20.0 | 17.9 | 89 | 60 - 126 | |
| Carbon disulfide | 10.0 | 9.65 | 97 | 62 - 142 | |
| Carbon tetrachloride | 10.0 | 9.92 | 99 | 66 - 128 | |
| Chlorobenzene | 10.0 | 9.21 | 92 | 85 - 110 | |
| Chloroethane | 10.0 | 9.87 | 99 | 25 - 153 | |
| Chloroform | 10.0 | 9.30 | 93 | 79 - 117 | |
| Chloromethane | 10.0 | 10.0 | 100 | 44 - 126 | |
| 1,1-Dichloroethane | 10.0 | 9.49 | 95 | 82 - 115 | |
| 1,2-Dichloroethane | 10.0 | 9.41 | 94 | 71 - 127 | |
| 1,1-Dichloroethene | 10.0 | 10.8 | 108 | 78 - 131 | |
| 1,2-Dichloropropane | 10.0 | 9.74 | 97 | 81 - 115 | |
| cis-1,3-Dichloropropene | 10.0 | 9.11 | 91 | 61 - 115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.05 | 90 | 58 - 117 | |
| Ethylbenzene | 10.0 | 9.52 | 95 | 83 - 112 | |
| 2-Hexanone | 20.0 | 18.2 | 91 | 55 - 133 | |
| Methylene Chloride | 10.0 | 9.60 | 96 | 66 - 131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 18.7 | 93 | 63 - 128 | |
| Styrene | 10.0 | 9.75 | 97 | 79 - 114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.24 | 92 | 68 - 118 | |
| Tetrachloroethene | 10.0 | 9.34 | 93 | 79 - 114 | |
| Toluene | 10.0 | 9.31 | 93 | 84 - 111 | |
| Trichloroethene | 10.0 | 9.56 | 96 | 76 - 117 | |
| Vinyl chloride | 10.0 | 10.2 | 102 | 53 - 127 | |
| Xylenes, Total | 30.0 | 28.7 | 96 | 83 - 112 | |
| 1,1,1-Trichloroethane | 10.0 | 8.95 | 90 | 74 - 118 | |
| 1,1,2-Trichloroethane | 10.0 | 9.74 | 97 | 80 - 112 | |
| Cyclohexane | 10.0 | 10.1 | 101 | 54 - 121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.26 | 83 | 42 - 136 | |
| Ethylene Dibromide | 10.0 | 9.55 | 95 | 79 - 113 | |
| Dichlorodifluoromethane | 10.0 | 10.5 | 105 | 19 - 129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.69 | 97 | 80 - 113 | |
| trans-1,2-Dichloroethene | 10.0 | 9.93 | 99 | 83 - 117 | |
| Isopropylbenzene | 10.0 | 9.36 | 94 | 75 - 114 | |
| Methyl acetate | 10.0 | ND | 87 | 58 - 131 | |
| Methyl tert-butyl ether | 10.0 | 8.76 | 88 | 52 - 144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 14.9 | 149 | 74 - 151 | |
| 1,2,4-Trichlorobenzene | 10.0 | 6.76 | 68 | 48 - 135 | |
| 1,2-Dichlorobenzene | 10.0 | 9.07 | 91 | 81 - 110 | |
| 1,3-Dichlorobenzene | 10.0 | 9.30 | 93 | 80 - 110 | |
| 1,4-Dichlorobenzene | 10.0 | 9.00 | 90 | 82 - 110 | |
| Trichlorofluoromethane | 10.0 | 16.4 | 164 | 49 - 157 | * |

Client: Cardinal Resources

Job Number: 240-20760-1

**Lab Control Sample - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-74898/4 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6295.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1405 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 1405 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Chlorodibromomethane | 10.0 | 9.58 | 96 | 64 - 119 | |
| Methylcyclohexane | 10.0 | 10.1 | 101 | 56 - 127 | |
| m-Xylene & p-Xylene | 20.0 | 19.2 | 96 | 83 - 113 | |
| o-Xylene | 10.0 | 9.46 | 95 | 83 - 113 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 95 | 66 - 117 |
| Toluene-d8 (Surr) | 94 | 74 - 115 |
| Dibromofluoromethane (Surr) | 94 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-1 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6317.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 2224 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 2224 | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-1 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6318.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 2246 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 2246 | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Acetone | 95 | 93 | 33 - 145 | 2 | 30 | | |
| Benzene | 98 | 100 | 72 - 121 | 2 | 30 | | |
| Dichlorobromomethane | 96 | 98 | 67 - 120 | 2 | 30 | | |
| Bromoform | 90 | 90 | 32 - 128 | 0 | 30 | | |
| Bromomethane | 100 | 99 | 10 - 186 | 0 | 30 | | |
| 2-Butanone (MEK) | 84 | 90 | 54 - 129 | 6 | 30 | | |
| Carbon disulfide | 99 | 99 | 57 - 147 | 1 | 30 | | |
| Carbon tetrachloride | 100 | 103 | 59 - 129 | 3 | 30 | | |
| Chlorobenzene | 94 | 93 | 80 - 110 | 1 | 30 | | |
| Chloroethane | 105 | 101 | 21 - 165 | 4 | 30 | | |
| Chloroform | 93 | 95 | 76 - 118 | 2 | 30 | | |
| Chloromethane | 94 | 96 | 33 - 132 | 2 | 30 | | |
| 1,1-Dichloroethane | 96 | 97 | 79 - 116 | 1 | 30 | | |
| 1,2-Dichloroethane | 97 | 95 | 68 - 129 | 1 | 30 | | |
| 1,1-Dichloroethene | 104 | 106 | 74 - 135 | 2 | 30 | | |
| 1,2-Dichloropropane | 98 | 98 | 78 - 115 | 0 | 30 | | |
| cis-1,3-Dichloropropene | 81 | 84 | 51 - 110 | 4 | 30 | | |
| trans-1,3-Dichloropropene | 85 | 86 | 46 - 116 | 1 | 30 | | |
| Ethylbenzene | 96 | 94 | 75 - 116 | 2 | 30 | | |
| 2-Hexanone | 85 | 88 | 47 - 139 | 4 | 30 | | |
| Methylene Chloride | 95 | 96 | 63 - 128 | 1 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | 87 | 90 | 56 - 131 | 4 | 30 | | |
| Styrene | 100 | 97 | 71 - 117 | 3 | 30 | | |
| 1,1,2,2-Tetrachloroethane | 89 | 92 | 63 - 122 | 4 | 30 | | |
| Tetrachloroethene | 92 | 91 | 70 - 117 | 1 | 30 | | |
| Toluene | 94 | 93 | 78 - 114 | 2 | 30 | | |
| Trichloroethene | 95 | 95 | 66 - 120 | 0 | 30 | | |
| Vinyl chloride | 102 | 104 | 49 - 130 | 1 | 30 | | |
| Xylenes, Total | 97 | 94 | 76 - 116 | 3 | 30 | | |
| 1,1,1-Trichloroethane | 91 | 93 | 68 - 121 | 2 | 30 | | |
| 1,1,2-Trichloroethane | 97 | 96 | 75 - 115 | 1 | 30 | | |
| Cyclohexane | 95 | 97 | 49 - 123 | 3 | 30 | | |
| 1,2-Dibromo-3-Chloropropane | 74 | 79 | 32 - 139 | 7 | 30 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-1 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6317.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 2224 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 2224 | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-1 | Analysis Batch: | 240-74898 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6318.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 2246 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/11/2013 2246 | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Ethylene Dibromide | 93 | 94 | 74 - 113 | 1 | 30 | | |
| Dichlorodifluoromethane | 87 | 88 | 17 - 128 | 2 | 30 | | |
| cis-1,2-Dichloroethene | 97 | 97 | 70 - 120 | 0 | 30 | | |
| trans-1,2-Dichloroethene | 100 | 102 | 80 - 119 | 2 | 30 | | |
| Isopropylbenzene | 94 | 93 | 68 - 116 | 2 | 30 | | |
| Methyl acetate | 69 | 73 | 47 - 130 | 6 | 30 | | |
| Methyl tert-butyl ether | 84 | 87 | 46 - 144 | 4 | 30 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 130 | 130 | 70 - 152 | 0 | 30 | | |
| 1,2,4-Trichlorobenzene | 61 | 66 | 38 - 138 | 9 | 30 | | |
| 1,2-Dichlorobenzene | 90 | 90 | 75 - 111 | 0 | 30 | | |
| 1,3-Dichlorobenzene | 90 | 90 | 73 - 110 | 1 | 30 | | |
| 1,4-Dichlorobenzene | 89 | 90 | 75 - 110 | 1 | 30 | | |
| Trichlorofluoromethane | 150 | 153 | 46 - 157 | 2 | 30 | | |
| Chlorodibromomethane | 94 | 93 | 56 - 118 | 0 | 30 | | |
| Methylcyclohexane | 88 | 91 | 49 - 127 | 3 | 30 | | |
| m-Xylene & p-Xylene | 98 | 95 | 75 - 117 | 3 | 30 | | |
| o-Xylene | 96 | 94 | 76 - 116 | 2 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 90 | 92 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 95 | 93 | 66 - 117 |
| Toluene-d8 (Surr) | 94 | 92 | 74 - 115 |
| Dibromofluoromethane (Surr) | 92 | 93 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-1 | Units: ug/L | MSD Lab Sample ID: | 240-20760-1 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/11/2013 2224 | | Analysis Date: | 02/11/2013 2246 | |
| Prep Date: | 02/11/2013 2224 | | Prep Date: | 02/11/2013 2246 | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Acetone | ND | 20.0 | 20.0 | 19.1 | 18.6 |
| Benzene | ND | 10.0 | 10.0 | 9.85 | 10.0 |
| Dichlorobromomethane | ND | 10.0 | 10.0 | 9.59 | 9.75 |
| Bromoform | ND | 10.0 | 10.0 | 9.03 | 9.01 |
| Bromomethane | ND | 10.0 | 10.0 | 9.95 | 9.95 |
| 2-Butanone (MEK) | ND | 20.0 | 20.0 | 16.9 | 17.9 |
| Carbon disulfide | ND | 10.0 | 10.0 | 9.94 | 9.87 |
| Carbon tetrachloride | ND | 10.0 | 10.0 | 10.0 | 10.3 |
| Chlorobenzene | ND | 10.0 | 10.0 | 9.41 | 9.33 |
| Chloroethane | ND | 10.0 | 10.0 | 10.5 | 10.1 |
| Chloroform | ND | 10.0 | 10.0 | 9.31 | 9.48 |
| Chloromethane | ND | 10.0 | 10.0 | 9.42 | 9.63 |
| 1,1-Dichloroethane | ND | 10.0 | 10.0 | 9.56 | 9.68 |
| 1,2-Dichloroethane | ND | 10.0 | 10.0 | 9.66 | 9.55 |
| 1,1-Dichloroethene | ND | 10.0 | 10.0 | 10.4 | 10.6 |
| 1,2-Dichloropropane | ND | 10.0 | 10.0 | 9.85 | 9.84 |
| cis-1,3-Dichloropropene | ND | 10.0 | 10.0 | 8.12 | 8.43 |
| trans-1,3-Dichloropropene | ND | 10.0 | 10.0 | 8.53 | 8.61 |
| Ethylbenzene | ND | 10.0 | 10.0 | 9.58 | 9.39 |
| 2-Hexanone | ND | 20.0 | 20.0 | 16.9 | 17.7 |
| Methylene Chloride | ND | 10.0 | 10.0 | 9.50 | 9.62 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 20.0 | 17.3 | 18.0 |
| Styrene | ND | 10.0 | 10.0 | 10.0 | 9.74 |
| 1,1,2,2-Tetrachloroethane | ND | 10.0 | 10.0 | 8.90 | 9.23 |
| Tetrachloroethene | ND | 10.0 | 10.0 | 9.20 | 9.10 |
| Toluene | ND | 10.0 | 10.0 | 9.42 | 9.25 |
| Trichloroethene | ND | 10.0 | 10.0 | 9.46 | 9.51 |
| Vinyl chloride | ND | 10.0 | 10.0 | 10.2 | 10.4 |
| Xylenes, Total | ND | 30.0 | 30.0 | 29.1 | 28.3 |
| 1,1,1-Trichloroethane | ND | 10.0 | 10.0 | 9.11 | 9.33 |
| 1,1,2-Trichloroethane | ND | 10.0 | 10.0 | 9.69 | 9.57 |
| Cyclohexane | ND | 10.0 | 10.0 | 9.47 | 9.73 |
| 1,2-Dibromo-3-Chloropropane | ND | 10.0 | 10.0 | 7.40 | 7.91 |
| Ethylene Dibromide | ND | 10.0 | 10.0 | 9.26 | 9.38 |
| Dichlorodifluoromethane | ND | 10.0 | 10.0 | 8.66 | 8.83 |
| cis-1,2-Dichloroethene | ND | 10.0 | 10.0 | 9.68 | 9.68 |
| trans-1,2-Dichloroethene | ND | 10.0 | 10.0 | 10.0 | 10.2 |
| Isopropylbenzene | ND | 10.0 | 10.0 | 9.45 | 9.29 |
| Methyl acetate | ND | 10.0 | 10.0 | ND | ND |
| Methyl tert-butyl ether | ND | 10.0 | 10.0 | 8.37 | 8.71 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 10.0 | 10.0 | 13.0 | 13.0 |
| 1,2,4-Trichlorobenzene | ND | 10.0 | 10.0 | 6.06 | 6.62 |
| 1,2-Dichlorobenzene | ND | 10.0 | 10.0 | 8.99 | 8.97 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74898**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-1 | Units: ug/L | MSD Lab Sample ID: | 240-20760-1 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/11/2013 2224 | | Analysis Date: | 02/11/2013 2246 | |
| Prep Date: | 02/11/2013 2224 | | Prep Date: | 02/11/2013 2246 | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ND | 10.0 | 10.0 | 8.97 | 9.02 |
| 1,4-Dichlorobenzene | ND | 10.0 | 10.0 | 8.87 | 8.96 |
| Trichlorofluoromethane | ND | 10.0 | 10.0 | 15.0 | 15.3 |
| Chlorodibromomethane | ND | 10.0 | 10.0 | 9.36 | 9.33 |
| Methylcyclohexane | ND | 10.0 | 10.0 | 8.84 | 9.11 |
| m-Xylene & p-Xylene | ND | 20.0 | 20.0 | 19.5 | 18.9 |
| o-Xylene | ND | 10.0 | 10.0 | 9.62 | 9.43 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75030/5 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6322.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1533 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1533 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75030/5 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6322.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1533 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1533 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Trichlorofluoromethane | ND | | 1.0 |
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 98 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 82 | 66 - 117 |
| Toluene-d8 (Surr) | 89 | 74 - 115 |
| Dibromofluoromethane (Surr) | 93 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Lab Control Sample - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75030/4 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6321.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1510 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1510 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Acetone | 20.0 | 20.2 | 101 | 43 - 136 | |
| Benzene | 10.0 | 10.1 | 101 | 83 - 112 | |
| Dichlorobromomethane | 10.0 | 10.0 | 100 | 72 - 121 | |
| Bromoform | 10.0 | 9.99 | 100 | 40 - 131 | |
| Bromomethane | 10.0 | 10.9 | 109 | 11 - 185 | |
| 2-Butanone (MEK) | 20.0 | 19.0 | 95 | 60 - 126 | |
| Carbon disulfide | 10.0 | 9.63 | 96 | 62 - 142 | |
| Carbon tetrachloride | 10.0 | 10.1 | 101 | 66 - 128 | |
| Chlorobenzene | 10.0 | 9.70 | 97 | 85 - 110 | |
| Chloroethane | 10.0 | 10.2 | 102 | 25 - 153 | |
| Chloroform | 10.0 | 9.54 | 95 | 79 - 117 | |
| Chloromethane | 10.0 | 9.90 | 99 | 44 - 126 | |
| 1,1-Dichloroethane | 10.0 | 9.78 | 98 | 82 - 115 | |
| 1,2-Dichloroethane | 10.0 | 9.83 | 98 | 71 - 127 | |
| 1,1-Dichloroethene | 10.0 | 10.5 | 105 | 78 - 131 | |
| 1,2-Dichloropropane | 10.0 | 9.97 | 100 | 81 - 115 | |
| cis-1,3-Dichloropropene | 10.0 | 9.03 | 90 | 61 - 115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.37 | 94 | 58 - 117 | |
| Ethylbenzene | 10.0 | 9.89 | 99 | 83 - 112 | |
| 2-Hexanone | 20.0 | 20.4 | 102 | 55 - 133 | |
| Methylene Chloride | 10.0 | 9.97 | 100 | 66 - 131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 19.7 | 98 | 63 - 128 | |
| Styrene | 10.0 | 10.2 | 102 | 79 - 114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.76 | 98 | 68 - 118 | |
| Tetrachloroethene | 10.0 | 9.41 | 94 | 79 - 114 | |
| Toluene | 10.0 | 9.58 | 96 | 84 - 111 | |
| Trichloroethene | 10.0 | 9.83 | 98 | 76 - 117 | |
| Vinyl chloride | 10.0 | 9.97 | 100 | 53 - 127 | |
| Xylenes, Total | 30.0 | 29.5 | 98 | 83 - 112 | |
| 1,1,1-Trichloroethane | 10.0 | 9.28 | 93 | 74 - 118 | |
| 1,1,2-Trichloroethane | 10.0 | 10.2 | 102 | 80 - 112 | |
| Cyclohexane | 10.0 | 9.68 | 97 | 54 - 121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.25 | 82 | 42 - 136 | |
| Ethylene Dibromide | 10.0 | 9.93 | 99 | 79 - 113 | |
| Dichlorodifluoromethane | 10.0 | 8.75 | 87 | 19 - 129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.95 | 99 | 80 - 113 | |
| trans-1,2-Dichloroethene | 10.0 | 10.2 | 102 | 83 - 117 | |
| Isopropylbenzene | 10.0 | 9.72 | 97 | 75 - 114 | |
| Methyl acetate | 10.0 | 10.1 | 101 | 58 - 131 | |
| Methyl tert-butyl ether | 10.0 | 9.08 | 91 | 52 - 144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 14.1 | 141 | 74 - 151 | |
| 1,2,4-Trichlorobenzene | 10.0 | 7.12 | 71 | 48 - 135 | |
| 1,2-Dichlorobenzene | 10.0 | 9.41 | 94 | 81 - 110 | |
| 1,3-Dichlorobenzene | 10.0 | 9.44 | 94 | 80 - 110 | |
| 1,4-Dichlorobenzene | 10.0 | 9.25 | 93 | 82 - 110 | |
| Trichlorofluoromethane | 10.0 | 16.0 | 160 | 49 - 157 | * |

Client: Cardinal Resources

Job Number: 240-20760-1

**Lab Control Sample - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75030/4 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6321.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 1510 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 1510 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Chlorodibromomethane | 10.0 | 9.67 | 97 | 64 - 119 | |
| Methylcyclohexane | 10.0 | 9.42 | 94 | 56 - 127 | |
| m-Xylene & p-Xylene | 20.0 | 19.6 | 98 | 83 - 113 | |
| o-Xylene | 10.0 | 9.89 | 99 | 83 - 113 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 94 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 98 | 66 - 117 |
| Toluene-d8 (Surr) | 97 | 74 - 115 |
| Dibromofluoromethane (Surr) | 94 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6338.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 2130 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 2130 | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6339.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 2152 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 2152 | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Acetone | 92 | 94 | 33 - 145 | 2 | 30 | | |
| Benzene | 98 | 98 | 72 - 121 | 0 | 30 | | |
| Dichlorobromomethane | 97 | 96 | 67 - 120 | 1 | 30 | | |
| Bromoform | 88 | 86 | 32 - 128 | 2 | 30 | | |
| Bromomethane | 99 | 97 | 10 - 186 | 2 | 30 | | |
| 2-Butanone (MEK) | 84 | 85 | 54 - 129 | 2 | 30 | | |
| Carbon disulfide | 97 | 98 | 57 - 147 | 1 | 30 | | |
| Carbon tetrachloride | 100 | 106 | 59 - 129 | 5 | 30 | | |
| Chlorobenzene | 93 | 95 | 80 - 110 | 2 | 30 | | |
| Chloroethane | 102 | 99 | 21 - 165 | 3 | 30 | | |
| Chloroform | 95 | 95 | 76 - 118 | 0 | 30 | | |
| Chloromethane | 98 | 101 | 33 - 132 | 2 | 30 | | |
| 1,1-Dichloroethane | 97 | 99 | 79 - 116 | 2 | 30 | | |
| 1,2-Dichloroethane | 97 | 96 | 68 - 129 | 1 | 30 | | |
| 1,1-Dichloroethene | 104 | 107 | 74 - 135 | 3 | 30 | | |
| 1,2-Dichloropropane | 96 | 97 | 78 - 115 | 1 | 30 | | |
| cis-1,3-Dichloropropene | 78 | 82 | 51 - 110 | 5 | 30 | | |
| trans-1,3-Dichloropropene | 84 | 85 | 46 - 116 | 2 | 30 | | |
| Ethylbenzene | 94 | 97 | 75 - 116 | 2 | 30 | | |
| 2-Hexanone | 86 | 86 | 47 - 139 | 0 | 30 | | |
| Methylene Chloride | 97 | 99 | 63 - 128 | 3 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | 85 | 86 | 56 - 131 | 2 | 30 | | |
| Styrene | 100 | 100 | 71 - 117 | 1 | 30 | | |
| 1,1,2,2-Tetrachloroethane | 90 | 92 | 63 - 122 | 2 | 30 | | |
| Tetrachloroethene | 92 | 92 | 70 - 117 | 0 | 30 | | |
| Toluene | 94 | 94 | 78 - 114 | 0 | 30 | | |
| Trichloroethene | 95 | 96 | 66 - 120 | 1 | 30 | | |
| Vinyl chloride | 103 | 105 | 49 - 130 | 2 | 30 | | |
| Xylenes, Total | 97 | 98 | 76 - 116 | 1 | 30 | | |
| 1,1,1-Trichloroethane | 93 | 97 | 68 - 121 | 4 | 30 | | |
| 1,1,2-Trichloroethane | 97 | 97 | 75 - 115 | 0 | 30 | | |
| Cyclohexane | 96 | 99 | 49 - 123 | 3 | 30 | | |
| 1,2-Dibromo-3-Chloropropane | 73 | 77 | 32 - 139 | 5 | 30 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6338.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 2130 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 2130 | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75030 | Instrument ID: | A3UX17 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXR6339.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/12/2013 2152 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/12/2013 2152 | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Ethylene Dibromide | 93 | 94 | 74 - 113 | 2 | 30 | | |
| Dichlorodifluoromethane | 83 | 88 | 17 - 128 | 7 | 30 | | |
| cis-1,2-Dichloroethene | 97 | 98 | 70 - 120 | 1 | 30 | | |
| trans-1,2-Dichloroethene | 102 | 104 | 80 - 119 | 2 | 30 | | |
| Isopropylbenzene | 94 | 98 | 68 - 116 | 4 | 30 | | |
| Methyl acetate | 77 | 80 | 47 - 130 | 4 | 30 | | |
| Methyl tert-butyl ether | 83 | 85 | 46 - 144 | 3 | 30 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 136 | 141 | 70 - 152 | 4 | 30 | | |
| 1,2,4-Trichlorobenzene | 64 | 73 | 38 - 138 | 14 | 30 | | |
| 1,2-Dichlorobenzene | 90 | 93 | 75 - 111 | 4 | 30 | | |
| 1,3-Dichlorobenzene | 91 | 94 | 73 - 110 | 4 | 30 | | |
| 1,4-Dichlorobenzene | 89 | 92 | 75 - 110 | 3 | 30 | | |
| Trichlorofluoromethane | 164 | 166 | 46 - 157 | 1 | 30 | F | F |
| Chlorodibromomethane | 91 | 90 | 56 - 118 | 1 | 30 | | |
| Methylcyclohexane | 90 | 94 | 49 - 127 | 4 | 30 | | |
| m-Xylene & p-Xylene | 97 | 98 | 75 - 117 | 2 | 30 | | |
| o-Xylene | 97 | 98 | 76 - 116 | 1 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | 91 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 96 | 97 | 66 - 117 |
| Toluene-d8 (Surr) | 95 | 93 | 74 - 115 |
| Dibromofluoromethane (Surr) | 93 | 95 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: ug/L | | MSD Lab Sample ID: | 240-20760-12 |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Analysis Date: | 02/12/2013 2130 | | | Analysis Date: | 02/12/2013 2152 |
| Prep Date: | 02/12/2013 2130 | | | Prep Date: | 02/12/2013 2152 |
| Leach Date: | N/A | | | Leach Date: | N/A |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Acetone | ND | 20.0 | 20.0 | 18.3 | 18.7 |
| Benzene | ND | 10.0 | 10.0 | 9.96 | 9.96 |
| Dichlorobromomethane | ND | 10.0 | 10.0 | 9.67 | 9.58 |
| Bromoform | ND | 10.0 | 10.0 | 8.77 | 8.57 |
| Bromomethane | ND | 10.0 | 10.0 | 9.93 | 9.70 |
| 2-Butanone (MEK) | ND | 20.0 | 20.0 | 16.7 | 17.1 |
| Carbon disulfide | ND | 10.0 | 10.0 | 9.66 | 9.80 |
| Carbon tetrachloride | ND | 10.0 | 10.0 | 10.0 | 10.6 |
| Chlorobenzene | ND | 10.0 | 10.0 | 9.32 | 9.52 |
| Chloroethane | ND | 10.0 | 10.0 | 10.2 | 9.92 |
| Chloroform | ND | 10.0 | 10.0 | 9.53 | 9.52 |
| Chloromethane | ND | 10.0 | 10.0 | 9.85 | 10.1 |
| 1,1-Dichloroethane | ND | 10.0 | 10.0 | 9.67 | 9.86 |
| 1,2-Dichloroethane | ND | 10.0 | 10.0 | 9.70 | 9.62 |
| 1,1-Dichloroethene | ND | 10.0 | 10.0 | 10.4 | 10.7 |
| 1,2-Dichloropropane | ND | 10.0 | 10.0 | 9.61 | 9.72 |
| cis-1,3-Dichloropropene | ND | 10.0 | 10.0 | 7.83 | 8.24 |
| trans-1,3-Dichloropropene | ND | 10.0 | 10.0 | 8.36 | 8.52 |
| Ethylbenzene | ND | 10.0 | 10.0 | 9.44 | 9.65 |
| 2-Hexanone | ND | 20.0 | 20.0 | 17.2 | 17.2 |
| Methylene Chloride | ND | 10.0 | 10.0 | 9.67 | 9.93 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 20.0 | 17.0 | 17.3 |
| Styrene | ND | 10.0 | 10.0 | 9.98 | 10.0 |
| 1,1,2,2-Tetrachloroethane | ND | 10.0 | 10.0 | 9.00 | 9.16 |
| Tetrachloroethene | 1.5 | 10.0 | 10.0 | 10.7 | 10.6 |
| Toluene | ND | 10.0 | 10.0 | 9.42 | 9.38 |
| Trichloroethene | ND | 10.0 | 10.0 | 10.1 | 10.2 |
| Vinyl chloride | ND | 10.0 | 10.0 | 10.3 | 10.5 |
| Xylenes, Total | ND | 30.0 | 30.0 | 29.1 | 29.5 |
| 1,1,1-Trichloroethane | ND | 10.0 | 10.0 | 9.27 | 9.67 |
| 1,1,2-Trichloroethane | ND | 10.0 | 10.0 | 9.70 | 9.66 |
| Cyclohexane | ND | 10.0 | 10.0 | 9.55 | 9.86 |
| 1,2-Dibromo-3-Chloropropane | ND | 10.0 | 10.0 | 7.33 | 7.70 |
| Ethylene Dibromide | ND | 10.0 | 10.0 | 9.25 | 9.40 |
| Dichlorodifluoromethane | ND | 10.0 | 10.0 | 8.27 | 8.84 |
| cis-1,2-Dichloroethene | 1.3 | 10.0 | 10.0 | 11.0 | 11.1 |
| trans-1,2-Dichloroethene | ND | 10.0 | 10.0 | 10.2 | 10.4 |
| Isopropylbenzene | ND | 10.0 | 10.0 | 9.41 | 9.78 |
| Methyl acetate | ND | 10.0 | 10.0 | ND | ND |
| Methyl tert-butyl ether | ND | 10.0 | 10.0 | 8.26 | 8.54 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 10.0 | 10.0 | 13.6 | 14.1 |
| 1,2,4-Trichlorobenzene | ND | 10.0 | 10.0 | 6.39 | 7.33 |
| 1,2-Dichlorobenzene | ND | 10.0 | 10.0 | 8.99 | 9.33 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75030**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: ug/L | MSD Lab Sample ID: | 240-20760-12 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/12/2013 2130 | | Analysis Date: | 02/12/2013 2152 | |
| Prep Date: | 02/12/2013 2130 | | Prep Date: | 02/12/2013 2152 | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | | MSD Result/Qual | |
|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ND | 10.0 | 10.0 | 9.10 | | 9.43 | |
| 1,4-Dichlorobenzene | ND | 10.0 | 10.0 | 8.94 | | 9.19 | |
| Trichlorofluoromethane | ND | 10.0 | 10.0 | 16.4 | F | 16.6 | F |
| Chlorodibromomethane | ND | 10.0 | 10.0 | 9.06 | | 9.00 | |
| Methylcyclohexane | ND | 10.0 | 10.0 | 9.02 | | 9.39 | |
| m-Xylene & p-Xylene | ND | 20.0 | 20.0 | 19.4 | | 19.7 | |
| o-Xylene | ND | 10.0 | 10.0 | 9.70 | | 9.78 | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75041**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75041/3 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021203.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1411 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 113 | 40 - 122 |

**Lab Control Sample - Batch: 240-75041**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75041/4 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021204.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1423 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methane | 116 | 108 | 93 | 79 - 113 | |
| Ethane | 218 | 220 | 101 | 77 - 127 | |
| Ethylene | 203 | 209 | 103 | 64 - 130 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 110 | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75041**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021209.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1710 | | | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021210.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1722 | | | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methane | 85 | 94 | 13 - 173 | 9 | 42 | | |
| Ethane | 93 | 99 | 59 - 133 | 7 | 34 | | |
| Ethylene | 95 | 101 | 51 - 129 | 6 | 34 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 106 | 108 | 40 - 122 |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75041**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: | ug/L | MSD Lab Sample ID: | 240-20760-12 |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Analysis Date: | 02/12/2013 1710 | | | Analysis Date: | 02/12/2013 1722 |
| Prep Date: | N/A | | | Prep Date: | N/A |
| Leach Date: | N/A | | | Leach Date: | N/A |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Methane | 9.6 | 116 | 116 | 109 | 118 |
| Ethane | ND | 218 | 218 | 202 | 216 |
| Ethylene | ND | 203 | 203 | 193 | 204 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-74666**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-74666/3 | Analysis Batch: | 240-74666 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 3240-0017209-003.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/07/2013 1737 | Units: | mg/L | Final Weight/Volume: | |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Nitrate as N | ND | | 0.10 |

**Lab Control Sample - Batch: 240-74666**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-74666/4 | Analysis Batch: | 240-74666 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 4240-0017209-004.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/07/2013 1754 | Units: | mg/L | Final Weight/Volume: | |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Nitrate as N | 2.50 | 2.69 | 108 | 90 - 110 | |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74666**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-74666 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 16240-0017209-016.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/07/2013 2111 | | | Final Weight/Volume: | |
| Prep Date: | N/A | | | | 25 uL |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-74666 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 17240-0017209-017.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/07/2013 2127 | | | Final Weight/Volume: | |
| Prep Date: | N/A | | | | 25 uL |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Nitrate as N | 116 | 115 | 80 - 120 | 1 | 20 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-74666**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: mg/L | MSD Lab Sample ID: | 240-20760-12 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/07/2013 2111 | | Analysis Date: | 02/07/2013 2127 | |
| Prep Date: | N/A | | Prep Date: | N/A | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Nitrate as N | 0.57 | 2.50 | 2.50 | 3.48 | 3.46 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75366**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75366/3 | Analysis Batch: | 240-75366 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021313.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/13/2013 1854 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Alkalinity | ND | | 5.0 |

**Lab Control Sample - Batch: 240-75366**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75366/2 | Analysis Batch: | 240-75366 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021313.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/13/2013 1848 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Alkalinity | 39.8 | 43.7 | 110 | 90 - 127 | |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75366**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75366 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021313.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/13/2013 2309 | | | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75366 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021313.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/13/2013 2325 | | | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Alkalinity | 82 | 85 | 10 - 160 | 3 | 24 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75366**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: mg/L | MSD Lab Sample ID: | 240-20760-12 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/13/2013 2309 | | Analysis Date: | 02/13/2013 2325 | |
| Prep Date: | N/A | | Prep Date: | N/A | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Alkalinity | 120 | 500 | 500 | 533 | 551 |

**Duplicate - Batch: 240-75366**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75366 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021313.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/13/2013 2245 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Sample Result/Qual | Result | RPD | Limit | Qual |
|---|---|---|---|---|---|
| Alkalinity | 120 | 112 | 11 | 20 | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75974**

**Method: 325.2**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75974/5 | Analysis Batch: | 240-75974 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | CL022013.xls |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/20/2013 0824 | Units: | mg/L | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Chloride | ND | | 1.0 |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75974**

**Method: 325.2**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75974 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | CL022013.xls |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/20/2013 1246 | | | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75974 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | CL022013.xls |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/20/2013 1246 | | | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Chloride | 105 | 103 | 52 - 143 | 1 | 20 | | |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75974**

**Method: 325.2**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: | mg/L | MSD Lab Sample ID: | 240-20760-12 |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Analysis Date: | 02/20/2013 1246 | | | Analysis Date: | 02/20/2013 1246 |
| Prep Date: | N/A | | | Prep Date: | N/A |
| Leach Date: | N/A | | | Leach Date: | N/A |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Chloride | 16 | 25.0 | 25.0 | 42.2 | 41.8 |

Client: Cardinal Resources Job Number: 240-20760-1

**Method Blank - Batch: 240-75355**

**Method: 375.4**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75355/21 | Analysis Batch: | 240-75355 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | SO4021413.xls |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/14/2013 1019 | Units: | mg/L | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Sulfate | ND | | 5.0 |

**Lab Control Sample - Batch: 240-75355**

**Method: 375.4**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75355/31 | Analysis Batch: | 240-75355 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | SO4021413.xls |
| Dilution: | 5.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/14/2013 1046 | Units: | mg/L | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Sulfate | 91.1 | 95.7 | 105 | 80 - 112 | |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75355**

**Method: 375.4**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75355 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | SO4021413.xls |
| Dilution: | 5.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/14/2013 1040 | | | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75355 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | SO4021413.xls |
| Dilution: | 5.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/14/2013 1043 | | | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Sulfate | 128 | 119 | 22 - 151 | 3 | 20 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75355**

**Method: 375.4**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: mg/L | MSD Lab Sample ID: | 240-20760-12 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 5.0 | | Dilution: | 5.0 | |
| Analysis Date: | 02/14/2013 1040 | | Analysis Date: | 02/14/2013 1043 | |
| Prep Date: | N/A | | Prep Date: | N/A | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Sulfate | 42 | 25.0 | 25.0 | 73.5 | 71.2 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75110**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75110/1 | Analysis Batch: | 240-75110 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/12/2013 1639 | Units: | mg/L | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Sulfide | ND | | 1.0 |

**Lab Control Sample - Batch: 240-75110**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75110/2 | Analysis Batch: | 240-75110 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/12/2013 1643 | Units: | mg/L | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Sulfide | 17.6 | 18.0 | 102 | 79 - 110 | |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75110**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75110 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/12/2013 1700 | | | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75110 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/12/2013 1704 | | | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Sulfide | 104 | 109 | 75 - 110 | 4 | 20 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75110**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: mg/L | MSD Lab Sample ID: | 240-20760-12 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Analysis Date: | 02/12/2013 1700 | | Analysis Date: | 02/12/2013 1704 | |
| Prep Date: | N/A | | Prep Date: | N/A | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Sulfide | ND | 17.6 | 17.6 | 18.3 | 19.1 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75428**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75428/3 | Analysis Batch: | 240-75428 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0214038.rlt |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/14/2013 1644 | Units: | mg/L | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Total Organic Carbon | ND | | 1.0 |

**Lab Control Sample - Batch: 240-75428**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75428/4 | Analysis Batch: | 240-75428 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0214039.rlt |
| Dilution: | 2.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/14/2013 1655 | Units: | mg/L | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Total Organic Carbon | 48.1 | 47.7 | 99 | 88 - 115 | |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75428**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75428 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0214041.rlt |
| Dilution: | 2.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/14/2013 1717 | | | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-12 | Analysis Batch: | 240-75428 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0214042.rlt |
| Dilution: | 2.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/14/2013 1727 | | | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Total Organic Carbon | 100 | 96 | 72 - 136 | 4 | 20 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75428**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-12 | Units: mg/L | MSD Lab Sample ID: | 240-20760-12 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 2.0 | | Dilution: | 2.0 | |
| Analysis Date: | 02/14/2013 1717 | | Analysis Date: | 02/14/2013 1727 | |
| Prep Date: | N/A | | Prep Date: | N/A | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Total Organic Carbon | ND | 25.0 | 25.0 | 25.0 | 24.0 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Method Blank - Batch: 240-75518**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75518/3 | Analysis Batch: | 240-75518 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0215003.rlt |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/15/2013 0847 | Units: | mg/L | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Total Organic Carbon | ND | | 1.0 |

**Lab Control Sample - Batch: 240-75518**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75518/4 | Analysis Batch: | 240-75518 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0215004.rlt |
| Dilution: | 2.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/15/2013 0858 | Units: | mg/L | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Total Organic Carbon | 48.1 | 48.1 | 100 | 88 - 115 | |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75518**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-11 | Analysis Batch: | 240-75518 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0215006.rlt |
| Dilution: | 2.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/15/2013 0920 | | | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20760-11 | Analysis Batch: | 240-75518 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0215007.rlt |
| Dilution: | 2.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/15/2013 0931 | | | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Total Organic Carbon | 97 | 104 | 72 - 136 | 7 | 20 | | |

Client: Cardinal Resources

Job Number: 240-20760-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75518**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20760-11 | Units: mg/L | MSD Lab Sample ID: | 240-20760-11 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 2.0 | | Dilution: | 2.0 | |
| Analysis Date: | 02/15/2013 0920 | | Analysis Date: | 02/15/2013 0931 | |
| Prep Date: | N/A | | Prep Date: | N/A | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Total Organic Carbon | ND | 25.0 | 25.0 | 24.9 | 26.8 |

Client: Cardinal Resources

Job Number: 240-20760-1

**Duplicate - Batch: 240-74776**

**Method: Moisture**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | 240-20760-4 | Analysis Batch: | 240-74776 | Instrument ID: | No Equipment |
| Client Matrix: | Solid | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | |
| Analysis Date: | 02/08/2013 1339 | Units: | % | Final Weight/Volume: | |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Sample Result/Qual | Result | RPD | Limit | Qual |
|---|---|---|---|---|---|
| Percent Solids | 12 | 15 | 23 | 20 | F |
| Percent Moisture | 88 | 85 | 4 | 20 | |

## DATA REPORTING QUALIFIERS

Client: Cardinal Resources Job Number: 240-20760-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS VOA | | |
| | * | LCS or LCSD exceeds the control limits |
| | F | MS or MSD exceeds the control limits |
| | F | RPD of the MS and MSD exceeds the control limits |
| General Chemistry | | |
| | F | Duplicate RPD exceeds the control limit |

Client: Cardinal Resources

Job Number: 240-20760-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS VOA** | | | | | |
| **Analysis Batch:240-74675** | | | | | |
| LCS 240-74675/6 | Lab Control Sample | T | Solid | 8260B | |
| MB 240-74675/7 | Method Blank | T | Solid | 8260B | |
| 240-20760-4 | SED-2 | T | Solid | 8260B | 240-74679 |
| 240-20760-4MS | Matrix Spike | T | Solid | 8260B | 240-74679 |
| 240-20760-4MSD | Matrix Spike Duplicate | T | Solid | 8260B | 240-74679 |
| 240-20760-5 | SED-1 | T | Solid | 8260B | 240-74679 |
| 240-20760-6 | SED-DUP | T | Solid | 8260B | 240-74679 |
| **Prep Batch: 240-74679** | | | | | |
| 240-20760-4 | SED-2 | T | Solid | 5030B | |
| 240-20760-4MS | Matrix Spike | T | Solid | 5030B | |
| 240-20760-4MSD | Matrix Spike Duplicate | T | Solid | 5030B | |
| 240-20760-5 | SED-1 | T | Solid | 5030B | |
| 240-20760-6 | SED-DUP | T | Solid | 5030B | |
| **Analysis Batch:240-74898** | | | | | |
| LCS 240-74898/4 | Lab Control Sample | T | Water | 8260B | |
| MB 240-74898/5 | Method Blank | T | Water | 8260B | |
| 240-20760-1 | SW-2 | T | Water | 8260B | |
| 240-20760-1MS | Matrix Spike | T | Water | 8260B | |
| 240-20760-1MSD | Matrix Spike Duplicate | T | Water | 8260B | |
| 240-20760-7 | TRIP BLANK1 | T | Water | 8260B | |
| 240-20760-8 | OW-2 | T | Water | 8260B | |
| 240-20760-9 | FIELD BLANK1 | T | Water | 8260B | |
| 240-20760-10 | OW-6 | T | Water | 8260B | |
| **Analysis Batch:240-75030** | | | | | |
| LCS 240-75030/4 | Lab Control Sample | T | Water | 8260B | |
| MB 240-75030/5 | Method Blank | T | Water | 8260B | |
| 240-20760-2 | SW-1 | T | Water | 8260B | |
| 240-20760-3 | SW-DUP | T | Water | 8260B | |
| 240-20760-11 | OW-8 | T | Water | 8260B | |
| 240-20760-12 | OW-5 | T | Water | 8260B | |
| 240-20760-12MS | Matrix Spike | T | Water | 8260B | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | 8260B | |

**Report Basis**

T = Total

Client: Cardinal Resources

Job Number: 240-20760-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC VOA** | | | | | |
| **Analysis Batch:240-75041** | | | | | |
| LCS 240-75041/4 | Lab Control Sample | T | Water | RSK-175 | |
| MB 240-75041/3 | Method Blank | T | Water | RSK-175 | |
| 240-20760-8 | OW-2 | T | Water | RSK-175 | |
| 240-20760-10 | OW-6 | T | Water | RSK-175 | |
| 240-20760-11 | OW-8 | T | Water | RSK-175 | |
| 240-20760-12 | OW-5 | T | Water | RSK-175 | |
| 240-20760-12MS | Matrix Spike | T | Water | RSK-175 | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | RSK-175 | |

**Report Basis**

T = Total

Client: Cardinal Resources

Job Number: 240-20760-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **General Chemistry** | | | | | |
| **Analysis Batch:240-74666** | | | | | |
| LCS 240-74666/4 | Lab Control Sample | T | Water | 300.0 | |
| MB 240-74666/3 | Method Blank | T | Water | 300.0 | |
| 240-20760-8 | OW-2 | T | Water | 300.0 | |
| 240-20760-10 | OW-6 | T | Water | 300.0 | |
| 240-20760-11 | OW-8 | T | Water | 300.0 | |
| 240-20760-12 | OW-5 | T | Water | 300.0 | |
| 240-20760-12MS | Matrix Spike | T | Water | 300.0 | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | 300.0 | |
| **Analysis Batch:240-74776** | | | | | |
| 240-20760-4 | SED-2 | T | Solid | Moisture | |
| 240-20760-4DU | Duplicate | T | Solid | Moisture | |
| 240-20760-5 | SED-1 | T | Solid | Moisture | |
| 240-20760-6 | SED-DUP | T | Solid | Moisture | |
| **Analysis Batch:240-75110** | | | | | |
| LCS 240-75110/2 | Lab Control Sample | T | Water | 376.1 | |
| MB 240-75110/1 | Method Blank | T | Water | 376.1 | |
| 240-20760-8 | OW-2 | T | Water | 376.1 | |
| 240-20760-10 | OW-6 | T | Water | 376.1 | |
| 240-20760-11 | OW-8 | T | Water | 376.1 | |
| 240-20760-12 | OW-5 | T | Water | 376.1 | |
| 240-20760-12MS | Matrix Spike | T | Water | 376.1 | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | 376.1 | |
| **Analysis Batch:240-75355** | | | | | |
| LCS 240-75355/31 | Lab Control Sample | T | Water | 375.4 | |
| MB 240-75355/21 | Method Blank | T | Water | 375.4 | |
| 240-20760-8 | OW-2 | T | Water | 375.4 | |
| 240-20760-10 | OW-6 | T | Water | 375.4 | |
| 240-20760-11 | OW-8 | T | Water | 375.4 | |
| 240-20760-12 | OW-5 | T | Water | 375.4 | |
| 240-20760-12MS | Matrix Spike | T | Water | 375.4 | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | 375.4 | |
| **Analysis Batch:240-75366** | | | | | |
| LCS 240-75366/2 | Lab Control Sample | T | Water | 310.1 | |
| MB 240-75366/3 | Method Blank | T | Water | 310.1 | |
| 240-20760-8 | OW-2 | T | Water | 310.1 | |
| 240-20760-10 | OW-6 | T | Water | 310.1 | |
| 240-20760-11 | OW-8 | T | Water | 310.1 | |
| 240-20760-12 | OW-5 | T | Water | 310.1 | |
| 240-20760-12DU | Duplicate | T | Water | 310.1 | |
| 240-20760-12MS | Matrix Spike | T | Water | 310.1 | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | 310.1 | |

Client: Cardinal Resources

Job Number: 240-20760-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **General Chemistry** | | | | | |
| **Analysis Batch:240-75428** | | | | | |
| LCS 240-75428/4 | Lab Control Sample | T | Water | 415.1 | |
| MB 240-75428/3 | Method Blank | T | Water | 415.1 | |
| 240-20760-8 | OW-2 | T | Water | 415.1 | |
| 240-20760-10 | OW-6 | T | Water | 415.1 | |
| 240-20760-12 | OW-5 | T | Water | 415.1 | |
| 240-20760-12MS | Matrix Spike | T | Water | 415.1 | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | 415.1 | |
| **Analysis Batch:240-75518** | | | | | |
| LCS 240-75518/4 | Lab Control Sample | T | Water | 415.1 | |
| MB 240-75518/3 | Method Blank | T | Water | 415.1 | |
| 240-20760-11 | OW-8 | T | Water | 415.1 | |
| 240-20760-11MS | Matrix Spike | T | Water | 415.1 | |
| 240-20760-11MSD | Matrix Spike Duplicate | T | Water | 415.1 | |
| **Analysis Batch:240-75974** | | | | | |
| LCS 240-75974/8 | Lab Control Sample | T | Water | 325.2 | |
| MB 240-75974/5 | Method Blank | T | Water | 325.2 | |
| 240-20760-8 | OW-2 | T | Water | 325.2 | |
| 240-20760-10 | OW-6 | T | Water | 325.2 | |
| 240-20760-11 | OW-8 | T | Water | 325.2 | |
| 240-20760-12 | OW-5 | T | Water | 325.2 | |
| 240-20760-12MS | Matrix Spike | T | Water | 325.2 | |
| 240-20760-12MSD | Matrix Spike Duplicate | T | Water | 325.2 | |

**Report Basis**

T = Total

Client: Cardinal Resources Job Number: 240-20760-1

## Laboratory Chronicle

**Lab ID:** 240-20760-1 **Client ID:** SW-2

Sample Date/Time: 02/05/2013 14:00 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-D-1 | | 240-74898 | | 02/11/2013 22:01 | 1 | TAL NC | LW |
| A:8260B | 240-20760-D-1 | | 240-74898 | | 02/11/2013 22:01 | 1 | TAL NC | LW |

**Lab ID:** 240-20760-1 **Client ID:** SW-2

Sample Date/Time: 02/05/2013 14:00 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-H-1 MS | | 240-74898 | | 02/11/2013 22:24 | 1 | TAL NC | LW |
| A:8260B | 240-20760-H-1 MS | | 240-74898 | | 02/11/2013 22:24 | 1 | TAL NC | LW |

**Lab ID:** 240-20760-1 **Client ID:** SW-2

Sample Date/Time: 02/05/2013 14:00 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-I-1 MSD | | 240-74898 | | 02/11/2013 22:46 | 1 | TAL NC | LW |
| A:8260B | 240-20760-I-1 MSD | | 240-74898 | | 02/11/2013 22:46 | 1 | TAL NC | LW |

**Lab ID:** 240-20760-2 **Client ID:** SW-1

Sample Date/Time: 02/05/2013 14:40 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-A-2 | | 240-75030 | | 02/12/2013 16:18 | 1 | TAL NC | LW |
| A:8260B | 240-20760-A-2 | | 240-75030 | | 02/12/2013 16:18 | 1 | TAL NC | LW |

**Lab ID:** 240-20760-3 **Client ID:** SW-DUP

Sample Date/Time: 02/05/2013 14:40 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-3 | | 240-75030 | | 02/12/2013 16:40 | 1 | TAL NC | LW |
| A:8260B | 240-20760-B-3 | | 240-75030 | | 02/12/2013 16:40 | 1 | TAL NC | LW |

**Lab ID:** 240-20760-4 **Client ID:** SED-2

Sample Date/Time: 02/05/2013 14:15 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-C-4-A | | 240-74675 | 240-74679 | 02/08/2013 00:56 | 1 | TAL NC | TL |
| A:8260B | 240-20760-C-4-A | | 240-74675 | 240-74679 | 02/08/2013 04:55 | 1 | TAL NC | TL |
| A:Moisture | 240-20760-A-4 | | 240-74776 | | 02/08/2013 13:39 | 1 | TAL NC | JK |

Client: Cardinal Resources

Job Number: 240-20760-1

## Laboratory Chronicle

**Lab ID:** 240-20760-4 **Client ID:** SED-2

Sample Date/Time: 02/05/2013 14:15 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-C-4-C MS | | 240-74675 | 240-74679 | 02/08/2013 00:56 | 1 | TAL NC | TL |
| A:8260B | 240-20760-C-4-C MS | | 240-74675 | 240-74679 | 02/08/2013 05:37 | 1 | TAL NC | TL |

**Lab ID:** 240-20760-4 **Client ID:** SED-2

Sample Date/Time: 02/05/2013 14:15 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-C-4-D MSD | | 240-74675 | 240-74679 | 02/08/2013 00:56 | 1 | TAL NC | TL |
| A:8260B | 240-20760-C-4-D MSD | | 240-74675 | 240-74679 | 02/08/2013 05:59 | 1 | TAL NC | TL |

**Lab ID:** 240-20760-4 **Client ID:** SED-2

Sample Date/Time: 02/05/2013 14:15 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:Moisture | 240-20760-B-4 DU | | 240-74776 | | 02/08/2013 13:39 | 1 | TAL NC | JK |

**Lab ID:** 240-20760-5 **Client ID:** SED-1

Sample Date/Time: 02/05/2013 15:05 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-5-A | | 240-74675 | 240-74679 | 02/08/2013 00:56 | 1 | TAL NC | TL |
| A:8260B | 240-20760-B-5-A | | 240-74675 | 240-74679 | 02/08/2013 06:20 | 1 | TAL NC | TL |
| A:Moisture | 240-20760-A-5 | | 240-74776 | | 02/08/2013 13:39 | 1 | TAL NC | JK |

**Lab ID:** 240-20760-6 **Client ID:** SED-DUP

Sample Date/Time: 02/05/2013 15:05 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-6-A | | 240-74675 | 240-74679 | 02/08/2013 00:56 | 1 | TAL NC | TL |
| A:8260B | 240-20760-B-6-A | | 240-74675 | 240-74679 | 02/08/2013 06:41 | 1 | TAL NC | TL |
| A:Moisture | 240-20760-A-6 | | 240-74776 | | 02/08/2013 13:39 | 1 | TAL NC | JK |

Client: Cardinal Resources Job Number: 240-20760-1

## Laboratory Chronicle

**Lab ID: 240-20760-7** **Client ID: TRIP BLANK1**

Sample Date/Time: 02/06/2013 08:30 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-7 | | 240-74898 | | 02/11/2013 15:18 | 1 | TAL NC | LW |
| A:8260B | 240-20760-B-7 | | 240-74898 | | 02/11/2013 15:18 | 1 | TAL NC | LW |

**Lab ID: 240-20760-8** **Client ID: OW-2**

Sample Date/Time: 02/06/2013 09:55 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-8 | | 240-74898 | | 02/11/2013 17:33 | 10 | TAL NC | LW |
| A:8260B | 240-20760-B-8 | | 240-74898 | | 02/11/2013 17:33 | 10 | TAL NC | LW |
| A:RSK-175 | 240-20760-F-8 | | 240-75041 | | 02/12/2013 17:46 | 1 | TAL NC | RS |
| A:300.0 | 240-20760-I-8 | | 240-74666 | | 02/07/2013 19:32 | 1 | TAL NC | LG |
| A:310.1 | 240-20760-I-8 | | 240-75366 | | 02/13/2013 22:24 | 1 | TAL NC | OC |
| A:325.2 | 240-20760-I-8 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20760-I-8 | | 240-75355 | | 02/14/2013 10:12 | 1 | TAL NC | JB |
| A:376.1 | 240-20760-J-8 | | 240-75110 | | 02/12/2013 16:46 | 1 | TAL NC | JB |
| A:415.1 | 240-20760-G-8 | | 240-75428 | | 02/14/2013 18:44 | 1 | TAL NC | TH |

**Lab ID: 240-20760-9** **Client ID: FIELD BLANK1**

Sample Date/Time: 02/06/2013 10:20 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-9 | | 240-74898 | | 02/11/2013 17:56 | 1 | TAL NC | LW |
| A:8260B | 240-20760-B-9 | | 240-74898 | | 02/11/2013 17:56 | 1 | TAL NC | LW |

**Lab ID: 240-20760-10** **Client ID: OW-6**

Sample Date/Time: 02/06/2013 11:35 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-10 | | 240-74898 | | 02/11/2013 18:18 | 1.25 | TAL NC | LW |
| A:8260B | 240-20760-B-10 | | 240-74898 | | 02/11/2013 18:18 | 1.25 | TAL NC | LW |
| A:RSK-175 | 240-20760-F-10 | | 240-75041 | | 02/12/2013 17:59 | 1 | TAL NC | RS |
| A:300.0 | 240-20760-I-10 | | 240-74666 | | 02/07/2013 18:59 | 1 | TAL NC | LG |
| A:310.1 | 240-20760-I-10 | | 240-75366 | | 02/13/2013 22:30 | 1 | TAL NC | OC |
| A:325.2 | 240-20760-I-10 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20760-I-10 | | 240-75355 | | 02/14/2013 10:13 | 1 | TAL NC | JB |
| A:376.1 | 240-20760-J-10 | | 240-75110 | | 02/12/2013 16:50 | 1 | TAL NC | JB |
| A:415.1 | 240-20760-G-10 | | 240-75428 | | 02/14/2013 18:55 | 1 | TAL NC | TH |

Client: Cardinal Resources Job Number: 240-20760-1

## Laboratory Chronicle

**Lab ID: 240-20760-11** **Client ID: OW-8**

Sample Date/Time: 02/06/2013 13:35 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-11 | | 240-75030 | | 02/12/2013 17:03 | 1 | TAL NC | LW |
| A:8260B | 240-20760-B-11 | | 240-75030 | | 02/12/2013 17:03 | 1 | TAL NC | LW |
| A:RSK-175 | 240-20760-F-11 | | 240-75041 | | 02/12/2013 18:11 | 1 | TAL NC | RS |
| A:300.0 | 240-20760-I-11 | | 240-74666 | | 02/07/2013 19:16 | 1 | TAL NC | LG |
| A:310.1 | 240-20760-I-11 | | 240-75366 | | 02/13/2013 22:37 | 1 | TAL NC | OC |
| A:325.2 | 240-20760-I-11 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20760-I-11 | | 240-75355 | | 02/14/2013 10:13 | 1 | TAL NC | JB |
| A:376.1 | 240-20760-J-11 | | 240-75110 | | 02/12/2013 16:53 | 1 | TAL NC | JB |
| A:415.1 | 240-20760-H-11 | | 240-75518 | | 02/15/2013 09:09 | 1 | TAL NC | TH |

**Lab ID: 240-20760-11 MS** **Client ID: OW-8**

Sample Date/Time: 02/06/2013 13:35 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:415.1 | 240-20760-H-11 MS | | 240-75518 | | 02/15/2013 09:20 | 2 | TAL NC | TH |

**Lab ID: 240-20760-11 MSD** **Client ID: OW-8**

Sample Date/Time: 02/06/2013 13:35 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:415.1 | 240-20760-H-11 MSD | | 240-75518 | | 02/15/2013 09:31 | 2 | TAL NC | TH |

**Lab ID: 240-20760-12** **Client ID: OW-5**

Sample Date/Time: 02/06/2013 14:55 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-B-12 | | 240-75030 | | 02/12/2013 21:08 | 1 | TAL NC | LW |
| A:8260B | 240-20760-B-12 | | 240-75030 | | 02/12/2013 21:08 | 1 | TAL NC | LW |
| A:RSK-175 | 240-20760-P-12 | | 240-75041 | | 02/12/2013 16:58 | 1 | TAL NC | RS |
| A:300.0 | 240-20760-Y-12 | | 240-74666 | | 02/07/2013 20:54 | 1 | TAL NC | LG |
| A:310.1 | 240-20760-Y-12 | | 240-75366 | | 02/13/2013 22:53 | 1 | TAL NC | OC |
| A:325.2 | 240-20760-Y-12 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20760-Y-12 | | 240-75355 | | 02/14/2013 10:40 | 5 | TAL NC | JB |
| A:376.1 | 240-20760-AC-12 | | 240-75110 | | 02/12/2013 16:57 | 1 | TAL NC | JB |
| A:415.1 | 240-20760-S-12 | | 240-75428 | | 02/14/2013 17:06 | 1 | TAL NC | TH |

Client: Cardinal Resources Job Number: 240-20760-1

## Laboratory Chronicle

**Lab ID:** 240-20760-12 **Client ID:** OW-5

Sample Date/Time: 02/06/2013 14:55 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-E-12 MS | | 240-75030 | | 02/12/2013 21:30 | 1 | TAL NC | LW |
| A:8260B | 240-20760-E-12 MS | | 240-75030 | | 02/12/2013 21:30 | 1 | TAL NC | LW |
| A:RSK-175 | 240-20760-P-12 MS | | 240-75041 | | 02/12/2013 17:10 | 1 | TAL NC | RS |
| A:300.0 | 240-20760-Y-12 MS | | 240-74666 | | 02/07/2013 21:11 | 1 | TAL NC | LG |
| A:310.1 | 240-20760-Y-12 MS | | 240-75366 | | 02/13/2013 23:09 | 1 | TAL NC | OC |
| A:325.2 | 240-20760-Y-12 MS | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20760-Y-12 MS | | 240-75355 | | 02/14/2013 10:40 | 5 | TAL NC | JB |
| A:376.1 | 240-20760-AB-12 MS | | 240-75110 | | 02/12/2013 17:00 | 1 | TAL NC | JB |
| A:415.1 | 240-20760-S-12 MS | | 240-75428 | | 02/14/2013 17:17 | 2 | TAL NC | TH |

**Lab ID:** 240-20760-12 **Client ID:** OW-5

Sample Date/Time: 02/06/2013 14:55 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20760-F-12 MSD | | 240-75030 | | 02/12/2013 21:52 | 1 | TAL NC | LW |
| A:8260B | 240-20760-F-12 MSD | | 240-75030 | | 02/12/2013 21:52 | 1 | TAL NC | LW |
| A:RSK-175 | 240-20760-P-12 MSD | | 240-75041 | | 02/12/2013 17:22 | 1 | TAL NC | RS |
| A:300.0 | 240-20760-Y-12 MSD | | 240-74666 | | 02/07/2013 21:27 | 1 | TAL NC | LG |
| A:310.1 | 240-20760-Y-12 MSD | | 240-75366 | | 02/13/2013 23:25 | 1 | TAL NC | OC |
| A:325.2 | 240-20760-Y-12 MSD | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20760-Y-12 MSD | | 240-75355 | | 02/14/2013 10:43 | 5 | TAL NC | JB |
| A:376.1 | 240-20760-AD-12 MSD | | 240-75110 | | 02/12/2013 17:04 | 1 | TAL NC | JB |
| A:415.1 | 240-20760-S-12 MSD | | 240-75428 | | 02/14/2013 17:27 | 2 | TAL NC | TH |

**Lab ID:** 240-20760-12 DU **Client ID:** OW-5

Sample Date/Time: 02/06/2013 14:55 Received Date/Time: 02/07/2013 09:20

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:310.1 | 240-20760-Y-12 DU | | 240-75366 | | 02/13/2013 22:45 | 1 | TAL NC | OC |

Client: Cardinal Resources

Job Number: 240-20760-1

## Laboratory Chronicle

**Lab ID:** MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:8260B | MB 240-74675/7 | | 240-74675 | | 02/08/2013 00:39 | 1 | TAL NC | TL |
| P:5030B | MB 240-74898/5 | | 240-74898 | | 02/11/2013 14:27 | 1 | TAL NC | LW |
| A:8260B | MB 240-74898/5 | | 240-74898 | | 02/11/2013 14:27 | 1 | TAL NC | LW |
| P:5030B | MB 240-75030/5 | | 240-75030 | | 02/12/2013 15:33 | 1 | TAL NC | LW |
| A:8260B | MB 240-75030/5 | | 240-75030 | | 02/12/2013 15:33 | 1 | TAL NC | LW |
| A:RSK-175 | MB 240-75041/3 | | 240-75041 | | 02/12/2013 14:11 | 1 | TAL NC | RS |
| A:300.0 | MB 240-74666/3 | | 240-74666 | | 02/07/2013 17:37 | 1 | TAL NC | LG |
| A:310.1 | MB 240-75366/3 | | 240-75366 | | 02/13/2013 18:54 | 1 | TAL NC | OC |
| A:325.2 | MB 240-75974/5 | | 240-75974 | | 02/20/2013 08:24 | 1 | TAL NC | JK |
| A:375.4 | MB 240-75355/21 | | 240-75355 | | 02/14/2013 10:19 | 1 | TAL NC | JB |
| A:376.1 | MB 240-75110/1 | | 240-75110 | | 02/12/2013 16:39 | 1 | TAL NC | JB |
| A:415.1 | MB 240-75428/3 | | 240-75428 | | 02/14/2013 16:44 | 1 | TAL NC | TH |
| A:415.1 | MB 240-75518/3 | | 240-75518 | | 02/15/2013 08:47 | 1 | TAL NC | TH |

**Lab ID:** LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:8260B | LCS 240-74675/6 | | 240-74675 | | 02/08/2013 00:18 | 1 | TAL NC | TL |
| P:5030B | LCS 240-74898/4 | | 240-74898 | | 02/11/2013 14:05 | 1 | TAL NC | LW |
| A:8260B | LCS 240-74898/4 | | 240-74898 | | 02/11/2013 14:05 | 1 | TAL NC | LW |
| P:5030B | LCS 240-75030/4 | | 240-75030 | | 02/12/2013 15:10 | 1 | TAL NC | LW |
| A:8260B | LCS 240-75030/4 | | 240-75030 | | 02/12/2013 15:10 | 1 | TAL NC | LW |
| A:RSK-175 | LCS 240-75041/4 | | 240-75041 | | 02/12/2013 14:23 | 1 | TAL NC | RS |
| A:300.0 | LCS 240-74666/4 | | 240-74666 | | 02/07/2013 17:54 | 1 | TAL NC | LG |
| A:310.1 | LCS 240-75366/2 | | 240-75366 | | 02/13/2013 18:48 | 1 | TAL NC | OC |
| A:325.2 | LCS 240-75974/8 | | 240-75974 | | 02/20/2013 08:32 | 5 | TAL NC | JK |
| A:375.4 | LCS 240-75355/31 | | 240-75355 | | 02/14/2013 10:46 | 5 | TAL NC | JB |
| A:376.1 | LCS 240-75110/2 | | 240-75110 | | 02/12/2013 16:43 | 1 | TAL NC | JB |
| A:415.1 | LCS 240-75428/4 | | 240-75428 | | 02/14/2013 16:55 | 2 | TAL NC | TH |
| A:415.1 | LCS 240-75518/4 | | 240-75518 | | 02/15/2013 08:58 | 2 | TAL NC | TH |

**Lab References:**

TAL NC = TestAmerica Canton

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| **SAICALSURR_00006** | 11/08/13 | Matheson Trigas, Lot 109-16-06513 | | | (Purchased Reagent) | | 1,1,1-Trifluoroethane | 172158 ug/L |
| **SARSK2NDSRCE_00003** | 10/10/13 | Air Liquide-Scott Specialty gases, Lot 284PLU1SPC09D | | | (Purchased Reagent) | | Ethane | 12338 ug/L |
| | | | | | | | Ethylene | 11518 ug/L |
| | | | | | | | Methane | 6558 ug/L |
| **SARSKHIGHCAL_00003** | 11/18/13 | Matheson Trigas, Lot 109-16-06579 | | | (Purchased Reagent) | | Ethane | 12338 ug/L |
| | | | | | | | Ethylene | 11518 ug/L |
| | | | | | | | Methane | 6558 ug/L |
| **SARSKHIGHCALP_00001** | 05/23/14 | Matheson Trigas, Lot 109-16-06579 | | | (Purchased Reagent) | | Acetylene | 10657 ug/L |
| | | | | | | | Ethane | 12338 ug/L |
| | | | | | | | Ethylene | 11518 ug/L |
| | | | | | | | Methane | 6558 ug/L |
| | | | | | | | Propane | 18077 ug/L |
| | | | | | | | Propane, 2-methyl | 23815 ug/L |
| | | | | | | | Propene | 17257 ug/L |
| **SARSKLOWCAL_00003** | 11/18/13 | MATHESON TRI-GAS INC., Lot 109-16-06580 | | | (Purchased Reagent) | | Acetylene | 1066 ug/L |
| | | | | | | | Ethane | 1234 ug/L |
| | | | | | | | Ethylene | 1152 ug/L |
| | | | | | | | Methane | 656 ug/L |
| | | | | | | | Propane | 1808 ug/L |
| | | | | | | | Propane, 2-methyl | 2382 ug/L |
| | | | | | | | Propene | 1726 ug/L |
| **SARSKSURR_00007** | 08/13/15 | Matheson Trigas, Lot 9302602818 | | | (Purchased Reagent) | | 1,1,1-Trifluoroethane | 11190 ug/L |
| **VM250-IS_00014** | 07/25/13 | 01/25/13 | MEOH, Lot 124454 | 100 mL | vmcus8126_00007 | 1 mL | 1,4-Dichlorobenzene-d4 | 250 ug/mL |
| | | | | | | | Chlorobenzene-d5 | 250 ug/mL |
| | | | | | | | Fluorobenzene | 250 ug/mL |
| .vmcus8126_00007 | 09/30/14 | Ultra Scientific, Lot CJ-3237 | | | (Purchased Reagent) | | 1,4-Dichlorobenzene-d4 | 25000 ug/mL |
| | | | | | | | Chlorobenzene-d5 | 25000 ug/mL |
| | | | | | | | Fluorobenzene | 25000 ug/mL |
| **VM2MNP_00067** | 02/18/13 | 01/21/13 | MEOH, Lot na | 1 mL | VMSV200_00008 | 1 mL | 2-Methylnaphthalene | 100 ug/mL |
| .VMSV200_00008 | 08/31/14 | ULTRA, Lot CC-1268Z | | | (Purchased Reagent) | | 2-Methylnaphthalene | 100 ug/mL |
| **VM50IS_00025** | 04/04/13 | 01/03/13 | MEOH, Lot 123279 | 50 mL | VMSTM520_00016 | 1 mL | 1,4-Dichlorobenzene-d4 | 50 ug/mL |
| | | | | | | | Chlorobenzene-d5 | 50 ug/mL |
| | | | | | | | Fluorobenzene | 50 ug/mL |
| .VMSTM520_00016 | 12/31/14 | Ultra Scientific, Lot CH-3660 | | | (Purchased Reagent) | | 1,4-Dichlorobenzene-d4 | 2500 ug/mL |
| | | | | | | | Chlorobenzene-d5 | 2500 ug/mL |
| | | | | | | | Fluorobenzene | 2500 ug/mL |
| **vm50ss_00095** | 02/05/13 | 01/29/13 | MEOH, Lot na | 2 mL | vm50ss_stk_00047 | 2 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |
| .vm50ss_stk_00047 | 04/21/13 | 01/21/13 | MEOH, Lot 124454 | 50 mL | VMstm530_00017 | 1 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| ..VMstm530_00017 | 05/31/15 | Ultra Scientific, Lot CJ-1280 | | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 2500 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 2500 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 2500 ug/mL |
| **vm50ss_00096** | 02/12/13 | 02/05/13 | MEOH, Lot na | 2 mL | vm50ss_stk_00047 | 2 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |
| .vm50ss_stk_00047 | 04/21/13 | 01/21/13 | MEOH, Lot 124454 | 50 mL | VMstm530_00017 | 1 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |
| ..VMstm530_00017 | 05/31/15 | Ultra Scientific, Lot CJ-1280 | | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 2500 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 2500 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 2500 ug/mL |
| **vm50ss_stk_00043** | 02/12/13 | 11/12/12 | MEOH, Lot 123279 | 50 mL | VMstm530_00016 | 1 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |
| .VMstm530_00016 | 05/31/15 | Ultra Scientific, Lot CJ-1280 | | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 2500 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 2500 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 2500 ug/mL |
| **vm50ss_stk_00046** | 04/11/13 | 01/11/13 | MEOH, Lot 123279 | 50 mL | VMstm530_00017 | 1 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |
| .VMstm530_00017 | 05/31/15 | Ultra Scientific, Lot CJ-1280 | | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 2500 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 2500 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 2500 ug/mL |
| **vmap9_00109** | 02/05/13 | 01/29/13 | MEOH, Lot na | 1 mL | VMCU12302_00011 | 1 mL | 1,2,3-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 2-Chloro-1,3-butadiene | 50 ug/mL |
| | | | | | | | 2-Nitropropane | 100 ug/mL |
| | | | | | | | 3-Chloro-1-propene | 50 ug/mL |
| | | | | | | | Cyclohexanone | 500 ug/mL |
| | | | | | | | Dichlorofluoromethane | 50 ug/mL |
| | | | | | | | Ethyl acetate | 100 ug/mL |
| | | | | | | | Ethyl ether | 50 ug/mL |
| | | | | | | | Isobutyl alcohol | 1000 ug/mL |
| | | | | | | | Isopropyl ether | 250 ug/mL |
| | | | | | | | Methacrylonitrile | 50 ug/mL |
| | | | | | | | Methyl methacrylate | 50 ug/mL |
| | | | | | | | n-Butanol | 1000 ug/mL |
| | | | | | | | n-Butyl acetate | 100 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | n-Heptane | 50 ug/mL |
| | | | | | | | Propionitrile | 100 ug/mL |
| | | | | | | | Tert-amyl methyl ether | 50 ug/mL |
| | | | | | | | Tert-butyl ethyl ether | 50 ug/mL |
| .VMCU12302_00011 | 09/30/14 | Ultra Scientific, Lot CJ-3239 | | | (Purchased Reagent) | | 1,2,3-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 2-Chloro-1,3-butadiene | 50 ug/mL |
| | | | | | | | 2-Nitropropane | 100 ug/mL |
| | | | | | | | 3-Chloro-1-propene | 50 ug/mL |
| | | | | | | | Cyclohexanone | 500 ug/mL |
| | | | | | | | Dichlorofluoromethane | 50 ug/mL |
| | | | | | | | Ethyl acetate | 100 ug/mL |
| | | | | | | | Ethyl ether | 50 ug/mL |
| | | | | | | | Isobutyl alcohol | 1000 ug/mL |
| | | | | | | | Isopropyl ether | 250 ug/mL |
| | | | | | | | Methacrylonitrile | 50 ug/mL |
| | | | | | | | Methyl methacrylate | 50 ug/mL |
| | | | | | | | n-Butanol | 1000 ug/mL |
| | | | | | | | n-Butyl acetate | 100 ug/mL |
| | | | | | | | n-Heptane | 50 ug/mL |
| | | | | | | | Propionitrile | 100 ug/mL |
| | | | | | | | Tert-amyl methyl ether | 50 ug/mL |
| | | | | | | | Tert-butyl ethyl ether | 50 ug/mL |
| **VMCGAS_00107** | 02/05/13 | 01/29/13 | MEOH, Lot 124454 | 10 mL | VMDWM544_00012 | 250 uL | Bromomethane | 50 ug/mL |
| | | | | | | | Chloroethane | 50 ug/mL |
| | | | | | | | Chloromethane | 50 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL |
| | | | | | | | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| .VMDWM544_00012 | 06/30/15 | ULTRA, Lot CJ-1658 | | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| **VMCGAS_00108** | 02/12/13 | 02/05/13 | MEOH, Lot 124454 | 10 mL | VMDWM544_00012 | 250 uL | Bromomethane | 50 ug/mL |
| | | | | | | | Chloroethane | 50 ug/mL |
| | | | | | | | Chloromethane | 50 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL |
| | | | | | | | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| .VMDWM544_00012 | 06/30/15 | ULTRA, Lot CJ-1658 | | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| **VMCGAS_00109** | 02/13/13 | 02/06/13 | MEOH, Lot 124454 | 10 mL | VMDWM544_00012 | 250 uL | Bromomethane | 50 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Chloroethane | 50 ug/mL |
| | | | | | | | Chloromethane | 50 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL |
| | | | | | | | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| .VMDWM544_00012 | 06/30/15 | | ULTRA, Lot CJ-1658 | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| **VMFASWS_00129** | 02/05/13 | 01/29/13 | MEOH, Lot na | 3 mL | VMFAS_00035 | 3 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | | | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| .VMFAS_00035 | 02/21/13 | 01/21/13 | MEOH, Lot 124454 | 100 mL | VM48799U_00010 | 1.25 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | VM556005_00011 | 1 mL | 1,1,1-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | VM861149_00019 | 2.5 mL | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| ..VM48799U_00010 | 06/30/13 | | Supelco, Lot LB91213 | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| ..VM556005_00011 | 05/31/13 | | Restek, Lot A085142 | | (Purchased Reagent) | | 1,1,1-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 2500 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 2500 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | Benzene | 2500 ug/mL |
| | | | | | | | Bromoform | 2500 ug/mL |
| | | | | | | | Carbon disulfide | 2500 ug/mL |
| | | | | | | | Carbon tetrachloride | 2500 ug/mL |
| | | | | | | | Chlorobenzene | 2500 ug/mL |
| | | | | | | | Chlorodibromomethane | 2500 ug/mL |
| | | | | | | | Chloroform | 2500 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Cyclohexane | 2500 ug/mL |
| | | | | | | | Dichlorobromomethane | 2500 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Ethylbenzene | 2500 ug/mL |
| | | | | | | | Ethylene Dibromide | 2500 ug/mL |
| | | | | | | | Isopropylbenzene | 2500 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 5000 ug/mL |
| | | | | | | | Methyl acetate | 2500 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 2500 ug/mL |
| | | | | | | | Methylcyclohexane | 2500 ug/mL |
| | | | | | | | Methylene Chloride | 2500 ug/mL |
| | | | | | | | o-Xylene | 2500 ug/mL |
| | | | | | | | Styrene | 2500 ug/mL |
| | | | | | | | Tetrachloroethene | 2500 ug/mL |
| | | | | | | | Toluene | 2500 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Trichloroethene | 2500 ug/mL |
| | | | | | | | Xylenes, Total | 7500 ug/mL |
| ..VM861149_00019 | 11/30/13 | | Supelco, Lot LB85301 | | (Purchased Reagent) | | 2-Butanone (MEK) | 2000 ug/mL |
| | | | | | | | 2-Hexanone | 2000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 2000 ug/mL |
| | | | | | | | Acetone | 2000 ug/mL |
| **VMFASWS_00130** | 02/12/13 | 02/05/13 | MEOH, Lot na | 3 mL | VMFAS_00035 | 3 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | | | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| .VMFAS_00035 | 02/21/13 | 01/21/13 | MEOH, Lot 124454 | 100 mL | VM48799U_00010 | 1.25 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | VM556005_00011 | 1 mL | 1,1,1-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | VM861149_00019 | 2.5 mL | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| ..VM48799U_00010 | 06/30/13 | | Supelco, Lot LB91213 | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| ..VM556005_00011 | 05/31/13 | | Restek, Lot A085142 | | (Purchased Reagent) | | 1,1,1-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 2500 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 2500 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | Benzene | 2500 ug/mL |
| | | | | | | | Bromoform | 2500 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Carbon disulfide | 2500 ug/mL |
| | | | | | | | Carbon tetrachloride | 2500 ug/mL |
| | | | | | | | Chlorobenzene | 2500 ug/mL |
| | | | | | | | Chlorodibromomethane | 2500 ug/mL |
| | | | | | | | Chloroform | 2500 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Cyclohexane | 2500 ug/mL |
| | | | | | | | Dichlorobromomethane | 2500 ug/mL |
| | | | | | | | Ethylbenzene | 2500 ug/mL |
| | | | | | | | Ethylene Dibromide | 2500 ug/mL |
| | | | | | | | Isopropylbenzene | 2500 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 5000 ug/mL |
| | | | | | | | Methyl acetate | 2500 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 2500 ug/mL |
| | | | | | | | Methylcyclohexane | 2500 ug/mL |
| | | | | | | | Methylene Chloride | 2500 ug/mL |
| | | | | | | | o-Xylene | 2500 ug/mL |
| | | | | | | | Styrene | 2500 ug/mL |
| | | | | | | | Tetrachloroethene | 2500 ug/mL |
| | | | | | | | Toluene | 2500 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Trichloroethene | 2500 ug/mL |
| | | | | | | | Xylenes, Total | 7500 ug/mL |
| ..VM861149_00019 | 11/30/13 | | Supelco, Lot LB85301 | | (Purchased Reagent) | | 2-Butanone (MEK) | 2000 ug/mL |
| | | | | | | | 2-Hexanone | 2000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 2000 ug/mL |
| | | | | | | | Acetone | 2000 ug/mL |
| **VMPRIMARY_00164** | 02/04/13 | 01/28/13 | MEOH, Lot na | 1 mL | VMCUS7814_00020 | 1 mL | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dioxane | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 1000 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorobromomethane | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethyl methacrylate | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Hexane | 50 ug/mL |
| | | | | | | | Iodomethane | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | Naphthalene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | tert-Butylbenzene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Tetrahydrofuran | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | trans-1,4-Dichloro-2-butene | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Trichloroethene | 50 ug/mL |
| .VMCUS7814_00020 | 02/28/14 | | Ultra Scientific, Lot CJ-0210 | | (Purchased Reagent) | | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dioxane | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 1000 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorobromomethane | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethyl methacrylate | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Hexane | 50 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Iodomethane | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | Naphthalene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | tert-Butylbenzene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Tetrahydrofuran | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | trans-1,4-Dichloro-2-butene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| **VMPRIMARY_00166** | 02/12/13 | 02/05/13 | MEOH, Lot na | 1 mL | VMCUS7814_00021 | 1 mL | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dioxane | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 1000 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorobromomethane | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethyl methacrylate | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Hexane | 50 ug/mL |
| | | | | | | | Iodomethane | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | Naphthalene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | tert-Butylbenzene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Tetrahydrofuran | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | trans-1,4-Dichloro-2-butene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| | | | | | | | Xylenes, Total | 150 ug/mL |
| .VMCUS7814_00021 | 01/31/15 | | Ultra Scientific, Lot CJ-4366 | | (Purchased Reagent) | | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dioxane | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 1000 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorobromomethane | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethyl methacrylate | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Hexane | 50 ug/mL |
| | | | | | | | Iodomethane | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | Naphthalene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | tert-Butylbenzene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Tetrahydrofuran | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | trans-1,4-Dichloro-2-butene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| | | | | | | | Xylenes, Total | 150 ug/mL |
| **VMSUPPW_00111** | 01/31/13 | 01/29/13 | MEOH, Lot na | 1 mL | VMSUPP_00018 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Vinyl acetate | 50 ug/mL |
| | | | | | | | Acetonitrile | 500 ug/mL |
| | | | | | | | Acrolein | 500 ug/mL |
| | | | | | | | Acrylonitrile | 100 ug/mL |
| | | | | | | | 2-Chloroethyl vinyl ether | 100 ug/mL |
| .VMSUPP_00018 | 01/31/13 | 09/27/12 | MEOH, Lot 123279 | 50 mL | VM30006_00004 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | VMCU5013_00008 | 1 mL | Methyl acetate | 50 ug/mL |
| | | | | | | | Vinyl acetate | 50 ug/mL |
| | | | | | VMCUS8634_00007 | 1 mL | Acetonitrile | 500 ug/mL |
| | | | | | | | Acrolein | 500 ug/mL |
| | | | | | | | Acrylonitrile | 100 ug/mL |
| | | | | | VMEPA1016_00003 | 1 mL | 2-Chloroethyl vinyl ether | 100 ug/mL |
| ..VM30006_00004 | 11/30/13 | Restek, Lot A076449 | | | (Purchased Reagent) | | 2-Butanone (MEK) | 5000 ug/mL |
| | | | | | | | 2-Hexanone | 5000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 5000 ug/mL |
| | | | | | | | Acetone | 5000 ug/mL |
| ..VMCU5013_00008 | 01/31/13 | Ultra, Lot CJ-3443 | | | (Purchased Reagent) | | Methyl acetate | 2500 ug/mL |
| | | | | | | | Vinyl acetate | 2500 ug/mL |
| ..VMCUS8634_00007 | 01/31/13 | Ultra, Lot CJ-3453 | | | (Purchased Reagent) | | Acetonitrile | 25000 ug/mL |
| | | | | | | | Acrolein | 25000 ug/mL |
| | | | | | | | Acrylonitrile | 5000 ug/mL |
| ..VMEPA1016_00003 | 04/30/13 | Ultra, Lot CG-0850 | | | (Purchased Reagent) | | 2-Chloroethyl vinyl ether | 5000 ug/mL |
| **VMSUPPW_00113** | 02/12/13 | 02/05/13 | MEOH, Lot na | 1 mL | VMSUPP_00019 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Vinyl acetate | 50 ug/mL |
| | | | | | | | Acetonitrile | 500 ug/mL |
| | | | | | | | Acrolein | 500 ug/mL |
| | | | | | | | Acrylonitrile | 100 ug/mL |
| | | | | | | | 2-Chloroethyl vinyl ether | 100 ug/mL |
| .VMSUPP_00019 | 04/30/13 | 01/31/13 | MEOH, Lot 124454 | 50 mL | VM30006_00004 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | VMCU5013_00009 | 1 mL | Methyl acetate | 50 ug/mL |
| | | | | | | | Vinyl acetate | 50 ug/mL |
| | | | | | VMCUS8634_00008 | 1 mL | Acetonitrile | 500 ug/mL |
| | | | | | | | Acrolein | 500 ug/mL |
| | | | | | | | Acrylonitrile | 100 ug/mL |
| | | | | | VMEPA1016_00006 | 1 mL | 2-Chloroethyl vinyl ether | 100 ug/mL |
| ..VM30006_00004 | 11/30/13 | Restek, Lot A076449 | | | (Purchased Reagent) | | 2-Butanone (MEK) | 5000 ug/mL |
| | | | | | | | 2-Hexanone | 5000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 5000 ug/mL |
| | | | | | | | Acetone | 5000 ug/mL |
| ..VMCU5013_00009 | 05/31/13 | Ultra, Lot CK-0277 | | | (Purchased Reagent) | | Methyl acetate | 2500 ug/mL |
| | | | | | | | Vinyl acetate | 2500 ug/mL |
| ..VMCUS8634_00008 | 05/31/13 | Ultra, Lot CK-0228 | | | (Purchased Reagent) | | Acetonitrile | 25000 ug/mL |
| | | | | | | | Acrolein | 25000 ug/mL |
| | | | | | | | Acrylonitrile | 5000 ug/mL |
| ..VMEPA1016_00006 | 06/30/14 | Ultra, Lot CG-0850A | | | (Purchased Reagent) | | 2-Chloroethyl vinyl ether | 5000 ug/mL |
| **VMUX8SS_00008** | 06/11/13 | 12/11/12 | MEOH, Lot 123279 | 100 mL | VMCUS8125_00005 | 866 uL | 1,2-Dichloroethane-d4 (Surr) | 216.5 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 216.5 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 216.5 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 216.5 ug/mL |
| .VMCUS8125_00005 | 10/31/14 | Ultra Scientific, Lot CG-3334 | | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 25000 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 25000 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 25000 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 25000 ug/mL |
| **WC LCS_00005** | 06/03/13 | 12/03/12 | DIWATER, Lot 12/3/2012 | 1 L | WCTOCLCS_00016 | 500 mL | Total Organic Carbon | 24.05 mg/L |
| .WCTOCLCS_00016 | 06/30/14 | ERA, Lot Q031-516 | | | (Purchased Reagent) | | Total Organic Carbon | 48.1 mg/L |
| **WC TOC CCV_00119** | 02/18/13 | 02/11/13 | DIWATER, Lot 10/25/2012 | 250 mL | WCCARBON1000_00015 | 6.25 mL | Total Organic Carbon | 25 mg/L |
| .WCCARBON1000_00015 | 08/03/14 | LABCHEM, Lot B215-056 | | | (Purchased Reagent) | | Total Organic Carbon | 1000 mg/L |
| **WCALKMSMSD_00005** | 09/30/15 | HACH, Lot A2257 | | | (Purchased Reagent) | | Alkalinity | 25000 mg/L |
| **WCCHLORIDESEC_00002** | 01/13/14 | LABCHEM, Lot B012-08 | | | (Purchased Reagent) | | Chloride | 1000 mg/L |
| **WCCLCCV.1_00060** | 03/05/13 | 02/05/13 | DIWATER, Lot 02/05/13 | 100 mL | WCCHLORIDESEC_00002 | 2.5 mL | Chloride | 25 mg/L |
| .WCCHLORIDESEC_00002 | 01/13/14 | LABCHEM, Lot B012-08 | | | (Purchased Reagent) | | Chloride | 1000 mg/L |
| **WCICCALSOLN_00081** | 03/01/13 | 12/13/12 | ELUENT, Lot 770747 | 20 mL | WCICSOLNA1_00007 | 1.6 mL | Nitrate as N | 10 mg/L |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Orthophosphate | 10 mg/L |
| | | | | | WCICSOLNB1_00007 | 1.6 mL | Nitrite as N | 10 mg/L |
| .WCICSOLNA1_00007 | 03/01/13 | Inorganic Ventures, Lot F2-MEB410035 | | | (Purchased Reagent) | | Nitrate as N | 125 ug/mL |
| | | | | | | | Orthophosphate | 125 ug/mL |
| .WCICSOLNB1_00007 | 03/01/13 | Inorganic Ventures, Lot F2-MEB411043 | | | (Purchased Reagent) | | Nitrite as N | 125 ug/mL |
| **WCICCCV_00236** | 02/13/13 | 02/06/13 | ELUENT, Lot 834861 | 100 mL | WCICSOLNA1_00007 | 2 mL | Nitrate as N | 2.5 mg/L |
| .WCICSOLNA1_00007 | 03/01/13 | Inorganic Ventures, Lot F2-MEB410035 | | | (Purchased Reagent) | | Nitrate as N | 125 ug/mL |
| **WCICLCS_00144** | 12/20/12 | 12/13/12 | ELUENT, Lot 770747 | 100 mL | WCICSOLNA2_00008 | 10 mL | Nitrate as N | 2.5 mg/L |
| .WCICSOLNA2_00008 | 10/08/13 | High Purity Standards, Lot 1227707 | | | (Purchased Reagent) | | Nitrate as N | 25 ug/mL |
| **WCICLCS_00159** | 02/13/13 | 02/06/13 | ELUENT, Lot 834861 | 100 mL | WCICSOLNA2_00008 | 10 mL | Nitrate as N | 2.5 mg/L |
| .WCICSOLNA2_00008 | 10/08/13 | High Purity Standards, Lot 1227707 | | | (Purchased Reagent) | | Nitrate as N | 25 ug/mL |
| **WCICSOLNA1_00007** | 03/01/13 | Inorganic Ventures, Lot F2-MEB410035 | | | (Purchased Reagent) | | Nitrate as N | 125 ug/mL |
| **WCPHENOMINER_00001** | 07/31/15 | PHENOVA-WIBBY, Lot 8124-08 | | | (Purchased Reagent) | | Alkalinity | 39.8 mg/L |
| **WCSULFATESTD_00002** | 10/21/13 | LAB CHEM, Lot A293-02 | | | (Purchased Reagent) | | Sulfate | 1000 mg/L |
| **WCSULFIDELCS_00350** | 03/05/13 | 02/05/13 | DIWATER, Lot 02/05/13 | 250 mL | WCNA SULFIDE_00320 | 3.5 g | Sulfide | 1759.53 mg/L |
| .WCNA SULFIDE_00320 | 02/17/15 | FISHER SCIENTIFIC, Lot 090515 | | | (Purchased Reagent) | | Sulfide | 0.125681 g/g |
| **WCWIBBYMINERA_00002** | 02/27/15 | WIBBY, Lot 8119-08 | | | (Purchased Reagent) | | Sulfate | 91.1 mg/L |

# Certification Summary

Client: Cardinal Resources
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|---|---|---|---|---|
| TestAmerica Canton | California | NELAP | 9 | 01144CA |
| TestAmerica Canton | Connecticut | State Program | 1 | PH-0590 |
| TestAmerica Canton | Florida | NELAP | 4 | E87225 |
| TestAmerica Canton | Georgia | State Program | 4 | N/A |
| TestAmerica Canton | Illinois | NELAP | 5 | 200004 |
| TestAmerica Canton | Kansas | NELAP | 7 | E-10336 |
| TestAmerica Canton | Kentucky | State Program | 4 | 58 |
| TestAmerica Canton | L-A-B | DoD ELAP | | L2315 |
| TestAmerica Canton | Nevada | State Program | 9 | OH-000482008A |
| TestAmerica Canton | New Jersey | NELAP | 2 | OH001 |
| TestAmerica Canton | New York | NELAP | 2 | 10975 |
| TestAmerica Canton | Ohio VAP | State Program | 5 | CL0024 |
| TestAmerica Canton | Pennsylvania | NELAP | 3 | 68-00340 |
| TestAmerica Canton | Texas | NELAP | 6 | |
| TestAmerica Canton | USDA | Federal | | P330-11-00328 |
| TestAmerica Canton | Virginia | NELAP | 3 | 460175 |
| TestAmerica Canton | Wisconsin | State Program | 5 | 999518190 |

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

# Method 8260B

## Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | DBFM # | DCA # | TOL # | BFB # |
|---|---|---|---|---|---|
| SED-2 | 240-20760-4 | 92 | 83 | 116 | 68 |
| SED-1 | 240-20760-5 | 95 | 87 | 110 | 76 |
| SED-DUP | 240-20760-6 | 91 | 88 | 104 | 80 |
| | MB 240-74675/7 | 94 | 90 | 99 | 95 |
| | LCS 240-74675/6 | 96 | 92 | 100 | 97 |
| SED-2 MS | 240-20760-4 MS | 92 | 79 | 117 | 68 |
| SED-2 MSD | 240-20760-4 MSD | 94 | 82 | 119 | 70 |

| | QC LIMITS |
|---|---|
| DBFM = Dibromofluoromethane (Surr) | 37-132 |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 58-123 |
| TOL = Toluene-d8 (Surr) | 67-125 |
| BFB = 4-Bromofluorobenzene (Surr) | 52-136 |

# Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | DBFM # | DCA # | TOL # | BFB # |
|---|---|---|---|---|---|
| SW-2 | 240-20760-1 | 99 | 101 | 89 | 81 |
| SW-1 | 240-20760-2 | 105 | 108 | 96 | 86 |
| SW-DUP | 240-20760-3 | 95 | 100 | 87 | 80 |
| TRIP BLANK1 | 240-20760-7 | 98 | 98 | 90 | 80 |
| OW-2 | 240-20760-8 | 96 | 96 | 87 | 78 |
| FIELD BLANK1 | 240-20760-9 | 95 | 98 | 88 | 79 |
| OW-6 | 240-20760-10 | 102 | 104 | 92 | 83 |
| OW-8 | 240-20760-11 | 98 | 104 | 94 | 83 |
| OW-5 | 240-20760-12 | 97 | 99 | 86 | 78 |
| | MB 240-74898/5 | 94 | 94 | 87 | 79 |
| | MB 240-75030/5 | 93 | 98 | 89 | 82 |
| | LCS 240-74898/4 | 94 | 92 | 94 | 95 |
| | LCS 240-75030/4 | 94 | 94 | 97 | 98 |
| SW-2 MS | 240-20760-1 MS | 92 | 90 | 94 | 95 |
| OW-5 MS | 240-20760-12 MS | 93 | 92 | 95 | 96 |
| SW-2 MSD | 240-20760-1 MSD | 93 | 92 | 92 | 93 |
| OW-5 MSD | 240-20760-12 MSD | 95 | 91 | 93 | 97 |

| | QC LIMITS |
|---|---|
| DBFM = Dibromofluoromethane (Surr) | 75-121 |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 63-129 |
| TOL = Toluene-d8 (Surr) | 74-115 |
| BFB = 4-Bromofluorobenzene (Surr) | 66-117 |

# Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX83293.D

Lab ID: LCS 240-74675/6 Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Acetone | 50.0 | 48.5 | 97 | 41-137 | |
| Benzene | 25.0 | 25.3 | 101 | 79-112 | |
| Dichlorobromomethane | 25.0 | 26.7 | 107 | 84-122 | |
| Bromoform | 25.0 | 24.9 | 100 | 62-133 | |
| Bromomethane | 25.0 | 25.2 | 101 | 42-136 | |
| 2-Butanone (MEK) | 50.0 | 50.0 | 100 | 52-131 | |
| Carbon disulfide | 25.0 | 26.9 | 108 | 62-146 | |
| Carbon tetrachloride | 25.0 | 26.3 | 105 | 71-129 | |
| Chlorobenzene | 25.0 | 24.7 | 99 | 78-110 | |
| Chloroethane | 25.0 | 24.9 | 100 | 58-117 | |
| Chloroform | 25.0 | 25.2 | 101 | 77-114 | |
| Chloromethane | 25.0 | 26.8 | 107 | 50-110 | |
| 1,1-Dichloroethane | 25.0 | 25.6 | 102 | 76-115 | |
| 1,2-Dichloroethane | 25.0 | 25.2 | 101 | 72-120 | |
| 1,1-Dichloroethene | 25.0 | 27.4 | 110 | 75-135 | |
| 1,2-Dichloropropane | 25.0 | 25.6 | 102 | 87-113 | |
| cis-1,3-Dichloropropene | 25.0 | 25.3 | 101 | 74-128 | |
| trans-1,3-Dichloropropene | 25.0 | 24.8 | 99 | 73-131 | |
| Ethylbenzene | 25.0 | 24.7 | 99 | 79-117 | |
| 2-Hexanone | 50.0 | 50.1 | 100 | 64-136 | |
| Methylene Chloride | 25.0 | 24.6 | 98 | 75-118 | |
| 4-Methyl-2-pentanone (MIBK) | 50.0 | 52.2 | 104 | 67-135 | |
| Styrene | 25.0 | 26.6 | 107 | 87-117 | |
| 1,1,2,2-Tetrachloroethane | 25.0 | 25.0 | 100 | 77-123 | |
| Tetrachloroethene | 25.0 | 26.3 | 105 | 79-114 | |
| Toluene | 25.0 | 24.9 | 100 | 75-111 | |
| Trichloroethene | 25.0 | 25.4 | 102 | 79-113 | |
| Vinyl chloride | 25.0 | 25.5 | 102 | 57-114 | |
| Xylenes, Total | 75.0 | 77.7 | 104 | 80-118 | |
| 1,1,1-Trichloroethane | 25.0 | 26.1 | 104 | 77-126 | |
| 1,1,2-Trichloroethane | 25.0 | 25.8 | 103 | 83-112 | |
| Cyclohexane | 25.0 | 24.1 | 96 | 66-110 | |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 23.3 | 93 | 61-132 | |
| Ethylene Dibromide | 25.0 | 26.0 | 104 | 83-117 | |
| Dichlorodifluoromethane | 25.0 | 26.1 | 104 | 26-113 | |
| cis-1,2-Dichloroethene | 25.0 | 25.3 | 101 | 76-113 | |
| trans-1,2-Dichloroethene | 25.0 | 25.9 | 104 | 78-117 | |
| Isopropylbenzene | 25.0 | 25.6 | 102 | 76-122 | |
| Methyl acetate | 25.0 | 25.3 | 101 | 57-130 | |
| Methyl tert-butyl ether | 25.0 | 25.4 | 102 | 49-165 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 26.7 | 107 | 82-138 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX83293.D

Lab ID: LCS 240-74675/6 Client ID:

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 25.0 | 20.9 | 84 | 64-124 | |
| 1,2-Dichlorobenzene | 25.0 | 23.5 | 94 | 76-110 | |
| 1,3-Dichlorobenzene | 25.0 | 24.3 | 97 | 78-111 | |
| 1,4-Dichlorobenzene | 25.0 | 23.7 | 95 | 75-110 | |
| Trichlorofluoromethane | 25.0 | 29.5 | 118 | 57-146 | |
| Chlorodibromomethane | 25.0 | 26.2 | 105 | 72-127 | |
| Methylcyclohexane | 25.0 | 25.9 | 104 | 70-126 | |
| m-Xylene & p-Xylene | 50.0 | 51.3 | 103 | 80-117 | |
| o-Xylene | 25.0 | 26.4 | 105 | 80-120 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6295.D

Lab ID: LCS 240-74898/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Acetone | 20.0 | 18.3 | 92 | 43-136 | |
| Benzene | 10.0 | 9.71 | 97 | 83-112 | |
| Dichlorobromomethane | 10.0 | 9.78 | 98 | 72-121 | |
| Bromoform | 10.0 | 9.82 | 98 | 40-131 | |
| Bromomethane | 10.0 | 10.5 | 105 | 11-185 | |
| 2-Butanone (MEK) | 20.0 | 17.9 | 89 | 60-126 | |
| Carbon disulfide | 10.0 | 9.65 | 97 | 62-142 | |
| Carbon tetrachloride | 10.0 | 9.92 | 99 | 66-128 | |
| Chlorobenzene | 10.0 | 9.21 | 92 | 85-110 | |
| Chloroethane | 10.0 | 9.87 | 99 | 25-153 | |
| Chloroform | 10.0 | 9.30 | 93 | 79-117 | |
| Chloromethane | 10.0 | 10.0 | 100 | 44-126 | |
| 1,1-Dichloroethane | 10.0 | 9.49 | 95 | 82-115 | |
| 1,2-Dichloroethane | 10.0 | 9.41 | 94 | 71-127 | |
| 1,1-Dichloroethene | 10.0 | 10.8 | 108 | 78-131 | |
| 1,2-Dichloropropane | 10.0 | 9.74 | 97 | 81-115 | |
| cis-1,3-Dichloropropene | 10.0 | 9.11 | 91 | 61-115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.05 | 90 | 58-117 | |
| Ethylbenzene | 10.0 | 9.52 | 95 | 83-112 | |
| 2-Hexanone | 20.0 | 18.2 | 91 | 55-133 | |
| Methylene Chloride | 10.0 | 9.60 | 96 | 66-131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 18.7 | 93 | 63-128 | |
| Styrene | 10.0 | 9.75 | 97 | 79-114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.24 | 92 | 68-118 | |
| Tetrachloroethene | 10.0 | 9.34 | 93 | 79-114 | |
| Toluene | 10.0 | 9.31 | 93 | 84-111 | |
| Trichloroethene | 10.0 | 9.56 | 96 | 76-117 | |
| Vinyl chloride | 10.0 | 10.2 | 102 | 53-127 | |
| Xylenes, Total | 30.0 | 28.7 | 96 | 83-112 | |
| 1,1,1-Trichloroethane | 10.0 | 8.95 | 90 | 74-118 | |
| 1,1,2-Trichloroethane | 10.0 | 9.74 | 97 | 80-112 | |
| Cyclohexane | 10.0 | 10.1 | 101 | 54-121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.26 | 83 | 42-136 | |
| Ethylene Dibromide | 10.0 | 9.55 | 95 | 79-113 | |
| Dichlorodifluoromethane | 10.0 | 10.5 | 105 | 19-129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.69 | 97 | 80-113 | |
| trans-1,2-Dichloroethene | 10.0 | 9.93 | 99 | 83-117 | |
| Isopropylbenzene | 10.0 | 9.36 | 94 | 75-114 | |
| Methyl acetate | 10.0 | ND | 87 | 58-131 | |
| Methyl tert-butyl ether | 10.0 | 8.76 | 88 | 52-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 14.9 | 149 | 74-151 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6295.D

Lab ID: LCS 240-74898/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | 6.76 | 68 | 48-135 | |
| 1,2-Dichlorobenzene | 10.0 | 9.07 | 91 | 81-110 | |
| 1,3-Dichlorobenzene | 10.0 | 9.30 | 93 | 80-110 | |
| 1,4-Dichlorobenzene | 10.0 | 9.00 | 90 | 82-110 | |
| Trichlorofluoromethane | 10.0 | 16.4 | 164 | 49-157 | * |
| Chlorodibromomethane | 10.0 | 9.58 | 96 | 64-119 | |
| Methylcyclohexane | 10.0 | 10.1 | 101 | 56-127 | |
| m-Xylene & p-Xylene | 20.0 | 19.2 | 96 | 83-113 | |
| o-Xylene | 10.0 | 9.46 | 95 | 83-113 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6321.D

Lab ID: LCS 240-75030/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Acetone | 20.0 | 20.2 | 101 | 43-136 | |
| Benzene | 10.0 | 10.1 | 101 | 83-112 | |
| Dichlorobromomethane | 10.0 | 10.0 | 100 | 72-121 | |
| Bromoform | 10.0 | 9.99 | 100 | 40-131 | |
| Bromomethane | 10.0 | 10.9 | 109 | 11-185 | |
| 2-Butanone (MEK) | 20.0 | 19.0 | 95 | 60-126 | |
| Carbon disulfide | 10.0 | 9.63 | 96 | 62-142 | |
| Carbon tetrachloride | 10.0 | 10.1 | 101 | 66-128 | |
| Chlorobenzene | 10.0 | 9.70 | 97 | 85-110 | |
| Chloroethane | 10.0 | 10.2 | 102 | 25-153 | |
| Chloroform | 10.0 | 9.54 | 95 | 79-117 | |
| Chloromethane | 10.0 | 9.90 | 99 | 44-126 | |
| 1,1-Dichloroethane | 10.0 | 9.78 | 98 | 82-115 | |
| 1,2-Dichloroethane | 10.0 | 9.83 | 98 | 71-127 | |
| 1,1-Dichloroethene | 10.0 | 10.5 | 105 | 78-131 | |
| 1,2-Dichloropropane | 10.0 | 9.97 | 100 | 81-115 | |
| cis-1,3-Dichloropropene | 10.0 | 9.03 | 90 | 61-115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.37 | 94 | 58-117 | |
| Ethylbenzene | 10.0 | 9.89 | 99 | 83-112 | |
| 2-Hexanone | 20.0 | 20.4 | 102 | 55-133 | |
| Methylene Chloride | 10.0 | 9.97 | 100 | 66-131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 19.7 | 98 | 63-128 | |
| Styrene | 10.0 | 10.2 | 102 | 79-114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.76 | 98 | 68-118 | |
| Tetrachloroethene | 10.0 | 9.41 | 94 | 79-114 | |
| Toluene | 10.0 | 9.58 | 96 | 84-111 | |
| Trichloroethene | 10.0 | 9.83 | 98 | 76-117 | |
| Vinyl chloride | 10.0 | 9.97 | 100 | 53-127 | |
| Xylenes, Total | 30.0 | 29.5 | 98 | 83-112 | |
| 1,1,1-Trichloroethane | 10.0 | 9.28 | 93 | 74-118 | |
| 1,1,2-Trichloroethane | 10.0 | 10.2 | 102 | 80-112 | |
| Cyclohexane | 10.0 | 9.68 | 97 | 54-121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.25 | 82 | 42-136 | |
| Ethylene Dibromide | 10.0 | 9.93 | 99 | 79-113 | |
| Dichlorodifluoromethane | 10.0 | 8.75 | 87 | 19-129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.95 | 99 | 80-113 | |
| trans-1,2-Dichloroethene | 10.0 | 10.2 | 102 | 83-117 | |
| Isopropylbenzene | 10.0 | 9.72 | 97 | 75-114 | |
| Methyl acetate | 10.0 | 10.1 | 101 | 58-131 | |
| Methyl tert-butyl ether | 10.0 | 9.08 | 91 | 52-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 14.1 | 141 | 74-151 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6321.D

Lab ID: LCS 240-75030/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | 7.12 | 71 | 48-135 | |
| 1,2-Dichlorobenzene | 10.0 | 9.41 | 94 | 81-110 | |
| 1,3-Dichlorobenzene | 10.0 | 9.44 | 94 | 80-110 | |
| 1,4-Dichlorobenzene | 10.0 | 9.25 | 93 | 82-110 | |
| Trichlorofluoromethane | 10.0 | 16.0 | 160 | 49-157 | * |
| Chlorodibromomethane | 10.0 | 9.67 | 97 | 64-119 | |
| Methylcyclohexane | 10.0 | 9.42 | 94 | 56-127 | |
| m-Xylene & p-Xylene | 20.0 | 19.6 | 98 | 83-113 | |
| o-Xylene | 10.0 | 9.89 | 99 | 83-113 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6317.D

Lab ID: 240-20760-1 MS Client ID: SW-2 MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Acetone | 20.0 | ND | 19.1 | 95 | 33-145 | |
| Benzene | 10.0 | ND | 9.85 | 98 | 72-121 | |
| Dichlorobromomethane | 10.0 | ND | 9.59 | 96 | 67-120 | |
| Bromoform | 10.0 | ND | 9.03 | 90 | 32-128 | |
| Bromomethane | 10.0 | ND | 9.95 | 100 | 10-186 | |
| 2-Butanone (MEK) | 20.0 | ND | 16.9 | 84 | 54-129 | |
| Carbon disulfide | 10.0 | ND | 9.94 | 99 | 57-147 | |
| Carbon tetrachloride | 10.0 | ND | 10.0 | 100 | 59-129 | |
| Chlorobenzene | 10.0 | ND | 9.41 | 94 | 80-110 | |
| Chloroethane | 10.0 | ND | 10.5 | 105 | 21-165 | |
| Chloroform | 10.0 | ND | 9.31 | 93 | 76-118 | |
| Chloromethane | 10.0 | ND | 9.42 | 94 | 33-132 | |
| 1,1-Dichloroethane | 10.0 | ND | 9.56 | 96 | 79-116 | |
| 1,2-Dichloroethane | 10.0 | ND | 9.66 | 97 | 68-129 | |
| 1,1-Dichloroethene | 10.0 | ND | 10.4 | 104 | 74-135 | |
| 1,2-Dichloropropane | 10.0 | ND | 9.85 | 98 | 78-115 | |
| cis-1,3-Dichloropropene | 10.0 | ND | 8.12 | 81 | 51-110 | |
| trans-1,3-Dichloropropene | 10.0 | ND | 8.53 | 85 | 46-116 | |
| Ethylbenzene | 10.0 | ND | 9.58 | 96 | 75-116 | |
| 2-Hexanone | 20.0 | ND | 16.9 | 85 | 47-139 | |
| Methylene Chloride | 10.0 | ND | 9.50 | 95 | 63-128 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | ND | 17.3 | 87 | 56-131 | |
| Styrene | 10.0 | ND | 10.0 | 100 | 71-117 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | ND | 8.90 | 89 | 63-122 | |
| Tetrachloroethene | 10.0 | ND | 9.20 | 92 | 70-117 | |
| Toluene | 10.0 | ND | 9.42 | 94 | 78-114 | |
| Trichloroethene | 10.0 | ND | 9.46 | 95 | 66-120 | |
| Vinyl chloride | 10.0 | ND | 10.2 | 102 | 49-130 | |
| Xylenes, Total | 30.0 | ND | 29.1 | 97 | 76-116 | |
| 1,1,1-Trichloroethane | 10.0 | ND | 9.11 | 91 | 68-121 | |
| 1,1,2-Trichloroethane | 10.0 | ND | 9.69 | 97 | 75-115 | |
| Cyclohexane | 10.0 | ND | 9.47 | 95 | 49-123 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | ND | 7.40 | 74 | 32-139 | |
| Ethylene Dibromide | 10.0 | ND | 9.26 | 93 | 74-113 | |
| Dichlorodifluoromethane | 10.0 | ND | 8.66 | 87 | 17-128 | |
| cis-1,2-Dichloroethene | 10.0 | ND | 9.68 | 97 | 70-120 | |
| trans-1,2-Dichloroethene | 10.0 | ND | 10.0 | 100 | 80-119 | |
| Isopropylbenzene | 10.0 | ND | 9.45 | 94 | 68-116 | |
| Methyl acetate | 10.0 | ND | ND | 69 | 47-130 | |
| Methyl tert-butyl ether | 10.0 | ND | 8.37 | 84 | 46-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | ND | 13.0 | 130 | 70-152 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6317.D

Lab ID: 240-20760-1 MS Client ID: SW-2 MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | ND | 6.06 | 61 | 38-138 | |
| 1,2-Dichlorobenzene | 10.0 | ND | 8.99 | 90 | 75-111 | |
| 1,3-Dichlorobenzene | 10.0 | ND | 8.97 | 90 | 73-110 | |
| 1,4-Dichlorobenzene | 10.0 | ND | 8.87 | 89 | 75-110 | |
| Trichlorofluoromethane | 10.0 | ND | 15.0 | 150 | 46-157 | |
| Chlorodibromomethane | 10.0 | ND | 9.36 | 94 | 56-118 | |
| Methylcyclohexane | 10.0 | ND | 8.84 | 88 | 49-127 | |
| m-Xylene & p-Xylene | 20.0 | ND | 19.5 | 98 | 75-117 | |
| o-Xylene | 10.0 | ND | 9.62 | 96 | 76-116 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX83308.D

Lab ID: 240-20760-4 MS Client ID: SED-2 MS

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Acetone | 375 | ND | 309 | 54 | 24-140 | |
| Benzene | 187 | ND | 203 | 108 | 53-118 | |
| Dichlorobromomethane | 187 | ND | 146 | 78 | 35-132 | |
| Bromoform | 187 | ND | 97.3 | 52 | 18-129 | |
| Bromomethane | 187 | ND | 160 | 85 | 33-130 | |
| 2-Butanone (MEK) | 375 | ND | 262 | 62 | 30-143 | |
| Carbon disulfide | 187 | ND | 176 | 94 | 20-151 | |
| Carbon tetrachloride | 187 | ND | 154 | 82 | 32-137 | |
| Chlorobenzene | 187 | ND | 194 | 103 | 37-116 | |
| Chloroethane | 187 | ND | 218 | 116 | 45-118 | |
| Chloroform | 187 | ND | 213 | 114 | 53-119 | |
| Chloromethane | 187 | ND | 209 | 112 | 34-117 | |
| 1,1-Dichloroethane | 187 | ND | 209 | 111 | 54-122 | |
| 1,2-Dichloroethane | 187 | ND | 175 | 93 | 49-123 | |
| 1,1-Dichloroethene | 187 | ND | 228 | 122 | 49-157 | |
| 1,2-Dichloropropane | 187 | ND | 191 | 102 | 61-117 | |
| cis-1,3-Dichloropropene | 187 | ND | 114 | 61 | 27-133 | |
| trans-1,3-Dichloropropene | 187 | ND | 144 | 77 | 28-137 | |
| Ethylbenzene | 187 | ND | 210 | 112 | 30-131 | |
| 2-Hexanone | 375 | ND | 256 | 68 | 37-147 | |
| Methylene Chloride | 187 | ND | 205 | 109 | 54-115 | |
| 4-Methyl-2-pentanone (MIBK) | 375 | ND | 245 | 65 | 43-147 | |
| Styrene | 187 | ND | 117 | 63 | 27-127 | |
| 1,1,2,2-Tetrachloroethane | 187 | ND | 252 | 135 | 16-179 | |
| Tetrachloroethene | 187 | ND | 230 | 123 | 31-135 | |
| Toluene | 187 | ND | 244 | 129 | 39-129 | |
| Trichloroethene | 187 | ND | 193 | 103 | 10-177 | |
| Vinyl chloride | 187 | ND | 226 | 121 | 42-117 | F |
| Xylenes, Total | 562 | ND | 638 | 114 | 30-131 | |
| 1,1,1-Trichloroethane | 187 | ND | 225 | 120 | 51-128 | |
| 1,1,2-Trichloroethane | 187 | ND | 203 | 109 | 10-166 | |
| Cyclohexane | 187 | ND | 187 | 100 | 28-118 | |
| 1,2-Dibromo-3-Chloropropane | 187 | ND | 144 | 77 | 10-153 | |
| Ethylene Dibromide | 187 | ND | 176 | 94 | 45-127 | |
| Dichlorodifluoromethane | 187 | ND | 243 | 130 | 17-115 | F |
| cis-1,2-Dichloroethene | 187 | ND | 199 | 106 | 50-119 | |
| trans-1,2-Dichloroethene | 187 | ND | 208 | 111 | 50-123 | |
| Isopropylbenzene | 187 | ND | 192 | 103 | 21-134 | |
| Methyl acetate | 187 | ND | 98.3 | 52 | 33-165 | |
| Methyl tert-butyl ether | 187 | ND | 169 | 90 | 51-157 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 187 | ND | 225 | 120 | 50-147 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX83308.D

Lab ID: 240-20760-4 MS Client ID: SED-2 MS

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 187 | ND | 64.1 | 34 | 10-111 | |
| 1,2-Dichlorobenzene | 187 | ND | 168 | 90 | 17-122 | |
| 1,3-Dichlorobenzene | 187 | ND | 202 | 108 | 16-126 | |
| 1,4-Dichlorobenzene | 187 | ND | 187 | 100 | 15-121 | |
| Trichlorofluoromethane | 187 | ND | 255 | 136 | 36-142 | |
| Methylcyclohexane | 187 | ND | 143 | 76 | 20-132 | |
| m-Xylene & p-Xylene | 375 | ND | 430 | 115 | 29-131 | |
| o-Xylene | 187 | ND | 208 | 111 | 29-134 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6338.D

Lab ID: 240-20760-12 MS Client ID: OW-5 MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Acetone | 20.0 | ND | 18.3 | 92 | 33-145 | |
| Benzene | 10.0 | ND | 9.96 | 98 | 72-121 | |
| Dichlorobromomethane | 10.0 | ND | 9.67 | 97 | 67-120 | |
| Bromoform | 10.0 | ND | 8.77 | 88 | 32-128 | |
| Bromomethane | 10.0 | ND | 9.93 | 99 | 10-186 | |
| 2-Butanone (MEK) | 20.0 | ND | 16.7 | 84 | 54-129 | |
| Carbon disulfide | 10.0 | ND | 9.66 | 97 | 57-147 | |
| Carbon tetrachloride | 10.0 | ND | 10.0 | 100 | 59-129 | |
| Chlorobenzene | 10.0 | ND | 9.32 | 93 | 80-110 | |
| Chloroethane | 10.0 | ND | 10.2 | 102 | 21-165 | |
| Chloroform | 10.0 | ND | 9.53 | 95 | 76-118 | |
| Chloromethane | 10.0 | ND | 9.85 | 98 | 33-132 | |
| 1,1-Dichloroethane | 10.0 | ND | 9.67 | 97 | 79-116 | |
| 1,2-Dichloroethane | 10.0 | ND | 9.70 | 97 | 68-129 | |
| 1,1-Dichloroethene | 10.0 | ND | 10.4 | 104 | 74-135 | |
| 1,2-Dichloropropane | 10.0 | ND | 9.61 | 96 | 78-115 | |
| cis-1,3-Dichloropropene | 10.0 | ND | 7.83 | 78 | 51-110 | |
| trans-1,3-Dichloropropene | 10.0 | ND | 8.36 | 84 | 46-116 | |
| Ethylbenzene | 10.0 | ND | 9.44 | 94 | 75-116 | |
| 2-Hexanone | 20.0 | ND | 17.2 | 86 | 47-139 | |
| Methylene Chloride | 10.0 | ND | 9.67 | 97 | 63-128 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | ND | 17.0 | 85 | 56-131 | |
| Styrene | 10.0 | ND | 9.98 | 100 | 71-117 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | ND | 9.00 | 90 | 63-122 | |
| Tetrachloroethene | 10.0 | 1.5 | 10.7 | 92 | 70-117 | |
| Toluene | 10.0 | ND | 9.42 | 94 | 78-114 | |
| Trichloroethene | 10.0 | ND | 10.1 | 95 | 66-120 | |
| Vinyl chloride | 10.0 | ND | 10.3 | 103 | 49-130 | |
| Xylenes, Total | 30.0 | ND | 29.1 | 97 | 76-116 | |
| 1,1,1-Trichloroethane | 10.0 | ND | 9.27 | 93 | 68-121 | |
| 1,1,2-Trichloroethane | 10.0 | ND | 9.70 | 97 | 75-115 | |
| Cyclohexane | 10.0 | ND | 9.55 | 96 | 49-123 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | ND | 7.33 | 73 | 32-139 | |
| Ethylene Dibromide | 10.0 | ND | 9.25 | 93 | 74-113 | |
| Dichlorodifluoromethane | 10.0 | ND | 8.27 | 83 | 17-128 | |
| cis-1,2-Dichloroethene | 10.0 | 1.3 | 11.0 | 97 | 70-120 | |
| trans-1,2-Dichloroethene | 10.0 | ND | 10.2 | 102 | 80-119 | |
| Isopropylbenzene | 10.0 | ND | 9.41 | 94 | 68-116 | |
| Methyl acetate | 10.0 | ND | ND | 77 | 47-130 | |
| Methyl tert-butyl ether | 10.0 | ND | 8.26 | 83 | 46-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | ND | 13.6 | 136 | 70-152 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6338.D

Lab ID: 240-20760-12 MS Client ID: OW-5 MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | ND | 6.39 | 64 | 38-138 | |
| 1,2-Dichlorobenzene | 10.0 | ND | 8.99 | 90 | 75-111 | |
| 1,3-Dichlorobenzene | 10.0 | ND | 9.10 | 91 | 73-110 | |
| 1,4-Dichlorobenzene | 10.0 | ND | 8.94 | 89 | 75-110 | |
| Trichlorofluoromethane | 10.0 | ND | 16.4 | 164 | 46-157 | F |
| Chlorodibromomethane | 10.0 | ND | 9.06 | 91 | 56-118 | |
| Methylcyclohexane | 10.0 | ND | 9.02 | 90 | 49-127 | |
| m-Xylene & p-Xylene | 20.0 | ND | 19.4 | 97 | 75-117 | |
| o-Xylene | 10.0 | ND | 9.70 | 97 | 76-116 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6318.D

Lab ID: 240-20760-1 MSD Client ID: SW-2 MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Acetone | 20.0 | 18.6 | 93 | 2 | 30 | 33-145 | |
| Benzene | 10.0 | 10.0 | 100 | 2 | 30 | 72-121 | |
| Dichlorobromomethane | 10.0 | 9.75 | 98 | 2 | 30 | 67-120 | |
| Bromoform | 10.0 | 9.01 | 90 | 0 | 30 | 32-128 | |
| Bromomethane | 10.0 | 9.95 | 99 | 0 | 30 | 10-186 | |
| 2-Butanone (MEK) | 20.0 | 17.9 | 90 | 6 | 30 | 54-129 | |
| Carbon disulfide | 10.0 | 9.87 | 99 | 1 | 30 | 57-147 | |
| Carbon tetrachloride | 10.0 | 10.3 | 103 | 3 | 30 | 59-129 | |
| Chlorobenzene | 10.0 | 9.33 | 93 | 1 | 30 | 80-110 | |
| Chloroethane | 10.0 | 10.1 | 101 | 4 | 30 | 21-165 | |
| Chloroform | 10.0 | 9.48 | 95 | 2 | 30 | 76-118 | |
| Chloromethane | 10.0 | 9.63 | 96 | 2 | 30 | 33-132 | |
| 1,1-Dichloroethane | 10.0 | 9.68 | 97 | 1 | 30 | 79-116 | |
| 1,2-Dichloroethane | 10.0 | 9.55 | 95 | 1 | 30 | 68-129 | |
| 1,1-Dichloroethene | 10.0 | 10.6 | 106 | 2 | 30 | 74-135 | |
| 1,2-Dichloropropane | 10.0 | 9.84 | 98 | 0 | 30 | 78-115 | |
| cis-1,3-Dichloropropene | 10.0 | 8.43 | 84 | 4 | 30 | 51-110 | |
| trans-1,3-Dichloropropene | 10.0 | 8.61 | 86 | 1 | 30 | 46-116 | |
| Ethylbenzene | 10.0 | 9.39 | 94 | 2 | 30 | 75-116 | |
| 2-Hexanone | 20.0 | 17.7 | 88 | 4 | 30 | 47-139 | |
| Methylene Chloride | 10.0 | 9.62 | 96 | 1 | 30 | 63-128 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 18.0 | 90 | 4 | 30 | 56-131 | |
| Styrene | 10.0 | 9.74 | 97 | 3 | 30 | 71-117 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.23 | 92 | 4 | 30 | 63-122 | |
| Tetrachloroethene | 10.0 | 9.10 | 91 | 1 | 30 | 70-117 | |
| Toluene | 10.0 | 9.25 | 93 | 2 | 30 | 78-114 | |
| Trichloroethene | 10.0 | 9.51 | 95 | 0 | 30 | 66-120 | |
| Vinyl chloride | 10.0 | 10.4 | 104 | 1 | 30 | 49-130 | |
| Xylenes, Total | 30.0 | 28.3 | 94 | 3 | 30 | 76-116 | |
| 1,1,1-Trichloroethane | 10.0 | 9.33 | 93 | 2 | 30 | 68-121 | |
| 1,1,2-Trichloroethane | 10.0 | 9.57 | 96 | 1 | 30 | 75-115 | |
| Cyclohexane | 10.0 | 9.73 | 97 | 3 | 30 | 49-123 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 7.91 | 79 | 7 | 30 | 32-139 | |
| Ethylene Dibromide | 10.0 | 9.38 | 94 | 1 | 30 | 74-113 | |
| Dichlorodifluoromethane | 10.0 | 8.83 | 88 | 2 | 30 | 17-128 | |
| cis-1,2-Dichloroethene | 10.0 | 9.68 | 97 | 0 | 30 | 70-120 | |
| trans-1,2-Dichloroethene | 10.0 | 10.2 | 102 | 2 | 30 | 80-119 | |
| Isopropylbenzene | 10.0 | 9.29 | 93 | 2 | 30 | 68-116 | |
| Methyl acetate | 10.0 | ND | 73 | 6 | 30 | 47-130 | |
| Methyl tert-butyl ether | 10.0 | 8.71 | 87 | 4 | 30 | 46-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 13.0 | 130 | 0 | 30 | 70-152 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6318.D

Lab ID: 240-20760-1 MSD Client ID: SW-2 MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | 6.62 | 66 | 9 | 30 | 38-138 | |
| 1,2-Dichlorobenzene | 10.0 | 8.97 | 90 | 0 | 30 | 75-111 | |
| 1,3-Dichlorobenzene | 10.0 | 9.02 | 90 | 1 | 30 | 73-110 | |
| 1,4-Dichlorobenzene | 10.0 | 8.96 | 90 | 1 | 30 | 75-110 | |
| Trichlorofluoromethane | 10.0 | 15.3 | 153 | 2 | 30 | 46-157 | |
| Chlorodibromomethane | 10.0 | 9.33 | 93 | 0 | 30 | 56-118 | |
| Methylcyclohexane | 10.0 | 9.11 | 91 | 3 | 30 | 49-127 | |
| m-Xylene & p-Xylene | 20.0 | 18.9 | 95 | 3 | 30 | 75-117 | |
| o-Xylene | 10.0 | 9.43 | 94 | 2 | 30 | 76-116 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX83309.D

Lab ID: 240-20760-4 MSD Client ID: SED-2 MSD

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Acetone | 396 | 336 | 58 | 8 | 30 | 24-140 | |
| Benzene | 198 | 213 | 107 | 5 | 30 | 53-118 | |
| Dichlorobromomethane | 198 | 117 | 59 | 22 | 30 | 35-132 | |
| Bromoform | 198 | 66.9 | 34 | 37 | 30 | 18-129 | F |
| Bromomethane | 198 | 141 | 71 | 12 | 30 | 33-130 | |
| 2-Butanone (MEK) | 396 | 267 | 60 | 2 | 30 | 30-143 | |
| Carbon disulfide | 198 | 160 | 81 | 9 | 30 | 20-151 | |
| Carbon tetrachloride | 198 | 109 | 55 | 34 | 30 | 32-137 | F |
| Chlorobenzene | 198 | 188 | 95 | 3 | 30 | 37-116 | |
| Chloroethane | 198 | 260 | 131 | 18 | 30 | 45-118 | F |
| Chloroform | 198 | 235 | 118 | 10 | 30 | 53-119 | |
| Chloromethane | 198 | 241 | 122 | 14 | 30 | 34-117 | F |
| 1,1-Dichloroethane | 198 | 224 | 113 | 7 | 30 | 54-122 | |
| 1,2-Dichloroethane | 198 | 181 | 91 | 3 | 30 | 49-123 | |
| 1,1-Dichloroethene | 198 | 250 | 126 | 10 | 30 | 49-157 | |
| 1,2-Dichloropropane | 198 | 199 | 100 | 4 | 30 | 61-117 | |
| cis-1,3-Dichloropropene | 198 | 80.2 | 40 | 35 | 30 | 27-133 | F |
| trans-1,3-Dichloropropene | 198 | 107 | 54 | 29 | 30 | 28-137 | |
| Ethylbenzene | 198 | 209 | 106 | 0 | 30 | 30-131 | |
| 2-Hexanone | 396 | 222 | 56 | 14 | 30 | 37-147 | |
| Methylene Chloride | 198 | 223 | 113 | 9 | 30 | 54-115 | |
| 4-Methyl-2-pentanone (MIBK) | 396 | 242 | 61 | 1 | 30 | 43-147 | |
| Styrene | 198 | 104 | 52 | 12 | 30 | 27-127 | |
| 1,1,2,2-Tetrachloroethane | 198 | 242 | 122 | 4 | 30 | 16-179 | |
| Tetrachloroethene | 198 | 222 | 112 | 4 | 30 | 31-135 | |
| Toluene | 198 | 248 | 124 | 2 | 30 | 39-129 | |
| Trichloroethene | 198 | 199 | 100 | 3 | 30 | 10-177 | |
| Vinyl chloride | 198 | 266 | 134 | 16 | 30 | 42-117 | F |
| Xylenes, Total | 595 | 611 | 103 | 4 | 30 | 30-131 | |
| 1,1,1-Trichloroethane | 198 | 240 | 121 | 7 | 30 | 51-128 | |
| 1,1,2-Trichloroethane | 198 | 210 | 106 | 3 | 30 | 10-166 | |
| Cyclohexane | 198 | 188 | 95 | 1 | 30 | 28-118 | |
| 1,2-Dibromo-3-Chloropropane | 198 | 115 | 58 | 22 | 30 | 10-153 | |
| Ethylene Dibromide | 198 | 169 | 85 | 4 | 30 | 45-127 | |
| Dichlorodifluoromethane | 198 | 276 | 139 | 13 | 30 | 17-115 | F |
| cis-1,2-Dichloroethene | 198 | 209 | 106 | 5 | 30 | 50-119 | |
| trans-1,2-Dichloroethene | 198 | 217 | 109 | 4 | 30 | 50-123 | |
| Isopropylbenzene | 198 | 174 | 88 | 10 | 30 | 21-134 | |
| Methyl acetate | 198 | ND | 25 | 67 | 30 | 33-165 | F |
| Methyl tert-butyl ether | 198 | 177 | 89 | 4 | 30 | 51-157 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 198 | 257 | 130 | 14 | 30 | 50-147 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX83309.D

Lab ID: 240-20760-4 MSD Client ID: SED-2 MSD

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 198 | 49.6 | 25 | 26 | 30 | 10-111 | |
| 1,2-Dichlorobenzene | 198 | 150 | 76 | 12 | 30 | 17-122 | |
| 1,3-Dichlorobenzene | 198 | 170 | 86 | 17 | 30 | 16-126 | |
| 1,4-Dichlorobenzene | 198 | 165 | 83 | 13 | 30 | 15-121 | |
| Trichlorofluoromethane | 198 | 287 | 145 | 12 | 30 | 36-142 | F |
| Methylcyclohexane | 198 | 128 | 65 | 11 | 30 | 20-132 | |
| m-Xylene & p-Xylene | 396 | 410 | 104 | 5 | 30 | 29-131 | |
| o-Xylene | 198 | 201 | 101 | 3 | 30 | 29-134 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6339.D

Lab ID: 240-20760-12 MSD Client ID: OW-5 MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Acetone | 20.0 | 18.7 | 94 | 2 | 30 | 33-145 | |
| Benzene | 10.0 | 9.96 | 98 | 0 | 30 | 72-121 | |
| Dichlorobromomethane | 10.0 | 9.58 | 96 | 1 | 30 | 67-120 | |
| Bromoform | 10.0 | 8.57 | 86 | 2 | 30 | 32-128 | |
| Bromomethane | 10.0 | 9.70 | 97 | 2 | 30 | 10-186 | |
| 2-Butanone (MEK) | 20.0 | 17.1 | 85 | 2 | 30 | 54-129 | |
| Carbon disulfide | 10.0 | 9.80 | 98 | 1 | 30 | 57-147 | |
| Carbon tetrachloride | 10.0 | 10.6 | 106 | 5 | 30 | 59-129 | |
| Chlorobenzene | 10.0 | 9.52 | 95 | 2 | 30 | 80-110 | |
| Chloroethane | 10.0 | 9.92 | 99 | 3 | 30 | 21-165 | |
| Chloroform | 10.0 | 9.52 | 95 | 0 | 30 | 76-118 | |
| Chloromethane | 10.0 | 10.1 | 101 | 2 | 30 | 33-132 | |
| 1,1-Dichloroethane | 10.0 | 9.86 | 99 | 2 | 30 | 79-116 | |
| 1,2-Dichloroethane | 10.0 | 9.62 | 96 | 1 | 30 | 68-129 | |
| 1,1-Dichloroethene | 10.0 | 10.7 | 107 | 3 | 30 | 74-135 | |
| 1,2-Dichloropropane | 10.0 | 9.72 | 97 | 1 | 30 | 78-115 | |
| cis-1,3-Dichloropropene | 10.0 | 8.24 | 82 | 5 | 30 | 51-110 | |
| trans-1,3-Dichloropropene | 10.0 | 8.52 | 85 | 2 | 30 | 46-116 | |
| Ethylbenzene | 10.0 | 9.65 | 97 | 2 | 30 | 75-116 | |
| 2-Hexanone | 20.0 | 17.2 | 86 | 0 | 30 | 47-139 | |
| Methylene Chloride | 10.0 | 9.93 | 99 | 3 | 30 | 63-128 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 17.3 | 86 | 2 | 30 | 56-131 | |
| Styrene | 10.0 | 10.0 | 100 | 1 | 30 | 71-117 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.16 | 92 | 2 | 30 | 63-122 | |
| Tetrachloroethene | 10.0 | 10.6 | 92 | 0 | 30 | 70-117 | |
| Toluene | 10.0 | 9.38 | 94 | 0 | 30 | 78-114 | |
| Trichloroethene | 10.0 | 10.2 | 96 | 1 | 30 | 66-120 | |
| Vinyl chloride | 10.0 | 10.5 | 105 | 2 | 30 | 49-130 | |
| Xylenes, Total | 30.0 | 29.5 | 98 | 1 | 30 | 76-116 | |
| 1,1,1-Trichloroethane | 10.0 | 9.67 | 97 | 4 | 30 | 68-121 | |
| 1,1,2-Trichloroethane | 10.0 | 9.66 | 97 | 0 | 30 | 75-115 | |
| Cyclohexane | 10.0 | 9.86 | 99 | 3 | 30 | 49-123 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 7.70 | 77 | 5 | 30 | 32-139 | |
| Ethylene Dibromide | 10.0 | 9.40 | 94 | 2 | 30 | 74-113 | |
| Dichlorodifluoromethane | 10.0 | 8.84 | 88 | 7 | 30 | 17-128 | |
| cis-1,2-Dichloroethene | 10.0 | 11.1 | 98 | 1 | 30 | 70-120 | |
| trans-1,2-Dichloroethene | 10.0 | 10.4 | 104 | 2 | 30 | 80-119 | |
| Isopropylbenzene | 10.0 | 9.78 | 98 | 4 | 30 | 68-116 | |
| Methyl acetate | 10.0 | ND | 80 | 4 | 30 | 47-130 | |
| Methyl tert-butyl ether | 10.0 | 8.54 | 85 | 3 | 30 | 46-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 14.1 | 141 | 4 | 30 | 70-152 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR6339.D

Lab ID: 240-20760-12 MSD Client ID: OW-5 MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | 7.33 | 73 | 14 | 30 | 38-138 | |
| 1,2-Dichlorobenzene | 10.0 | 9.33 | 93 | 4 | 30 | 75-111 | |
| 1,3-Dichlorobenzene | 10.0 | 9.43 | 94 | 4 | 30 | 73-110 | |
| 1,4-Dichlorobenzene | 10.0 | 9.19 | 92 | 3 | 30 | 75-110 | |
| Trichlorofluoromethane | 10.0 | 16.6 | 166 | 1 | 30 | 46-157 | F |
| Chlorodibromomethane | 10.0 | 9.00 | 90 | 1 | 30 | 56-118 | |
| Methylcyclohexane | 10.0 | 9.39 | 94 | 4 | 30 | 49-127 | |
| m-Xylene & p-Xylene | 20.0 | 19.7 | 98 | 2 | 30 | 75-117 | |
| o-Xylene | 10.0 | 9.78 | 98 | 1 | 30 | 76-116 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: UX83294.D Lab Sample ID: MB 240-74675/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 02/08/2013 00:39

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 240-74675/6 | UX83293.D | 02/08/2013 00:18 |
| SED-2 | 240-20760-4 | UX83306.D | 02/08/2013 04:55 |
| SED-2 MS | 240-20760-4 MS | UX83308.D | 02/08/2013 05:37 |
| SED-2 MSD | 240-20760-4 MSD | UX83309.D | 02/08/2013 05:59 |
| SED-1 | 240-20760-5 | UX83310.D | 02/08/2013 06:20 |
| SED-DUP | 240-20760-6 | UX83311.D | 02/08/2013 06:41 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: UXR6296.D Lab Sample ID: MB 240-74898/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX17 Date Analyzed: 02/11/2013 14:27

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 240-74898/4 | UXR6295.D | 02/11/2013 14:05 |
| TRIP BLANK1 | 240-20760-7 | UXR6298.D | 02/11/2013 15:18 |
| OW-2 | 240-20760-8 | UXR6304.D | 02/11/2013 17:33 |
| FIELD BLANK1 | 240-20760-9 | UXR6305.D | 02/11/2013 17:56 |
| OW-6 | 240-20760-10 | UXR6306.D | 02/11/2013 18:18 |
| SW-2 | 240-20760-1 | UXR6316.D | 02/11/2013 22:01 |
| SW-2 MS | 240-20760-1 MS | UXR6317.D | 02/11/2013 22:24 |
| SW-2 MSD | 240-20760-1 MSD | UXR6318.D | 02/11/2013 22:46 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: UXR6322.D Lab Sample ID: MB 240-75030/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX17 Date Analyzed: 02/12/2013 15:33

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 240-75030/4 | UXR6321.D | 02/12/2013 15:10 |
| SW-1 | 240-20760-2 | UXR6324.D | 02/12/2013 16:18 |
| SW-DUP | 240-20760-3 | UXR6325.D | 02/12/2013 16:40 |
| OW-8 | 240-20760-11 | UXR6326.D | 02/12/2013 17:03 |
| OW-5 | 240-20760-12 | UXR6337.D | 02/12/2013 21:08 |
| OW-5 MS | 240-20760-12 MS | UXR6338.D | 02/12/2013 21:30 |
| OW-5 MSD | 240-20760-12 MSD | UXR6339.D | 02/12/2013 21:52 |

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: BFB291.D BFB Injection Date: 01/30/2013

Instrument ID: A3UX17 BFB Injection Time: 15:53

Analysis Batch No.: 73638

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 16.9 | |
| 75 | 30.0 - 60.0 % of mass 95 | 46.6 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.5 | |
| 173 | Less than 2.0 % of mass 174 | 0.4 | (0.5)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 86.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.0 | (6.9)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 84.6 | (97.3)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.4 | (6.3)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | STD8260 240-73638/2 | UXR6090.D | 01/30/2013 | 16:19 |
| | STD8260 240-73638/3 | UXR6091.D | 01/30/2013 | 16:41 |
| | STD8260 240-73638/4 | UXR6092.D | 01/30/2013 | 17:03 |
| | STD8260 240-73638/5 | UXR6093.D | 01/30/2013 | 17:26 |
| | STD8260 240-73638/6 | UXR6094.D | 01/30/2013 | 17:48 |
| | STD8260 240-73638/7 | UXR6095.D | 01/30/2013 | 18:11 |
| | STDA9 240-73638/8 | UXR6096.D | 01/30/2013 | 18:33 |
| | STDA9 240-73638/9 | UXR6097.D | 01/30/2013 | 18:55 |
| | STDA9 240-73638/10 | UXR6098.D | 01/30/2013 | 19:17 |
| | STDA9 240-73638/11 | UXR6099.D | 01/30/2013 | 19:40 |
| | STDA9 240-73638/12 | UXR6100.D | 01/30/2013 | 20:02 |
| | STDA9 240-73638/13 | UXR6101.D | 01/30/2013 | 20:24 |
| | ICV 240-73638/14 | UXR6102.D | 01/30/2013 | 20:47 |

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: BFB301.D BFB Injection Date: 02/11/2013

Instrument ID: A3UX17 BFB Injection Time: 12:37

Analysis Batch No.: 74898

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 17.5 | |
| 75 | 30.0 - 60.0 % of mass 95 | 47.1 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 7.0 | |
| 173 | Less than 2.0 % of mass 174 | 0.3 | (0.4)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 84.1 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.9 | (7.0)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 80.6 | (95.7)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.3 | (6.6)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 240-74898/2 | UXR6293.D | 02/11/2013 | 13:20 |
| | CCV 240-74898/3 | UXR6294.D | 02/11/2013 | 13:43 |
| | LCS 240-74898/4 | UXR6295.D | 02/11/2013 | 14:05 |
| | MB 240-74898/5 | UXR6296.D | 02/11/2013 | 14:27 |
| TRIP BLANK1 | 240-20760-7 | UXR6298.D | 02/11/2013 | 15:18 |
| OW-2 | 240-20760-8 | UXR6304.D | 02/11/2013 | 17:33 |
| FIELD BLANK1 | 240-20760-9 | UXR6305.D | 02/11/2013 | 17:56 |
| OW-6 | 240-20760-10 | UXR6306.D | 02/11/2013 | 18:18 |
| SW-2 | 240-20760-1 | UXR6316.D | 02/11/2013 | 22:01 |
| SW-2 MS | 240-20760-1 MS | UXR6317.D | 02/11/2013 | 22:24 |
| SW-2 MSD | 240-20760-1 MSD | UXR6318.D | 02/11/2013 | 22:46 |

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: BFB302.D BFB Injection Date: 02/12/2013

Instrument ID: A3UX17 BFB Injection Time: 13:59

Analysis Batch No.: 75030

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 16.3 | |
| 75 | 30.0 - 60.0 % of mass 95 | 46.4 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.5 | |
| 173 | Less than 2.0 % of mass 174 | 0.5 | (0.6)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 81.7 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.6 | (6.9)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 79.6 | (97.4)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.3 | (6.6)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 240-75030/2 | UXR6319.D | 02/12/2013 | 14:25 |
| | CCV 240-75030/3 | UXR6320.D | 02/12/2013 | 14:48 |
| | LCS 240-75030/4 | UXR6321.D | 02/12/2013 | 15:10 |
| | MB 240-75030/5 | UXR6322.D | 02/12/2013 | 15:33 |
| SW-1 | 240-20760-2 | UXR6324.D | 02/12/2013 | 16:18 |
| SW-DUP | 240-20760-3 | UXR6325.D | 02/12/2013 | 16:40 |
| OW-8 | 240-20760-11 | UXR6326.D | 02/12/2013 | 17:03 |
| OW-5 | 240-20760-12 | UXR6337.D | 02/12/2013 | 21:08 |
| OW-5 MS | 240-20760-12 MS | UXR6338.D | 02/12/2013 | 21:30 |
| OW-5 MSD | 240-20760-12 MSD | UXR6339.D | 02/12/2013 | 21:52 |

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: BFB8188.D BFB Injection Date: 02/06/2013

Instrument ID: A3UX8 BFB Injection Time: 18:59

Analysis Batch No.: 74529

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 28.2 | |
| 75 | 30.0 - 60.0 % of mass 95 | 47.6 | |
| 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 | 0.0 | (0.0)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 83.0 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.0 | (7.2)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 80.3 | (96.7)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.1 | (6.4)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | STD8260 240-74529/3 | UX83258.D | 02/06/2013 | 19:45 |
| | STD8260 240-74529/4 | UX83259.D | 02/06/2013 | 20:06 |
| | STD8260 240-74529/5 | UX83260.D | 02/06/2013 | 20:28 |
| | ICIS 240-74529/6 | UX83261.D | 02/06/2013 | 20:49 |
| | STD8260 240-74529/7 | UX83262.D | 02/06/2013 | 21:10 |
| | STD8260 240-74529/8 | UX83263.D | 02/06/2013 | 21:31 |
| | STD8260 240-74529/9 | UX83264.D | 02/06/2013 | 21:53 |
| | STD8260 240-74529/10 | UX83265.D | 02/06/2013 | 22:14 |
| | ICV 240-74529/18 | UX83273.D | 02/07/2013 | 01:04 |

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab File ID: BFB8190.D BFB Injection Date: 02/07/2013

Instrument ID: A3UX8 BFB Injection Time: 22:53

Analysis Batch No.: 74675

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 28.7 | |
| 75 | 30.0 - 60.0 % of mass 95 | 47.3 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.7 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 83.1 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.1 | (7.3)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 81.0 | (97.5)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.5 | (6.8)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 240-74675/4 | UX83291.D | 02/07/2013 | 23:35 |
| | CCV 240-74675/5 | UX83292.D | 02/07/2013 | 23:57 |
| | LCS 240-74675/6 | UX83293.D | 02/08/2013 | 00:18 |
| | MB 240-74675/7 | UX83294.D | 02/08/2013 | 00:39 |
| SED-2 | 240-20760-4 | UX83306.D | 02/08/2013 | 04:55 |
| SED-2 MS | 240-20760-4 MS | UX83308.D | 02/08/2013 | 05:37 |
| SED-2 MSD | 240-20760-4 MSD | UX83309.D | 02/08/2013 | 05:59 |
| SED-1 | 240-20760-5 | UX83310.D | 02/08/2013 | 06:20 |
| SED-DUP | 240-20760-6 | UX83311.D | 02/08/2013 | 06:41 |

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Sample No.: STD8260 240-73638/4 Date Analyzed: 01/30/2013 17:03

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXR6092.D Heated Purge: (Y/N) N

Calibration ID: 13537

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | | 1585193 | 5.76 | 1217139 | 8.48 | 726776 | 10.72 |
| UPPER LIMIT | | 3170386 | 6.26 | 2434278 | 8.98 | 1453552 | 11.22 |
| LOWER LIMIT | | 792597 | 5.26 | 608570 | 7.98 | 363388 | 10.22 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 240-73638/14 | | 1649975 | 5.76 | 1277502 | 8.48 | 786641 | 10.72 |
| CCVIS 240-74898/2 | | 1721951 | 5.76 | 1374517 | 8.47 | 822238 | 10.72 |
| CCVIS 240-75030/2 | | 1616347 | 5.76 | 1287191 | 8.47 | 765580 | 10.72 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Sample No.: CCVIS 240-74898/2 Date Analyzed: 02/11/2013 13:20

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXR6293.D Heated Purge: (Y/N) N

Calibration ID: 13540

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 1721951 | 5.76 | 1374517 | 8.47 | 822238 | 10.72 |
| UPPER LIMIT | | 3443902 | 6.26 | 2749034 | 8.97 | 1644476 | 11.22 |
| LOWER LIMIT | | 860976 | 5.26 | 687259 | 7.97 | 411119 | 10.22 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| CCV 240-74898/3 | | 1777803 | 5.76 | 1346212 | 8.48 | 741533 | 10.72 |
| LCS 240-74898/4 | | 1771639 | 5.76 | 1412419 | 8.47 | 833994 | 10.72 |
| MB 240-74898/5 | | 1690838 | 5.76 | 1340983 | 8.48 | 716766 | 10.72 |
| 240-20760-7 | TRIP BLANK1 | 1587631 | 5.76 | 1259687 | 8.47 | 673904 | 10.72 |
| 240-20760-8 | OW-2 | 1610423 | 5.76 | 1270044 | 8.48 | 663428 | 10.72 |
| 240-20760-9 | FIELD BLANK1 | 1568517 | 5.76 | 1224701 | 8.48 | 656506 | 10.72 |
| 240-20760-10 | OW-6 | 1449463 | 5.76 | 1160653 | 8.48 | 596968 | 10.72 |
| 240-20760-1 | SW-2 | 1497182 | 5.76 | 1194653 | 8.48 | 629782 | 10.72 |
| 240-20760-1 MS | SW-2 MS | 1653458 | 5.76 | 1293216 | 8.47 | 791657 | 10.72 |
| 240-20760-1 MSD | SW-2 MSD | 1678487 | 5.76 | 1345076 | 8.48 | 807756 | 10.72 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Sample No.: CCVIS 240-75030/2 Date Analyzed: 02/12/2013 14:25

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXR6319.D Heated Purge: (Y/N) N

Calibration ID: 13540

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 1616347 | 5.76 | 1287191 | 8.47 | 765580 | 10.72 |
| UPPER LIMIT | | 3232694 | 6.26 | 2574382 | 8.97 | 1531160 | 11.22 |
| LOWER LIMIT | | 808174 | 5.26 | 643596 | 7.97 | 382790 | 10.22 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| CCV 240-75030/3 | | 1720394 | 5.76 | 1277537 | 8.47 | 693861 | 10.72 |
| LCS 240-75030/4 | | 1695811 | 5.76 | 1332679 | 8.47 | 804235 | 10.72 |
| MB 240-75030/5 | | 1620074 | 5.76 | 1249938 | 8.47 | 673077 | 10.72 |
| 240-20760-2 | SW-1 | 1455552 | 5.76 | 1168121 | 8.47 | 623658 | 10.72 |
| 240-20760-3 | SW-DUP | 1553402 | 5.76 | 1259487 | 8.47 | 659556 | 10.72 |
| 240-20760-11 | OW-8 | 1553115 | 5.76 | 1207194 | 8.48 | 645422 | 10.72 |
| 240-20760-12 | OW-5 | 1486452 | 5.76 | 1166166 | 8.48 | 606198 | 10.72 |
| 240-20760-12 MS | OW-5 MS | 1614305 | 5.76 | 1258300 | 8.47 | 782118 | 10.72 |
| 240-20760-12 MSD | OW-5 MSD | 1623639 | 5.76 | 1270149 | 8.48 | 785483 | 10.72 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Sample No.: ICIS 240-74529/6 Date Analyzed: 02/06/2013 20:49

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX83261.D Heated Purge: (Y/N) Y

Calibration ID: 13616

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | | 1684340 | 5.16 | 1193957 | 7.69 | 561436 | 9.88 |
| UPPER LIMIT | | 3368680 | 5.66 | 2387914 | 8.19 | 1122872 | 10.38 |
| LOWER LIMIT | | 842170 | 4.66 | 596979 | 7.19 | 280718 | 9.38 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 240-74529/18 | | 1666613 | 5.16 | 1197384 | 7.69 | 577992 | 9.88 |
| CCVIS 240-74675/4 | | 1657077 | 5.16 | 1231057 | 7.68 | 604349 | 9.88 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Sample No.: CCVIS 240-74675/4  Date Analyzed: 02/07/2013 23:35

Instrument ID: A3UX8  GC Column: DB-624  ID: 0.18(mm)

Lab File ID (Standard): UX83291.D  Heated Purge: (Y/N) Y

Calibration ID: 13618

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 1657077 | 5.16 | 1231057 | 7.68 | 604349 | 9.88 |
| UPPER LIMIT | | 3314154 | 5.66 | 2462114 | 8.18 | 1208698 | 10.38 |
| LOWER LIMIT | | 828539 | 4.66 | 615529 | 7.18 | 302175 | 9.38 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| CCV 240-74675/5 | | 1626404 | 5.16 | 1211376 | 7.69 | 589475 | 9.88 |
| LCS 240-74675/6 | | 1696503 | 5.16 | 1217705 | 7.68 | 577168 | 9.88 |
| MB 240-74675/7 | | 1663592 | 5.16 | 1190891 | 7.69 | 559789 | 9.87 |
| 240-20760-4 | SED-2 | 1415346 | 5.16 | 783166 | 7.68 | 204882* | 9.88 |
| 240-20760-4 MS | SED-2 MS | 1593532 | 5.16 | 862916 | 7.69 | 219972* | 9.88 |
| 240-20760-4 MSD | SED-2 MSD | 1483162 | 5.16 | 836203 | 7.69 | 209457* | 9.88 |
| 240-20760-5 | SED-1 | 1509462 | 5.16 | 978177 | 7.69 | 277697* | 9.88 |
| 240-20760-6 | SED-DUP | 1563884 | 5.16 | 1039799 | 7.69 | 324276 | 9.88 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-2 | Lab Sample ID: 240-20760-1

Matrix: Water | Lab File ID: UXR6316.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 22:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-2 | Lab Sample ID: 240-20760-1

Matrix: Water | Lab File ID: UXR6316.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 22:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 101 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 81 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 89 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 99 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6316.D
Lims ID: 240-20760-D-1 Client ID: SW-2
Inject. Date: 11-Feb-2013 22:01:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017265-025
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 74898 Lims Sample ID: 25
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m
Last Update: 12-Feb-2013 09:53:42 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1497182 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1194653 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 629782 | 10.0 | |
| $ 4 1,2-Dichlorobenzene-d4 | 1 | | 0.000 | | | | | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 300243 | 8.85 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 389619 | 8.97 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1228993 | 7.92 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 92 | 408916 | 7.24 | |
| 12 C6-C10 | 1 | | 0.000 | | | | | |
| 13 Benzyl chloride | 126 | | 0.000 | | | | | |
| 10 C6-C12 | 1 | | 0.000 | | | | | |
| 11 1,3-Diethylbenzene TIC | 1 | | 0.000 | | | | | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.826 | | | | | |
| 16 Chlorodifluoromethane TIC | 1 | | 1.900 | | | | | |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.301 | | | | | 9 |
| 19 Chloroethane | 64 | | 2.407 | | | | | |
| 20 Dichlorofluoromethane | 67 | | 2.621 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 23 Methylal | 45 | | 2.941 | | | | | 9 |
| 22 Ethyl ether | 59 | | 2.953 | | | | | |
| 24 Acrolein | 56 | | 3.083 | | | | | 9 |
| 25 1,1-Dichloroethene | 96 | | 3.178 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.190 | | | | | |
| 27 Acetone | 43 | | 3.237 | | | | | |
| 28 Iodomethane | 142 | | 3.320 | | | | | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 30 Acetonitrile | 41 | | 3.510 | | | | | |
| 31 3-Chloro-1-propene | 76 | | 3.522 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 34 2-Methyl-2-propanol | 59 | | 3.735 | | | | | |
| 36 Acrylonitrile | 53 | | 3.866 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 38 Hexane | 86 | | 4.115 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 41 Isopropyl ether | 87 | | 4.305 | | | | | |
| 40 Vinyl acetate | 86 | | 4.305 | | | | | |
| 42 2-Chloro-1,3-butadiene | 53 | | 4.340 | | | | | |
| 43 Tert-butyl ethyl ether | 59 | | 4.625 | | | | | |
| 44 2,2-Dichloropropane | 77 | | 4.767 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | |
| 46 2-Butanone (MEK) | 43 | | 4.779 | | | | | |
| 47 Ethyl acetate | 43 | | 4.826 | | | | | 9 |
| 48 Propionitrile | 54 | | 4.850 | | | | | |
| 49 Methacrylonitrile | 41 | | 4.980 | | | | | |
| 50 Chlorobromomethane | 128 | | 4.981 | | | | | |
| 51 Tetrahydrofuran | 42 | | 5.016 | | | | | |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 56 1,1-Dichloropropene | 75 | | 5.348 | | | | | |
| 57 Isobutyl alcohol | 41 | | 5.431 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 60 Tert-amyl methyl ether | 73 | | 5.609 | | | | | |
| 61 n-Heptane | 100 | | 5.728 | | | | | |
| 62 n-Butanol | 56 | | 5.988 | | | | | |
| 63 Trichloroethene | 130 | | 6.072 | | | | | |
| 64 Ethyl acrylate | 55 | | 6.100 | | | | | |
| 65 Methylcyclohexane | 83 | | 6.238 | | | | | |
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 67 Methyl methacrylate | 41 | | 6.356 | | | | | 9 |
| 69 Dibromomethane | 93 | | 6.392 | | | | | |
| 68 1,4-Dioxane | 88 | | 6.392 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 71 2-Nitropropane | 41 | | 6.724 | | | | | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 77 Ethyl methacrylate | 69 | | 7.447 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | | 7.696 | | | | | |
| 80 Tetrahydrothiophene | 60 | | 7.700 | | | | | |
| 81 1,3-Dichloropropane | 76 | | 7.720 | | | | | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | 9 |
| 83 n-Butyl acetate | 56 | | 7.874 | | | | | 9 |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 86 1-Chlorohexane | 91 | | 8.300 | | | | | |
| 87 Chlorobenzene | 112 | | 8.503 | | | | | |
| 88 1,1,1,2-Tetrachloroethane | 131 | | 8.574 | | | | | |
| 89 Ethylbenzene | 106 | | 8.586 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 94 1,4-Dichlorobutane | 55 | | 9.300 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 96 Cyclohexanone | 55 | | 9.546 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 98 Bromobenzene | 156 | | 9.748 | | | | | |
| 100 1,2,3-Trichloropropane | 110 | | 9.771 | | | | | |
| 99 trans-1,4-Dichloro-2-butene | 53 | | 9.771 | | | | | |
| 101 N-Propylbenzene | 120 | | 9.819 | | | | | |
| 102 2-Chlorotoluene | 126 | | 9.926 | | | | | |
| 103 1,3,5-Trimethylbenzene | 105 | | 9.997 | | | | | |
| 104 4-Chlorotoluene | 126 | | 10.032 | | | | | |
| 105 tert-Butylbenzene | 119 | | 10.317 | | | | | |
| 106 1,2,4-Trimethylbenzene | 105 | | 10.364 | | | | | |
| 107 sec-Butylbenzene | 105 | | 10.530 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 109 4-Isopropyltoluene | 119 | | 10.673 | | | | | 9 |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 111 1,2,3-Trimethylbenzene | 105 | | 10.791 | | | | | |
| 112 n-Butylbenzene | 91 | | 11.076 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 115 1,3,5-Trichlorobenzene | 180 | | 12.108 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| 117 Hexachlorobutadiene | 225 | | 12.890 | | | | | |
| 118 Naphthalene | 128 | | 12.997 | | | | | |
| 119 1,2,3-Trichlorobenzene | 180 | | 13.258 | | | | | |
| 120 2-Methylnaphthalene | 142 | | 14.396 | | | | | |
| S 121 Trihalomethanes, Total | 1 | | 0.000 | | | | | 7 |
| S 122 1,2-Dichloroethene, Total | 96 | | 1.140 | | | | | 7 |
| S 123 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | 7 |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |
| T 125 Butyl Methacrylate TIC | 1 | | 9.900 | | | | | 1 |
| T 126 Hexachloroethane TIC | 1 | | 11.200 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

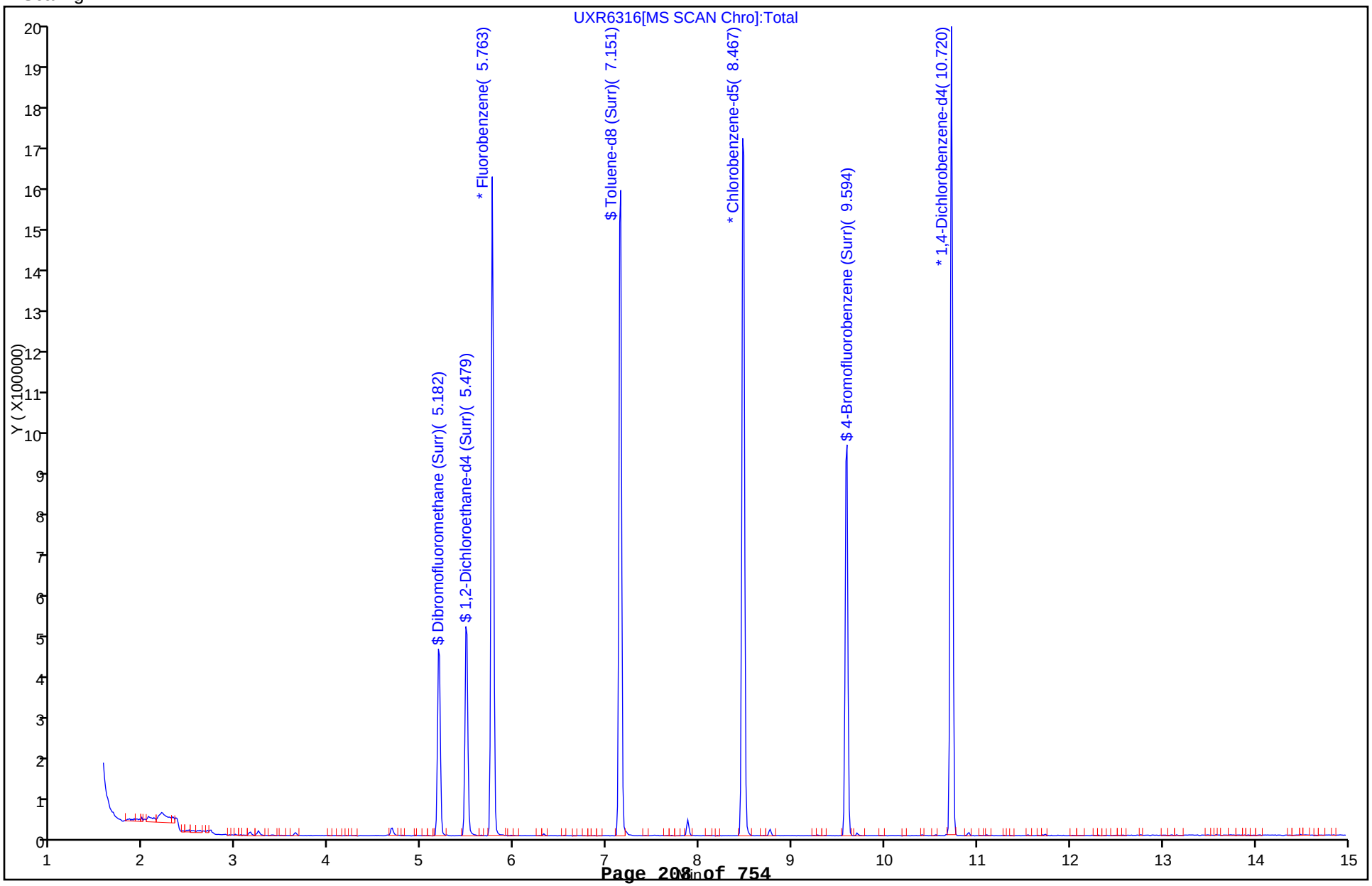
Report Date: 12-Feb-2013 09:53:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6316.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 22:01:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SW-2 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 25 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-1 | Lab Sample ID: 240-20760-2

Matrix: Water | Lab File ID: UXR6324.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 16:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-1 | Lab Sample ID: 240-20760-2

Matrix: Water | Lab File ID: UXR6324.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 16:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 108 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 86 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 96 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 105 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6324.D
Lims ID: 240-20760-A-2 Client ID: SW-1
Inject. Date: 12-Feb-2013 16:18:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017290-007
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 75030 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m
Last Update: 13-Feb-2013 09:51:19 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK034

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1455552 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.467 | 0.0 | 86 | 1168121 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 623658 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 307272 | 9.32 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 405211 | 9.59 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1298202 | 8.56 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 92 | 424895 | 7.69 | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.814 | | | | | 9 |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.300 | | | | | |
| 19 Chloroethane | 64 | | 2.407 | | | | | 9 |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.166 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.178 | | | | | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 95 | 89034 | 8.20 | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | 9 |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.779 | 0.012 | 84 | 14369 | 0.9645 | |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 63 Trichloroethene | 130 | | 6.071 | | | | | 9 |
| 65 Methylcyclohexane | 83 | | 6.237 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | | 7.696 | | | | | 9 |
| 82 2-Hexanone | 43 | | 7.779 | | | | | 9 |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 87 Chlorobenzene | 112 | | 8.502 | | | | | |
| 89 Ethylbenzene | 106 | | 8.585 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

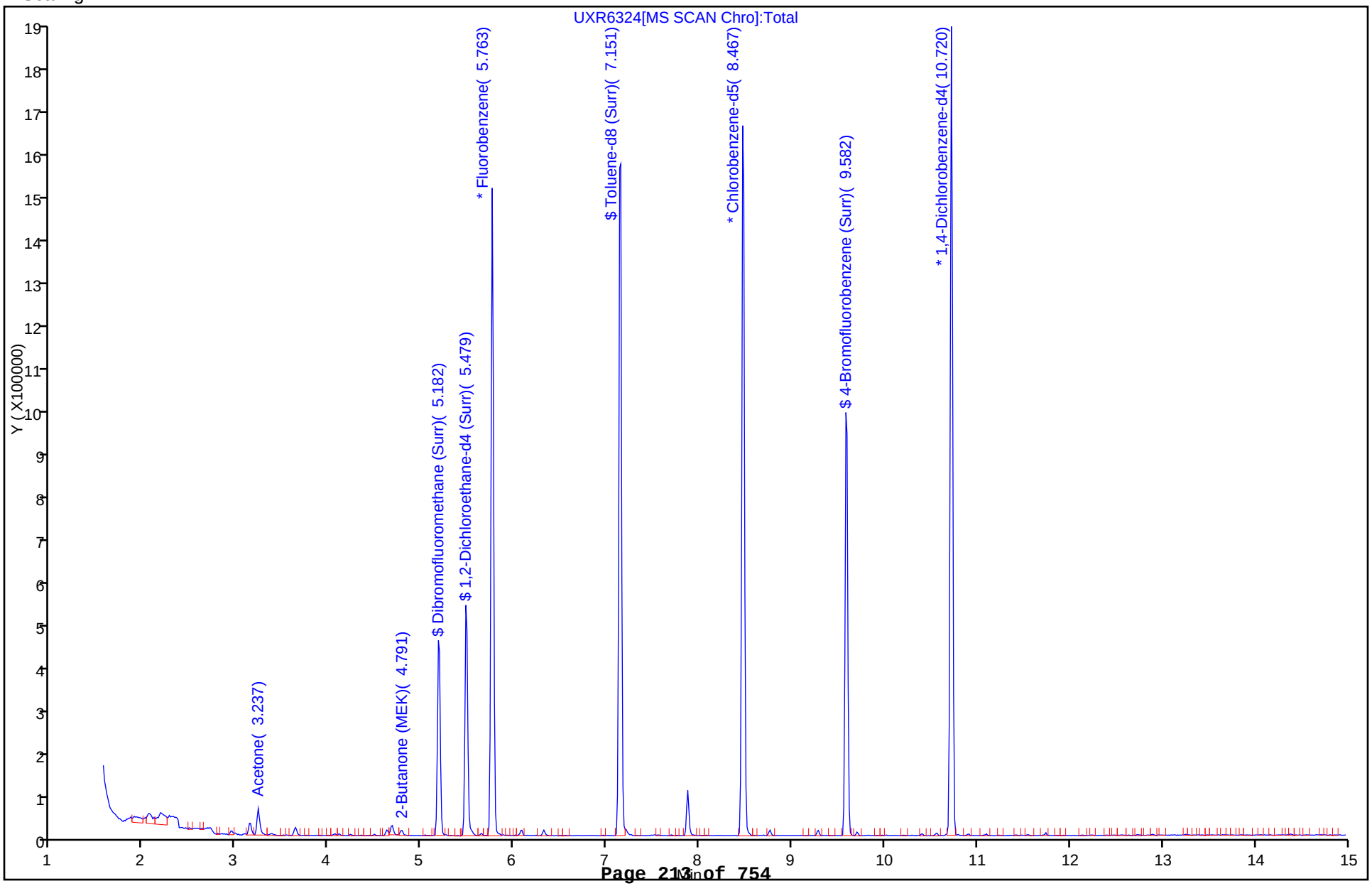
Report Date: 13-Feb-2013 09:51:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6324.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 16:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SW-1 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 7 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-DUP | Lab Sample ID: 240-20760-3

Matrix: Water | Lab File ID: UXR6325.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 16:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-DUP | Lab Sample ID: 240-20760-3

Matrix: Water | Lab File ID: UXR6325.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 16:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 100 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 80 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 95 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6325.D
Lims ID: 240-20760-B-3 Client ID: SW-DUP
Inject. Date: 12-Feb-2013 16:40:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017290-008
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 75030 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m
Last Update: 13-Feb-2013 09:51:19 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK034

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1553402 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.467 | 0.0 | 85 | 1259487 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 659556 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 58 | 296903 | 8.44 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 400041 | 8.87 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1263022 | 7.72 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 424407 | 7.12 | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.814 | | | | | 9 |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.300 | | | | | |
| 19 Chloroethane | 64 | | 2.407 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.166 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.178 | | | | | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 98 | 109629 | 9.84 | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | 9 |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | 9 |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.779 | 0.012 | 77 | 15724 | 0.9890 | |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 63 Trichloroethene | 130 | | 6.071 | | | | | 9 |
| 65 Methylcyclohexane | 83 | | 6.237 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | 9 |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | | 7.696 | | | | | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | 9 |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 87 Chlorobenzene | 112 | | 8.502 | | | | | |
| 89 Ethylbenzene | 106 | | 8.585 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | 9 |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | 9 |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

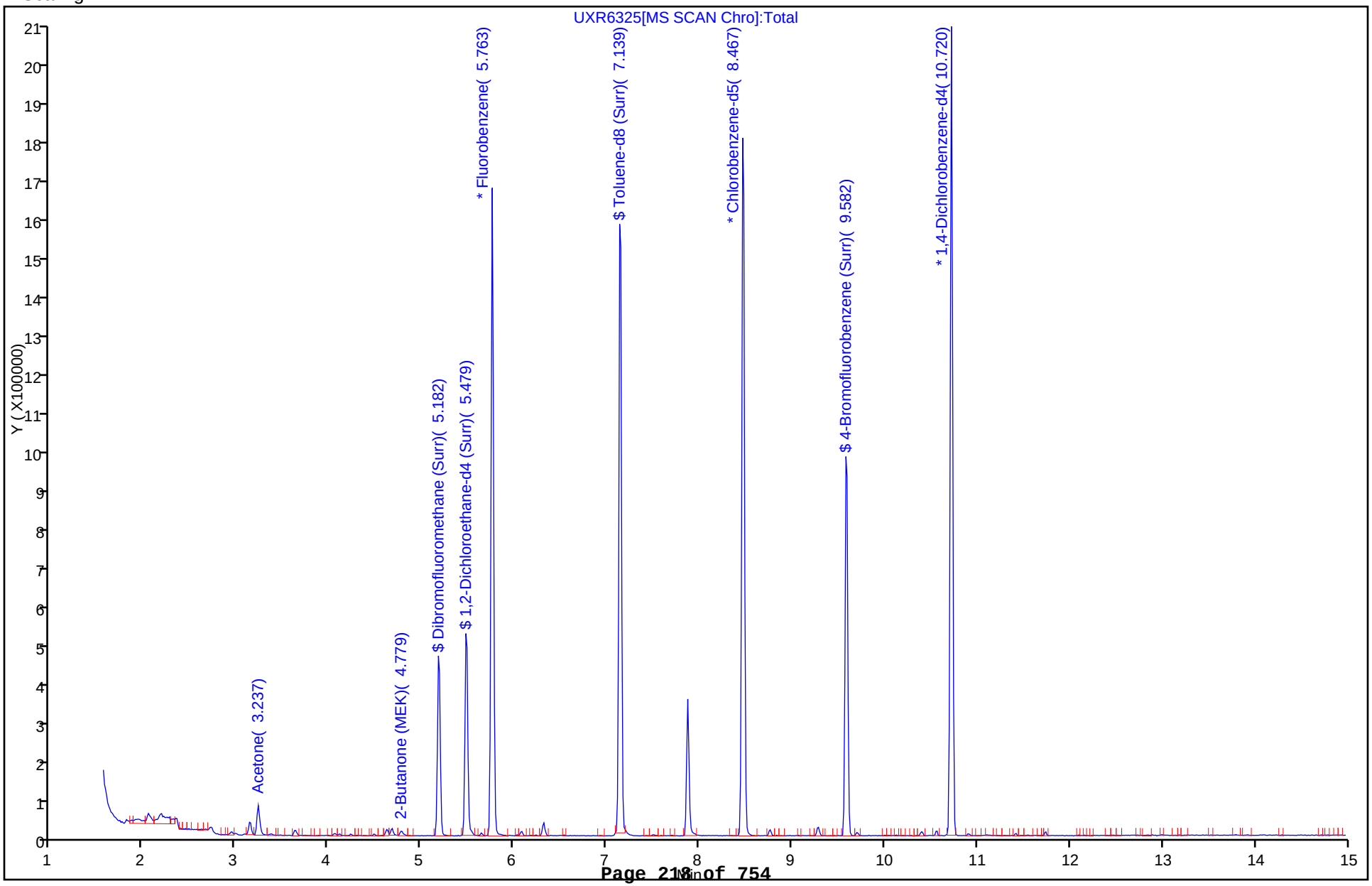
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 13-Feb-2013 09:51:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6325.D | | |
| Injection Date: | 12-Feb-2013 16:40:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SW-DUP | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 8 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-2 | Lab Sample ID: 240-20760-4

Matrix: Solid | Lab File ID: UX83306.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:15

Sample wt/vol: 5.33(g) | Date Analyzed: 02/08/2013 04:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 87.8 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 150 | 48 |
| 71-43-2 | Benzene | ND | | 38 | 1.8 |
| 75-27-4 | Dichlorobromomethane | ND | | 38 | 2.1 |
| 75-25-2 | Bromoform | ND | | 38 | 2.5 |
| 74-83-9 | Bromomethane | ND | | 38 | 4.1 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 150 | 11 |
| 75-15-0 | Carbon disulfide | ND | | 38 | 3.4 |
| 56-23-5 | Carbon tetrachloride | ND | | 38 | 2.8 |
| 108-90-7 | Chlorobenzene | ND | | 38 | 2.5 |
| 75-00-3 | Chloroethane | ND | | 38 | 6.6 |
| 67-66-3 | Chloroform | ND | | 38 | 2.2 |
| 74-87-3 | Chloromethane | ND | | 38 | 3.1 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 38 | 2.8 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 38 | 2.6 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 38 | 4.0 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 38 | 5.3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 38 | 2.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 38 | 4.1 |
| 100-41-4 | Ethylbenzene | ND | | 38 | 2.0 |
| 591-78-6 | 2-Hexanone | ND | | 150 | 4.8 |
| 75-09-2 | Methylene Chloride | ND | | 38 | 5.1 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 150 | 4.1 |
| 100-42-5 | Styrene | ND | | 38 | 1.2 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 38 | 2.6 |
| 127-18-4 | Tetrachloroethene | ND | | 38 | 4.0 |
| 108-88-3 | Toluene | ND | | 38 | 2.1 |
| 79-01-6 | Trichloroethene | ND | | 38 | 3.2 |
| 75-01-4 | Vinyl chloride | ND | | 38 | 3.0 |
| 1330-20-7 | Xylenes, Total | ND | | 77 | 5.1 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 38 | 4.3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 38 | 3.0 |
| 110-82-7 | Cyclohexane | ND | | 77 | 2.5 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 77 | 10 |
| 106-93-4 | Ethylene Dibromide | ND | | 38 | 3.8 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 38 | 3.8 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 38 | 2.8 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-2 | Lab Sample ID: 240-20760-4

Matrix: Solid | Lab File ID: UX83306.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:15

Sample wt/vol: 5.33(g) | Date Analyzed: 02/08/2013 04:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 87.8 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 38 | 3.1 |
| 98-82-8 | Isopropylbenzene | ND | | 38 | 1.2 |
| 79-20-9 | Methyl acetate | ND | | 77 | 11 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 150 | 3.3 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 38 | 10 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 38 | 2.1 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 38 | 2.8 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 38 | 2.7 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 38 | 5.1 |
| 75-69-4 | Trichlorofluoromethane | ND | | 38 | 2.6 |
| 124-48-1 | Chlorodibromomethane | ND | | 38 | 4.2 |
| 108-87-2 | Methylcyclohexane | ND | | 77 | 2.4 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 83 | | 58-123 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 68 | | 52-136 |
| 2037-26-5 | Toluene-d8 (Surr) | 116 | | 67-125 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 92 | | 37-132 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83306.D
Lims ID: 240-20760-C-4-A Client ID: SED-2
Inject. Date: 08-Feb-2013 04:55:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017213-019
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 74675 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:24:37 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 08-Feb-2013 09:49:53

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.159 | 5.156 | 0.002 | 99 | 1415346 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.678 | 7.687 | -0.009 | 90 | 783166 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.878 | 9.875 | 0.003 | 98 | 204882 | 50.0 | s |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.626 | 4.627 | -0.001 | 58 | 282876 | 46.0 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.886 | 4.887 | -0.001 | 92 | 333091 | 41.7 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.424 | 6.425 | -0.001 | 95 | 970188 | 58.2 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.754 | 8.755 | -0.001 | 89 | 203439 | 33.9 | |
| 135 1,4-Dichlorobutane | 1 | | 0.000 | | | | | |
| 134 Chlorodifluoromethane TIC | 1 | | 0.000 | | | | | |
| 138 Butyl Methacrylate TIC | 1 | | 0.000 | | | | | |
| 12 Dichlorodifluoromethane | 85 | | 1.575 | | | | | |
| 13 Chloromethane | 50 | | 1.753 | | | | | |
| 14 Vinyl chloride | 62 | | 1.871 | | | | | |
| 15 Bromomethane | 94 | | 2.190 | | | | | |
| 16 Chloroethane | 64 | | 2.285 | | | | | |
| 17 Dichlorofluoromethane | 67 | | 2.447 | | | | | |
| 18 Trichlorofluoromethane | 101 | | 2.510 | | | | | |
| 19 Ethyl ether | 59 | | 2.743 | | | | | |
| 20 Acrolein | 56 | | 2.841 | | | | | |
| 25 Methylal | 45 | | 2.856 | | | | | |
| 21 1,1-Dichloroethene | 96 | | 2.935 | | | | | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.947 | | | | | |
| 22 Acetone | 43 | 2.958 | 2.959 | -0.001 | 92 | 59019 | 14.1 | |
| 24 Iodomethane | 142 | | 3.054 | | | | | |
| 26 Carbon disulfide | 76 | 3.112 | 3.113 | -0.001 | 62 | 2447 | 0.1764 | |
| 27 Acetonitrile | 41 | | 3.172 | | | | | |
| 29 3-Chloro-1-propene | 76 | | 3.216 | | | | | |
| 28 Methyl acetate | 43 | | 3.219 | | | | | |
| 30 Methylene Chloride | 84 | | 3.302 | | | | | |
| 31 2-Methyl-2-propanol | 59 | | 3.373 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | | 3.480 | | | | | |
| 34 Methyl tert-butyl ether | 73 | | 3.515 | | | | | |
| 33 trans-1,2-Dichloroethene | 96 | | 3.527 | | | | | |
| 35 Hexane | 86 | | 3.728 | | | | | |
| 36 1,1-Dichloroethane | 63 | | 3.834 | | | | | |
| 37 Vinyl acetate | 86 | | 3.858 | | | | | |
| 38 Isopropyl ether | 87 | | 3.878 | | | | | |
| 39 2-Chloro-1,3-butadiene | 53 | | 3.914 | | | | | |
| 40 Tert-butyl ethyl ether | 59 | | 4.150 | | | | | |
| 42 cis-1,2-Dichloroethene | 96 | | 4.272 | | | | | |
| 41 2-Butanone (MEK) | 43 | 4.271 | 4.272 | -0.001 | 88 | 22287 | 3.81 | |
| 43 2,2-Dichloropropane | 77 | | 4.284 | | | | | |
| 45 Ethyl acetate | 43 | | 4.304 | | | | | 9 |
| 44 Propionitrile | 54 | | 4.304 | | | | | |
| 46 Methacrylonitrile | 41 | | 4.434 | | | | | |
| 47 Chlorobromomethane | 128 | | 4.449 | | | | | |
| 48 Tetrahydrofuran | 42 | | 4.497 | | | | | |
| 49 Chloroform | 83 | | 4.509 | | | | | |
| 50 1,1,1-Trichloroethane | 97 | | 4.662 | | | | | |
| 51 Cyclohexane | 56 | | 4.722 | | | | | |
| 52 1,1-Dichloropropene | 75 | | 4.793 | | | | | |
| 53 Carbon tetrachloride | 117 | | 4.804 | | | | | |
| 54 Isobutyl alcohol | 41 | | 4.813 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.946 | | | | | |
| 55 Benzene | 78 | | 4.946 | | | | | |
| 57 Tert-amyl methyl ether | 73 | | 5.014 | | | | | |
| 58 n-Heptane | 100 | | 5.132 | | | | | |
| 59 n-Butanol | 56 | | 5.321 | | | | | |
| 60 Trichloroethene | 130 | | 5.443 | | | | | |
| 61 Ethyl acrylate | 55 | | 5.487 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.609 | | | | | |
| 62 1,2-Dichloropropane | 63 | | 5.621 | | | | | |
| 64 Methyl methacrylate | 41 | | 5.676 | | | | | |
| 65 Dibromomethane | 93 | | 5.715 | | | | | |
| 66 1,4-Dioxane | 88 | | 5.715 | | | | | |
| 67 Dichlorobromomethane | 83 | | 5.822 | | | | | |
| 68 2-Nitropropane | 41 | | 5.996 | | | | | |
| 69 2-Chloroethyl vinyl ether | 63 | | 6.046 | | | | | |
| 70 cis-1,3-Dichloropropene | 75 | | 6.188 | | | | | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | | 6.295 | | | | | |
| 72 Toluene | 91 | 6.483 | 6.484 | -0.001 | 51 | 7220 | 0.3607 | |
| 73 trans-1,3-Dichloropropene | 75 | | 6.638 | | | | | |
| 74 Ethyl methacrylate | 69 | | 6.709 | | | | | |
| 75 1,1,2-Trichloroethane | 97 | | 6.803 | | | | | |
| 77 Tetrachloroethene | 164 | | 6.957 | | | | | |
| 76 1,3-Dichloropropane | 76 | | 6.957 | | | | | |
| 78 2-Hexanone | 43 | | 7.004 | | | | | |
| 132 n-Butyl acetate | 43 | | 7.108 | | | | | 19 |
| 79 Chlorodibromomethane | 129 | | 7.158 | | | | | |
| 80 Tetrahydrothiophene | 60 | | 7.255 | | | | | |
| 123 Ethylene Dibromide | 107 | | 7.276 | | | | | |
| 81 1-Chlorohexane | 91 | | 7.663 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 82 Chlorobenzene | 112 | | 7.714 | | | | | |
| 83 1,1,1,2-Tetrachloroethane | 131 | | 7.773 | | | | | |
| 84 Ethylbenzene | 106 | | 7.797 | | | | | |
| 10 m-Xylene & p-Xylene | 106 | | 7.903 | | | | | |
| 85 o-Xylene | 106 | | 8.270 | | | | | |
| 86 Styrene | 104 | | 8.282 | | | | | |
| 87 Bromoform | 173 | | 8.459 | | | | | |
| 88 Isopropylbenzene | 105 | | 8.613 | | | | | 9 |
| 89 Cyclohexanone | 55 | | 8.704 | | | | | 9 |
| 90 1,1,2,2-Tetrachloroethane | 83 | | 8.873 | | | | | |
| 91 Bromobenzene | 156 | | 8.909 | | | | | |
| 92 1,2,3-Trichloropropane | 110 | | 8.921 | | | | | |
| 93 trans-1,4-Dichloro-2-butene | 53 | | 8.932 | | | | | |
| 94 N-Propylbenzene | 120 | | 9.003 | | | | | |
| 95 2-Chlorotoluene | 126 | | 9.098 | | | | | |
| 96 1,3,5-Trimethylbenzene | 105 | | 9.169 | | | | | |
| 104 4-Chlorotoluene | 126 | | 9.193 | | | | | |
| 97 tert-Butylbenzene | 119 | | 9.488 | | | | | |
| 98 1,2,4-Trimethylbenzene | 105 | | 9.536 | | | | | |
| 99 sec-Butylbenzene | 105 | | 9.701 | | | | | |
| 100 1,3-Dichlorobenzene | 146 | | 9.820 | | | | | |
| 101 4-Isopropyltoluene | 119 | 9.831 | 9.843 | -0.012 | 1 | 10043 | 1.12 | |
| 102 1,4-Dichlorobenzene | 146 | | 9.902 | | | | | |
| 103 1,2,3-Trimethylbenzene | 105 | | 9.946 | | | | | 9 |
| 133 Benzyl chloride | 126 | | 10.016 | | | | | |
| 105 n-Butylbenzene | 91 | | 10.245 | | | | | |
| 106 1,2-Dichlorobenzene | 146 | | 10.269 | | | | | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | | 11.026 | | | | | |
| 108 1,3,5-Trichlorobenzene | 180 | | 11.251 | | | | | |
| 109 1,2,4-Trichlorobenzene | 180 | | 11.854 | | | | | |
| 110 Hexachlorobutadiene | 225 | | 12.032 | | | | | |
| 111 Naphthalene | 128 | | 12.103 | | | | | |
| 112 1,2,3-Trichlorobenzene | 180 | | 12.363 | | | | | |
| 113 2-Methylnaphthalene | 142 | | 13.424 | | | | | |
| S 136 Trihalomethanes, Total | 1 | | 0.000 | | | | | |
| S 11 1,2-Dichloroethene, Total | 96 | | 1.140 | | | | | |
| S 9 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | |
| S 114 Xylenes, Total | 106 | | 16.530 | | | | | |
| T 137 Hexachloroethane TIC | 166 | | 10.500 | | | | | 1 |

QC Flag Legend

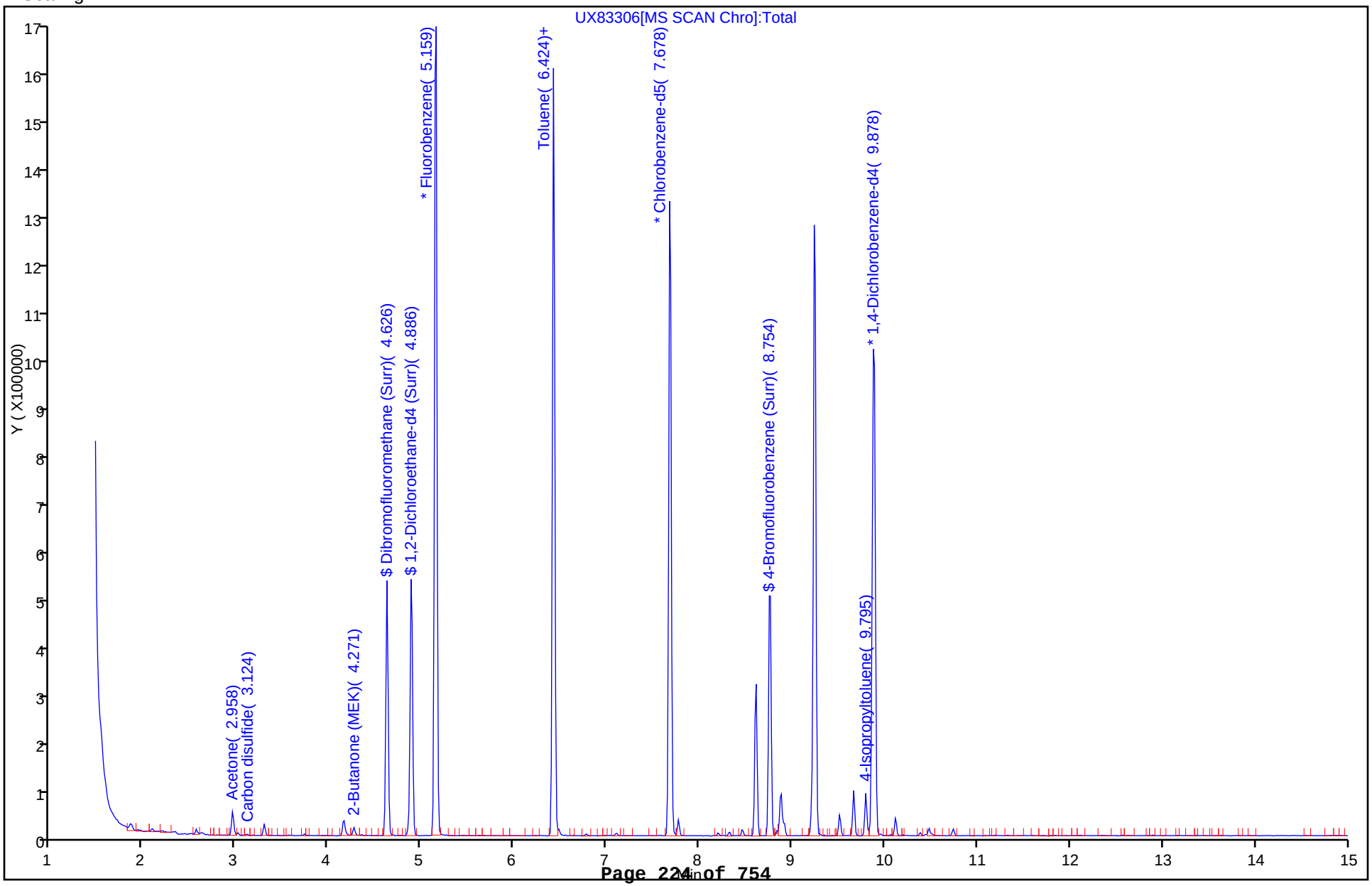
Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

Report Date: 09-Feb-2013 03:24:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83306.D | | |
| Injection Date: | 08-Feb-2013 04:55:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SED-2 | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 19 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-1 | Lab Sample ID: 240-20760-5

Matrix: Solid | Lab File ID: UX83310.D

Analysis Method: 8260B | Date Collected: 02/05/2013 15:05

Sample wt/vol: 5.07(g) | Date Analyzed: 02/08/2013 06:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 54.6 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 72 | | 43 | 14 |
| 71-43-2 | Benzene | ND | | 11 | 0.50 |
| 75-27-4 | Dichlorobromomethane | ND | | 11 | 0.61 |
| 75-25-2 | Bromoform | ND | | 11 | 0.72 |
| 74-83-9 | Bromomethane | ND | | 11 | 1.2 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 43 | 3.0 |
| 75-15-0 | Carbon disulfide | ND | | 11 | 0.96 |
| 56-23-5 | Carbon tetrachloride | ND | | 11 | 0.80 |
| 108-90-7 | Chlorobenzene | ND | | 11 | 0.72 |
| 75-00-3 | Chloroethane | ND | | 11 | 1.9 |
| 67-66-3 | Chloroform | ND | | 11 | 0.63 |
| 74-87-3 | Chloromethane | ND | | 11 | 0.89 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 11 | 0.78 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 11 | 0.74 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 11 | 1.1 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 11 | 1.5 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 11 | 0.74 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 11 | 1.2 |
| 100-41-4 | Ethylbenzene | ND | | 11 | 0.56 |
| 591-78-6 | 2-Hexanone | ND | | 43 | 1.4 |
| 75-09-2 | Methylene Chloride | ND | | 11 | 1.5 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 43 | 1.2 |
| 100-42-5 | Styrene | ND | | 11 | 0.33 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 11 | 0.74 |
| 127-18-4 | Tetrachloroethene | ND | | 11 | 1.1 |
| 108-88-3 | Toluene | ND | | 11 | 0.59 |
| 79-01-6 | Trichloroethene | ND | | 11 | 0.91 |
| 75-01-4 | Vinyl chloride | ND | | 11 | 0.85 |
| 1330-20-7 | Xylenes, Total | ND | | 22 | 1.5 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 11 | 1.2 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 11 | 0.85 |
| 110-82-7 | Cyclohexane | ND | | 22 | 0.72 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 22 | 2.8 |
| 106-93-4 | Ethylene Dibromide | ND | | 11 | 1.1 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 11 | 1.1 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 11 | 0.78 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-1 | Lab Sample ID: 240-20760-5

Matrix: Solid | Lab File ID: UX83310.D

Analysis Method: 8260B | Date Collected: 02/05/2013 15:05

Sample wt/vol: 5.07(g) | Date Analyzed: 02/08/2013 06:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 54.6 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 11 | 0.89 |
| 98-82-8 | Isopropylbenzene | ND | | 11 | 0.35 |
| 79-20-9 | Methyl acetate | ND | | 22 | 3.0 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 43 | 0.93 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 11 | 2.8 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 11 | 0.59 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 11 | 0.78 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 11 | 0.76 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 11 | 1.4 |
| 75-69-4 | Trichlorofluoromethane | ND | | 11 | 0.74 |
| 124-48-1 | Chlorodibromomethane | ND | | 11 | 1.2 |
| 108-87-2 | Methylcyclohexane | ND | | 22 | 0.67 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 87 | | 58-123 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 76 | | 52-136 |
| 2037-26-5 | Toluene-d8 (Surr) | 110 | | 67-125 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 95 | | 37-132 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83310.D
Lims ID: 240-20760-B-5-A Client ID: SED-1
Inject. Date: 08-Feb-2013 06:20:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017213-023
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 74675 Lims Sample ID: 23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:24:37 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 08-Feb-2013 09:51:41

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.156 | 0.0 | 99 | 1509462 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.688 | 7.687 | 0.001 | 89 | 978177 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.876 | 9.875 | 0.001 | 98 | 277697 | 50.0 | s |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.624 | 4.627 | -0.003 | 58 | 309729 | 47.3 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.884 | 4.887 | -0.003 | 91 | 370995 | 43.7 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.422 | 6.425 | -0.003 | 95 | 1143661 | 54.8 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.764 | 8.755 | 0.009 | 92 | 283329 | 38.1 | |
| 12 Dichlorodifluoromethane | 85 | | 1.575 | | | | | |
| 13 Chloromethane | 50 | | 1.753 | | | | | |
| 14 Vinyl chloride | 62 | | 1.871 | | | | | |
| 15 Bromomethane | 94 | | 2.190 | | | | | |
| 16 Chloroethane | 64 | | 2.285 | | | | | |
| 18 Trichlorofluoromethane | 101 | | 2.510 | | | | | |
| 21 1,1-Dichloroethene | 96 | | 2.935 | | | | | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.947 | | | | | |
| 22 Acetone | 43 | 2.956 | 2.959 | -0.003 | 96 | 147892 | 33.1 | |
| 26 Carbon disulfide | 76 | | 3.113 | | | | | 9 |
| 28 Methyl acetate | 43 | | 3.219 | | | | | 9 |
| 30 Methylene Chloride | 84 | | 3.302 | | | | | |
| 34 Methyl tert-butyl ether | 73 | | 3.515 | | | | | |
| 33 trans-1,2-Dichloroethene | 96 | | 3.527 | | | | | |
| 36 1,1-Dichloroethane | 63 | | 3.834 | | | | | |
| 42 cis-1,2-Dichloroethene | 96 | | 4.272 | | | | | 9 |
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.272 | -0.003 | 93 | 58975 | 9.45 | |
| 49 Chloroform | 83 | | 4.509 | | | | | |
| 50 1,1,1-Trichloroethane | 97 | | 4.662 | | | | | |
| 51 Cyclohexane | 56 | | 4.722 | | | | | |
| 53 Carbon tetrachloride | 117 | | 4.804 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.946 | | | | | |
| 55 Benzene | 78 | 4.943 | 4.946 | -0.003 | 57 | 8628 | 0.3432 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 60 Trichloroethene | 130 | | 5.443 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.609 | | | | | |
| 62 1,2-Dichloropropane | 63 | | 5.621 | | | | | |
| 67 Dichlorobromomethane | 83 | | 5.822 | | | | | |
| 70 cis-1,3-Dichloropropene | 75 | | 6.188 | | | | | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | | 6.295 | | | | | 9 |
| 72 Toluene | 91 | | 6.484 | | | | | 9 |
| 73 trans-1,3-Dichloropropene | 75 | | 6.638 | | | | | |
| 75 1,1,2-Trichloroethane | 97 | | 6.803 | | | | | |
| 77 Tetrachloroethene | 164 | | 6.957 | | | | | |
| 78 2-Hexanone | 43 | 7.002 | 7.004 | -0.002 | 30 | 3451 | 0.4993 | |
| 79 Chlorodibromomethane | 129 | | 7.158 | | | | | |
| 123 Ethylene Dibromide | 107 | | 7.276 | | | | | |
| 82 Chlorobenzene | 112 | | 7.714 | | | | | |
| 84 Ethylbenzene | 106 | | 7.797 | | | | | 9 |
| 10 m-Xylene & p-Xylene | 106 | | 7.903 | | | | | 9 |
| 85 o-Xylene | 106 | | 8.270 | | | | | |
| 86 Styrene | 104 | | 8.282 | | | | | |
| 87 Bromoform | 173 | | 8.459 | | | | | |
| 88 Isopropylbenzene | 105 | | 8.613 | | | | | |
| 90 1,1,2,2-Tetrachloroethane | 83 | | 8.873 | | | | | |
| 100 1,3-Dichlorobenzene | 146 | | 9.820 | | | | | |
| 102 1,4-Dichlorobenzene | 146 | | 9.902 | | | | | |
| 106 1,2-Dichlorobenzene | 146 | | 10.269 | | | | | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | | 11.026 | | | | | |
| 109 1,2,4-Trichlorobenzene | 180 | | 11.854 | | | | | |
| S 114 Xylenes, Total | 106 | | 16.530 | | | | | |

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

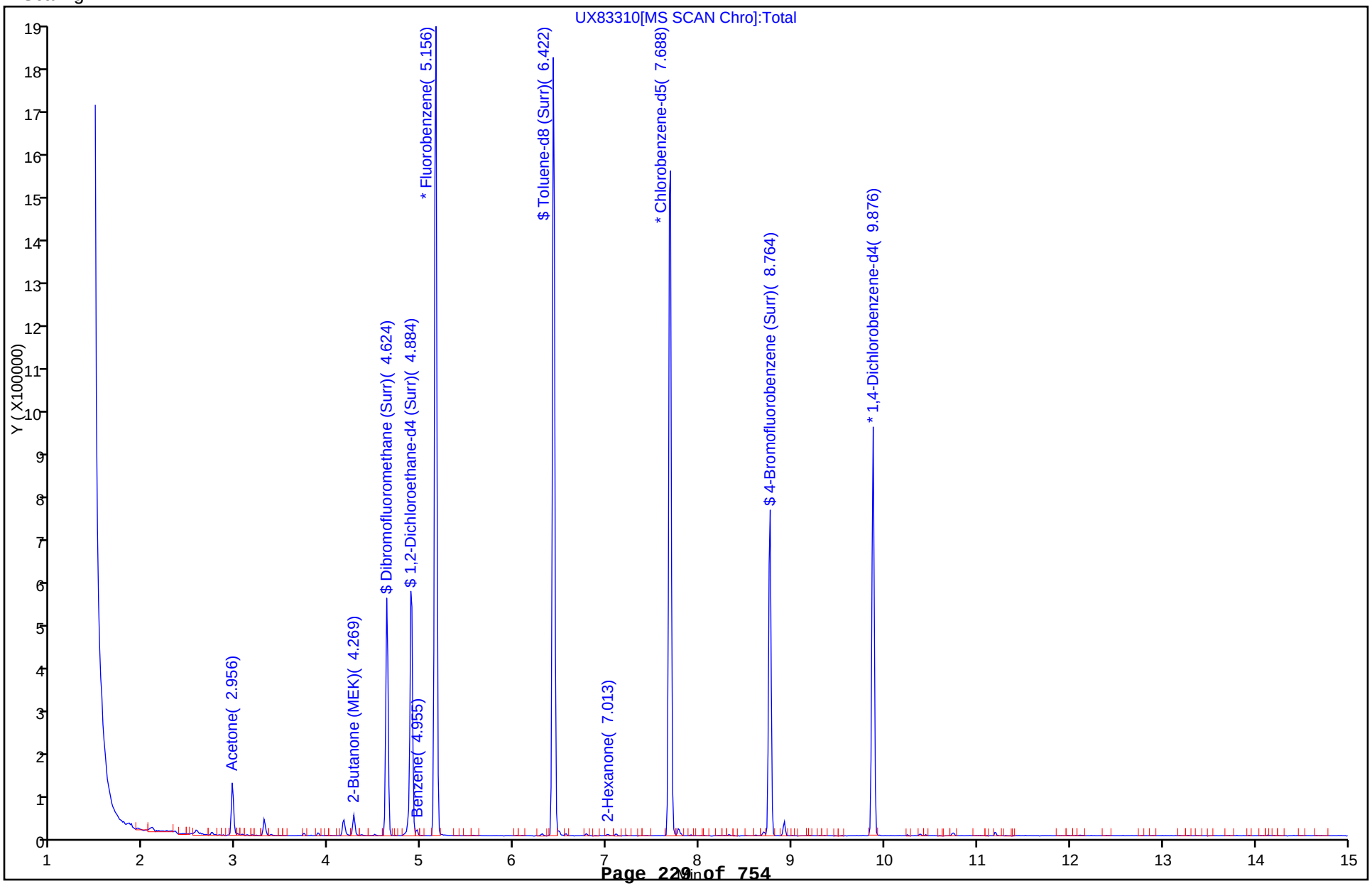
Report Date: 09-Feb-2013 03:24:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83310.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 06:20:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SED-1 | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 23 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



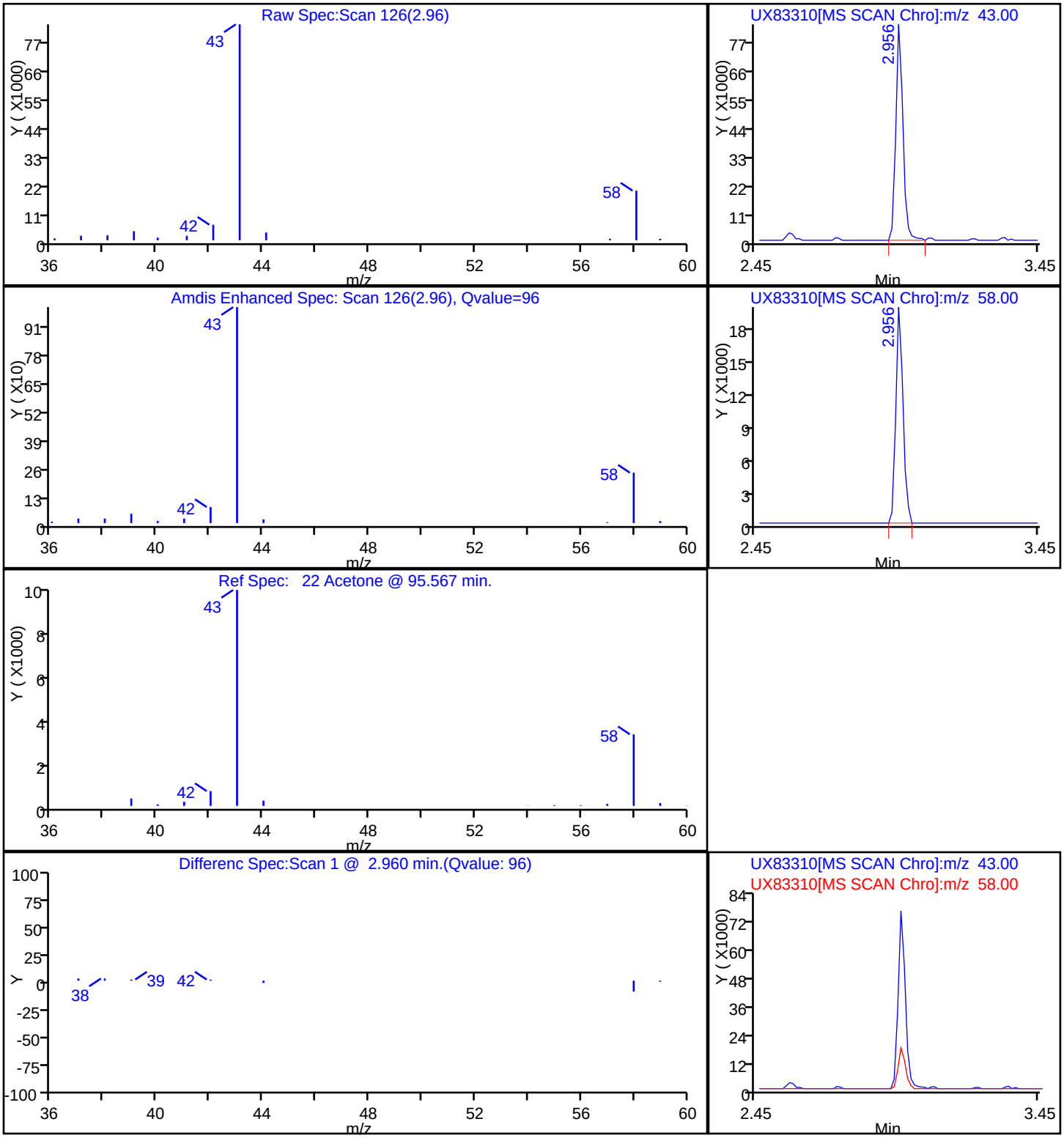
Report Date: 09-Feb-2013 03:24:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83310.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 06:20:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SED-1 | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 23 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

22 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-DUP | Lab Sample ID: 240-20760-6

Matrix: Solid | Lab File ID: UX83311.D

Analysis Method: 8260B | Date Collected: 02/05/2013 15:05

Sample wt/vol: 5.43(g) | Date Analyzed: 02/08/2013 06:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 56.9 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 56 | | 43 | 13 |
| 71-43-2 | Benzene | ND | | 11 | 0.49 |
| 75-27-4 | Dichlorobromomethane | ND | | 11 | 0.60 |
| 75-25-2 | Bromoform | ND | | 11 | 0.70 |
| 74-83-9 | Bromomethane | ND | | 11 | 1.2 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 43 | 3.0 |
| 75-15-0 | Carbon disulfide | ND | | 11 | 0.94 |
| 56-23-5 | Carbon tetrachloride | ND | | 11 | 0.79 |
| 108-90-7 | Chlorobenzene | ND | | 11 | 0.70 |
| 75-00-3 | Chloroethane | ND | | 11 | 1.8 |
| 67-66-3 | Chloroform | ND | | 11 | 0.62 |
| 74-87-3 | Chloromethane | ND | | 11 | 0.88 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 11 | 0.77 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 11 | 0.73 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 11 | 1.1 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 11 | 1.5 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 11 | 0.73 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 11 | 1.2 |
| 100-41-4 | Ethylbenzene | ND | | 11 | 0.56 |
| 591-78-6 | 2-Hexanone | ND | | 43 | 1.3 |
| 75-09-2 | Methylene Chloride | ND | | 11 | 1.4 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 43 | 1.2 |
| 100-42-5 | Styrene | ND | | 11 | 0.32 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 11 | 0.73 |
| 127-18-4 | Tetrachloroethene | ND | | 11 | 1.1 |
| 108-88-3 | Toluene | ND | | 11 | 0.58 |
| 79-01-6 | Trichloroethene | ND | | 11 | 0.90 |
| 75-01-4 | Vinyl chloride | ND | | 11 | 0.83 |
| 1330-20-7 | Xylenes, Total | ND | | 21 | 1.4 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 11 | 1.2 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 11 | 0.83 |
| 110-82-7 | Cyclohexane | ND | | 21 | 0.70 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 21 | 2.8 |
| 106-93-4 | Ethylene Dibromide | ND | | 11 | 1.1 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 11 | 1.1 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 11 | 0.77 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-DUP | Lab Sample ID: 240-20760-6

Matrix: Solid | Lab File ID: UX83311.D

Analysis Method: 8260B | Date Collected: 02/05/2013 15:05

Sample wt/vol: 5.43(g) | Date Analyzed: 02/08/2013 06:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 56.9 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 11 | 0.88 |
| 98-82-8 | Isopropylbenzene | ND | | 11 | 0.34 |
| 79-20-9 | Methyl acetate | ND | | 21 | 3.0 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 43 | 0.92 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 11 | 2.8 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 11 | 0.58 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 11 | 0.77 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 11 | 0.75 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 11 | 1.4 |
| 75-69-4 | Trichlorofluoromethane | ND | | 11 | 0.73 |
| 124-48-1 | Chlorodibromomethane | ND | | 11 | 1.2 |
| 108-87-2 | Methylcyclohexane | ND | | 21 | 0.66 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | | 58-123 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 80 | | 52-136 |
| 2037-26-5 | Toluene-d8 (Surr) | 104 | | 67-125 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 91 | | 37-132 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83311.D
Lims ID: 240-20760-B-6-A Client ID: SED-DUP
Inject. Date: 08-Feb-2013 06:41:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017213-024
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 74675 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:24:37 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 08-Feb-2013 09:52:06

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.157 | 5.156 | 0.001 | 99 | 1563884 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.688 | 7.687 | 0.001 | 90 | 1039799 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.877 | 9.875 | 0.002 | 98 | 324276 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.625 | 4.627 | -0.002 | 58 | 310567 | 45.7 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.885 | 4.887 | -0.002 | 92 | 387251 | 44.0 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.423 | 6.425 | -0.002 | 95 | 1158189 | 52.2 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.765 | 8.755 | 0.010 | 92 | 314946 | 39.9 | |
| 12 Dichlorodifluoromethane | 85 | | 1.575 | | | | | |
| 13 Chloromethane | 50 | | 1.753 | | | | | |
| 14 Vinyl chloride | 62 | | 1.871 | | | | | |
| 15 Bromomethane | 94 | | 2.190 | | | | | |
| 16 Chloroethane | 64 | | 2.285 | | | | | |
| 18 Trichlorofluoromethane | 101 | | 2.510 | | | | | |
| 21 1,1-Dichloroethene | 96 | | 2.935 | | | | | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.947 | | | | | |
| 22 Acetone | 43 | 2.957 | 2.959 | -0.002 | 97 | 122387 | 26.5 | |
| 26 Carbon disulfide | 76 | | 3.113 | | | | | 9 |
| 28 Methyl acetate | 43 | | 3.219 | | | | | |
| 30 Methylene Chloride | 84 | | 3.302 | | | | | |
| 34 Methyl tert-butyl ether | 73 | | 3.515 | | | | | |
| 33 trans-1,2-Dichloroethene | 96 | | 3.527 | | | | | |
| 36 1,1-Dichloroethane | 63 | | 3.834 | | | | | |
| 42 cis-1,2-Dichloroethene | 96 | | 4.272 | | | | | 9 |
| 41 2-Butanone (MEK) | 43 | 4.270 | 4.272 | -0.002 | 93 | 51842 | 8.02 | |
| 49 Chloroform | 83 | | 4.509 | | | | | |
| 50 1,1,1-Trichloroethane | 97 | | 4.662 | | | | | |
| 51 Cyclohexane | 56 | | 4.722 | | | | | |
| 53 Carbon tetrachloride | 117 | | 4.804 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.946 | | | | | |
| 55 Benzene | 78 | 4.956 | 4.946 | 0.010 | 54 | 7838 | 0.3009 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 60 Trichloroethene | 130 | | 5.443 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.609 | | | | | |
| 62 1,2-Dichloropropane | 63 | | 5.621 | | | | | |
| 67 Dichlorobromomethane | 83 | | 5.822 | | | | | |
| 70 cis-1,3-Dichloropropene | 75 | | 6.188 | | | | | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | | 6.295 | | | | | 9 |
| 72 Toluene | 91 | | 6.484 | | | | | 9 |
| 73 trans-1,3-Dichloropropene | 75 | | 6.638 | | | | | |
| 75 1,1,2-Trichloroethane | 97 | | 6.803 | | | | | |
| 77 Tetrachloroethene | 164 | | 6.957 | | | | | |
| 78 2-Hexanone | 43 | | 7.004 | | | | | 9 |
| 79 Chlorodibromomethane | 129 | | 7.158 | | | | | |
| 123 Ethylene Dibromide | 107 | | 7.276 | | | | | |
| 82 Chlorobenzene | 112 | | 7.714 | | | | | |
| 84 Ethylbenzene | 106 | | 7.797 | | | | | 9 |
| 10 m-Xylene & p-Xylene | 106 | | 7.903 | | | | | |
| 85 o-Xylene | 106 | | 8.270 | | | | | |
| 86 Styrene | 104 | | 8.282 | | | | | |
| 87 Bromoform | 173 | | 8.459 | | | | | |
| 88 Isopropylbenzene | 105 | | 8.613 | | | | | |
| 90 1,1,2,2-Tetrachloroethane | 83 | | 8.873 | | | | | |
| 100 1,3-Dichlorobenzene | 146 | | 9.820 | | | | | |
| 102 1,4-Dichlorobenzene | 146 | | 9.902 | | | | | |
| 106 1,2-Dichlorobenzene | 146 | | 10.269 | | | | | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | | 11.026 | | | | | |
| 109 1,2,4-Trichlorobenzene | 180 | | 11.854 | | | | | |
| S 114 Xylenes, Total | 106 | | 16.530 | | | | | |

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

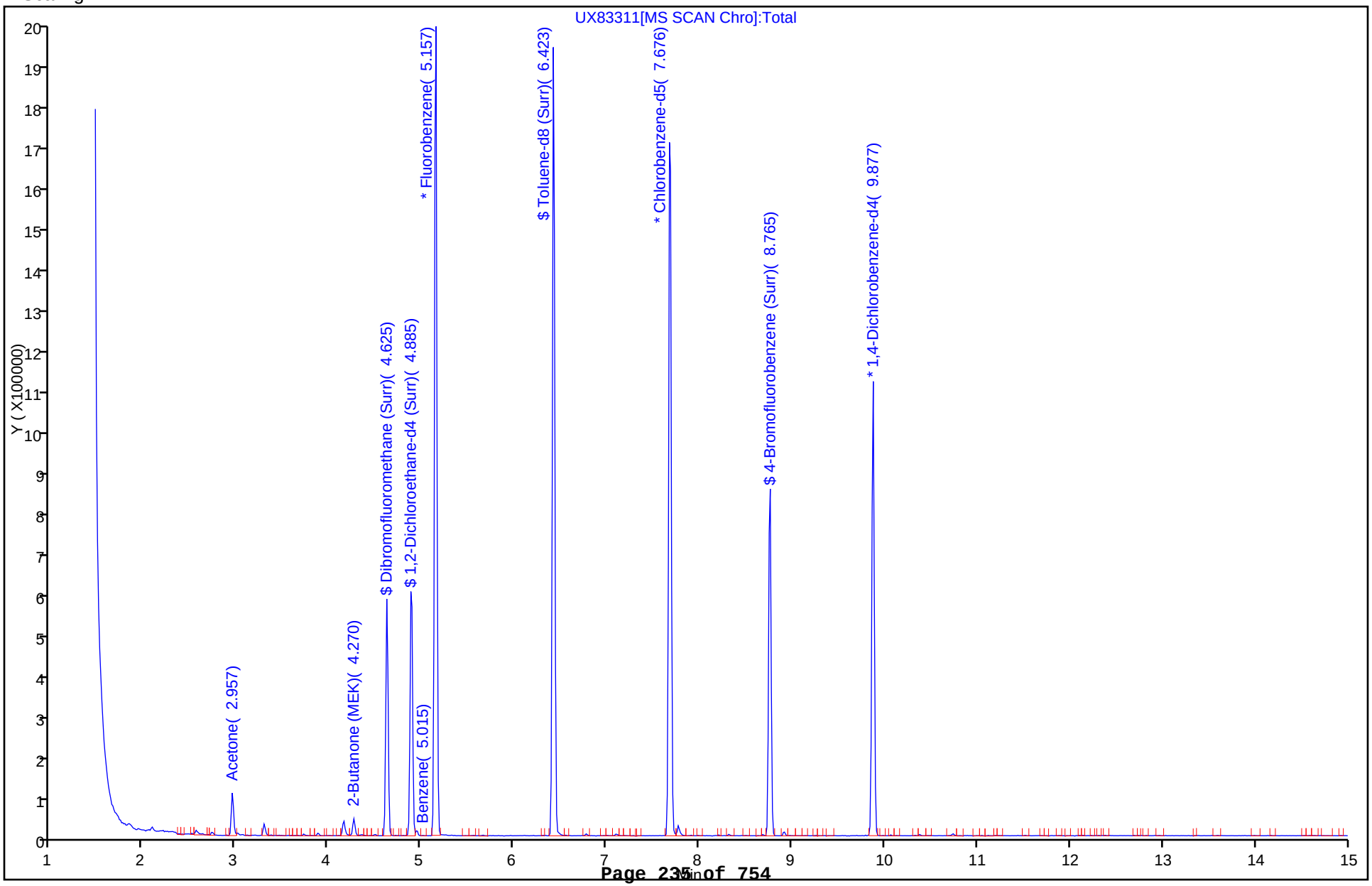
Report Date: 09-Feb-2013 03:24:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83311.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 06:41:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SED-DUP | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 24 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



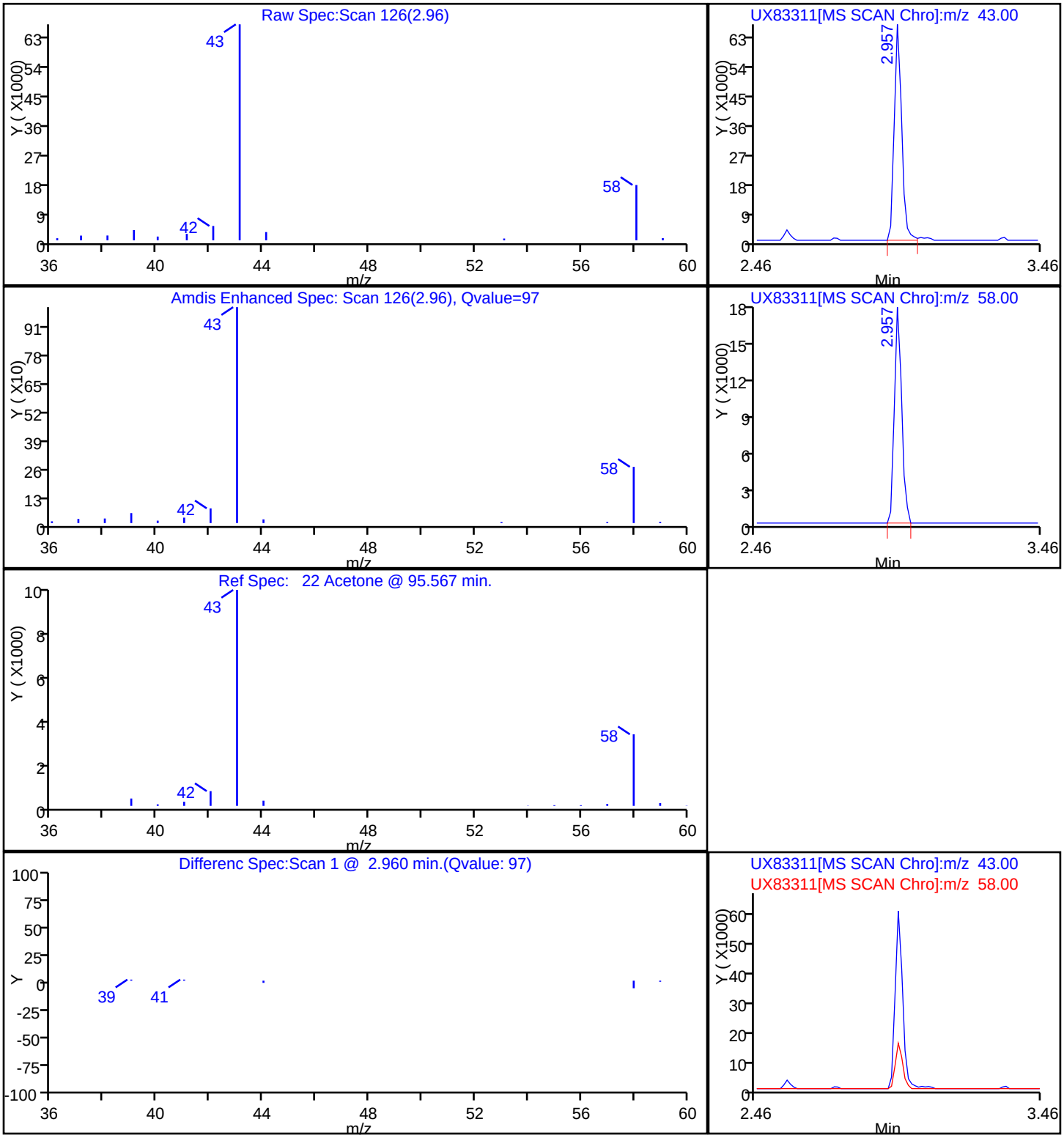
Report Date: 09-Feb-2013 03:24:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83311.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 06:41:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SED-DUP | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 24 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

22 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: TRIP BLANK1 | Lab Sample ID: 240-20760-7

Matrix: Water | Lab File ID: UXR6298.D

Analysis Method: 8260B | Date Collected: 02/06/2013 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 15:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: TRIP BLANK1 | Lab Sample ID: 240-20760-7

Matrix: Water | Lab File ID: UXR6298.D

Analysis Method: 8260B | Date Collected: 02/06/2013 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 15:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 80 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 98 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6298.D
Lims ID: 240-20760-B-7 Client ID: TRIP BLANK1
Inject. Date: 11-Feb-2013 15:18:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017265-007
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 74898 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m
Last Update: 12-Feb-2013 09:53:42 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1587631 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.479 | -0.012 | 84 | 1259687 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 673904 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 313745 | 8.72 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 403290 | 8.75 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.139 | 0.0 | 93 | 1312615 | 8.03 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 93 | 425048 | 7.13 | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.826 | | | | | 9 |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.301 | | | | | |
| 19 Chloroethane | 64 | | 2.407 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.178 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.190 | | | | | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 95 | 87154 | 7.09 | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | 9 |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.779 | 0.012 | 69 | 5521 | 0.3398 | |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 63 Trichloroethene | 130 | | 6.072 | | | | | |
| 65 Methylcyclohexane | 83 | | 6.238 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | 9 |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | | 7.696 | | | | | 9 |
| 82 2-Hexanone | 43 | | 7.779 | | | | | 9 |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 87 Chlorobenzene | 112 | | 8.503 | | | | | |
| 89 Ethylbenzene | 106 | | 8.586 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | 9 |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | 9 |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

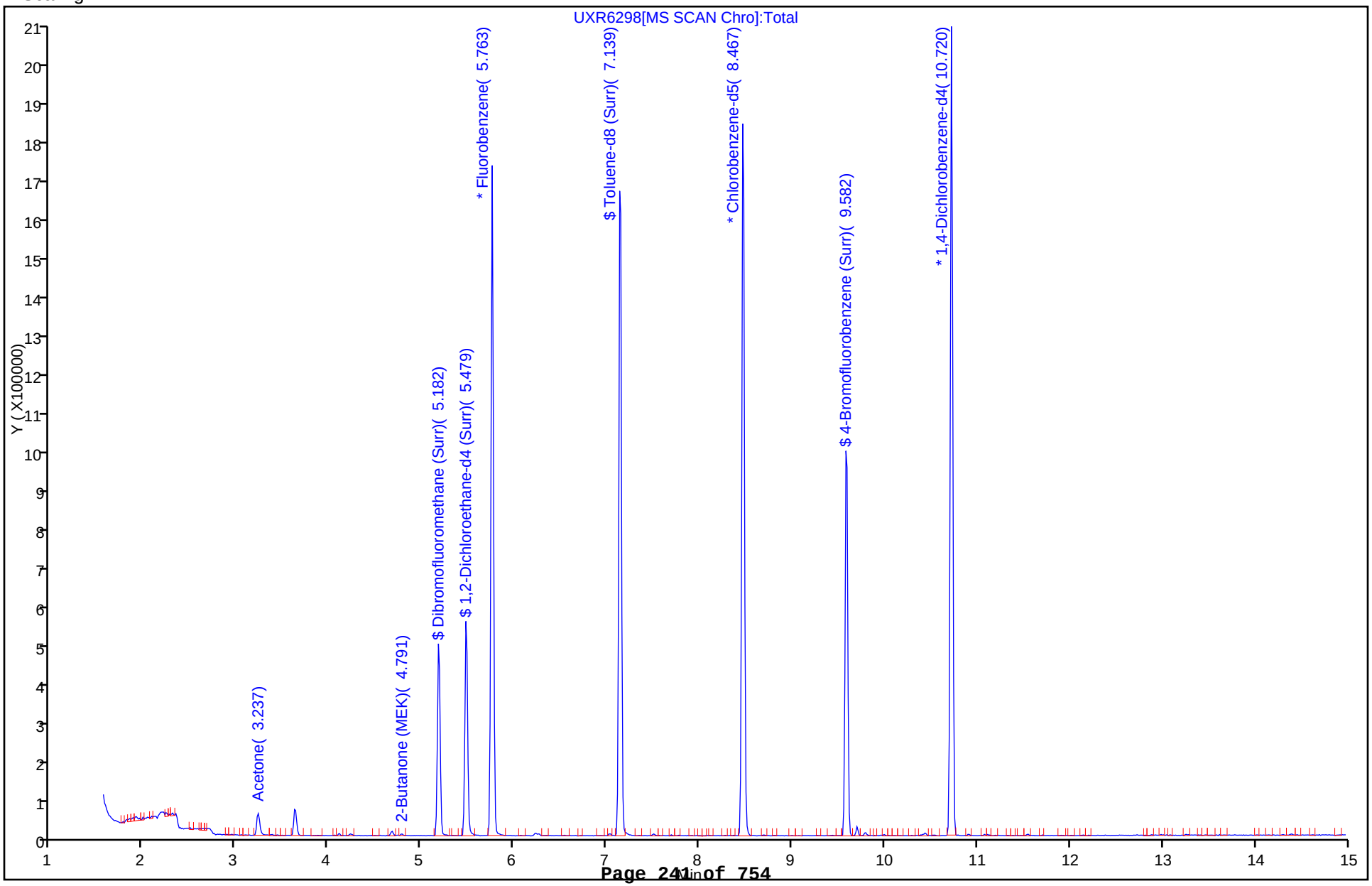
Report Date: 12-Feb-2013 09:53:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6298.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 15:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | TRIP BLANK1 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 7 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-2 | Lab Sample ID: 240-20760-8

Matrix: Water | Lab File ID: UXR6304.D

Analysis Method: 8260B | Date Collected: 02/06/2013 09:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 17:33

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 100 | 11 |
| 71-43-2 | Benzene | ND | | 10 | 1.3 |
| 75-27-4 | Dichlorobromomethane | ND | | 10 | 1.5 |
| 75-25-2 | Bromoform | ND | | 10 | 6.4 |
| 74-83-9 | Bromomethane | ND | | 10 | 4.1 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 100 | 5.7 |
| 75-15-0 | Carbon disulfide | ND | | 10 | 1.3 |
| 56-23-5 | Carbon tetrachloride | ND | | 10 | 1.3 |
| 108-90-7 | Chlorobenzene | ND | | 10 | 1.5 |
| 75-00-3 | Chloroethane | ND | | 10 | 2.9 |
| 67-66-3 | Chloroform | ND | | 10 | 1.6 |
| 74-87-3 | Chloromethane | ND | | 10 | 3.0 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 10 | 1.5 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 10 | 2.2 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 10 | 1.9 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 10 | 1.8 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 10 | 1.4 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 10 | 1.9 |
| 100-41-4 | Ethylbenzene | ND | | 10 | 1.7 |
| 591-78-6 | 2-Hexanone | ND | | 100 | 4.1 |
| 75-09-2 | Methylene Chloride | ND | | 10 | 3.3 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 100 | 3.2 |
| 100-42-5 | Styrene | ND | | 10 | 1.1 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 10 | 1.8 |
| 127-18-4 | Tetrachloroethene | 180 | | 10 | 2.9 |
| 108-88-3 | Toluene | ND | | 10 | 1.3 |
| 79-01-6 | Trichloroethene | 26 | | 10 | 1.7 |
| 75-01-4 | Vinyl chloride | ND | | 10 | 2.2 |
| 1330-20-7 | Xylenes, Total | ND | | 20 | 2.8 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 10 | 2.2 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 10 | 2.7 |
| 110-82-7 | Cyclohexane | ND | | 10 | 1.2 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 20 | 6.7 |
| 106-93-4 | Ethylene Dibromide | ND | | 10 | 2.4 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 10 | 3.1 |
| 156-59-2 | cis-1,2-Dichloroethene | 330 | | 10 | 1.7 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-2 | Lab Sample ID: 240-20760-8

Matrix: Water | Lab File ID: UXR6304.D

Analysis Method: 8260B | Date Collected: 02/06/2013 09:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 17:33

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 10 | 1.9 |
| 98-82-8 | Isopropylbenzene | ND | | 10 | 1.3 |
| 79-20-9 | Methyl acetate | ND | | 100 | 3.8 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 50 | 1.7 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 10 | 2.8 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 10 | 1.5 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 10 | 1.3 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 10 | 1.4 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 10 | 1.3 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 10 | 2.1 |
| 124-48-1 | Chlorodibromomethane | ND | | 10 | 1.8 |
| 108-87-2 | Methylcyclohexane | ND | | 10 | 1.3 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 96 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 78 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6304.D
Lims ID: 240-20760-B-8 Client ID: OW-2
Inject. Date: 11-Feb-2013 17:33:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0017265-013
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 74898 Lims Sample ID: 13
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m
Last Update: 12-Feb-2013 09:53:42 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1610423 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1270044 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 663428 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 312507 | 8.57 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 401330 | 8.59 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 93 | 1283561 | 7.79 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 92 | 418005 | 6.96 | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.826 | | | | | |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.301 | | | | | 9 |
| 19 Chloroethane | 64 | | 2.407 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.178 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.190 | | | | | |
| 27 Acetone | 43 | | 3.237 | | | | | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.878 | 0.012 | 55 | 4684 | 0.1095 | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 66 | 1536396 | 33.1 | |
| 46 2-Butanone (MEK) | 43 | | 4.779 | | | | | |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 63 Trichloroethene | 130 | 6.083 | 6.072 | 0.011 | 92 | 116483 | 2.55 | |
| 65 Methylcyclohexane | 83 | | 6.238 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 659606 | 17.6 | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 87 Chlorobenzene | 112 | | 8.503 | | | | | |
| 89 Ethylbenzene | 106 | | 8.586 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

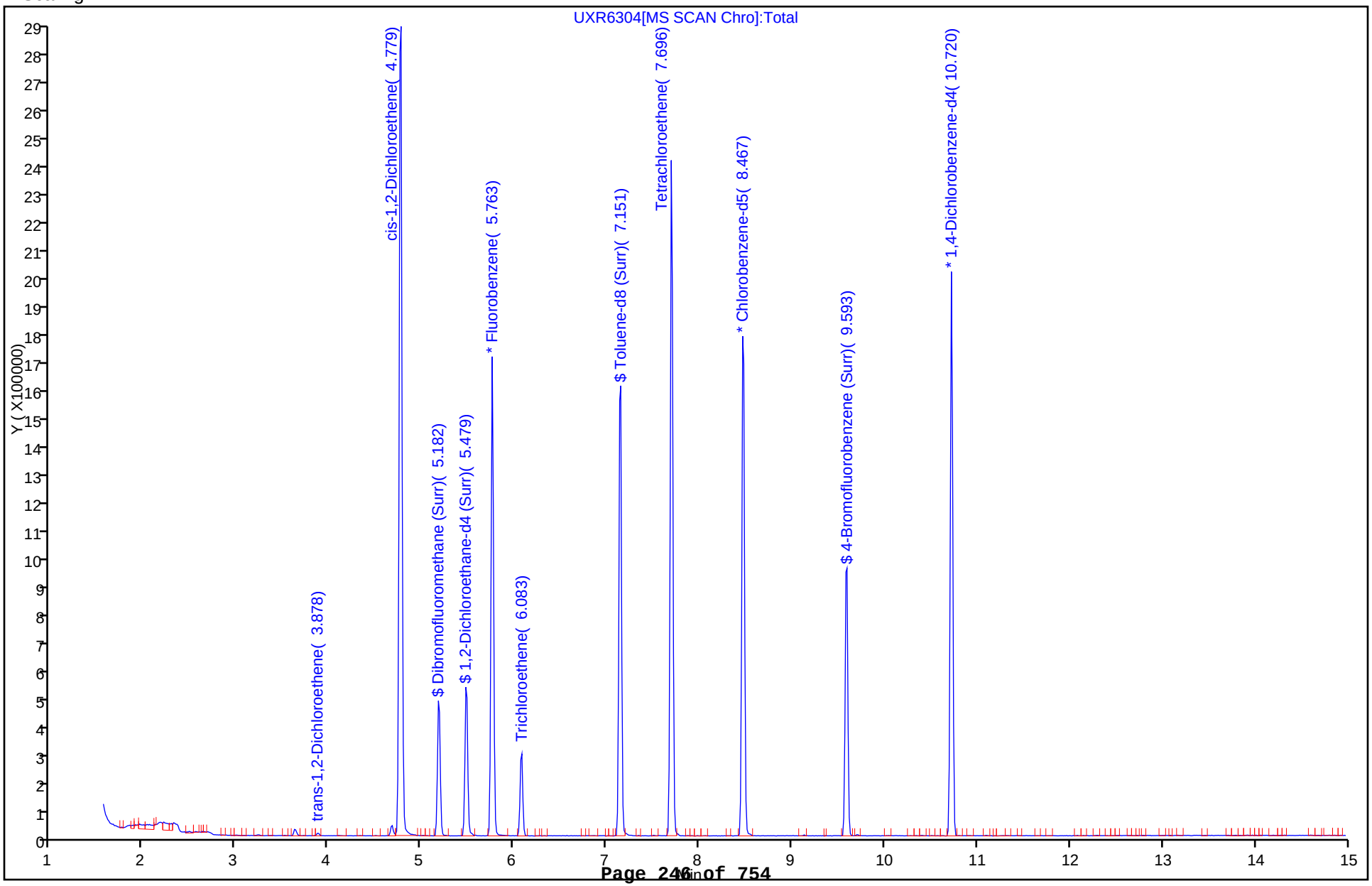
Report Date: 12-Feb-2013 09:53:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6304.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:33:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-2 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 13 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



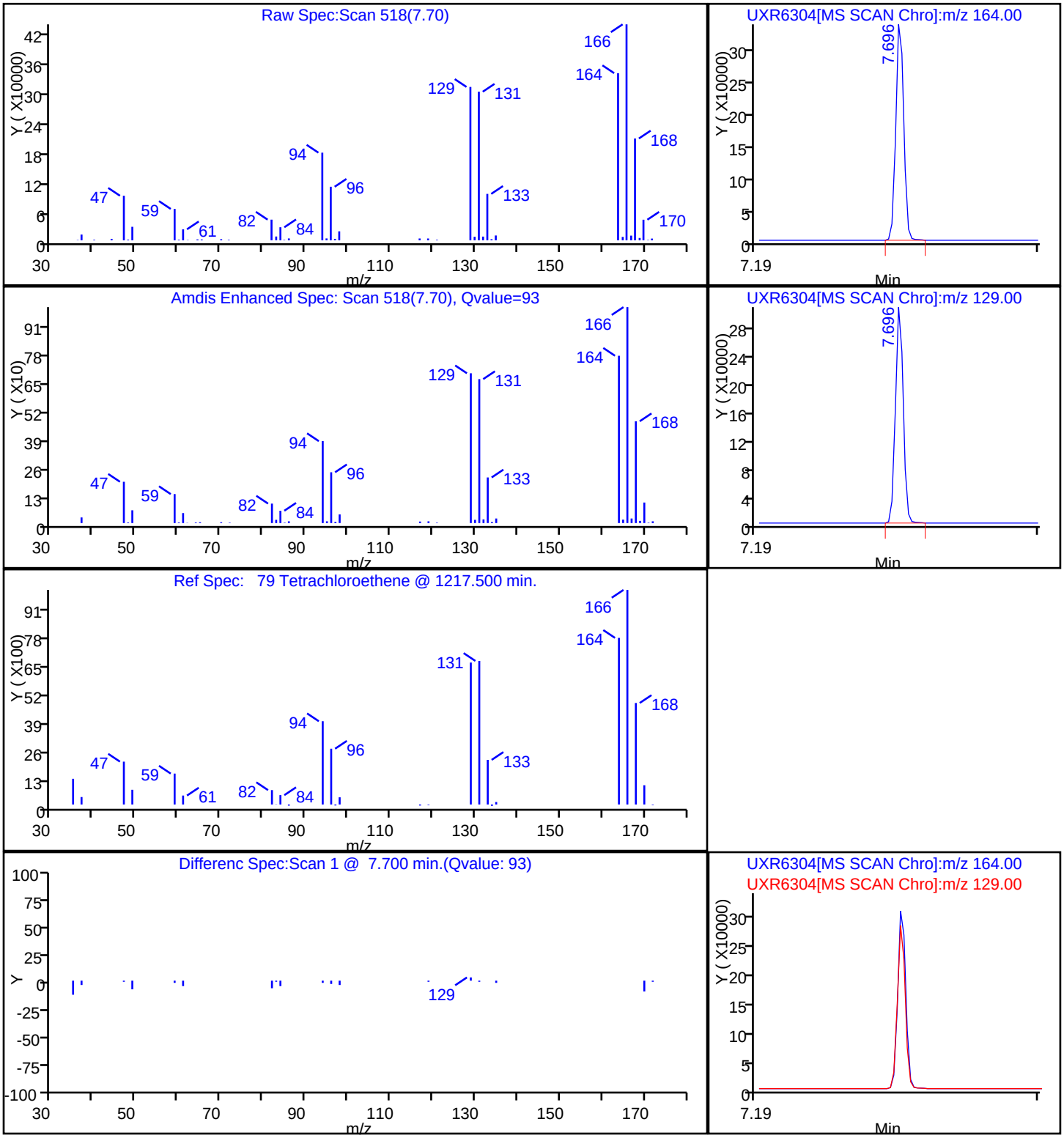
Report Date: 12-Feb-2013 09:53:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6304.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:33:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-2 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 13 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

79 Tetrachloroethene



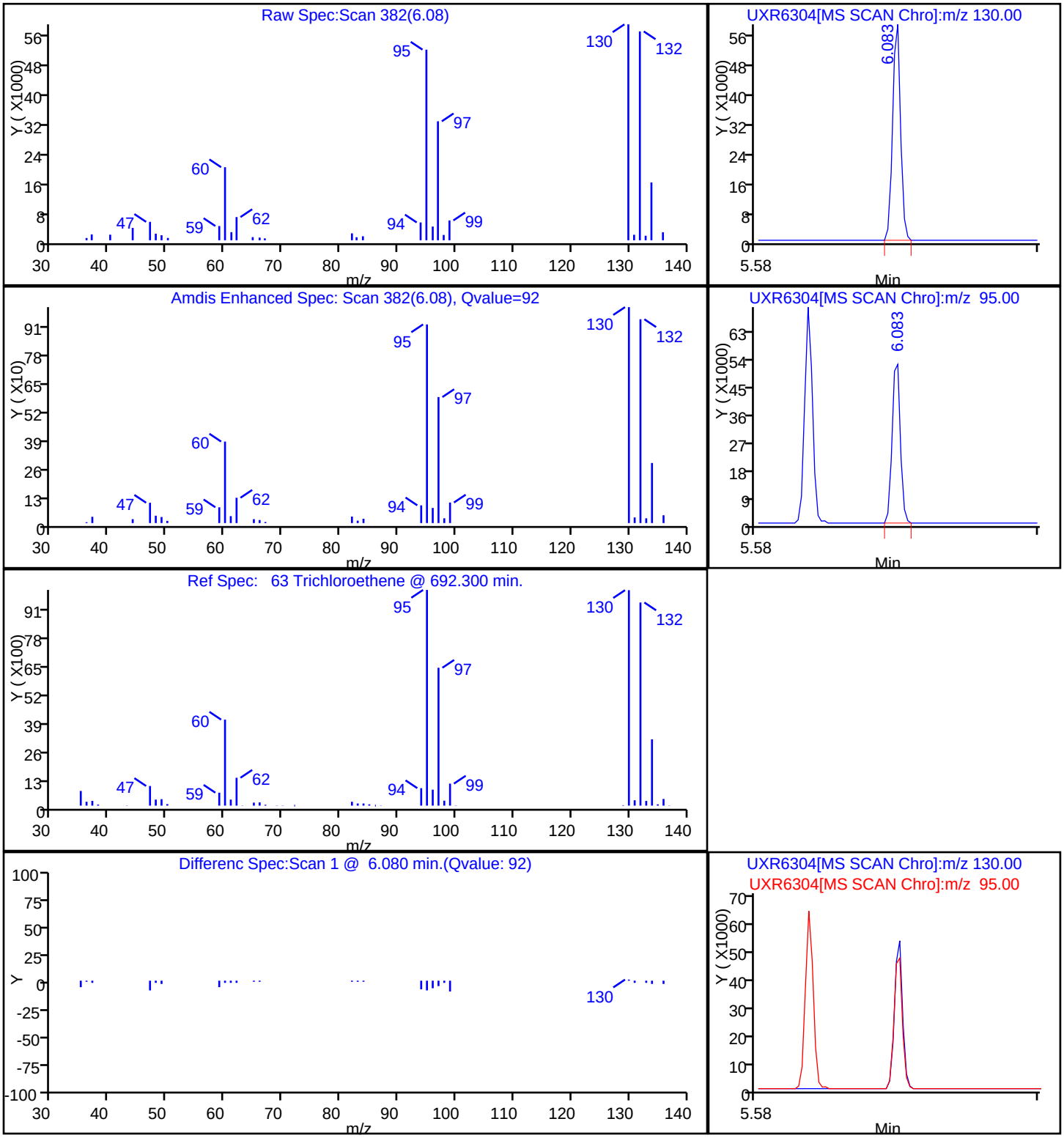
Report Date: 12-Feb-2013 09:53:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6304.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:33:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-2 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 13 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

63 Trichloroethene



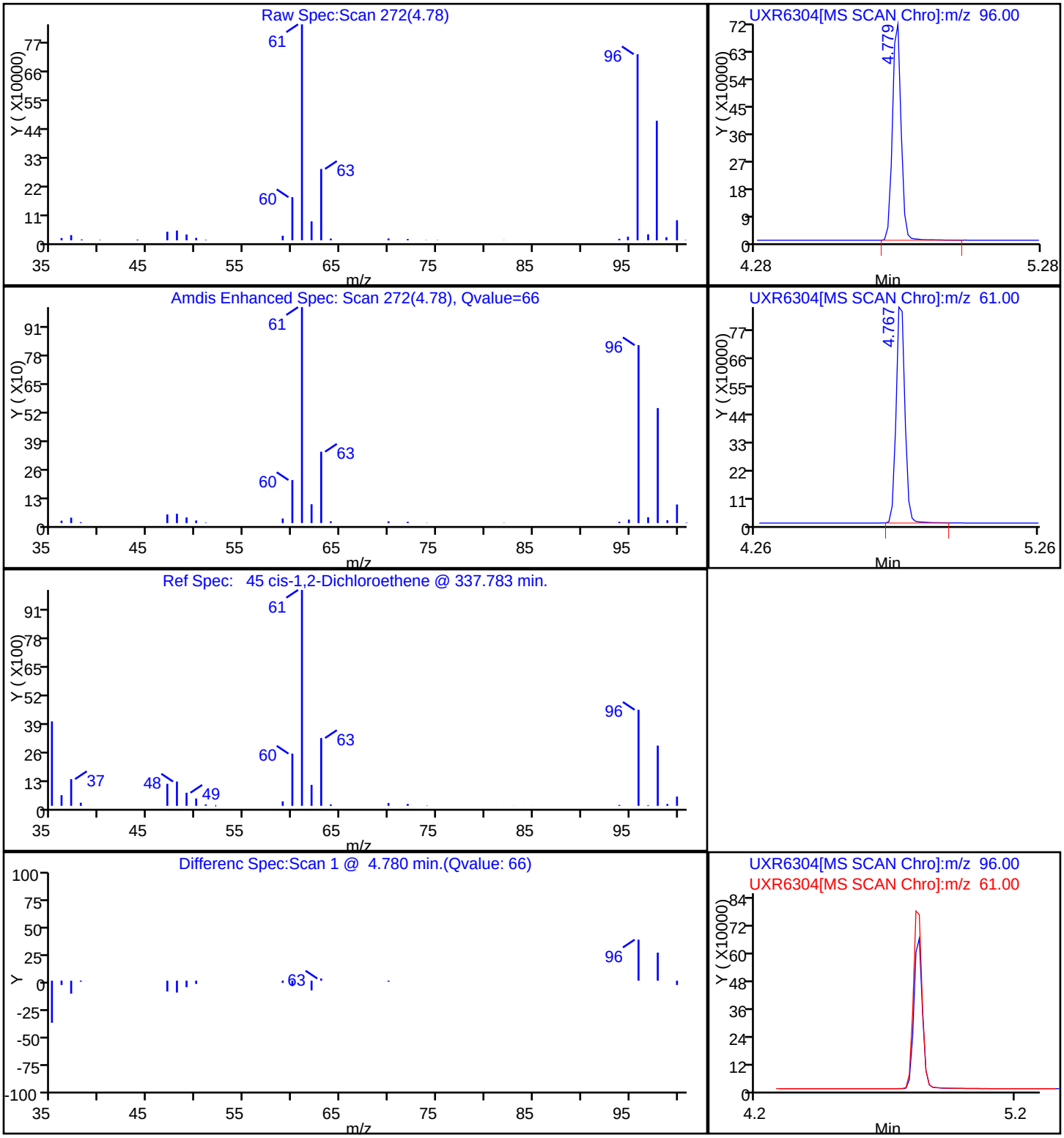
Report Date: 12-Feb-2013 09:53:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6304.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:33:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-2 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 13 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

45 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: FIELD BLANK1 | Lab Sample ID: 240-20760-9

Matrix: Water | Lab File ID: UXR6305.D

Analysis Method: 8260B | Date Collected: 02/06/2013 10:20

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 17:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: FIELD BLANK1 | Lab Sample ID: 240-20760-9

Matrix: Water | Lab File ID: UXR6305.D

Analysis Method: 8260B | Date Collected: 02/06/2013 10:20

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 17:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 79 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 95 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6305.D
Lims ID: 240-20760-B-9 Client ID: FIELD BLANK1
Inject. Date: 11-Feb-2013 17:56:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017265-014
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 74898 Lims Sample ID: 14
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m
Last Update: 12-Feb-2013 09:53:42 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1568517 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 85 | 1224701 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 656506 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 58 | 301311 | 8.48 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 398057 | 8.74 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1240764 | 7.80 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 90 | 406078 | 7.01 | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.826 | | | | | |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.301 | | | | | |
| 19 Chloroethane | 64 | | 2.407 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.178 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.190 | | | | | |
| 27 Acetone | 43 | | 3.237 | | | | | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | 9 |
| 46 2-Butanone (MEK) | 43 | | 4.779 | | | | | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 51 | 10301 | 0.1469 | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 63 Trichloroethene | 130 | | 6.072 | | | | | |
| 65 Methylcyclohexane | 83 | | 6.238 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | | 7.696 | | | | | 9 |
| 82 2-Hexanone | 43 | | 7.779 | | | | | |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 87 Chlorobenzene | 112 | | 8.503 | | | | | |
| 89 Ethylbenzene | 106 | | 8.586 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

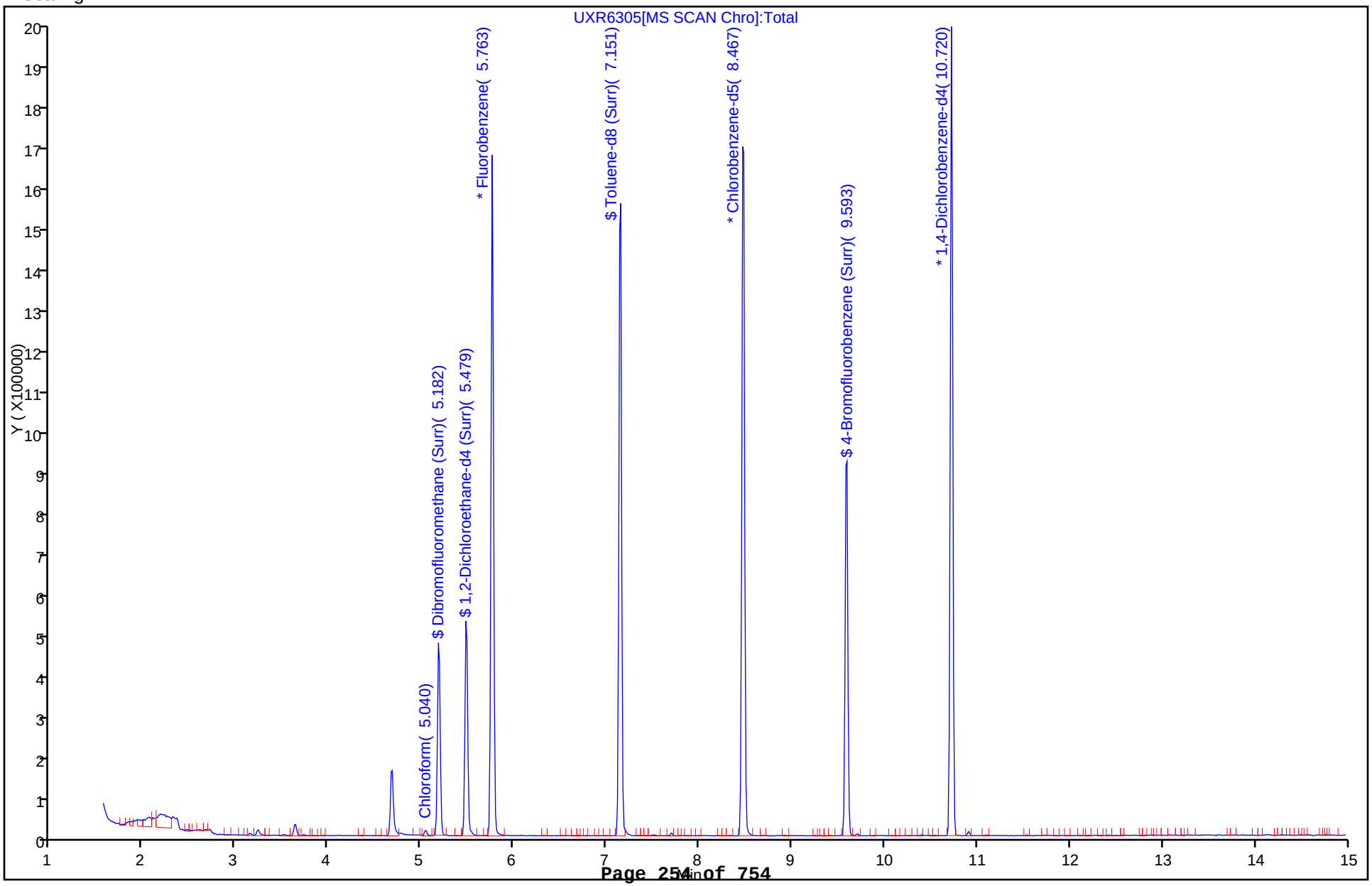
Report Date: 12-Feb-2013 09:53:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6305.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:56:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | FIELD BLANK1 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 14 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-6 | Lab Sample ID: 240-20760-10

Matrix: Water | Lab File ID: UXR6306.D

Analysis Method: 8260B | Date Collected: 02/06/2013 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 18:18

Soil Aliquot Vol: | Dilution Factor: 1.25

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 13 | 1.4 |
| 71-43-2 | Benzene | ND | | 1.3 | 0.16 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.3 | 0.19 |
| 75-25-2 | Bromoform | ND | | 1.3 | 0.80 |
| 74-83-9 | Bromomethane | ND | | 1.3 | 0.51 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 13 | 0.71 |
| 75-15-0 | Carbon disulfide | ND | | 1.3 | 0.16 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.3 | 0.16 |
| 108-90-7 | Chlorobenzene | ND | | 1.3 | 0.19 |
| 75-00-3 | Chloroethane | ND | | 1.3 | 0.36 |
| 67-66-3 | Chloroform | ND | | 1.3 | 0.20 |
| 74-87-3 | Chloromethane | ND | | 1.3 | 0.38 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.3 | 0.19 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.3 | 0.28 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.3 | 0.24 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.3 | 0.23 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.3 | 0.18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.3 | 0.24 |
| 100-41-4 | Ethylbenzene | ND | | 1.3 | 0.21 |
| 591-78-6 | 2-Hexanone | ND | | 13 | 0.51 |
| 75-09-2 | Methylene Chloride | ND | | 1.3 | 0.41 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 13 | 0.40 |
| 100-42-5 | Styrene | ND | | 1.3 | 0.14 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.3 | 0.23 |
| 127-18-4 | Tetrachloroethene | 44 | | 1.3 | 0.36 |
| 108-88-3 | Toluene | ND | | 1.3 | 0.16 |
| 79-01-6 | Trichloroethene | 8.9 | | 1.3 | 0.21 |
| 75-01-4 | Vinyl chloride | ND | | 1.3 | 0.28 |
| 1330-20-7 | Xylenes, Total | ND | | 2.5 | 0.35 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.3 | 0.28 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.3 | 0.34 |
| 110-82-7 | Cyclohexane | ND | | 1.3 | 0.15 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.5 | 0.84 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.3 | 0.30 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.3 | 0.39 |
| 156-59-2 | cis-1,2-Dichloroethene | 19 | | 1.3 | 0.21 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-6 | Lab Sample ID: 240-20760-10

Matrix: Water | Lab File ID: UXR6306.D

Analysis Method: 8260B | Date Collected: 02/06/2013 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 18:18

Soil Aliquot Vol: | Dilution Factor: 1.25

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.3 | 0.24 |
| 98-82-8 | Isopropylbenzene | ND | | 1.3 | 0.16 |
| 79-20-9 | Methyl acetate | ND | | 13 | 0.48 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 6.3 | 0.21 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.3 | 0.35 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.3 | 0.19 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.3 | 0.16 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.3 | 0.18 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.3 | 0.16 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.3 | 0.26 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.3 | 0.23 |
| 108-87-2 | Methylcyclohexane | ND | | 1.3 | 0.16 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 104 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 83 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 102 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6306.D
Lims ID: 240-20760-B-10 Client ID: OW-6
Inject. Date: 11-Feb-2013 18:18:30 Dil. Factor: 1.2500
Sample Type: Client
Sample ID: 240-0017265-015
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 14
Lims Batch ID: 74898 Lims Sample ID: 15
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m
Last Update: 12-Feb-2013 09:53:42 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1449463 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 85 | 1160653 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 596968 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 58 | 297484 | 9.06 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 390386 | 9.28 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1232314 | 8.18 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 407437 | 7.42 | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.826 | | | | | |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.301 | | | | | 9 |
| 19 Chloroethane | 64 | | 2.407 | | | | | 9 |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.178 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.190 | | | | | |
| 27 Acetone | 43 | | 3.237 | | | | | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | 9 |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 67 | 639690 | 15.3 | |
| 46 2-Butanone (MEK) | 43 | | 4.779 | | | | | 9 |
| 52 Chloroform | 83 | | 5.040 | | | | | 9 |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 63 Trichloroethene | 130 | 6.084 | 6.072 | 0.012 | 94 | 292717 | 7.13 | |
| 65 Methylcyclohexane | 83 | | 6.238 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 1198002 | 34.9 | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 87 Chlorobenzene | 112 | | 8.503 | | | | | |
| 89 Ethylbenzene | 106 | | 8.586 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

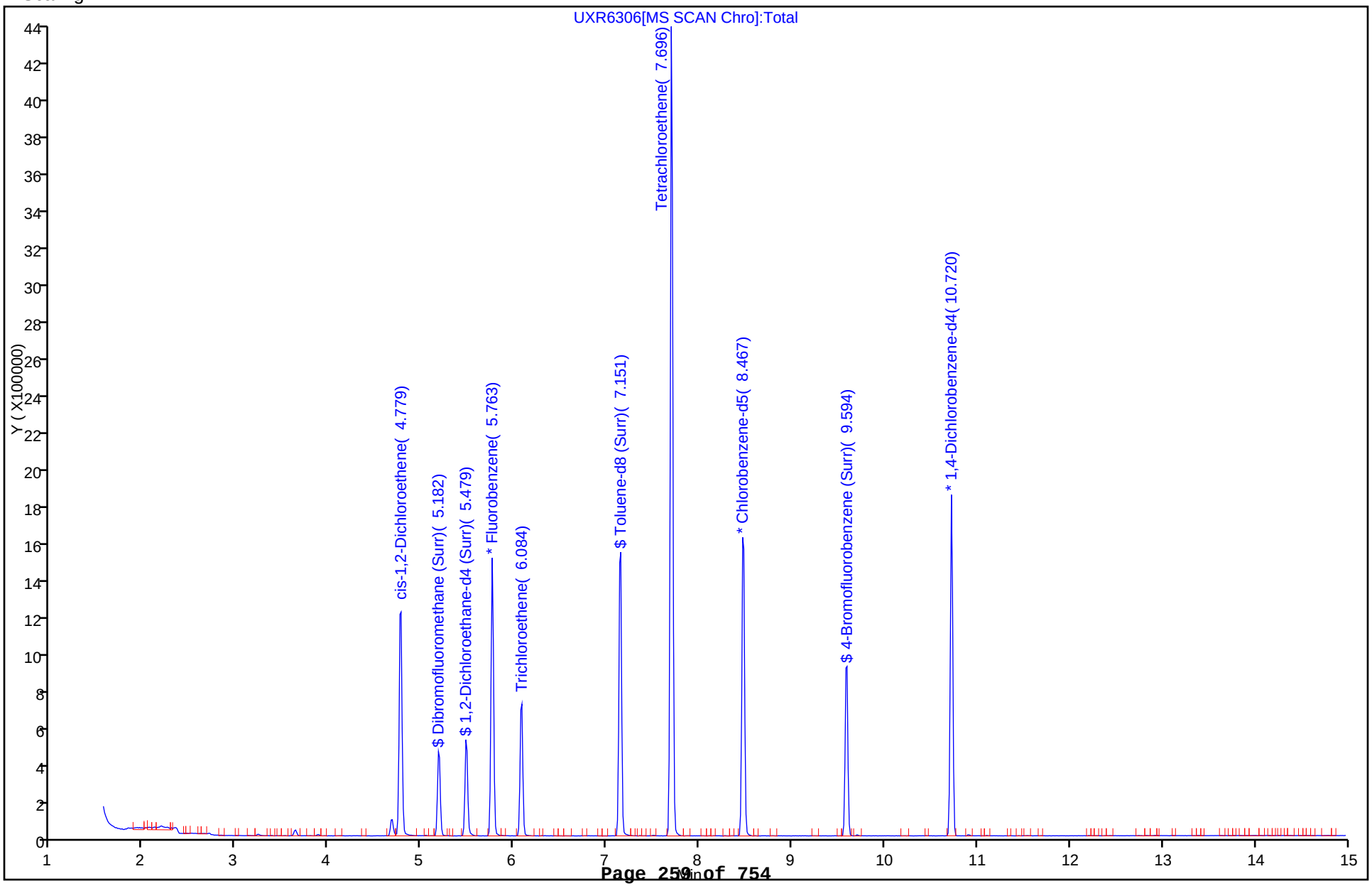
Report Date: 12-Feb-2013 09:53:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6306.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 18:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-6 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 15 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



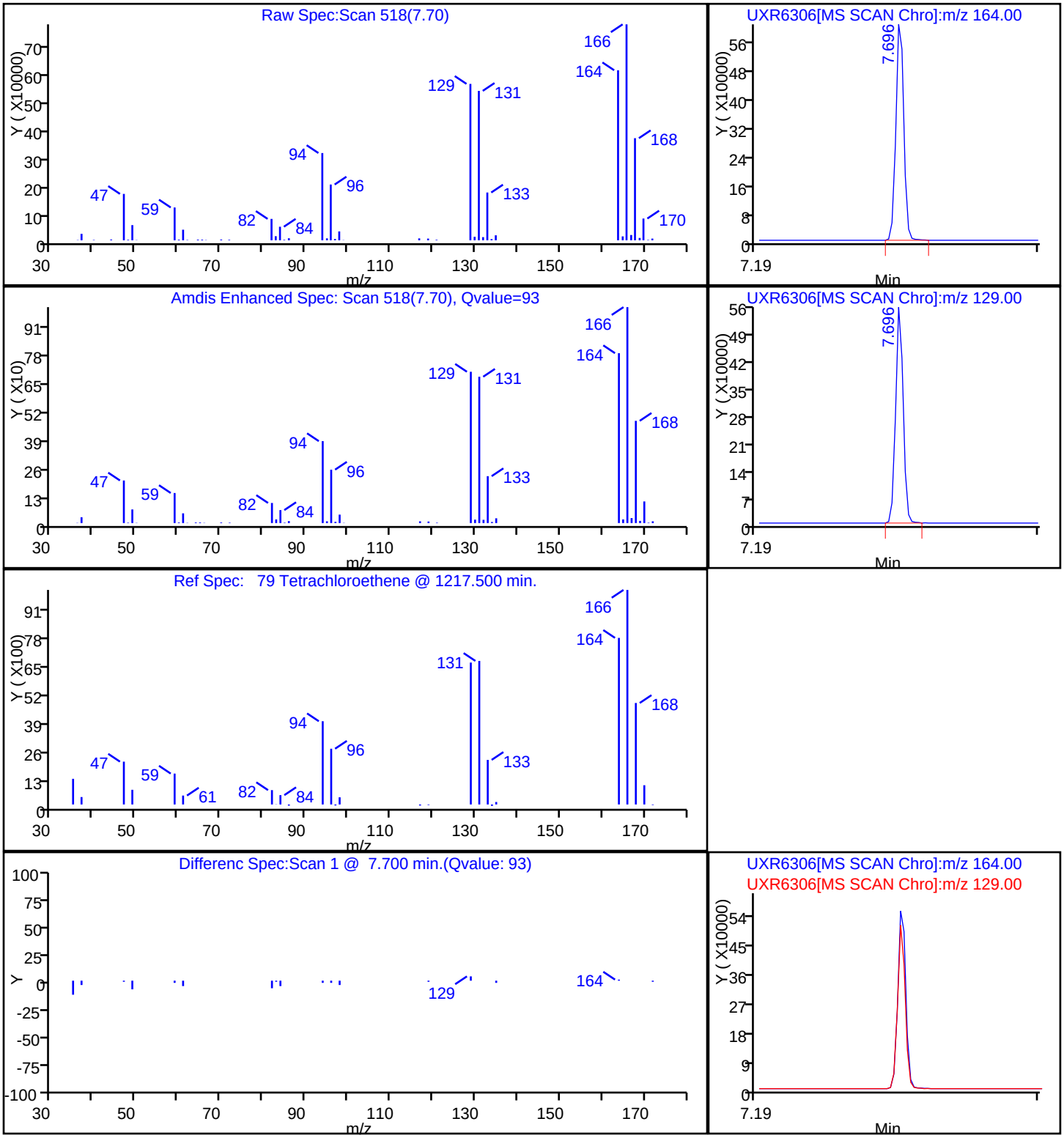
Report Date: 12-Feb-2013 09:53:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6306.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 18:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-6 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 15 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

79 Tetrachloroethene



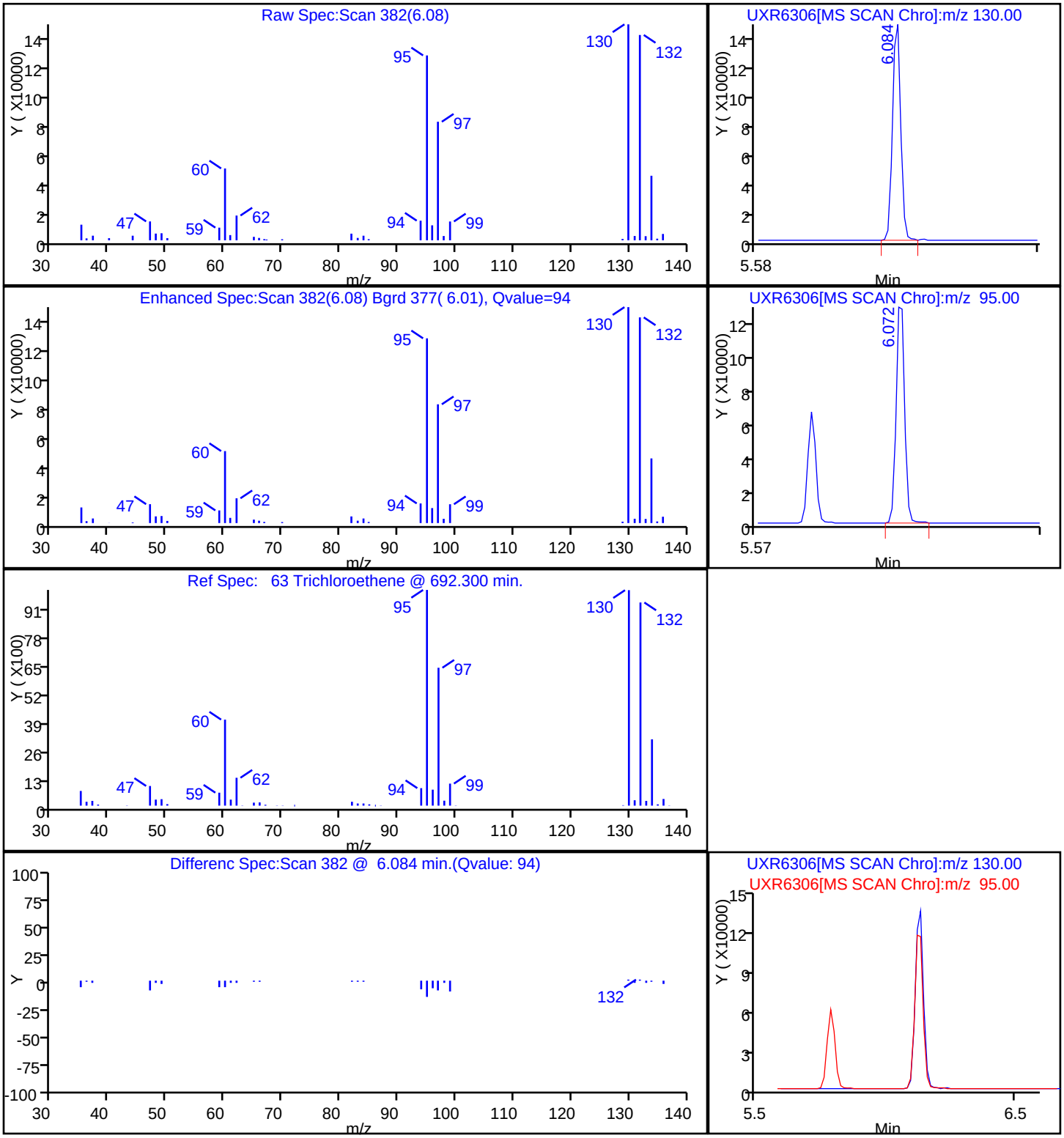
Report Date: 12-Feb-2013 09:53:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6306.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 18:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-6 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 15 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

63 Trichloroethene



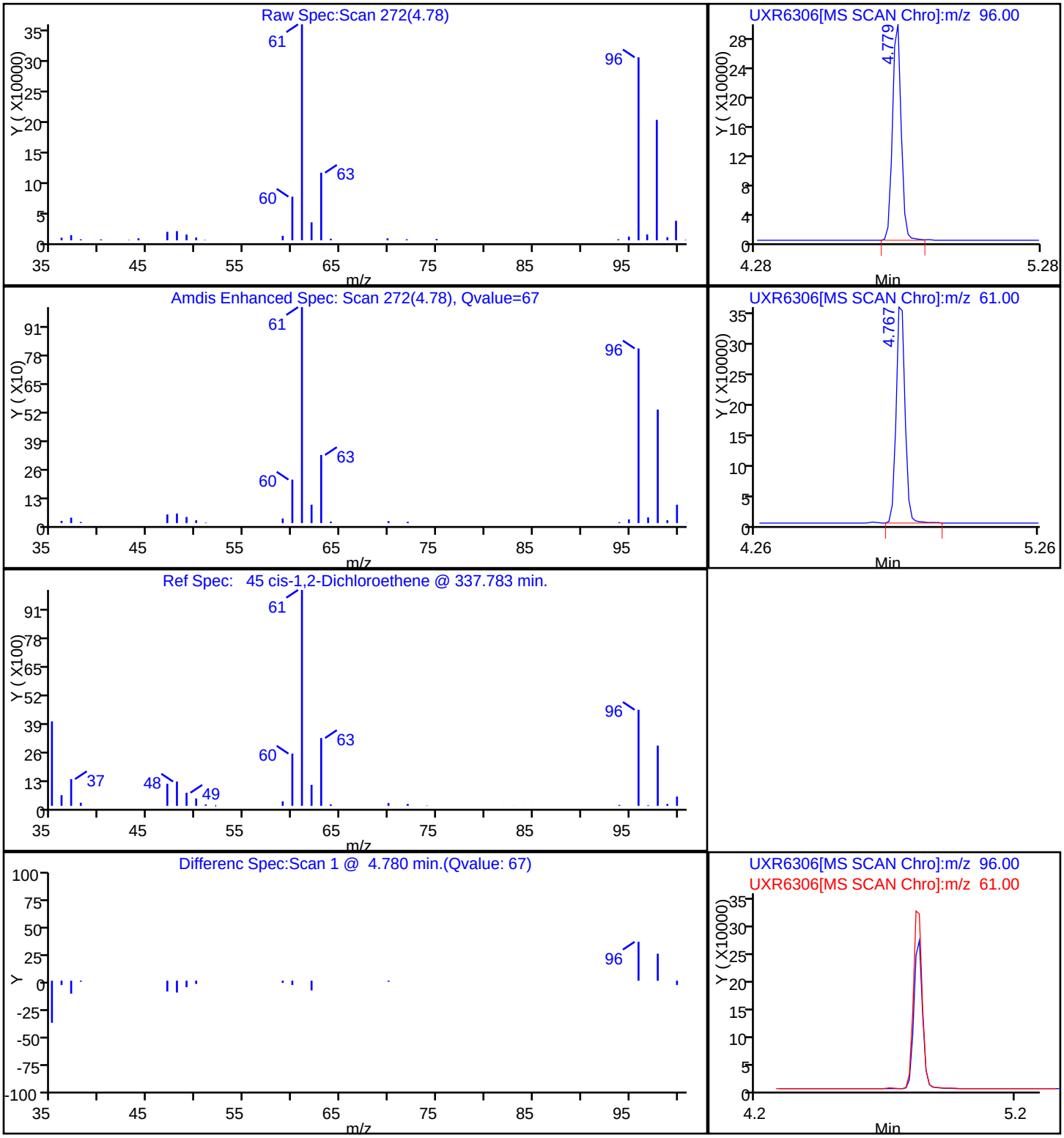
Report Date: 12-Feb-2013 09:53:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6306.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 18:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-6 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 15 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

45 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-8 | Lab Sample ID: 240-20760-11

Matrix: Water | Lab File ID: UXR6326.D

Analysis Method: 8260B | Date Collected: 02/06/2013 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 17:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-8 | Lab Sample ID: 240-20760-11

Matrix: Water | Lab File ID: UXR6326.D

Analysis Method: 8260B | Date Collected: 02/06/2013 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 17:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 104 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 83 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 98 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6326.D
Lims ID: 240-20760-B-11 Client ID: OW-8
Inject. Date: 12-Feb-2013 17:03:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017290-009
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 75030 Lims Sample ID: 9
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m
Last Update: 13-Feb-2013 09:51:19 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK034

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1553115 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.467 | 0.012 | 83 | 1207194 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 645422 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 58 | 308054 | 8.76 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 418516 | 9.29 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1307098 | 8.34 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 90 | 423421 | 7.42 | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.814 | | | | | 9 |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.300 | | | | | 9 |
| 19 Chloroethane | 64 | | 2.407 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.166 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.178 | | | | | |
| 27 Acetone | 43 | | 3.237 | | | | | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | 9 |
| 46 2-Butanone (MEK) | 43 | | 4.779 | | | | | |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 63 Trichloroethene | 130 | | 6.071 | | | | | |
| 65 Methylcyclohexane | 83 | | 6.237 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | 7.708 | 7.696 | 0.012 | 59 | 4149 | 0.1162 | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 87 Chlorobenzene | 112 | | 8.502 | | | | | |
| 89 Ethylbenzene | 106 | | 8.585 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

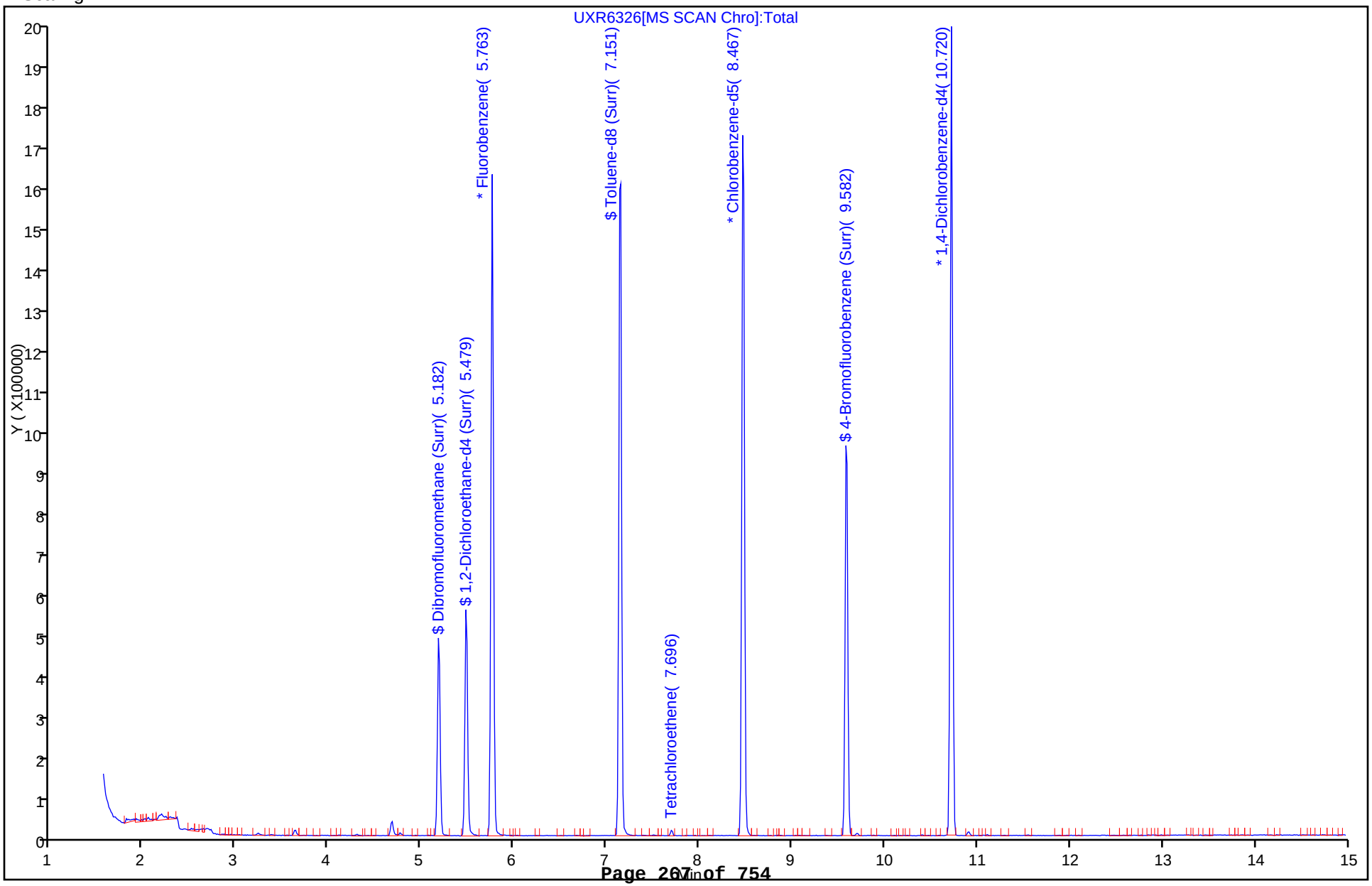
Report Date: 13-Feb-2013 09:51:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6326.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 17:03:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-8 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 9 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 | Lab Sample ID: 240-20760-12

Matrix: Water | Lab File ID: UXR6337.D

Analysis Method: 8260B | Date Collected: 02/06/2013 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 21:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 1.5 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.3 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 | Lab Sample ID: 240-20760-12

Matrix: Water | Lab File ID: UXR6337.D

Analysis Method: 8260B | Date Collected: 02/06/2013 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 21:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | * | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 99 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 78 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 86 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6337.D | | |
| Lims ID: | 240-20760-B-12 | Client ID: | OW-5 |
| Inject. Date: | 12-Feb-2013 21:08:30 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017290-020 | | |
| Misc. Info.: | | | |
| Operator: | 1644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 19 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 20 |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m | | |
| Last Update: | 13-Feb-2013 09:51:19 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK034 | | |

| | Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|---|
| * | 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1486452 | 10.0 | |
| * | 2 Chlorobenzene-d5 | 117 | 8.479 | 8.467 | 0.012 | 85 | 1166166 | 10.0 | |
| * | 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 95 | 606198 | 10.0 | |
| $ | 4 1,2-Dichlorobenzene-d4 | 1 | | 0.000 | | | | | |
| $ | 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 290909 | 8.64 | |
| $ | 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 381251 | 8.84 | |
| $ | 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 93 | 1157610 | 7.65 | |
| $ | 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 381320 | 6.91 | |
| | 12 C6-C10 | 1 | | 0.000 | | | | | |
| | 13 Benzyl chloride | 126 | | 0.000 | | | | | |
| | 10 C6-C12 | 1 | | 0.000 | | | | | |
| | 11 1,3-Diethylbenzene TIC | 1 | | 0.000 | | | | | |
| | 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| | 15 Chloromethane | 50 | | 1.814 | | | | | |
| | 16 Chlorodifluoromethane TIC | 1 | | 1.900 | | | | | |
| | 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| | 18 Bromomethane | 94 | | 2.300 | | | | | |
| | 19 Chloroethane | 64 | | 2.407 | | | | | |
| | 20 Dichlorofluoromethane | 67 | | 2.621 | | | | | |
| | 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| | 23 Methylal | 45 | | 2.941 | | | | | |
| | 22 Ethyl ether | 59 | | 2.953 | | | | | |
| | 24 Acrolein | 56 | | 3.083 | | | | | |
| | 25 1,1-Dichloroethene | 96 | | 3.166 | | | | | |
| | 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.178 | | | | | |
| | 27 Acetone | 43 | | 3.237 | | | | | |
| | 28 Iodomethane | 142 | | 3.320 | | | | | |
| | 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| | 30 Acetonitrile | 41 | | 3.510 | | | | | |
| | 31 3-Chloro-1-propene | 76 | | 3.522 | | | | | |
| | 32 Methyl acetate | 43 | | 3.534 | | | | | |
| | 33 Methylene Chloride | 84 | | 3.629 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 34 2-Methyl-2-propanol | 59 | | 3.735 | | | | | |
| 36 Acrylonitrile | 53 | | 3.866 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 38 Hexane | 86 | | 4.115 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 40 Vinyl acetate | 86 | | 4.293 | | | | | |
| 41 Isopropyl ether | 87 | | 4.305 | | | | | |
| 42 2-Chloro-1,3-butadiene | 53 | | 4.340 | | | | | |
| 43 Tert-butyl ethyl ether | 59 | | 4.625 | | | | | 9 |
| 44 2,2-Dichloropropane | 77 | | 4.767 | | | | | 9 |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 61 | 55062 | 1.29 | |
| 46 2-Butanone (MEK) | 43 | | 4.779 | | | | | 9 |
| 47 Ethyl acetate | 43 | | 4.826 | | | | | |
| 48 Propionitrile | 54 | | 4.850 | | | | | |
| 50 Chlorobromomethane | 128 | | 4.980 | | | | | |
| 49 Methacrylonitrile | 41 | | 4.981 | | | | | |
| 51 Tetrahydrofuran | 42 | | 5.016 | | | | | |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | |
| 56 1,1-Dichloropropene | 75 | | 5.348 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 57 Isobutyl alcohol | 41 | | 5.419 | | | | | |
| 58 Benzene | 78 | 5.538 | 5.526 | 0.012 | 37 | 24188 | 0.1438 | |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 60 Tert-amyl methyl ether | 73 | | 5.609 | | | | | |
| 61 n-Heptane | 100 | | 5.728 | | | | | |
| 62 n-Butanol | 56 | | 5.989 | | | | | |
| 63 Trichloroethene | 130 | 6.083 | 6.071 | 0.012 | 79 | 26247 | 0.6237 | |
| 64 Ethyl acrylate | 55 | | 6.100 | | | | | |
| 65 Methylcyclohexane | 83 | | 6.237 | | | | | |
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 67 Methyl methacrylate | 41 | | 6.356 | | | | | |
| 69 Dibromomethane | 93 | | 6.392 | | | | | |
| 68 1,4-Dioxane | 88 | | 6.392 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 71 2-Nitropropane | 41 | | 6.724 | | | | | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 77 Ethyl methacrylate | 69 | | 7.447 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 91 | 50072 | 1.45 | |
| 80 Tetrahydrothiophene | 60 | | 7.700 | | | | | |
| 81 1,3-Dichloropropane | 76 | | 7.720 | | | | | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | |
| 83 n-Butyl acetate | 56 | | 7.874 | | | | | |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 86 1-Chlorohexane | 91 | | 8.300 | | | | | |
| 87 Chlorobenzene | 112 | | 8.502 | | | | | 9 |
| 88 1,1,1,2-Tetrachloroethane | 131 | | 8.574 | | | | | |
| 89 Ethylbenzene | 106 | | 8.585 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 94 1,4-Dichlorobutane | 55 | | 9.300 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | |
| 96 Cyclohexanone | 55 | | 9.546 | | | | | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | |
| 98 Bromobenzene | 156 | | 9.748 | | | | | |
| 99 trans-1,4-Dichloro-2-butene | 53 | | 9.771 | | | | | |
| 100 1,2,3-Trichloropropane | 110 | | 9.771 | | | | | |
| 101 N-Propylbenzene | 120 | | 9.819 | | | | | |
| 102 2-Chlorotoluene | 126 | | 9.925 | | | | | |
| 103 1,3,5-Trimethylbenzene | 105 | | 9.997 | | | | | |
| 104 4-Chlorotoluene | 126 | | 10.032 | | | | | |
| 105 tert-Butylbenzene | 119 | | 10.317 | | | | | |
| 106 1,2,4-Trimethylbenzene | 105 | | 10.364 | | | | | 9 |
| 107 sec-Butylbenzene | 105 | | 10.530 | | | | | |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | |
| 109 4-Isopropyltoluene | 119 | | 10.673 | | | | | 9 |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | |
| 111 1,2,3-Trimethylbenzene | 105 | | 10.791 | | | | | |
| 112 n-Butylbenzene | 91 | | 11.076 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | | 11.906 | | | | | |
| 115 1,3,5-Trichlorobenzene | 180 | | 12.107 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | | 12.724 | | | | | |
| 117 Hexachlorobutadiene | 225 | | 12.890 | | | | | |
| 118 Naphthalene | 128 | | 12.997 | | | | | |
| 119 1,2,3-Trichlorobenzene | 180 | | 13.258 | | | | | |
| 120 2-Methylnaphthalene | 142 | | 14.396 | | | | | |
| S 121 Trihalomethanes, Total | 1 | | 0.000 | | | | | 7 |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 1.29 | |
| S 123 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | 7 |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |
| T 125 Butyl Methacrylate TIC | 1 | | 9.900 | | | | | 1 |
| T 126 Hexachloroethane TIC | 1 | | 11.200 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

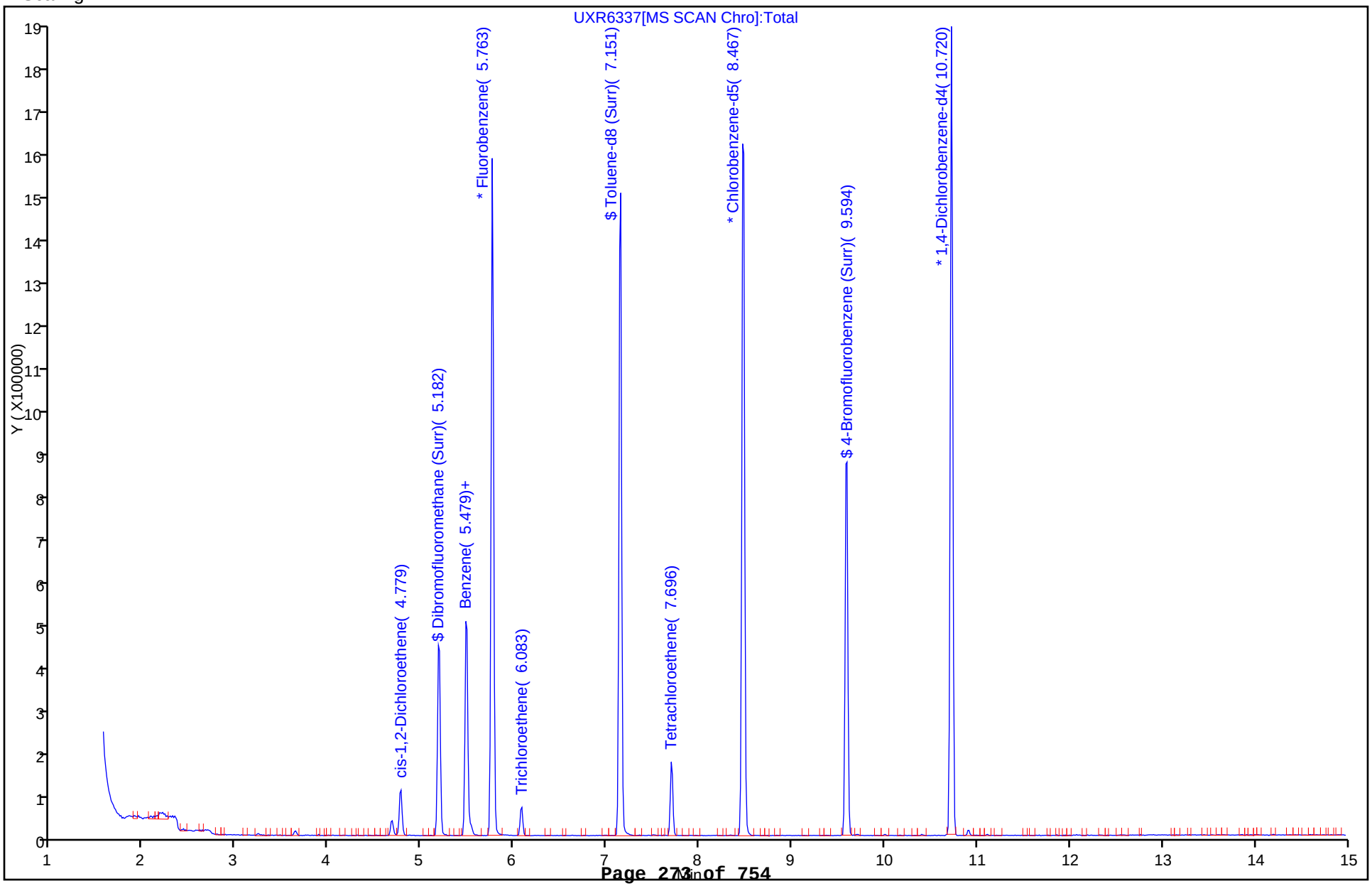
Report Date: 13-Feb-2013 09:51:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6337.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 21:08:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-5 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 20 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



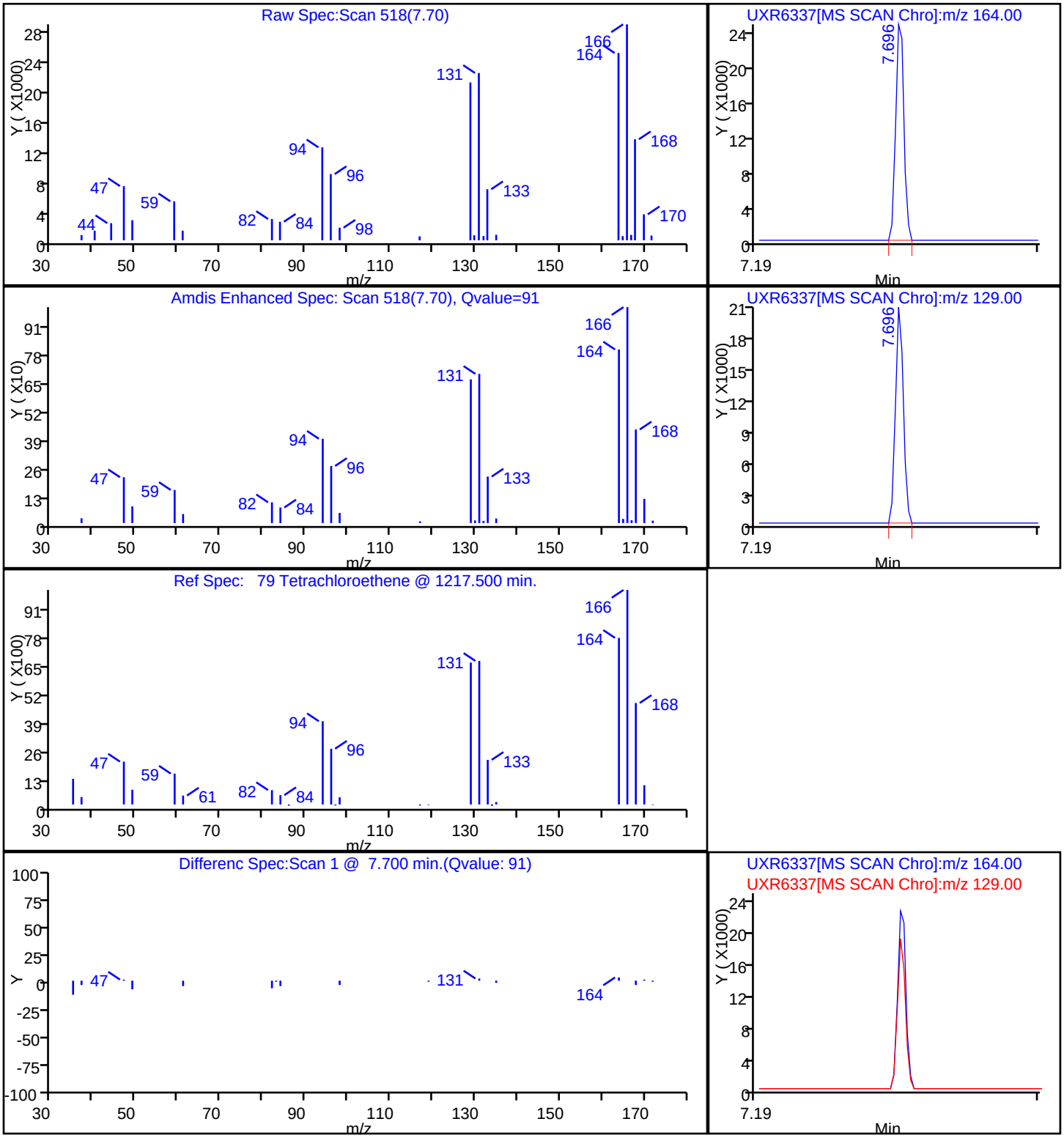
Report Date: 13-Feb-2013 09:51:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6337.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 21:08:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-5 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 20 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

79 Tetrachloroethene



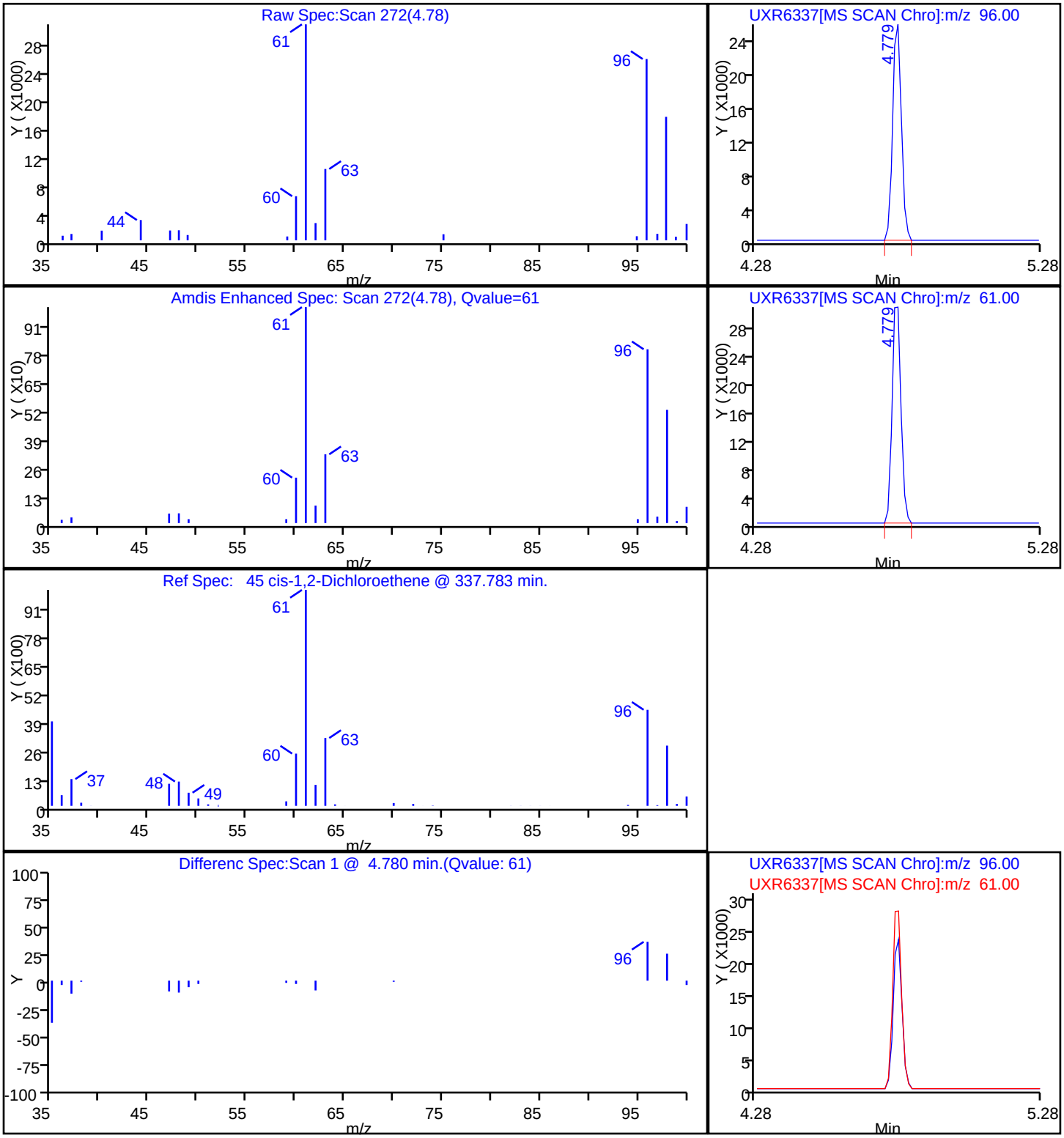
Report Date: 13-Feb-2013 09:51:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6337.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 21:08:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-5 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 20 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

45 cis-1,2-Dichloroethene



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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8260 240-73638/7 | UXR6095.D |
| Level 2 | STD8260 240-73638/6 | UXR6094.D |
| Level 3 | STD8260 240-73638/5 | UXR6093.D |
| Level 4 | STD8260 240-73638/4 | UXR6092.D |
| Level 5 | STD8260 240-73638/3 | UXR6091.D |
| Level 6 | STD8260 240-73638/2 | UXR6090.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorodifluoromethane | 0.1717 0.1778 | 0.1658 | 0.1662 | 0.2043 | 0.1830 | Ave | | 0.1781 | | | | 8.1 | | 15.0 | | | |
| Chloromethane | 0.3506 0.2448 | 0.2899 | 0.2851 | 0.2926 | 0.2599 | Ave | | 0.2871 | | | 0.1000 | 13.0 | | 15.0 | | | |
| Vinyl chloride | 0.3297 0.2655 | 0.2834 | 0.2878 | 0.3163 | 0.2810 | Ave | | 0.2940 | | | | 8.2 | | 15.0 | | | |
| Bromomethane | 0.2105 0.1125 | 0.1385 | 0.1325 | 0.1266 | 0.1153 | Lin1 | 0.0540 | 0.1135 | | | | | | | 0.9990 | | 0.9900 |
| Chloroethane | 0.2667 0.1786 | 0.2019 | 0.1892 | 0.1972 | 0.1816 | Lin1 | 0.0471 | 0.1800 | | | | | | | 0.9990 | | 0.9900 |
| Trichlorofluoromethane | 0.1785 0.2014 | 0.1648 | 0.1620 | 0.1912 | 0.1797 | Ave | | 0.1796 | | | | 8.4 | | 15.0 | | | |
| Acrolein | 0.0357 0.0310 | 0.0334 | 0.0340 | 0.0348 | 0.0335 | Ave | | 0.0337 | | | | 4.7 | | 15.0 | | | |
| 1,1-Dichloroethene | 0.2543 0.2233 | 0.2232 | 0.2219 | 0.2409 | 0.2203 | Ave | | 0.2306 | | | | 6.0 | | 15.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.1427 0.1434 | 0.1173 | 0.1332 | 0.1534 | 0.1412 | Ave | | 0.1385 | | | | 8.8 | | 15.0 | | | |
| Acetone | 0.1871 0.0874 | 0.0845 | 0.0736 | 0.0753 | 0.0686 | Qua | 0.1763 | 0.0494 | 0.0004 | | | | | | 0.9990 | | 0.9900 |
| Iodomethane | 0.4260 0.3395 | 0.3547 | 0.3737 | 0.3818 | 0.3441 | Ave | | 0.3700 | | | | 8.6 | | 15.0 | | | |
| Carbon disulfide | 0.8181 0.7443 | 0.7093 | 0.7221 | 0.7797 | 0.7255 | Ave | | 0.7498 | | | | 5.5 | | 15.0 | | | |
| Acetonitrile | 0.0398 0.0223 | 0.0280 | 0.0293 | 0.0297 | 0.0273 | Qua | -0.034 | 0.0324 | 0 | | | | | | 1.0000 | | 0.9900 |
| Methyl acetate | 0.2332 0.1617 | 0.1724 | 0.1774 | 0.1844 | 0.1681 | Ave | | 0.1829 | | | | 14.0 | | 15.0 | | | |
| Methylene Chloride | 0.7955 0.2585 | 0.3820 | 0.3186 | 0.3080 | 0.2687 | Lin1 | 0.2751 | 0.2567 | | | | | | | 0.9980 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methyl-2-propanol | 0.0168<br>0.0125 | 0.0156 | 0.0158 | 0.0169 | 0.0151 | Ave | | 0.0155 | | | | 10.0 | | 15.0 | | | |
| Acrylonitrile | 0.0855<br>0.0830 | 0.0885 | 0.0942 | 0.0967 | 0.0896 | Ave | | 0.0896 | | | | 5.7 | | 15.0 | | | |
| Methyl tert-butyl ether | 0.7353<br>0.6895 | 0.6686 | 0.7173 | 0.7609 | 0.7029 | Ave | | 0.7124 | | | | 4.6 | | 15.0 | | | |
| trans-1,2-Dichloroethene | 0.2809<br>0.2526 | 0.2592 | 0.2688 | 0.2769 | 0.2548 | Ave | | 0.2655 | | | | 4.5 | | 15.0 | | | |
| Hexane | 0.0698<br>0.0701 | 0.0613 | 0.0638 | 0.0751 | 0.0691 | Ave | | 0.0682 | | | | 7.2 | | 15.0 | | | |
| 1,1-Dichloroethane | 0.5252<br>0.4325 | 0.4465 | 0.4596 | 0.4745 | 0.4387 | Ave | | 0.4628 | | | 0.1000 | 7.4 | | 15.0 | | | |
| Vinyl acetate | 0.0372<br>0.0471 | 0.0362 | 0.0397 | 0.0454 | 0.0463 | Ave | | 0.0420 | | | | 12.0 | | 15.0 | | | |
| 2,2-Dichloropropane | 0.2240<br>0.2049 | 0.1958 | 0.2101 | 0.2328 | 0.2140 | Ave | | 0.2136 | | | | 6.2 | | 15.0 | | | |
| cis-1,2-Dichloroethene | 0.3249<br>0.2678 | 0.2839 | 0.2838 | 0.2954 | 0.2720 | Ave | | 0.2880 | | | | 7.1 | | 15.0 | | | |
| 2-Butanone (MEK) | 0.1278<br>0.0899 | 0.1002 | 0.0962 | 0.1046 | 0.0953 | Ave | | 0.1023 | | | | 13.0 | | 15.0 | | | |
| Chlorobromomethane | 0.1512<br>0.1244 | 0.1375 | 0.1358 | 0.1397 | 0.1272 | Ave | | 0.1360 | | | | 7.1 | | 15.0 | | | |
| Tetrahydrofuran | 0.1723<br>0.0594 | 0.0957 | 0.0744 | 0.0714 | 0.0610 | Lin1 | 0.0623 | 0.0592 | | | | | | | 0.9970 | | 0.9900 |
| Chloroform | 0.4861<br>0.4196 | 0.4368 | 0.4494 | 0.4641 | 0.4257 | Ave | | 0.4469 | | | | 5.6 | | 15.0 | | | |
| 1,1,1-Trichloroethane | 0.3425<br>0.2992 | 0.3062 | 0.3170 | 0.3314 | 0.3072 | Ave | | 0.3173 | | | | 5.3 | | 15.0 | | | |
| Cyclohexane | 0.4151<br>0.4411 | 0.4014 | 0.4236 | 0.4856 | 0.4509 | Ave | | 0.4363 | | | | 6.9 | | 15.0 | | | |
| 1,1-Dichloropropene | 0.3748<br>0.3443 | 0.3256 | 0.3444 | 0.3669 | 0.3446 | Ave | | 0.3501 | | | | 5.1 | | 15.0 | | | |
| Carbon tetrachloride | 0.2590<br>0.2553 | 0.2389 | 0.2484 | 0.2728 | 0.2523 | Ave | | 0.2544 | | | | 4.5 | | 15.0 | | | |
| Benzene | 1.3250<br>1.0500 | 1.1089 | 1.1156 | 1.1401 | 1.0509 | Ave | | 1.1317 | | | | 9.0 | | 15.0 | | | |
| 1,2-Dichloroethane | 0.3859<br>0.3169 | 0.3373 | 0.3424 | 0.3603 | 0.3300 | Ave | | 0.3455 | | | | 7.1 | | 15.0 | | | |
| Trichloroethene | 0.3268<br>0.2603 | 0.2732 | 0.2828 | 0.2907 | 0.2649 | Ave | | 0.2831 | | | | 8.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Methylcyclohexane | 0.4434<br>0.4674 | 0.4090 | 0.4302 | 0.5077 | 0.4681 | Ave | | 0.4543 | | | | 7.6 | | 15.0 | | | |
| 1,2-Dichloropropane | 0.2727<br>0.2421 | 0.2487 | 0.2489 | 0.2639 | 0.2415 | Ave | | 0.2530 | | | | 5.0 | | 15.0 | | | |
| 1,4-Dioxane | 0.0026<br>0.0016 | 0.0023 | 0.0025 | 0.0027 | 0.0024 | Qua | -0.066 | 0.0032 | 0 | | | | | | 0.9990 | | 0.9900 |
| Dibromomethane | 0.1557<br>0.1324 | 0.1402 | 0.1455 | 0.1495 | 0.1381 | Ave | | 0.1436 | | | | 5.9 | | 15.0 | | | |
| Dichlorobromomethane | 0.2822<br>0.2868 | 0.2589 | 0.2720 | 0.2979 | 0.2813 | Ave | | 0.2799 | | | | 4.7 | | 15.0 | | | |
| 2-Chloroethyl vinyl ether | 0.1208<br>0.1494 | 0.1203 | 0.1389 | 0.1498 | 0.1533 | Ave | | 0.1388 | | | | 11.0 | | 15.0 | | | |
| cis-1,3-Dichloropropene | 0.3000<br>0.3751 | 0.3000 | 0.3397 | 0.3686 | 0.3657 | Ave | | 0.3415 | | | | 10.0 | | 15.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | 0.1856<br>0.1877 | 0.1825 | 0.1888 | 0.2020 | 0.1989 | Ave | | 0.1909 | | | | 4.1 | | 15.0 | | | |
| Toluene | 1.6992<br>1.4979 | 1.4769 | 1.5492 | 1.5846 | 1.4707 | Ave | | 1.5464 | | | | 5.6 | | 15.0 | | | |
| trans-1,3-Dichloropropene | 0.3002<br>0.4225 | 0.2958 | 0.3613 | 0.4004 | 0.4005 | Ave | | 0.3635 | | | | 15.0 | | 15.0 | | | |
| Ethyl methacrylate | 0.2823<br>0.4015 | 0.3059 | 0.3524 | 0.3934 | 0.3849 | Ave | | 0.3534 | | | | 14.0 | | 15.0 | | | |
| 1,1,2-Trichloroethane | 0.3193<br>0.2574 | 0.2634 | 0.2733 | 0.2906 | 0.2618 | Ave | | 0.2776 | | | | 8.5 | | 15.0 | | | |
| Tetrachloroethene | 0.3490<br>0.2767 | 0.2822 | 0.2928 | 0.3034 | 0.2708 | Ave | | 0.2958 | | | | 9.7 | | 15.0 | | | |
| 1,3-Dichloropropane | 0.5431<br>0.4881 | 0.4859 | 0.5164 | 0.5279 | 0.4889 | Ave | | 0.5084 | | | | 4.8 | | 15.0 | | | |
| 2-Hexanone | 0.1590<br>0.1614 | 0.1461 | 0.1647 | 0.1730 | 0.1677 | Ave | | 0.1620 | | | | 5.7 | | 15.0 | | | |
| Chlorodibromomethane | 0.2306<br>0.2656 | 0.2209 | 0.2387 | 0.2587 | 0.2528 | Ave | | 0.2446 | | | | 7.1 | | 15.0 | | | |
| Ethylene Dibromide | 0.2638<br>0.2613 | 0.2532 | 0.2694 | 0.2809 | 0.2644 | Ave | | 0.2655 | | | | 3.5 | | 15.0 | | | |
| Chlorobenzene | 1.1156<br>0.9366 | 0.9723 | 0.9897 | 1.0311 | 0.9358 | Ave | | 0.9968 | | | 0.3000 | 6.8 | | 15.0 | | | |
| 1,1,1,2-Tetrachloroethane | 0.2999<br>0.2981 | 0.2635 | 0.3031 | 0.3213 | 0.2991 | Ave | | 0.2975 | | | | 6.3 | | 15.0 | | | |
| Ethylbenzene | 0.5284<br>0.5172 | 0.4765 | 0.5193 | 0.5587 | 0.5150 | Ave | | 0.5192 | | | | 5.1 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| m-Xylene & p-Xylene | 0.6584<br>0.6660 | 0.6112 | 0.6730 | 0.7035 | 0.6570 | Ave | | 0.6615 | | | | 4.5 | | 15.0 | | | |
| o-Xylene | 0.6249<br>0.6302 | 0.5771 | 0.6376 | 0.6801 | 0.6352 | Ave | | 0.6308 | | | | 5.2 | | 15.0 | | | |
| Styrene | 0.8935<br>1.0811 | 0.9010 | 1.0262 | 1.1055 | 1.0504 | Ave | | 1.0096 | | | | 9.0 | | 15.0 | | | |
| Bromoform | 0.1449<br>0.1579 | 0.1199 | 0.1384 | 0.1547 | 0.1513 | Ave | | 0.1445 | | | 0.1000 | 9.7 | | 15.0 | | | |
| Isopropylbenzene | 1.5162<br>1.6664 | 1.4709 | 1.6210 | 1.7398 | 1.6536 | Ave | | 1.6113 | | | | 6.2 | | 15.0 | | | |
| 1,1,2,2-Tetrachloroethane | 0.6676<br>0.5860 | 0.5889 | 0.6099 | 0.6398 | 0.5946 | Ave | | 0.6145 | | | 0.3000 | 5.3 | | 15.0 | | | |
| Bromobenzene | 0.7605<br>0.6898 | 0.6878 | 0.7210 | 0.7350 | 0.6849 | Ave | | 0.7132 | | | | 4.3 | | 15.0 | | | |
| 1,2,3-Trichloropropane | 0.2013<br>0.1857 | 0.2050 | 0.2055 | 0.2110 | 0.1907 | Ave | | 0.1999 | | | | 4.8 | | 15.0 | | | |
| trans-1,4-Dichloro-2-butene | 0.1458<br>0.1542 | 0.1338 | 0.1425 | 0.1574 | 0.1521 | Ave | | 0.1476 | | | | 5.9 | | 15.0 | | | |
| N-Propylbenzene | 0.7289<br>0.7877 | 0.6795 | 0.7630 | 0.8335 | 0.7738 | Ave | | 0.7611 | | | | 6.9 | | 15.0 | | | |
| 2-Chlorotoluene | 0.6909<br>0.6655 | 0.6432 | 0.6960 | 0.7266 | 0.6696 | Ave | | 0.6820 | | | | 4.2 | | 15.0 | | | |
| 1,3,5-Trimethylbenzene | 2.0380<br>2.3937 | 2.0773 | 2.3082 | 2.4977 | 2.3603 | Ave | | 2.2792 | | | | 8.0 | | 15.0 | | | |
| 4-Chlorotoluene | 0.7549<br>0.7200 | 0.6959 | 0.7463 | 0.7695 | 0.7162 | Ave | | 0.7338 | | | | 3.8 | | 15.0 | | | |
| tert-Butylbenzene | 1.9027<br>2.0803 | 1.8569 | 2.0432 | 2.2090 | 2.0740 | Ave | | 2.0277 | | | | 6.3 | | 15.0 | | | |
| 1,2,4-Trimethylbenzene | 2.0910<br>2.4453 | 2.1522 | 2.3708 | 2.5641 | 2.4059 | Ave | | 2.3382 | | | | 7.7 | | 15.0 | | | |
| sec-Butylbenzene | 2.6927<br>2.9802 | 2.6335 | 2.9111 | 3.1617 | 2.9894 | Ave | | 2.8948 | | | | 6.9 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.5604<br>1.3668 | 1.3950 | 1.4370 | 1.4787 | 1.3772 | Ave | | 1.4359 | | | | 5.1 | | 15.0 | | | |
| 4-Isopropyltoluene | 2.1286<br>2.5391 | 2.1748 | 2.4680 | 2.6840 | 2.5266 | Ave | | 2.4202 | | | | 9.1 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.6800<br>1.4049 | 1.4453 | 1.4585 | 1.5180 | 1.4067 | Ave | | 1.4856 | | | | 7.0 | | 15.0 | | | |
| n-Butylbenzene | 2.1790<br>2.2447 | 2.0207 | 2.2010 | 2.4361 | 2.2501 | Ave | | 2.2219 | | | | 6.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2-Dichlorobenzene | 1.4896<br>1.2709 | 1.3461 | 1.3637 | 1.4166 | 1.2859 | Ave | | 1.3621 | | | | 6.0 | | 15.0 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.0926<br>0.0880 | 0.0809 | 0.0883 | 0.0942 | 0.0905 | Ave | | 0.0891 | | | | 5.3 | | 15.0 | | | |
| 1,3,5-Trichlorobenzene | 1.2937<br>0.8617 | 1.0000 | 1.0586 | 1.0958 | 0.9733 | Ave | | 1.0472 | | | | 14.0 | | 15.0 | | | |
| 1,2,4-Trichlorobenzene | 1.1537<br>+++++ | 0.9062 | 0.9382 | 0.9859 | 0.8681 | Ave | | 0.9704 | | | | 11.0 | | 15.0 | | | |
| Hexachlorobutadiene | 0.5712<br>0.2641 | 0.4180 | 0.4197 | 0.4244 | 0.3442 | Qua | 0.0667 | 0.4357 | -0.004 | | | | | | 0.9990 | | 0.9900 |
| Naphthalene | 2.2583<br>+++++ | 1.9335 | 2.0707 | 2.2073 | 1.9388 | Ave | | 2.0817 | | | | 7.2 | | 15.0 | | | |
| 1,2,3-Trichlorobenzene | 1.1974<br>+++++ | 0.9120 | 0.9031 | 0.8827 | 0.7309 | Lin1 | 0.2633 | 0.7751 | | | | | | | 0.9900 | | 0.9900 |
| Dibromofluoromethane (Surr) | 0.2459<br>0.2105 | 0.2227 | 0.2223 | 0.2348 | 0.2230 | Ave | | 0.2265 | | | | 5.4 | | 15.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.3333<br>0.2634 | 0.2880 | 0.2814 | 0.2973 | 0.2779 | Ave | | 0.2902 | | | | 8.2 | | 15.0 | | | |
| Toluene-d8 (Surr) | 1.3871<br>1.2619 | 1.2267 | 1.2772 | 1.3499 | 1.2860 | Ave | | 1.2981 | | | | 4.6 | | 15.0 | | | |
| 4-Bromofluorobenzene (Surr) | 0.4936<br>0.4517 | 0.4415 | 0.4710 | 0.5020 | 0.4782 | Ave | | 0.4730 | | | | 5.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8260 240-73638/7 | UXR6095.D |
| Level 2 | STD8260 240-73638/6 | UXR6094.D |
| Level 3 | STD8260 240-73638/5 | UXR6093.D |
| Level 4 | STD8260 240-73638/4 | UXR6092.D |
| Level 5 | STD8260 240-73638/3 | UXR6091.D |
| Level 6 | STD8260 240-73638/2 | UXR6090.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Dichlorodifluoromethane | FB | Ave | 13845<br>1310317 | 54724 | 138924 | 323912 | 636002 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chloromethane | FB | Ave | 28269<br>1803528 | 95723 | 238375 | 463855 | 903037 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Vinyl chloride | FB | Ave | 26589<br>1956562 | 93576 | 240616 | 501329 | 976481 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Bromomethane | FB | Lin1 | 16976<br>828906 | 45710 | 110816 | 200690 | 400575 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chloroethane | FB | Lin1 | 21510<br>1315898 | 66661 | 158202 | 312535 | 631105 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Trichlorofluoromethane | FB | Ave | 14395<br>1484159 | 54413 | 135433 | 303129 | 624558 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Acrolein | FB | Ave | 28760<br>2285970 | 110337 | 283911 | 551078 | 1164331 | 5.00<br>400 | 20.0 | 50.0 | 100 | 200 |
| 1,1-Dichloroethene | FB | Ave | 20509<br>1645014 | 73684 | 185507 | 381858 | 765583 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | FB | Ave | 11506<br>1056387 | 38740 | 111382 | 243120 | 490495 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Acetone | FB | Qua | 30180<br>1288664 | 55763 | 123056 | 238615 | 476706 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Iodomethane | FB | Ave | 34350<br>2501406 | 117119 | 312481 | 605300 | 1195738 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Carbon disulfide | FB | Ave | 65968<br>5483941 | 234190 | 603719 | 1236048 | 2520732 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Acetonitrile | FB | Qua | 32064<br>1645899 | 92314 | 245150 | 471288 | 949070 | 5.00<br>400 | 20.0 | 50.0 | 100 | 200 |
| Methyl acetate | FB | Ave | 37618<br>2383010 | 113869 | 296702 | 584730 | 1167926 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Methylene Chloride | FB | Lin1 | 64152<br>1904313 | 126104 | 266367 | 488168 | 933595 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Methyl-2-propanol | FB | Ave | 27117<br>1846578 | 102775 | 264319 | 535019 | 1051888 | 10.0<br>800 | 40.0 | 100 | 200 | 400 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acrylonitrile | FB | Ave | 13793<br>1222819 | 58428 | 157442 | 306441 | 622782 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Methyl tert-butyl ether | FB | Ave | 59297<br>5080387 | 220743 | 599687 | 1206180 | 2442251 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| trans-1,2-Dichloroethene | FB | Ave | 22653<br>1861186 | 85590 | 224714 | 438925 | 885230 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Hexane | FB | Ave | 5629<br>516387 | 20248 | 53308 | 119057 | 240036 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1-Dichloroethane | FB | Ave | 42353<br>3186497 | 147416 | 384305 | 752138 | 1524251 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Vinyl acetate | FB | Ave | 3001<br>346808 | 11941 | 33153 | 71983 | 161047 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2,2-Dichloropropane | FB | Ave | 18060<br>1509826 | 64632 | 175663 | 369037 | 743561 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| cis-1,2-Dichloroethene | FB | Ave | 26198<br>1973184 | 93741 | 237315 | 468306 | 945009 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Butanone (MEK) | FB | Ave | 20617<br>1325246 | 66170 | 160912 | 331561 | 662234 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Chlorobromomethane | FB | Ave | 12194<br>916467 | 45387 | 113578 | 221456 | 441888 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Tetrahydrofuran | FB | Lin1 | 13893<br>437983 | 31584 | 62198 | 113120 | 211836 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chloroform | FB | Ave | 39198<br>3091368 | 144201 | 375734 | 735610 | 1479170 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,1-Trichloroethane | FB | Ave | 27621<br>2204494 | 101092 | 265066 | 525322 | 1067554 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Cyclohexane | FB | Ave | 33473<br>3249897 | 132534 | 354196 | 769837 | 1566567 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1-Dichloropropene | FB | Ave | 30227<br>2536509 | 107493 | 287973 | 581650 | 1197202 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Carbon tetrachloride | FB | Ave | 20885<br>1880742 | 78861 | 207710 | 432436 | 876501 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Benzene | FB | Ave | 106845<br>7736387 | 366096 | 932732 | 1807285 | 3651458 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichloroethane | FB | Ave | 31122<br>2334856 | 111371 | 286282 | 571177 | 1146581 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Trichloroethene | FB | Ave | 26353<br>1918301 | 90200 | 236435 | 460804 | 920448 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Methylcyclohexane | FB | Ave | 35756<br>3444041 | 135043 | 359678 | 804741 | 1626476 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichloropropane | FB | Ave | 21990<br>1783604 | 82111 | 208097 | 418306 | 839069 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | FB | Qua | 10425<br>595138 | 38595 | 106344 | 212320 | 415871 | 25.0<br>2000 | 100 | 250 | 500 | 1000 |
| Dibromomethane | FB | Ave | 12557<br>975259 | 46282 | 121631 | 237006 | 479920 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Dichlorobromomethane | FB | Ave | 22754<br>2113048 | 85489 | 227437 | 472207 | 977531 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Chloroethyl vinyl ether | FB | Ave | 19490<br>2201133 | 79461 | 232282 | 475065 | 1064994 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| cis-1,3-Dichloropropene | FB | Ave | 24194<br>2763736 | 99033 | 284010 | 584228 | 1270607 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Methyl-2-pentanone (MIBK) | FB | Ave | 29941<br>2766556 | 120521 | 315670 | 640493 | 1381968 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Toluene | CBZ | Ave | 105584<br>8408049 | 379133 | 995030 | 1928686 | 3948168 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| trans-1,3-Dichloropropene | CBZ | Ave | 18652<br>2371658 | 75927 | 232082 | 487291 | 1075296 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethyl methacrylate | CBZ | Ave | 17540<br>2253851 | 78530 | 226340 | 478778 | 1033235 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,2-Trichloroethane | CBZ | Ave | 19841<br>1444684 | 67610 | 175560 | 353732 | 702763 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Tetrachloroethene | CBZ | Ave | 21687<br>1552867 | 72450 | 188081 | 369328 | 727029 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3-Dichloropropane | CBZ | Ave | 33747<br>2739527 | 124737 | 331669 | 642528 | 1312359 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Hexanone | CBZ | Ave | 19762<br>1811515 | 74989 | 211511 | 421114 | 900670 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Chlorodibromomethane | CBZ | Ave | 14329<br>1490862 | 56707 | 153281 | 314932 | 678724 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethylene Dibromide | CBZ | Ave | 16394<br>1466490 | 65000 | 173061 | 341897 | 709732 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chlorobenzene | CBZ | Ave | 69318<br>5257366 | 249607 | 635659 | 1254936 | 2512163 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,1,2-Tetrachloroethane | CBZ | Ave | 18634<br>1673347 | 67647 | 194689 | 391124 | 802847 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethylbenzene | CBZ | Ave | 32831<br>2902897 | 122335 | 333569 | 679996 | 1382547 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| m-Xylene & p-Xylene | CBZ | Ave | 81827<br>7477116 | 313813 | 864455 | 1712605 | 3527389 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| o-Xylene | CBZ | Ave | 38827<br>3537227 | 148139 | 409540 | 827792 | 1705298 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Styrene | CBZ | Ave | 55519<br>6068461 | 231289 | 659141 | 1345578 | 2819799 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bromoform | CBZ | Ave | 9003<br>886195 | 30770 | 88909 | 188299 | 406269 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Isopropylbenzene | CBZ | Ave | 94213<br>9353744 | 377612 | 1041124 | 2117575 | 4439274 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,2,2-Tetrachloroethane | DCB | Ave | 24329<br>1875290 | 90005 | 233805 | 464988 | 943648 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Bromobenzene | DCB | Ave | 27713<br>2207511 | 105122 | 276399 | 534197 | 1086960 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,3-Trichloropropane | DCB | Ave | 7337<br>594303 | 31335 | 78765 | 153337 | 302666 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| trans-1,4-Dichloro-2-butene | DCB | Ave | 5312<br>493364 | 20452 | 54610 | 114411 | 241401 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| N-Propylbenzene | DCB | Ave | 26562<br>2520940 | 103845 | 292508 | 605759 | 1228101 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Chlorotoluene | DCB | Ave | 25179<br>2129756 | 98293 | 266804 | 528075 | 1062680 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3,5-Trimethylbenzene | DCB | Ave | 74267<br>7660735 | 317465 | 884873 | 1815297 | 3745853 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Chlorotoluene | DCB | Ave | 27509<br>2304153 | 106347 | 286109 | 559262 | 1136603 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| tert-Butylbenzene | DCB | Ave | 69336<br>6657752 | 283789 | 783299 | 1605430 | 3291554 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,4-Trimethylbenzene | DCB | Ave | 76200<br>7825718 | 328917 | 908855 | 1863544 | 3818245 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| sec-Butylbenzene | DCB | Ave | 98126<br>9537658 | 402471 | 1116008 | 2297820 | 4744395 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 56864<br>4374333 | 213200 | 550900 | 1074685 | 2185646 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Isopropyltoluene | DCB | Ave | 77568<br>8126103 | 332377 | 946123 | 1950683 | 4009873 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 61221<br>4496272 | 220881 | 559149 | 1103275 | 2232486 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| n-Butylbenzene | DCB | Ave | 79407<br>7183937 | 308824 | 843769 | 1770489 | 3571029 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 54283<br>4067199 | 205720 | 522788 | 1029565 | 2040776 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | DCB | Ave | 3375<br>281612 | 12357 | 33839 | 68484 | 143655 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3,5-Trichlorobenzene | DCB | Ave | 47144<br>2757647 | 152836 | 405823 | 796366 | 1544721 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,4-Trichlorobenzene | DCB | Ave | 42042<br>+++++ | 138495 | 359660 | 716535 | 1377660 | 0.500<br>+++++ | 2.00 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 16:19 Calibration End Date: 01/30/2013 18:11 Calibration ID: 13537

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorobutadiene | DCB | Qua | 20815<br>845190 | 63880 | 160891 | 308469 | 546248 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Naphthalene | DCB | Ave | 82296<br>+++++ | 295494 | 793815 | 1604211 | 3076905 | 0.500<br>+++++ | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,3-Trichlorobenzene | DCB | Lin1 | 43633<br>+++++ | 139386 | 346229 | 641539 | 1160024 | 0.500<br>+++++ | 2.00 | 5.00 | 10.0 | 20.0 |
| Dibromofluoromethane (Surr) | FB | Ave | 19826<br>1550797 | 73526 | 185865 | 372172 | 774702 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 26880<br>1940766 | 95072 | 235250 | 471250 | 965663 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Toluene-d8 (Surr) | CBZ | Ave | 86192<br>7082939 | 314903 | 820328 | 1642992 | 3452483 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Bromofluorobenzene (Surr) | CBZ | Ave | 30670<br>2535351 | 113334 | 302503 | 611021 | 1283896 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6090.D | | |
| Lims ID: | STD8260 L6 | Client ID: | |
| Inject. Date: | 30-Jan-2013 16:19:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 6 |
| Sample ID: | 240-0016957-002 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 2 |
| Sublist: | chrom-8260_17*sub1 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m | | |
| Last Update: | 31-Jan-2013 11:12:58 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK031 | | |
| First Level Reviewer: williamsla | | Date: | 30-Jan-2013 16:39:25 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1842044 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 81 | 1403266 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 83 | 800093 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 62 | 1550797 | 37.2 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 1940766 | 36.3 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.151 | -0.012 | 93 | 7082939 | 38.9 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 90 | 2535351 | 38.2 | |
| 14 Dichlorodifluoromethane | 85 | 1.637 | 1.636 | 0.0 | 87 | 1310317 | 39.9 | |
| 15 Chloromethane | 50 | 1.814 | 1.826 | -0.012 | 89 | 1803528 | 34.1 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 1956562 | 36.1 | |
| 18 Bromomethane | 94 | 2.301 | 2.300 | 0.001 | 89 | 828906 | 39.2 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 1315898 | 39.4 | |
| 21 Trichlorofluoromethane | 101 | 2.656 | 2.668 | -0.012 | 88 | 1484159 | 44.9 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 96 | 2285970 | 368.0 | |
| 25 1,1-Dichloroethene | 96 | 3.166 | 3.178 | -0.012 | 90 | 1645014 | 38.7 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.178 | 3.190 | -0.012 | 77 | 1056387 | 41.4 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 98 | 1288664 | 80.2 | |
| 28 Iodomethane | 142 | 3.320 | 3.332 | -0.012 | 97 | 2501406 | 36.7 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.391 | -0.011 | 99 | 5483941 | 39.7 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 99 | 1645899 | 399.7 | |
| 32 Methyl acetate | 43 | 3.534 | 3.546 | -0.012 | 97 | 2383010 | 70.7 | |
| 33 Methylene Chloride | 84 | 3.629 | 3.640 | -0.011 | 86 | 1904313 | 39.2 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 98 | 1846578 | 648.6 | |
| 36 Acrylonitrile | 53 | 3.866 | 3.878 | -0.012 | 98 | 1222819 | 74.1 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 90 | 5080387 | 38.7 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.890 | -0.012 | 93 | 1861186 | 38.1 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 516387 | 41.1 | |
| 39 1,1-Dichloroethane | 63 | 4.257 | 4.269 | -0.012 | 85 | 3186497 | 37.4 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 97 | 346808 | 44.9 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.779 | -0.012 | 57 | 1509826 | 38.4 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.767 | 4.779 | -0.012 | 70 | 1973184 | 37.2 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.791 | -0.012 | 97 | 1325246 | 70.3 | |
| 50 Chlorobromomethane | 128 | 4.981 | 4.992 | -0.011 | 94 | 916467 | 36.6 | |
| 51 Tetrahydrofuran | 42 | 5.016 | 5.028 | -0.012 | 92 | 437983 | 39.1 | |
| 52 Chloroform | 83 | 5.040 | 5.052 | -0.012 | 80 | 3091368 | 37.6 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 90 | 2204494 | 37.7 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 3249897 | 40.4 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 65 | 1880742 | 40.1 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 95 | 2536509 | 39.3 | |
| 58 Benzene | 78 | 5.526 | 5.538 | -0.012 | 94 | 7736387 | 37.1 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 92 | 2334856 | 36.7 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 94 | 1918301 | 36.8 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.249 | -0.011 | 88 | 3444041 | 41.2 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 94 | 1783604 | 38.3 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 89 | 975259 | 36.9 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 48 | 595138 | 1954.6 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.522 | -0.012 | 94 | 2113048 | 41.0 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 92 | 2201133 | 86.1 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 92 | 2763736 | 43.9 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 96 | 2766556 | 78.7 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 98 | 8408049 | 38.7 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 88 | 2371658 | 46.5 | |
| 77 Ethyl methacrylate | 69 | 7.447 | 7.447 | 0.0 | 87 | 2253851 | 45.4 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 86 | 1444684 | 37.1 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 1552867 | 37.4 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 87 | 2739527 | 38.4 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 1811515 | 79.7 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.945 | -0.012 | 88 | 1490862 | 43.4 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 1466490 | 39.4 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.502 | 0.001 | 96 | 5257366 | 37.6 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 85 | 1673347 | 40.1 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 98 | 2902897 | 39.8 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 7477116 | 80.5 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 3537227 | 40.0 | |
| 92 Styrene | 104 | 9.096 | 9.095 | 0.001 | 94 | 6068461 | 42.8 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 886195 | 43.7 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 95 | 9353744 | 41.4 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 1875290 | 38.1 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 82 | 2207511 | 38.7 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 76 | 594303 | 37.2 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 54 | 493364 | 41.8 | |
| 101 N-Propylbenzene | 120 | 9.831 | 9.831 | 0.0 | 96 | 2520940 | 41.4 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 96 | 2129756 | 39.0 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 81 | 7660735 | 42.0 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 2304153 | 39.2 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 6657752 | 41.0 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 7825718 | 41.8 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 93 | 9537658 | 41.2 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 98 | 4374333 | 38.1 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 97 | 8126103 | 42.0 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 95 | 4496272 | 37.8 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 7183937 | 40.4 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 4067199 | 37.3 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 86 | 281612 | 39.5 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.108 | 12.107 | 0.001 | 97 | 2757647 | 32.9 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 2303030 | 29.7 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 93 | 845190 | 40.3 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 5002975 | 30.0 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 1654615 | 26.3 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 165.7 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 75.2 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 90.4 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 120.5 | |

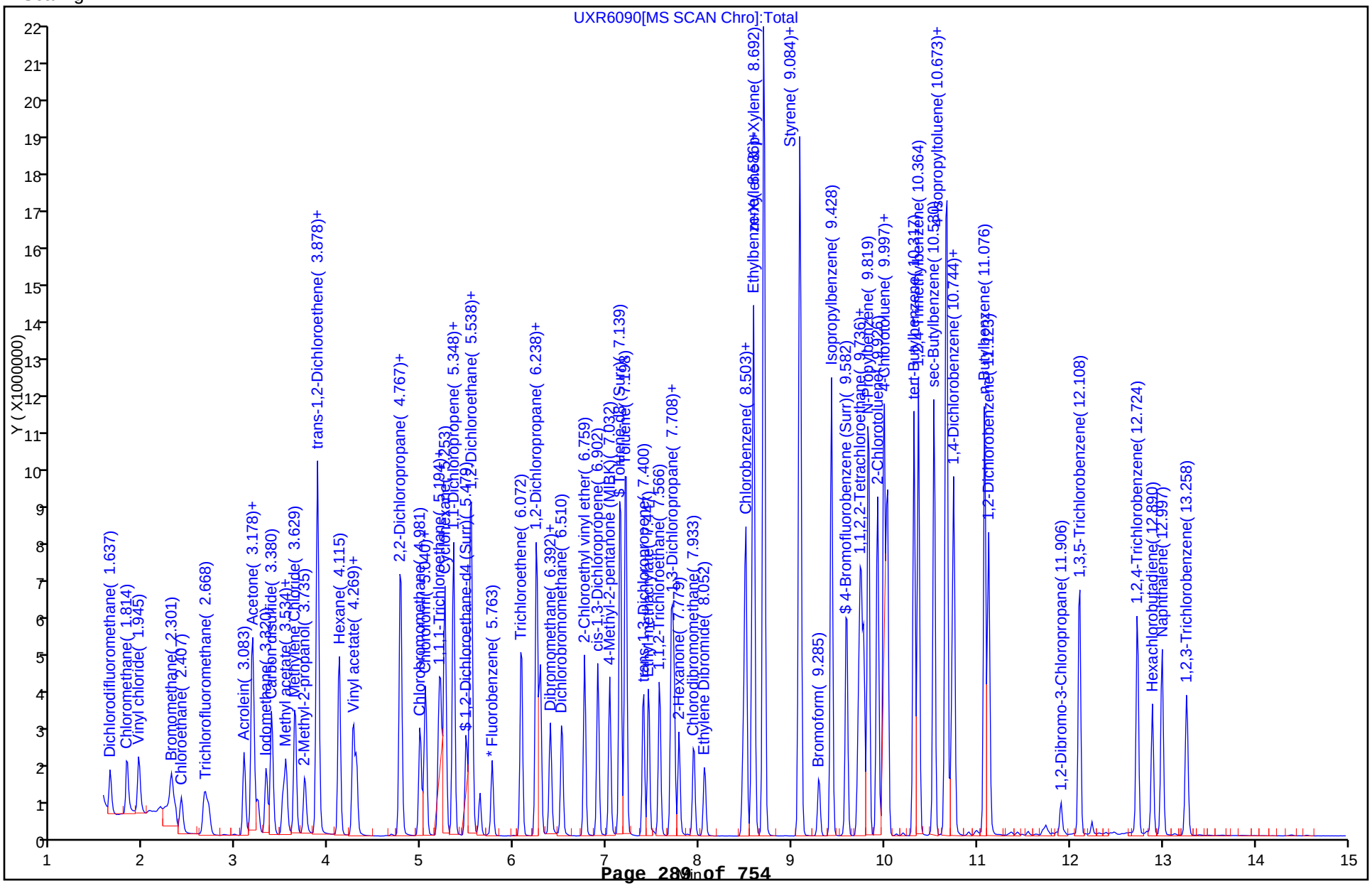
Report Date: 31-Jan-2013 11:12:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6090.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 16:19:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 2 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6091.D
Lims ID: STD8260 L5 Client ID:
Inject. Date: 30-Jan-2013 16:41:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016957-003
Misc. Info.:
Operator: 1904 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 73638 Lims Sample ID: 3
Sublist: chrom-8260_17*sub1
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:12:59 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: williamsla Date: 31-Jan-2013 11:03:48

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1737335 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.479 | -0.012 | 85 | 1342286 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 92 | 793524 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 67 | 774702 | 19.7 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 965663 | 19.2 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.151 | 0.0 | 92 | 3452483 | 19.8 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 1283896 | 20.2 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 87 | 636002 | 20.6 | |
| 15 Chloromethane | 50 | 1.814 | 1.826 | -0.012 | 89 | 903037 | 18.1 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 976481 | 19.1 | |
| 18 Bromomethane | 94 | 2.300 | 2.300 | 0.0 | 89 | 400575 | 19.8 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 631105 | 19.9 | |
| 21 Trichlorofluoromethane | 101 | 2.656 | 2.668 | -0.012 | 87 | 624558 | 20.0 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 94 | 1164331 | 198.7 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 90 | 765583 | 19.1 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.178 | 3.190 | -0.012 | 76 | 490495 | 20.4 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 98 | 476706 | 38.6 | |
| 28 Iodomethane | 142 | 3.320 | 3.332 | -0.012 | 98 | 1195738 | 18.6 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.391 | -0.011 | 99 | 2520732 | 19.4 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 99 | 949070 | 200.7 | |
| 32 Methyl acetate | 43 | 3.534 | 3.546 | -0.012 | 97 | 1167926 | 36.8 | |
| 33 Methylene Chloride | 84 | 3.640 | 3.640 | 0.0 | 86 | 933595 | 19.9 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 97 | 1051888 | 391.8 | |
| 36 Acrylonitrile | 53 | 3.866 | 3.878 | -0.012 | 99 | 622782 | 40.0 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 2442251 | 19.7 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.890 | -0.012 | 92 | 885230 | 19.2 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 240036 | 20.3 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.269 | 0.0 | 85 | 1524251 | 19.0 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 97 | 161047 | 22.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.779 | -0.012 | 59 | 743561 | 20.0 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.779 | 0.0 | 69 | 945009 | 18.9 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.791 | -0.012 | 93 | 662234 | 37.2 | |
| 50 Chlorobromomethane | 128 | 4.980 | 4.992 | -0.012 | 94 | 441888 | 18.7 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.028 | 0.0 | 88 | 211836 | 19.6 | |
| 52 Chloroform | 83 | 5.040 | 5.052 | -0.012 | 71 | 1479170 | 19.1 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 90 | 1067554 | 19.4 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 1566567 | 20.7 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 66 | 876501 | 19.8 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 94 | 1197202 | 19.7 | |
| 58 Benzene | 78 | 5.526 | 5.538 | -0.012 | 95 | 3651458 | 18.6 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 1146581 | 19.1 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 94 | 920448 | 18.7 | |
| 65 Methylcyclohexane | 83 | 6.237 | 6.249 | -0.012 | 89 | 1626476 | 20.6 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 91 | 839069 | 19.1 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 90 | 479920 | 19.2 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 68 | 415871 | 1016.9 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.522 | -0.012 | 94 | 977531 | 20.1 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 90 | 1064994 | 44.2 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 1270607 | 21.4 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 1381968 | 41.7 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 98 | 3948168 | 19.0 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 1075296 | 22.0 | |
| 77 Ethyl methacrylate | 69 | 7.447 | 7.447 | 0.0 | 88 | 1033235 | 21.8 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 86 | 702763 | 18.9 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 727029 | 18.3 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 88 | 1312359 | 19.2 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 900670 | 41.4 | |
| 84 Chlorodibromomethane | 129 | 7.945 | 7.945 | 0.0 | 88 | 678724 | 20.7 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 709732 | 19.9 | |
| 87 Chlorobenzene | 112 | 8.502 | 8.502 | 0.0 | 96 | 2512163 | 18.8 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 85 | 802847 | 20.1 | |
| 89 Ethylbenzene | 106 | 8.585 | 8.585 | 0.0 | 98 | 1382547 | 19.8 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 3527389 | 39.7 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 1705298 | 20.1 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 2819799 | 20.8 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 406269 | 20.9 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 4439274 | 20.5 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 76 | 943648 | 19.4 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 76 | 1086960 | 19.2 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 69 | 302666 | 19.1 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 52 | 241401 | 20.6 | |
| 101 N-Propylbenzene | 120 | 9.831 | 9.831 | 0.0 | 97 | 1228101 | 20.3 | |
| 102 2-Chlorotoluene | 126 | 9.925 | 9.925 | 0.0 | 96 | 1062680 | 19.6 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 80 | 3745853 | 20.7 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 97 | 1136603 | 19.5 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 3291554 | 20.5 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 3818245 | 20.6 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 4744395 | 20.7 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 97 | 2185646 | 19.2 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 96 | 4009873 | 20.9 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 2232486 | 18.9 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 3571029 | 20.3 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 2040776 | 18.9 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 83 | 143655 | 20.3 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.107 | 12.107 | 0.0 | 97 | 1544721 | 18.6 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 1377660 | 17.9 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 93 | 546248 | 19.4 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 3076905 | 18.6 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 1160024 | 18.5 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 80.8 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 38.1 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 43.5 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 59.9 | |

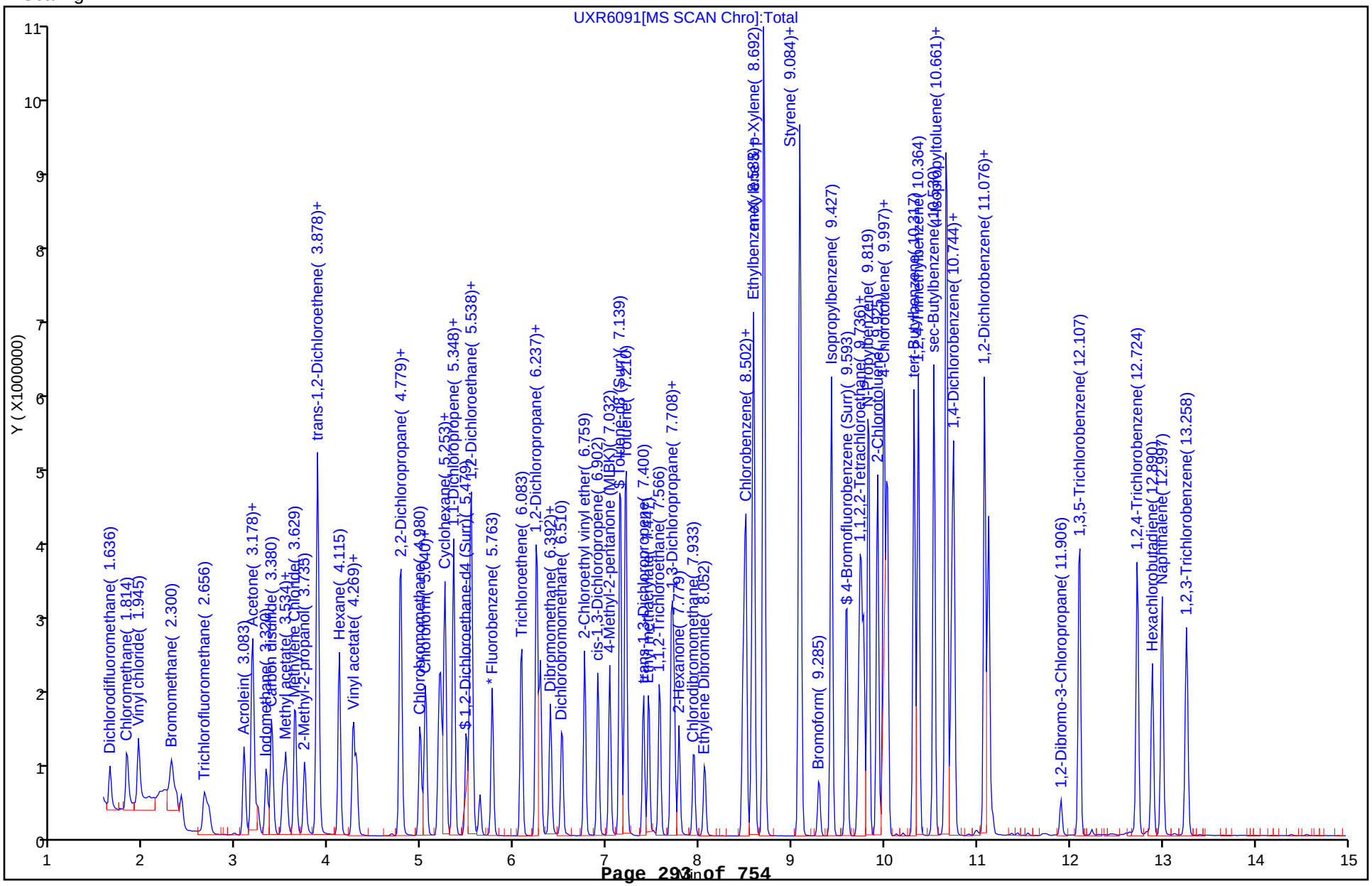
Report Date: 31-Jan-2013 11:12:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6091.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 16:41:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 3 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6092.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 30-Jan-2013 17:03:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: 240-0016957-004
Misc. Info.:
Operator: 1904 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 73638 Lims Sample ID: 4
Sublist: chrom-8260_17*sub1
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:13:01 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: williamsla Date: 31-Jan-2013 09:52:21
Second Level Reviewer: williamsla Date: 31-Jan-2013 11:02:57

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1585193 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 82 | 1217139 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 726776 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 60 | 372172 | 10.4 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 471250 | 10.2 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.151 | 0.0 | 92 | 1642992 | 10.4 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 611021 | 10.6 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 86 | 323912 | 11.5 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 89 | 463855 | 10.2 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 501329 | 10.8 | |
| 18 Bromomethane | 94 | 2.300 | 2.300 | 0.0 | 88 | 200690 | 10.7 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 312535 | 10.7 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 87 | 303129 | 10.6 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 95 | 551078 | 103.1 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 90 | 381858 | 10.4 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 76 | 243120 | 11.1 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 100 | 238615 | 22.4 | |
| 28 Iodomethane | 142 | 3.332 | 3.332 | 0.0 | 96 | 605300 | 10.3 | |
| 29 Carbon disulfide | 76 | 3.391 | 3.391 | 0.0 | 99 | 1236048 | 10.4 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 98 | 471288 | 100.7 | |
| 32 Methyl acetate | 43 | 3.546 | 3.546 | 0.0 | 97 | 584730 | 20.2 | |
| 33 Methylene Chloride | 84 | 3.640 | 3.640 | 0.0 | 86 | 488168 | 10.9 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 97 | 535019 | 218.4 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.878 | 0.0 | 98 | 306441 | 21.6 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 92 | 1206180 | 10.7 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.890 | 0.0 | 96 | 438925 | 10.4 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 119057 | 11.0 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.269 | 0.0 | 85 | 752138 | 10.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 97 | 71983 | 10.8 | |
| 44 2,2-Dichloropropane | 77 | 4.779 | 4.779 | 0.0 | 59 | 369037 | 10.9 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.779 | 0.0 | 68 | 468306 | 10.3 | |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.791 | 0.0 | 97 | 331561 | 20.4 | |
| 50 Chlorobromomethane | 128 | 4.992 | 4.992 | 0.0 | 88 | 221456 | 10.3 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.028 | 0.0 | 95 | 113120 | 11.0 | |
| 52 Chloroform | 83 | 5.052 | 5.052 | 0.0 | 80 | 735610 | 10.4 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 89 | 525322 | 10.4 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 769837 | 11.1 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 62 | 432436 | 10.7 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 93 | 581650 | 10.5 | |
| 58 Benzene | 78 | 5.538 | 5.538 | 0.0 | 94 | 1807285 | 10.1 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 571177 | 10.4 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 93 | 460804 | 10.3 | |
| 65 Methylcyclohexane | 83 | 6.249 | 6.249 | 0.0 | 84 | 804741 | 11.2 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 94 | 418306 | 10.4 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 91 | 237006 | 10.4 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 70 | 212320 | 497.6 | |
| 70 Dichlorobromomethane | 83 | 6.522 | 6.522 | 0.0 | 94 | 472207 | 10.6 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 90 | 475065 | 21.6 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 584228 | 10.8 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 96 | 640493 | 21.2 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 97 | 1928686 | 10.2 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 487291 | 11.0 | |
| 77 Ethyl methacrylate | 69 | 7.447 | 7.447 | 0.0 | 87 | 478778 | 11.1 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 85 | 353732 | 10.5 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 369328 | 10.3 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 89 | 642528 | 10.4 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 421114 | 21.4 | |
| 84 Chlorodibromomethane | 129 | 7.945 | 7.945 | 0.0 | 87 | 314932 | 10.6 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 341897 | 10.6 | |
| 87 Chlorobenzene | 112 | 8.502 | 8.502 | 0.0 | 94 | 1254936 | 10.3 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 84 | 391124 | 10.8 | |
| 89 Ethylbenzene | 106 | 8.585 | 8.585 | 0.0 | 98 | 679996 | 10.8 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1712605 | 21.3 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 827792 | 10.8 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 1345578 | 10.9 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 188299 | 10.7 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 2117575 | 10.8 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 464988 | 10.4 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 77 | 534197 | 10.3 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 63 | 153337 | 10.6 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 52 | 114411 | 10.7 | |
| 101 N-Propylbenzene | 120 | 9.831 | 9.831 | 0.0 | 97 | 605759 | 11.0 | |
| 102 2-Chlorotoluene | 126 | 9.925 | 9.925 | 0.0 | 97 | 528075 | 10.7 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 81 | 1815297 | 11.0 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 559262 | 10.5 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 90 | 1605430 | 10.9 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 1863544 | 11.0 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2297820 | 10.9 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 97 | 1074685 | 10.3 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1950683 | 11.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 93 | 1103275 | 10.2 | |
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1770489 | 11.0 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 96 | 1029565 | 10.4 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 75 | 68484 | 10.6 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.107 | 12.107 | 0.0 | 96 | 796366 | 10.5 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 716535 | 10.2 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 95 | 308469 | 10.7 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1604211 | 10.6 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 98 | 641539 | 11.0 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 42.3 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 20.7 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 21.8 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 32.1 | |

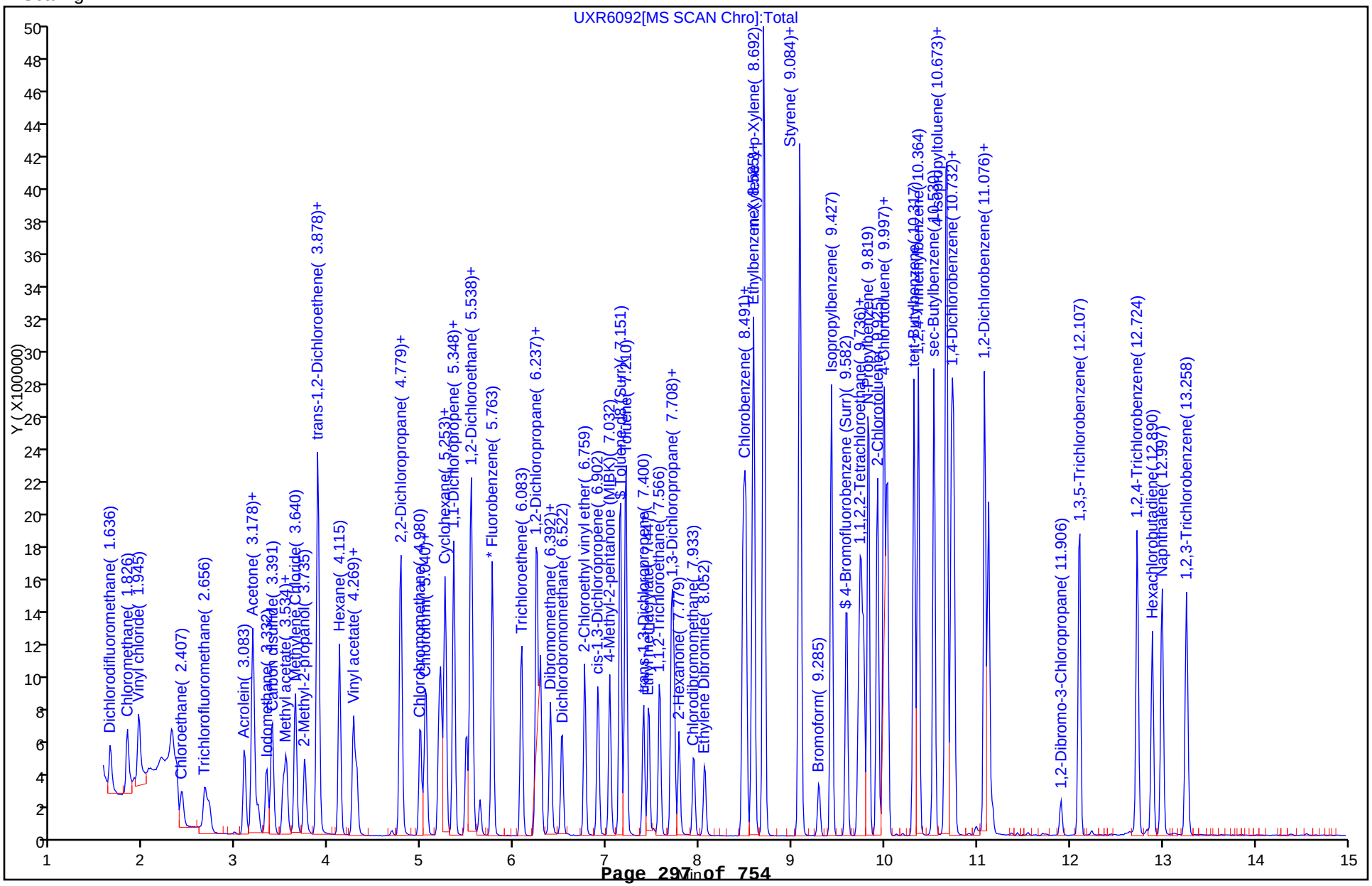
Report Date: 31-Jan-2013 11:13:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6092.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 17:03:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 4 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6093.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 30-Jan-2013 17:26:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0016957-005
Misc. Info.:
Operator: 1904 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 73638 Lims Sample ID: 5
Sublist: chrom-8260_17*sub1
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:13:02 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: williamsla Date: 31-Jan-2013 11:02:26

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1672172 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 81 | 1284564 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 93 | 766720 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 57 | 185865 | 4.91 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 235250 | 4.85 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.151 | 0.0 | 92 | 820328 | 4.92 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 90 | 302503 | 4.98 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 87 | 138924 | 4.66 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 88 | 238375 | 4.96 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 240616 | 4.89 | |
| 18 Bromomethane | 94 | 2.312 | 2.300 | 0.012 | 85 | 110816 | 5.37 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 98 | 158202 | 4.99 | |
| 21 Trichlorofluoromethane | 101 | 2.656 | 2.668 | -0.012 | 86 | 135433 | 4.51 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 94 | 283911 | 50.3 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 89 | 185507 | 4.81 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 81 | 111382 | 4.81 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 97 | 123056 | 10.4 | |
| 28 Iodomethane | 142 | 3.332 | 3.332 | 0.0 | 97 | 312481 | 5.05 | |
| 29 Carbon disulfide | 76 | 3.391 | 3.391 | 0.0 | 99 | 603719 | 4.81 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 98 | 245150 | 48.1 | |
| 32 Methyl acetate | 43 | 3.546 | 3.546 | 0.0 | 97 | 296702 | 9.70 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.640 | 0.0 | 86 | 266367 | 5.13 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 97 | 264319 | 102.3 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.878 | 0.0 | 98 | 157442 | 10.5 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 599687 | 5.03 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.890 | 0.0 | 92 | 224714 | 5.06 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 53308 | 4.67 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.269 | 0.0 | 96 | 384305 | 4.97 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 97 | 33153 | 4.72 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.779 | 4.779 | 0.0 | 57 | 175663 | 4.92 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.779 | 0.0 | 69 | 237315 | 4.93 | |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.791 | 0.0 | 97 | 160912 | 9.40 | |
| 50 Chlorobromomethane | 128 | 4.992 | 4.992 | 0.0 | 84 | 113578 | 5.00 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.028 | 0.0 | 93 | 62198 | 5.23 | |
| 52 Chloroform | 83 | 5.052 | 5.052 | 0.0 | 80 | 375734 | 5.03 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 92 | 265066 | 5.00 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 354196 | 4.85 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 61 | 207710 | 4.88 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 93 | 287973 | 4.92 | |
| 58 Benzene | 78 | 5.538 | 5.538 | 0.0 | 94 | 932732 | 4.93 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 286282 | 4.96 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 92 | 236435 | 4.99 | |
| 65 Methylcyclohexane | 83 | 6.249 | 6.249 | 0.0 | 87 | 359678 | 4.73 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 92 | 208097 | 4.92 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 90 | 121631 | 5.07 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 66 | 106344 | 231.4 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.522 | -0.012 | 93 | 227437 | 4.86 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 91 | 232282 | 10.0 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 90 | 284010 | 4.97 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 96 | 315670 | 9.89 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 97 | 995030 | 5.01 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 232082 | 4.97 | |
| 77 Ethyl methacrylate | 69 | 7.447 | 7.447 | 0.0 | 87 | 226340 | 4.99 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 86 | 175560 | 4.92 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 188081 | 4.95 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 88 | 331669 | 5.08 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 94 | 211511 | 10.2 | |
| 84 Chlorodibromomethane | 129 | 7.945 | 7.945 | 0.0 | 88 | 153281 | 4.88 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 173061 | 5.07 | |
| 87 Chlorobenzene | 112 | 8.502 | 8.502 | 0.0 | 92 | 635659 | 4.96 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 83 | 194689 | 5.09 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 98 | 333569 | 5.00 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 864455 | 10.2 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 94 | 409540 | 5.05 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 659141 | 5.08 | |
| 93 Bromoform | 173 | 9.297 | 9.285 | 0.012 | 96 | 88909 | 4.79 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 1041124 | 5.03 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 87 | 233805 | 4.96 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 82 | 276399 | 5.05 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 67 | 78765 | 5.14 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 52 | 54610 | 4.82 | |
| 101 N-Propylbenzene | 120 | 9.831 | 9.831 | 0.0 | 97 | 292508 | 5.01 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 97 | 266804 | 5.10 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 80 | 884873 | 5.06 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 95 | 286109 | 5.09 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 86 | 783299 | 5.04 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 908855 | 5.07 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 1116008 | 5.03 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 97 | 550900 | 5.00 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 92 | 946123 | 5.10 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 559149 | 4.91 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 93 | 843769 | 4.95 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 522788 | 5.01 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 64 | 33839 | 4.95 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.107 | 12.107 | 0.0 | 97 | 405823 | 5.05 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 359660 | 4.83 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 91 | 160891 | 4.90 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 793815 | 4.97 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 346229 | 5.49 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 19.6 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 9.99 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 9.94 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 15.2 | |

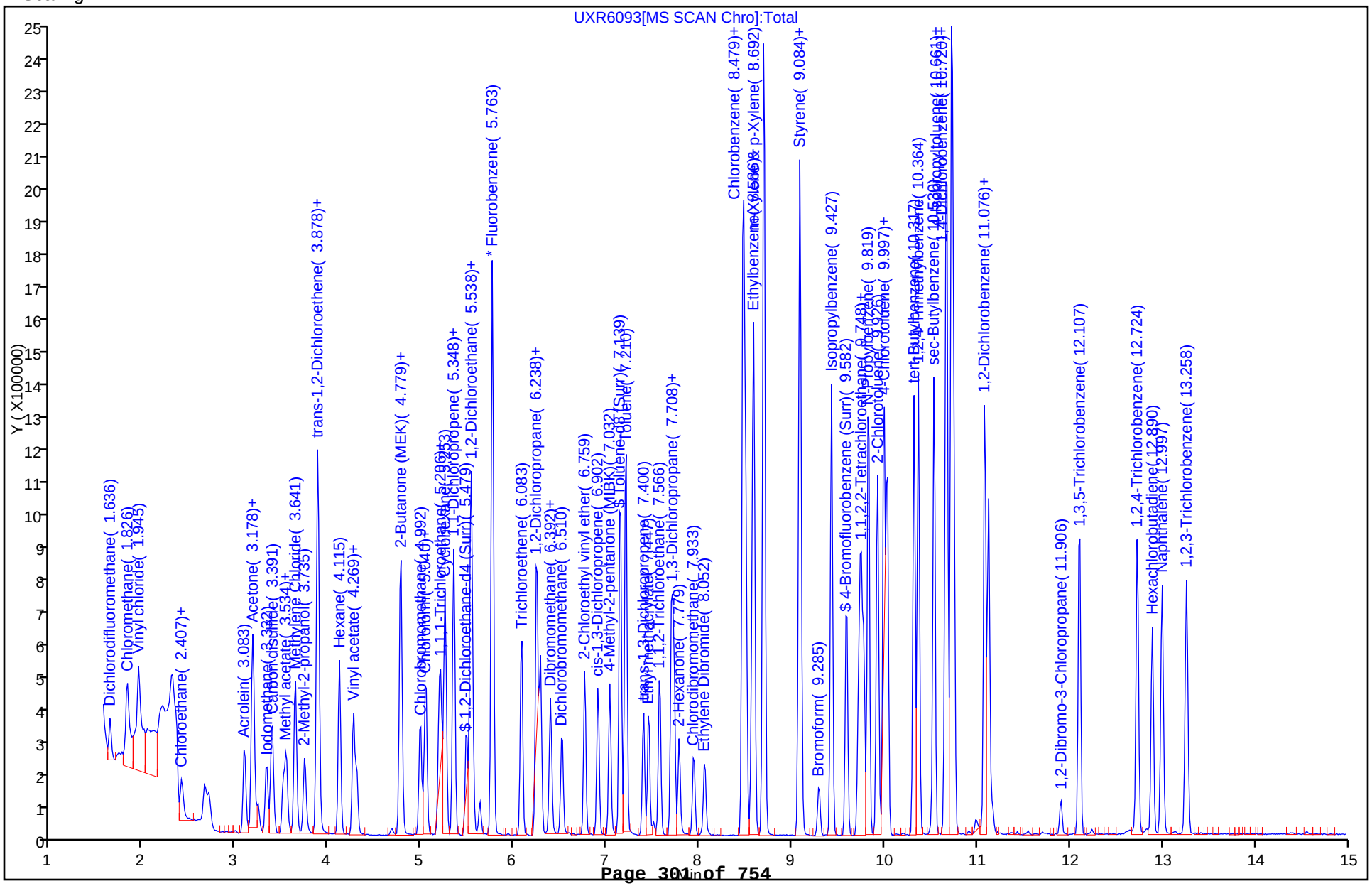
Report Date: 31-Jan-2013 11:13:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6093.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 17:26:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 5 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6094.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 30-Jan-2013 17:48:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0016957-006
Misc. Info.:
Operator: 1904 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 73638 Lims Sample ID: 6
Sublist: chrom-8260_17*sub1
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:13:04 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: williamsla Date: 31-Jan-2013 11:08:12

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1650755 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1283578 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 93 | 764144 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 52 | 73526 | 1.97 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 95072 | 1.98 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.151 | 0.0 | 92 | 314903 | 1.89 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 89 | 113334 | 1.87 | |
| 14 Dichlorodifluoromethane | 85 | 1.637 | 1.636 | 0.001 | 83 | 54724 | 1.86 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 89 | 95723 | 2.02 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 98 | 93576 | 1.93 | |
| 18 Bromomethane | 94 | 2.312 | 2.300 | 0.012 | 78 | 45710 | 1.96 | |
| 19 Chloroethane | 64 | 2.419 | 2.407 | 0.012 | 93 | 66661 | 1.98 | |
| 21 Trichlorofluoromethane | 101 | 2.656 | 2.668 | -0.012 | 81 | 54413 | 1.84 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 92 | 110337 | 19.8 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 97 | 73684 | 1.94 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 62 | 38740 | 1.69 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 96 | 55763 | 3.18 | |
| 28 Iodomethane | 142 | 3.332 | 3.332 | 0.0 | 95 | 117119 | 1.92 | |
| 29 Carbon disulfide | 76 | 3.392 | 3.391 | 0.001 | 98 | 234190 | 1.89 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 100 | 92314 | 18.6 | |
| 32 Methyl acetate | 43 | 3.546 | 3.546 | 0.0 | 96 | 113869 | 3.77 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.640 | 0.001 | 87 | 126104 | 1.90 | |
| 34 2-Methyl-2-propanol | 59 | 3.736 | 3.735 | 0.001 | 96 | 102775 | 40.3 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.878 | 0.0 | 40 | 58428 | 3.95 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 90 | 220743 | 1.88 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.890 | 0.0 | 94 | 85590 | 1.95 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 92 | 20248 | 1.80 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.269 | 0.0 | 84 | 147416 | 1.93 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 96 | 11941 | 1.72 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.779 | -0.012 | 58 | 64632 | 1.83 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.779 | 0.0 | 68 | 93741 | 1.97 | |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.791 | 0.0 | 95 | 66170 | 3.92 | |
| 50 Chlorobromomethane | 128 | 4.993 | 4.992 | 0.0 | 87 | 45387 | 2.02 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.028 | 0.0 | 82 | 31584 | 2.18 | |
| 52 Chloroform | 83 | 5.052 | 5.052 | 0.0 | 80 | 144201 | 1.95 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 88 | 101092 | 1.93 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 89 | 132534 | 1.84 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 65 | 78861 | 1.88 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 91 | 107493 | 1.86 | |
| 58 Benzene | 78 | 5.538 | 5.538 | 0.0 | 94 | 366096 | 1.96 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 95 | 111371 | 1.95 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 90 | 90200 | 1.93 | |
| 65 Methylcyclohexane | 83 | 6.250 | 6.249 | 0.001 | 85 | 135043 | 1.80 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 91 | 82111 | 1.97 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 89 | 46282 | 1.95 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 63 | 38595 | 95.5 | |
| 70 Dichlorobromomethane | 83 | 6.522 | 6.522 | 0.0 | 90 | 85489 | 1.85 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 91 | 79461 | 3.47 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 83 | 99033 | 1.76 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 92 | 120521 | 3.82 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 97 | 379133 | 1.91 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 87 | 75927 | 1.63 | |
| 77 Ethyl methacrylate | 69 | 7.459 | 7.447 | 0.012 | 84 | 78530 | 1.73 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 85 | 67610 | 1.90 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 91 | 72450 | 1.91 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 89 | 124737 | 1.91 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 88 | 74989 | 3.61 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.945 | -0.012 | 80 | 56707 | 1.81 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 89 | 65000 | 1.91 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.502 | 0.001 | 93 | 249607 | 1.95 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 81 | 67647 | 1.77 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 98 | 122335 | 1.84 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 313813 | 3.70 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 148139 | 1.83 | |
| 92 Styrene | 104 | 9.096 | 9.095 | 0.001 | 94 | 231289 | 1.78 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 90 | 30770 | 1.66 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 95 | 377612 | 1.83 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 90005 | 1.92 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 87 | 105122 | 1.93 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 68 | 31335 | 2.05 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 51 | 20452 | 1.81 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.831 | -0.012 | 96 | 103845 | 1.79 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 96 | 98293 | 1.89 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 82 | 317465 | 1.82 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 106347 | 1.90 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 283789 | 1.83 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 75 | 328917 | 1.84 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 92 | 402471 | 1.82 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 97 | 213200 | 1.94 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 85 | 332377 | 1.80 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 92 | 220881 | 1.95 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 94 | 308824 | 1.82 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 95 | 205720 | 1.98 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 45 | 12357 | 1.82 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.108 | 12.107 | 0.001 | 94 | 152836 | 1.91 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 91 | 138495 | 1.87 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 88 | 63880 | 1.80 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 295494 | 1.86 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 98 | 139386 | 2.01 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 7.27 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 3.92 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 3.38 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 5.53 | |

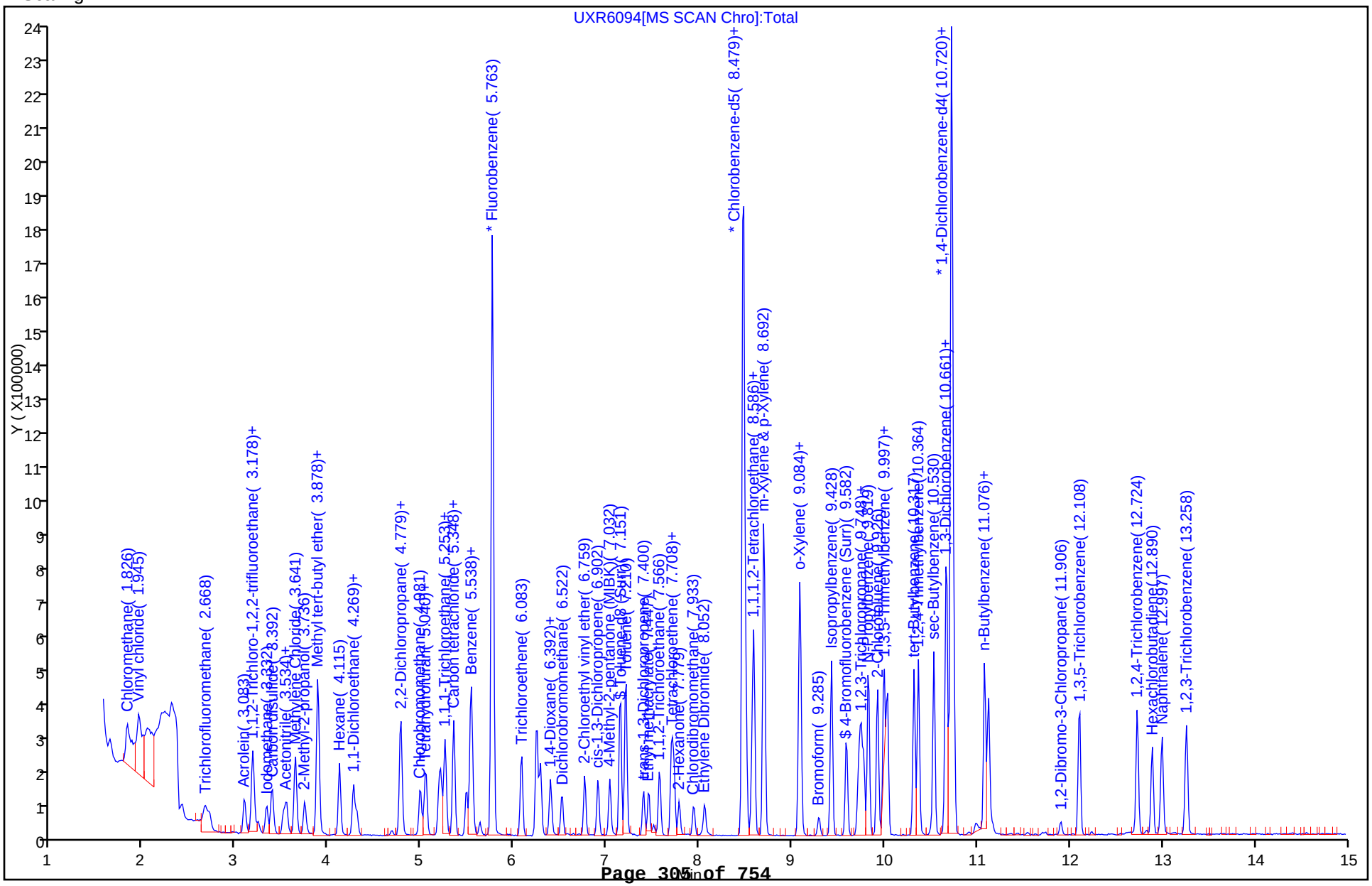
Report Date: 31-Jan-2013 11:13:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6094.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 17:48:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 6 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6095.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 30-Jan-2013 18:11:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0016957-007
Misc. Info.:
Operator: 1904 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 73638 Lims Sample ID: 7
Sublist: chrom-8260_17*sub1
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:13:05 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1612787 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 84 | 1242725 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 728825 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 46 | 19826 | 0.5427 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 26880 | 0.5743 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.151 | 0.0 | 79 | 86192 | 0.5343 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 85 | 30670 | 0.5218 | |
| 14 Dichlorodifluoromethane | 85 | 1.637 | 1.636 | 0.001 | 69 | 13845 | 0.4819 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 84 | 28269 | 0.6104 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 60 | 26589 | 0.5608 | |
| 18 Bromomethane | 94 | 2.312 | 2.300 | 0.012 | 74 | 16976 | 0.4520 | |
| 19 Chloroethane | 64 | 2.419 | 2.407 | 0.012 | 71 | 21510 | 0.4794 | |
| 21 Trichlorofluoromethane | 101 | 2.656 | 2.668 | -0.012 | 64 | 14395 | 0.4969 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 86 | 28760 | 5.29 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 90 | 20509 | 0.5513 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.178 | 3.190 | -0.012 | 34 | 11506 | 0.5150 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 95 | 30180 | 0.2184 | |
| 28 Iodomethane | 142 | 3.332 | 3.332 | 0.0 | 90 | 34350 | 0.5757 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.391 | -0.011 | 98 | 65968 | 0.5455 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 95 | 32064 | 7.22 | |
| 32 Methyl acetate | 43 | 3.546 | 3.546 | 0.0 | 96 | 37618 | 1.28 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.640 | 0.001 | 85 | 64152 | 0.4779 | |
| 34 2-Methyl-2-propanol | 59 | 3.736 | 3.735 | 0.001 | 90 | 27117 | 10.9 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.878 | 0.0 | 33 | 13793 | 0.9548 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 89 | 59297 | 0.5161 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.890 | 0.0 | 86 | 22653 | 0.5290 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 85 | 5629 | 0.5118 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.269 | 0.0 | 57 | 42353 | 0.5674 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 98 | 3001 | 0.4433 | |
| 44 2,2-Dichloropropane | 77 | 4.779 | 4.779 | 0.0 | 52 | 18060 | 0.5243 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.779 | 0.0 | 62 | 26198 | 0.5641 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.791 | 0.0 | 82 | 20617 | 1.25 | |
| 50 Chlorobromomethane | 128 | 4.993 | 4.992 | 0.0 | 73 | 12194 | 0.5561 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.028 | 0.0 | 61 | 13893 | 0.4034 | |
| 52 Chloroform | 83 | 5.052 | 5.052 | 0.0 | 71 | 39198 | 0.5438 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 86 | 27621 | 0.5398 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 85 | 33473 | 0.4757 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 52 | 20885 | 0.5090 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 87 | 30227 | 0.5353 | |
| 58 Benzene | 78 | 5.538 | 5.538 | 0.0 | 93 | 106845 | 0.5854 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 77 | 31122 | 0.5586 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 76 | 26353 | 0.5771 | |
| 65 Methylcyclohexane | 83 | 6.250 | 6.249 | 0.001 | 73 | 35756 | 0.4880 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 77 | 21990 | 0.5390 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 81 | 12557 | 0.5423 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 40 | 10425 | 41.0 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.522 | -0.012 | 83 | 22754 | 0.5041 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 76 | 19490 | 0.8709 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 63 | 24194 | 0.4393 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 83 | 29941 | 0.9723 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 95 | 105584 | 0.5494 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 70 | 18652 | 0.4130 | |
| 77 Ethyl methacrylate | 69 | 7.459 | 7.447 | 0.012 | 67 | 17540 | 0.3994 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 65 | 19841 | 0.5751 | |
| 79 Tetrachloroethene | 164 | 7.708 | 7.696 | 0.012 | 93 | 21687 | 0.5899 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 77 | 33747 | 0.5342 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 85 | 19762 | 0.9818 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.945 | -0.012 | 52 | 14329 | 0.4715 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 69 | 16394 | 0.4969 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.502 | 0.001 | 92 | 69318 | 0.5596 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 70 | 18634 | 0.5040 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 93 | 32831 | 0.5088 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 99 | 81827 | 1.00 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 90 | 38827 | 0.4953 | |
| 92 Styrene | 104 | 9.096 | 9.095 | 0.001 | 86 | 55519 | 0.4425 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 58 | 9003 | 0.5013 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 89 | 94213 | 0.4705 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 69 | 24329 | 0.5433 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 86 | 27713 | 0.5332 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 53 | 7337 | 0.5037 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 34 | 5312 | 0.4937 | |
| 101 N-Propylbenzene | 120 | 9.831 | 9.831 | 0.0 | 91 | 26562 | 0.4789 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 93 | 25179 | 0.5066 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 71 | 74267 | 0.4471 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 87 | 27509 | 0.5144 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 84 | 69336 | 0.4692 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 66 | 76200 | 0.4471 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 84 | 98126 | 0.4651 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 88 | 56864 | 0.5434 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 75 | 77568 | 0.4398 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 76 | 61221 | 0.5654 | |
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 86 | 79407 | 0.4903 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 87 | 54283 | 0.5468 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 2 | 3375 | 0.5198 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.108 | 12.107 | 0.001 | 86 | 47144 | 0.6177 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 84 | 42042 | 0.5944 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 70 | 20815 | 0.5049 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 82296 | 0.5424 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 90 | 43633 | 0.4326 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 2.02 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 1.09 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 0.8522 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 1.49 | |

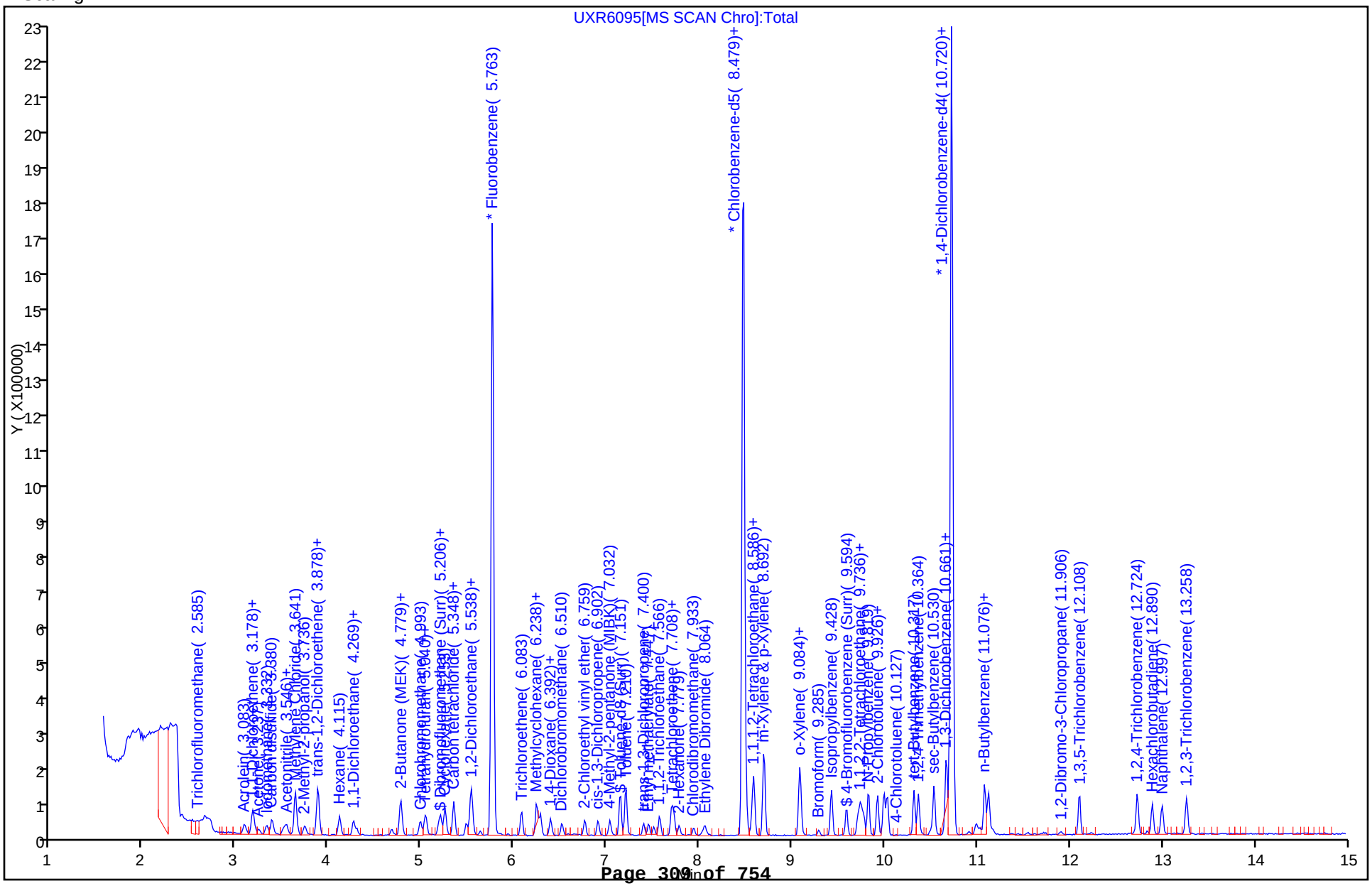
Report Date: 31-Jan-2013 11:13:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6095.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 18:11:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 7 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 18:33 Calibration End Date: 01/30/2013 20:24 Calibration ID: 13540

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STDA9 240-73638/13 | UXR6101.D |
| Level 2 | STDA9 240-73638/12 | UXR6100.D |
| Level 3 | STDA9 240-73638/11 | UXR6099.D |
| Level 4 | STDA9 240-73638/10 | UXR6098.D |
| Level 5 | STDA9 240-73638/9 | UXR6097.D |
| Level 6 | STDA9 240-73638/8 | UXR6096.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorofluoromethane | 0.5161<br>0.4268 | 0.4569 | 0.4983 | 0.4370 | 0.4382 | Ave | | 0.4622 | | | | 7.9 | | 15.0 | | | |
| Ethyl ether | 0.2160<br>0.2092 | 0.2097 | 0.2287 | 0.2068 | 0.2122 | Ave | | 0.2138 | | | | 3.7 | | 15.0 | | | |
| 3-Chloro-1-propene | 0.1142<br>0.1373 | 0.1246 | 0.1380 | 0.1263 | 0.1327 | Ave | | 0.1289 | | | | 7.0 | | 15.0 | | | |
| Isopropyl ether | 0.2210<br>0.2542 | 0.2237 | 0.2673 | 0.2427 | 0.2493 | Ave | | 0.2430 | | | | 7.4 | | 15.0 | | | |
| 2-Chloro-1,3-butadiene | 0.3498<br>0.4040 | 0.3548 | 0.4177 | 0.3778 | 0.3921 | Ave | | 0.3827 | | | | 7.1 | | 15.0 | | | |
| Tert-butyl ethyl ether | 0.6231<br>0.7591 | 0.6572 | 0.7860 | 0.7086 | 0.7483 | Ave | | 0.7137 | | | | 8.8 | | 15.0 | | | |
| Ethyl acetate | 0.2095<br>0.1842 | 0.1748 | 0.1938 | 0.1743 | 0.1833 | Ave | | 0.1866 | | | | 7.1 | | 15.0 | | | |
| Propionitrile | 0.0281<br>0.0313 | 0.0292 | 0.0350 | 0.0306 | 0.0324 | Ave | | 0.0311 | | | | 7.9 | | 15.0 | | | |
| Methacrylonitrile | 0.1496<br>0.1283 | 0.1221 | 0.1351 | 0.1224 | 0.1285 | Ave | | 0.1310 | | | | 7.9 | | 15.0 | | | |
| Isobutyl alcohol | 0.0107<br>0.0074 | 0.0067 | 0.0079 | 0.0074 | 0.0075 | Lin1 | 0.0220 | 0.0074 | | | | | | | 0.9990 | | 0.9900 |
| Tert-amyl methyl ether | 0.5393<br>0.6838 | 0.5579 | 0.6714 | 0.6231 | 0.6594 | Ave | | 0.6225 | | | | 9.8 | | 15.0 | | | |
| n-Heptane | 0.0587<br>0.0781 | 0.0652 | 0.0711 | 0.0751 | 0.0752 | Ave | | 0.0706 | | | | 10.0 | | 15.0 | | | |
| n-Butanol | 0.0054<br>0.0065 | 0.0056 | 0.0065 | 0.0060 | 0.0066 | Ave | | 0.0061 | | | | 8.4 | | 15.0 | | | |
| Methyl methacrylate | 0.1879<br>0.1779 | 0.1538 | 0.1612 | 0.1501 | 0.1645 | Ave | | 0.1659 | | | | 8.7 | | 15.0 | | | |
| 2-Nitropropane | 0.0524<br>0.0417 | 0.0365 | 0.0374 | 0.0343 | 0.0374 | Lin1 | 0.0033 | 0.0392 | | | | | | | 0.9930 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 18:33 Calibration End Date: 01/30/2013 20:24 Calibration ID: 13540

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Cyclohexanone | 0.0513<br>0.0640 | 0.0488 | 0.0634 | 0.0613 | 0.0627 | Ave | | 0.0586 | | | | 11.0 | | 15.0 | | | |
| 1,2,3-Trimethylbenzene | 2.0322<br>2.5489 | 2.1203 | 2.5568 | 2.4041 | 2.5028 | Ave | | 2.3608 | | | | 9.7 | | 15.0 | | | |
| 2-Methylnaphthalene | 1.4708<br>0.4109 | 1.0412 | 1.1346 | 1.0212 | 0.8032 | Qua | 0.0551 | 1.2042 | -0.010 | | | | | | 0.9990 | | 0.9900 |
| n-Butyl acetate | 0.1322<br>0.1808 | 0.1223 | 0.1543 | 0.1536 | 0.1707 | Ave | | 0.1523 | | | | 15.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 18:33 Calibration End Date: 01/30/2013 20:24 Calibration ID: 13540

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STDA9 240-73638/13 | UXR6101.D |
| Level 2 | STDA9 240-73638/12 | UXR6100.D |
| Level 3 | STDA9 240-73638/11 | UXR6099.D |
| Level 4 | STDA9 240-73638/10 | UXR6098.D |
| Level 5 | STDA9 240-73638/9 | UXR6097.D |
| Level 6 | STDA9 240-73638/8 | UXR6096.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Dichlorofluoromethane | FB | Ave | 41488<br>2935724 | 151195 | 373967 | 734726 | 1489085 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethyl ether | FB | Ave | 17366<br>1438838 | 69390 | 171632 | 347722 | 721091 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 3-Chloro-1-propene | FB | Ave | 9180<br>944658 | 41245 | 103528 | 212337 | 451112 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Isopropyl ether | FB | Ave | 88805<br>8744201 | 370186 | 1003036 | 2040437 | 4236377 | 2.50<br>200 | 10.0 | 25.0 | 50.0 | 100 |
| 2-Chloro-1,3-butadiene | FB | Ave | 28121<br>2779249 | 117400 | 313477 | 635186 | 1332480 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Tert-butyl ethyl ether | FB | Ave | 50083<br>5221882 | 217469 | 589872 | 1191258 | 2543094 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethyl acetate | FB | Ave | 33684<br>2533562 | 115680 | 290822 | 585900 | 1245687 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Propionitrile | FB | Ave | 4513<br>430845 | 19343 | 52589 | 102961 | 220123 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Methacrylonitrile | FB | Ave | 12022<br>882617 | 40395 | 101385 | 205733 | 436619 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Isobutyl alcohol | CBZ | Lin1 | 12968<br>781128 | 33693 | 90787 | 187510 | 391798 | 10.0<br>800 | 40.0 | 100 | 200 | 400 |
| Tert-amyl methyl ether | FB | Ave | 43353<br>4703595 | 184607 | 503850 | 1047497 | 2241024 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| n-Heptane | FB | Ave | 4721<br>537037 | 21578 | 53334 | 126252 | 255593 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| n-Butanol | CBZ | Ave | 6587<br>679609 | 28109 | 74994 | 151212 | 341346 | 10.0<br>800 | 40.0 | 100 | 200 | 400 |
| Methyl methacrylate | FB | Ave | 15106<br>1223439 | 50892 | 121011 | 252304 | 559010 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Nitropropane | FB | Lin1 | 8425<br>573294 | 24128 | 56172 | 115344 | 254389 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Cyclohexanone | DCB | Ave | 17316<br>1935905 | 67419 | 207063 | 444336 | 940158 | 5.00<br>400 | 20.0 | 50.0 | 100 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 73638

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 18:33 Calibration End Date: 01/30/2013 20:24 Calibration ID: 13540

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,2,3-Trimethylbenzene | DCB | Ave | 68579<br>7711324 | 292959 | 835218 | 1743616 | 3753718 | 0.500<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Methylnaphthalene | DCB | Qua | 99269<br>2486012 | 287721 | 741269 | 1481283 | 2409308 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| n-Butyl acetate | CBZ | Ave | 16089<br>1898322 | 61821 | 177469 | 387879 | 887819 | 1.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6096.D | | |
| Lims ID: | STDA9 L6 | Client ID: | |
| Inject. Date: | 30-Jan-2013 18:33:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 6 |
| Sample ID: | 240-0016957-008 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 7 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 8 |
| Sublist: | chrom-8260_17*sub2 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m | | |
| Last Update: | 31-Jan-2013 11:13:06 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK031 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 92 | 1719751 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1312256 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 88 | 756342 | 10.0 | |
| 20 Dichlorofluoromethane | 67 | 2.621 | 2.621 | 0.0 | 83 | 2935724 | 36.9 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 88 | 1438838 | 39.1 | |
| 31 3-Chloro-1-propene | 76 | 3.522 | 3.522 | 0.0 | 90 | 944658 | 42.6 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 85 | 8744201 | 209.2 | |
| 42 2-Chloro-1,3-butadiene | 53 | 4.340 | 4.340 | 0.0 | 82 | 2779249 | 42.2 | |
| 43 Tert-butyl ethyl ether | 59 | 4.625 | 4.625 | 0.0 | 97 | 5221882 | 42.5 | |
| 47 Ethyl acetate | 43 | 4.826 | 4.826 | 0.0 | 99 | 2533562 | 78.9 | |
| 48 Propionitrile | 54 | 4.850 | 4.850 | 0.0 | 99 | 430845 | 80.5 | |
| 49 Methacrylonitrile | 41 | 4.981 | 4.981 | 0.0 | 91 | 882617 | 39.2 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 94 | 781128 | 800.7 | |
| 60 Tert-amyl methyl ether | 73 | 5.609 | 5.609 | 0.0 | 98 | 4703595 | 43.9 | |
| 61 n-Heptane | 100 | 5.728 | 5.728 | 0.0 | 88 | 537037 | 44.3 | |
| 62 n-Butanol | 56 | 5.989 | 5.989 | 0.0 | 87 | 679609 | 850.9 | |
| 67 Methyl methacrylate | 41 | 6.356 | 6.356 | 0.0 | 88 | 1223439 | 42.9 | |
| 71 2-Nitropropane | 41 | 6.724 | 6.724 | 0.0 | 98 | 573294 | 85.0 | |
| 83 n-Butyl acetate | 56 | 7.874 | 7.874 | 0.0 | 98 | 1898322 | 95.0 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 92 | 1935905 | 437.0 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 98 | 7711324 | 43.2 | |
| 120 2-Methylnaphthalene | 142 | 14.396 | 14.396 | 0.0 | 100 | 2486012 | 41.4 | |

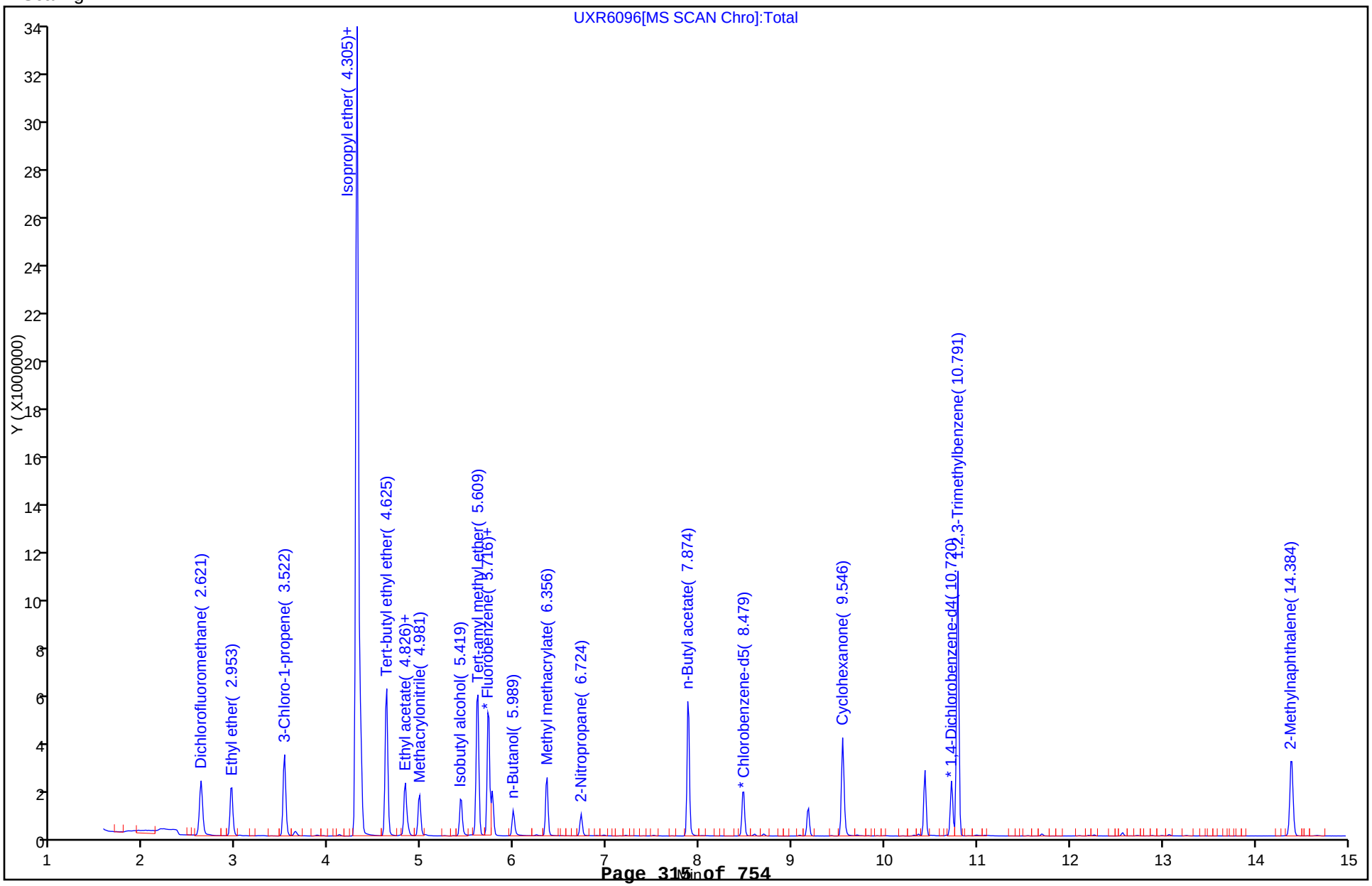
Report Date: 31-Jan-2013 11:13:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6096.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 18:33:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 8 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6097.D | | |
| Lims ID: | STDA9 L5 | Client ID: | |
| Inject. Date: | 30-Jan-2013 18:55:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 5 |
| Sample ID: | 240-0016957-009 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 8 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 9 |
| Sublist: | chrom-8260_17*sub2 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m | | |
| Last Update: | 31-Jan-2013 11:13:07 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK031 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 93 | 1699243 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 82 | 1300219 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 93 | 749917 | 10.0 | |
| 20 Dichlorofluoromethane | 67 | 2.621 | 2.621 | 0.0 | 83 | 1489085 | 19.0 | |
| 22 Ethyl ether | 59 | 2.941 | 2.953 | -0.012 | 89 | 721091 | 19.9 | |
| 31 3-Chloro-1-propene | 76 | 3.522 | 3.522 | 0.0 | 90 | 451112 | 20.6 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 94 | 4236377 | 102.6 | |
| 42 2-Chloro-1,3-butadiene | 53 | 4.340 | 4.340 | 0.0 | 83 | 1332480 | 20.5 | |
| 43 Tert-butyl ethyl ether | 59 | 4.625 | 4.625 | 0.0 | 97 | 2543094 | 21.0 | |
| 47 Ethyl acetate | 43 | 4.827 | 4.826 | 0.001 | 99 | 1245687 | 39.3 | |
| 48 Propionitrile | 54 | 4.850 | 4.850 | 0.0 | 98 | 220123 | 41.6 | |
| 49 Methacrylonitrile | 41 | 4.981 | 4.981 | 0.0 | 91 | 436619 | 19.6 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 92 | 391798 | 403.8 | |
| 60 Tert-amyl methyl ether | 73 | 5.609 | 5.609 | 0.0 | 98 | 2241024 | 21.2 | |
| 61 n-Heptane | 100 | 5.728 | 5.728 | 0.0 | 89 | 255593 | 21.3 | |
| 62 n-Butanol | 56 | 5.989 | 5.989 | 0.0 | 89 | 341346 | 431.4 | |
| 67 Methyl methacrylate | 41 | 6.356 | 6.356 | 0.0 | 88 | 559010 | 19.8 | |
| 71 2-Nitropropane | 41 | 6.724 | 6.724 | 0.0 | 99 | 254389 | 38.1 | |
| 83 n-Butyl acetate | 56 | 7.874 | 7.874 | 0.0 | 98 | 887819 | 44.8 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 92 | 940158 | 214.0 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 98 | 3753718 | 21.2 | |
| 120 2-Methylnaphthalene | 142 | 14.396 | 14.396 | 0.0 | 100 | 2409308 | 39.5 | |

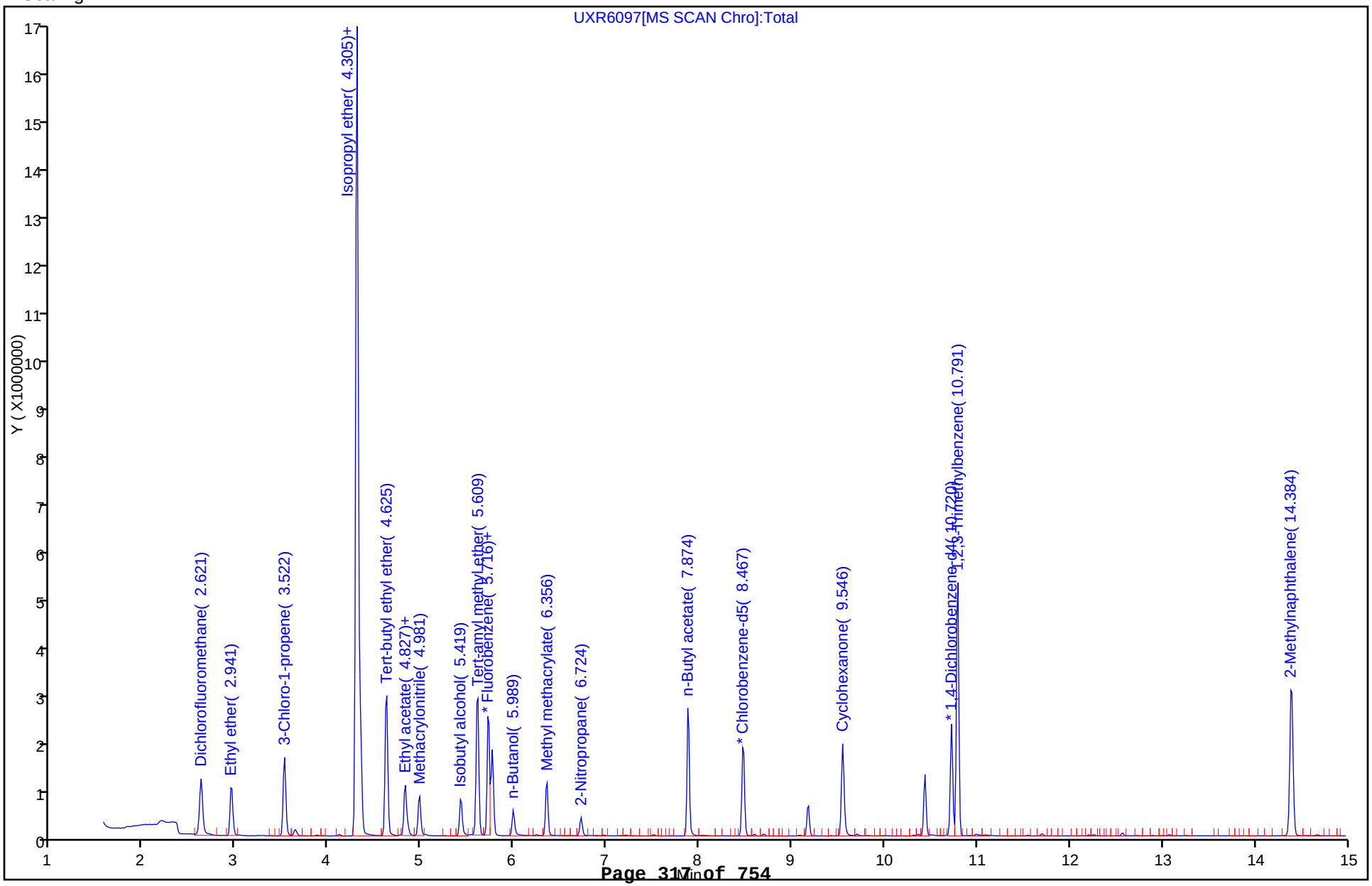
Report Date: 31-Jan-2013 11:13:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6097.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 18:55:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 9 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6098.D
Lims ID: STDA9 L4 Client ID:
Inject. Date: 30-Jan-2013 19:17:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0016957-010
Misc. Info.:
Operator: 1904 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 73638 Lims Sample ID: 10
Sublist: chrom-8260_17*sub2
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:13:07 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 98 | 1681180 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1262986 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 88 | 725277 | 10.0 | |
| 20 Dichlorofluoromethane | 67 | 2.621 | 2.621 | 0.0 | 83 | 734726 | 9.46 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 88 | 347722 | 9.68 | |
| 31 3-Chloro-1-propene | 76 | 3.522 | 3.522 | 0.0 | 90 | 212337 | 9.80 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 94 | 2040437 | 49.9 | |
| 42 2-Chloro-1,3-butadiene | 53 | 4.340 | 4.340 | 0.0 | 83 | 635186 | 9.87 | |
| 43 Tert-butyl ethyl ether | 59 | 4.625 | 4.625 | 0.0 | 97 | 1191258 | 9.93 | |
| 47 Ethyl acetate | 43 | 4.826 | 4.826 | 0.0 | 99 | 585900 | 18.7 | |
| 48 Propionitrile | 54 | 4.850 | 4.850 | 0.0 | 98 | 102961 | 19.7 | |
| 49 Methacrylonitrile | 41 | 4.981 | 4.981 | 0.0 | 91 | 205733 | 9.34 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 93 | 187510 | 197.5 | |
| 60 Tert-amyl methyl ether | 73 | 5.609 | 5.609 | 0.0 | 97 | 1047497 | 10.0 | |
| 61 n-Heptane | 100 | 5.728 | 5.728 | 0.0 | 89 | 126252 | 10.6 | |
| 62 n-Butanol | 56 | 5.989 | 5.989 | 0.0 | 93 | 151212 | 196.7 | |
| 67 Methyl methacrylate | 41 | 6.356 | 6.356 | 0.0 | 87 | 252304 | 9.05 | |
| 71 2-Nitropropane | 41 | 6.724 | 6.724 | 0.0 | 99 | 115344 | 17.4 | |
| 83 n-Butyl acetate | 56 | 7.874 | 7.874 | 0.0 | 98 | 387879 | 20.2 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 91 | 444336 | 104.6 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 98 | 1743616 | 10.2 | |
| 120 2-Methylnaphthalene | 142 | 14.396 | 14.396 | 0.0 | 100 | 1481283 | 20.3 | |

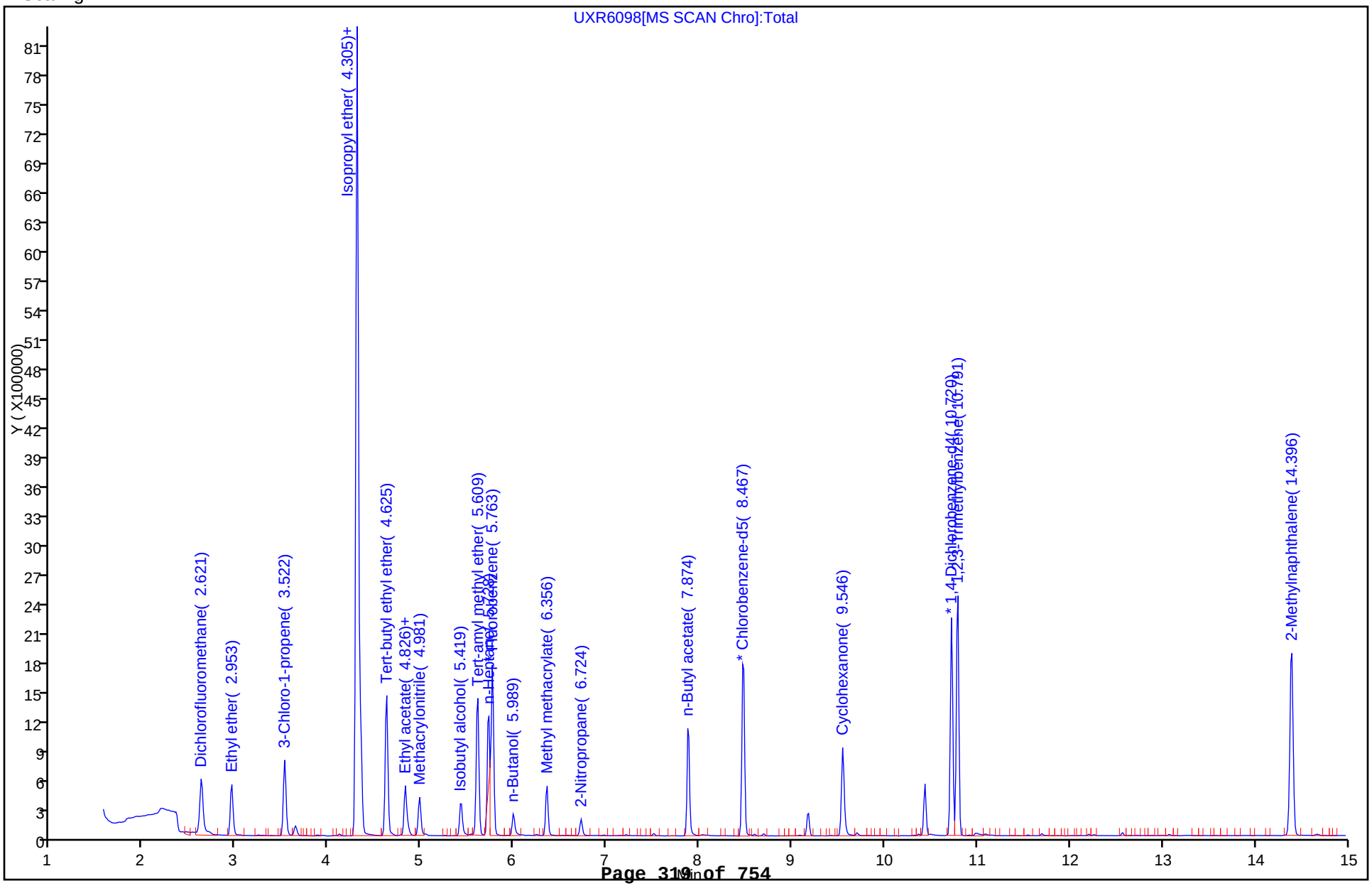
Report Date: 31-Jan-2013 11:13:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6098.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 19:17:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 10 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6099.D | | |
| Lims ID: | STDA9 L3 | Client ID: | |
| Inject. Date: | 30-Jan-2013 19:40:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 3 |
| Sample ID: | 240-0016957-011 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 10 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 11 |
| Sublist: | chrom-8260_17*sub2 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m | | |
| Last Update: | 31-Jan-2013 11:13:08 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK031 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 98 | 1500914 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1150139 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 653341 | 10.0 | |
| 20 Dichlorofluoromethane | 67 | 2.621 | 2.621 | 0.0 | 83 | 373967 | 5.39 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 88 | 171632 | 5.35 | |
| 31 3-Chloro-1-propene | 76 | 3.522 | 3.522 | 0.0 | 89 | 103528 | 5.35 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 93 | 1003036 | 27.5 | |
| 42 2-Chloro-1,3-butadiene | 53 | 4.340 | 4.340 | 0.0 | 91 | 313477 | 5.46 | |
| 43 Tert-butyl ethyl ether | 59 | 4.625 | 4.625 | 0.0 | 97 | 589872 | 5.51 | |
| 47 Ethyl acetate | 43 | 4.827 | 4.826 | 0.001 | 98 | 290822 | 10.4 | |
| 48 Propionitrile | 54 | 4.850 | 4.850 | 0.0 | 96 | 52589 | 11.3 | |
| 49 Methacrylonitrile | 41 | 4.981 | 4.981 | 0.0 | 91 | 101385 | 5.16 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 90 | 90787 | 103.6 | |
| 60 Tert-amyl methyl ether | 73 | 5.609 | 5.609 | 0.0 | 96 | 503850 | 5.39 | |
| 61 n-Heptane | 100 | 5.728 | 5.728 | 0.0 | 89 | 53334 | 5.04 | |
| 62 n-Butanol | 56 | 5.989 | 5.989 | 0.0 | 91 | 74994 | 107.1 | |
| 67 Methyl methacrylate | 41 | 6.356 | 6.356 | 0.0 | 85 | 121011 | 4.86 | |
| 71 2-Nitropropane | 41 | 6.724 | 6.724 | 0.0 | 94 | 56172 | 9.47 | |
| 83 n-Butyl acetate | 56 | 7.874 | 7.874 | 0.0 | 98 | 177469 | 10.1 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 91 | 207063 | 54.1 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 98 | 835218 | 5.41 | |
| 120 2-Methylnaphthalene | 142 | 14.396 | 14.396 | 0.0 | 100 | 741269 | 10.2 | |

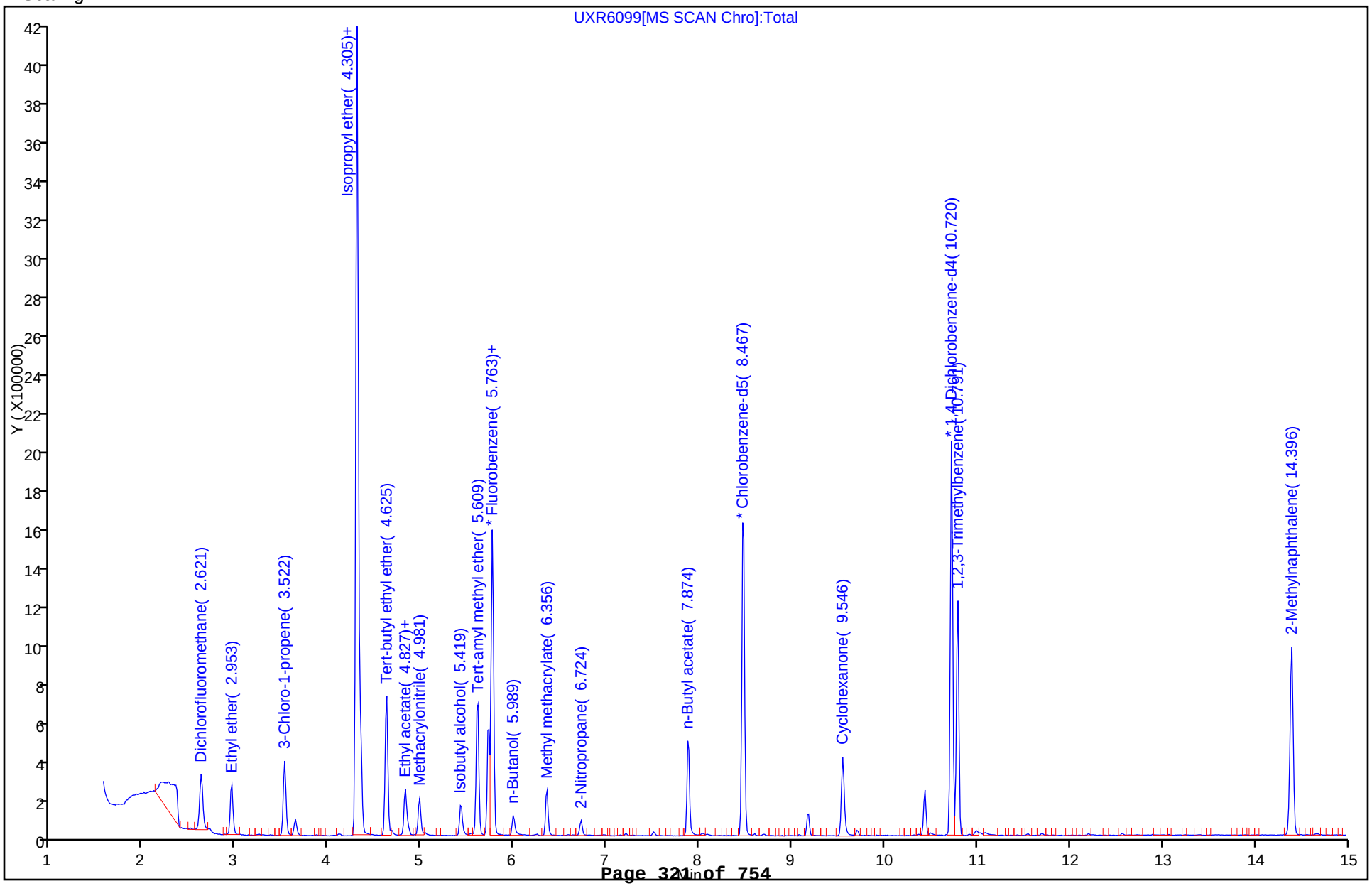
Report Date: 31-Jan-2013 11:13:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6099.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 19:40:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 11 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6100.D | | |
| Lims ID: | STDA9 L2 | Client ID: | |
| Inject. Date: | 30-Jan-2013 20:02:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 2 |
| Sample ID: | 240-0016957-012 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 11 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 12 |
| Sublist: | chrom-8260_17*sub2 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m | | |
| Last Update: | 31-Jan-2013 11:13:09 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK031 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1654575 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 85 | 1263405 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 690849 | 10.0 | |
| 20 Dichlorofluoromethane | 67 | 2.621 | 2.621 | 0.0 | 82 | 151195 | 1.98 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 85 | 69390 | 1.96 | |
| 31 3-Chloro-1-propene | 76 | 3.522 | 3.522 | 0.0 | 87 | 41245 | 1.93 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 93 | 370186 | 9.21 | |
| 42 2-Chloro-1,3-butadiene | 53 | 4.340 | 4.340 | 0.0 | 85 | 117400 | 1.85 | |
| 43 Tert-butyl ethyl ether | 59 | 4.625 | 4.625 | 0.0 | 96 | 217469 | 1.84 | |
| 47 Ethyl acetate | 43 | 4.826 | 4.826 | 0.0 | 96 | 115680 | 3.75 | |
| 48 Propionitrile | 54 | 4.850 | 4.850 | 0.0 | 87 | 19343 | 3.76 | |
| 49 Methacrylonitrile | 41 | 4.981 | 4.981 | 0.0 | 80 | 40395 | 1.86 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 91 | 33693 | 33.0 | |
| 60 Tert-amyl methyl ether | 73 | 5.609 | 5.609 | 0.0 | 95 | 184607 | 1.79 | |
| 61 n-Heptane | 100 | 5.728 | 5.728 | 0.0 | 90 | 21578 | 1.85 | |
| 62 n-Butanol | 56 | 5.989 | 5.989 | 0.0 | 79 | 28109 | 36.6 | |
| 67 Methyl methacrylate | 41 | 6.356 | 6.356 | 0.0 | 84 | 50892 | 1.85 | |
| 71 2-Nitropropane | 41 | 6.724 | 6.724 | 0.0 | 87 | 24128 | 3.64 | |
| 83 n-Butyl acetate | 56 | 7.874 | 7.874 | 0.0 | 99 | 61821 | 3.21 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 91 | 67419 | 16.7 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 96 | 292959 | 1.80 | |
| 120 2-Methylnaphthalene | 142 | 14.396 | 14.396 | 0.0 | 95 | 287721 | 3.51 | |

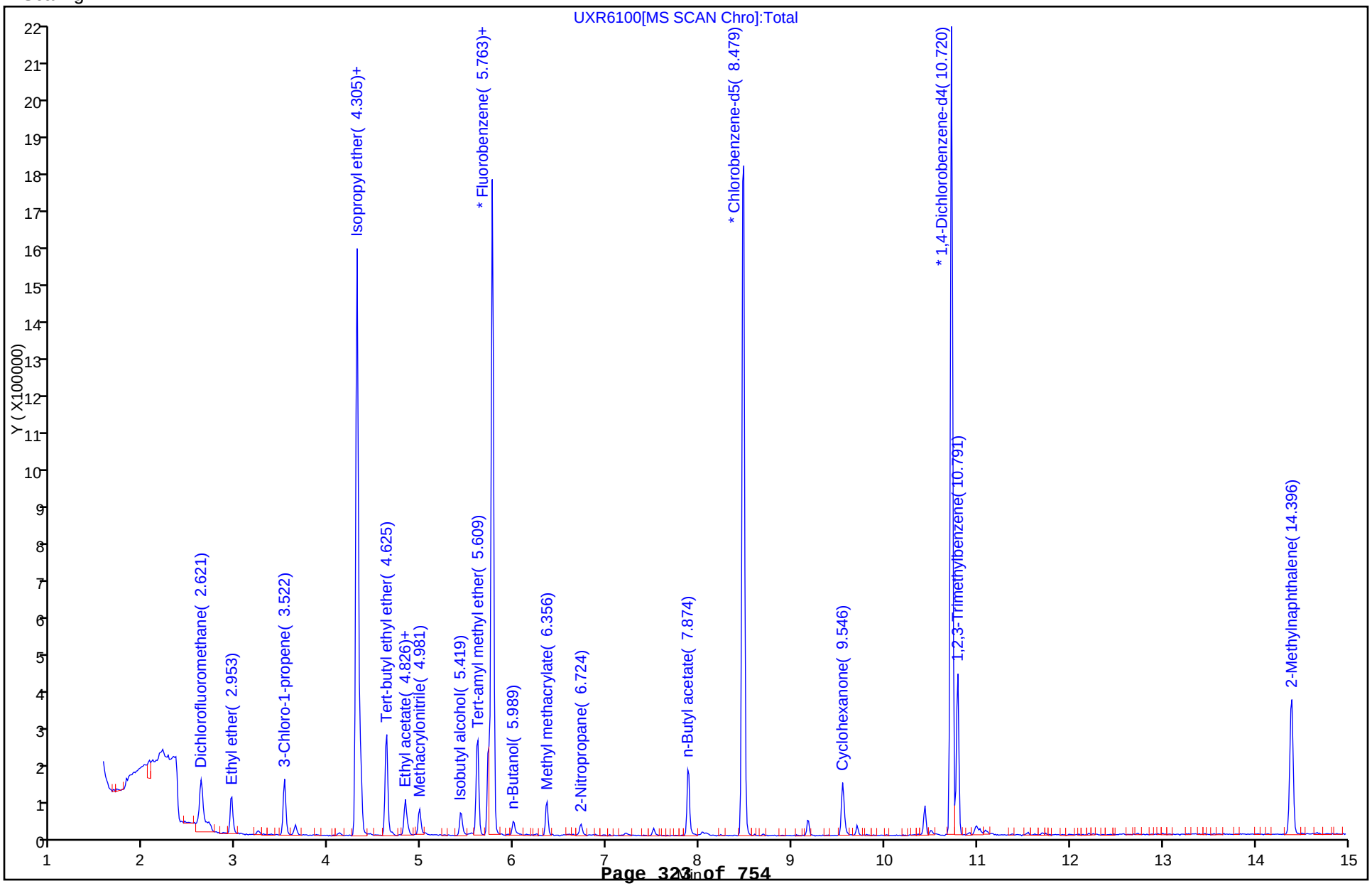
Report Date: 31-Jan-2013 11:13:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6100.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 20:02:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 12 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Lims ID: | STDA9 L1 | Client ID: | |
| Inject. Date: | 30-Jan-2013 20:24:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 1 |
| Sample ID: | 240-0016957-013 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 12 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 13 |
| Sublist: | chrom-8260_17*sub2 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m | | |
| Last Update: | 31-Jan-2013 11:13:10 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK031 | | |
| First Level Reviewer: quayler | | Date: | 31-Jan-2013 08:23:53 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1607636 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1217280 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 674927 | 10.0 | |
| 20 Dichlorofluoromethane | 67 | 2.621 | 2.621 | 0.0 | 79 | 41488 | 0.5583 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 71 | 17366 | 0.5053 | |
| 31 3-Chloro-1-propene | 76 | 3.522 | 3.522 | 0.0 | 80 | 9180 | 0.4431 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 91 | 88805 | 2.27 | |
| 42 2-Chloro-1,3-butadiene | 53 | 4.340 | 4.340 | 0.0 | 66 | 28121 | 0.4571 | |
| 43 Tert-butyl ethyl ether | 59 | 4.625 | 4.625 | 0.0 | 92 | 50083 | 0.4365 | |
| 47 Ethyl acetate | 43 | 4.827 | 4.826 | 0.001 | 96 | 33684 | 1.12 | |
| 48 Propionitrile | 54 | 4.862 | 4.850 | 0.012 | 11 | 4513 | 0.9024 | |
| 49 Methacrylonitrile | 41 | 4.981 | 4.981 | 0.0 | 73 | 12022 | 0.5709 | |
| 57 Isobutyl alcohol | 41 | 5.431 | 5.419 | 0.012 | 51 | 12968 | 11.4 | |
| 60 Tert-amyl methyl ether | 73 | 5.609 | 5.609 | 0.0 | 85 | 43353 | 0.4332 | |
| 61 n-Heptane | 100 | 5.728 | 5.728 | 0.0 | 76 | 4721 | 0.4162 | |
| 62 n-Butanol | 56 | 5.989 | 5.989 | 0.0 | 77 | 6587 | 8.89 | |
| 67 Methyl methacrylate | 41 | 6.356 | 6.356 | 0.0 | 63 | 15106 | 0.5664 | |
| 71 2-Nitropropane | 41 | 6.724 | 6.724 | 0.0 | 75 | 8425 | 1.25 | |
| 83 n-Butyl acetate | 56 | 7.874 | 7.874 | 0.0 | 88 | 16089 | 0.8678 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 76 | 17316 | 4.38 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 85 | 68579 | 0.4304 | |
| 120 2-Methylnaphthalene | 142 | 14.396 | 14.396 | 0.0 | 98 | 99269 | 1.19 | |

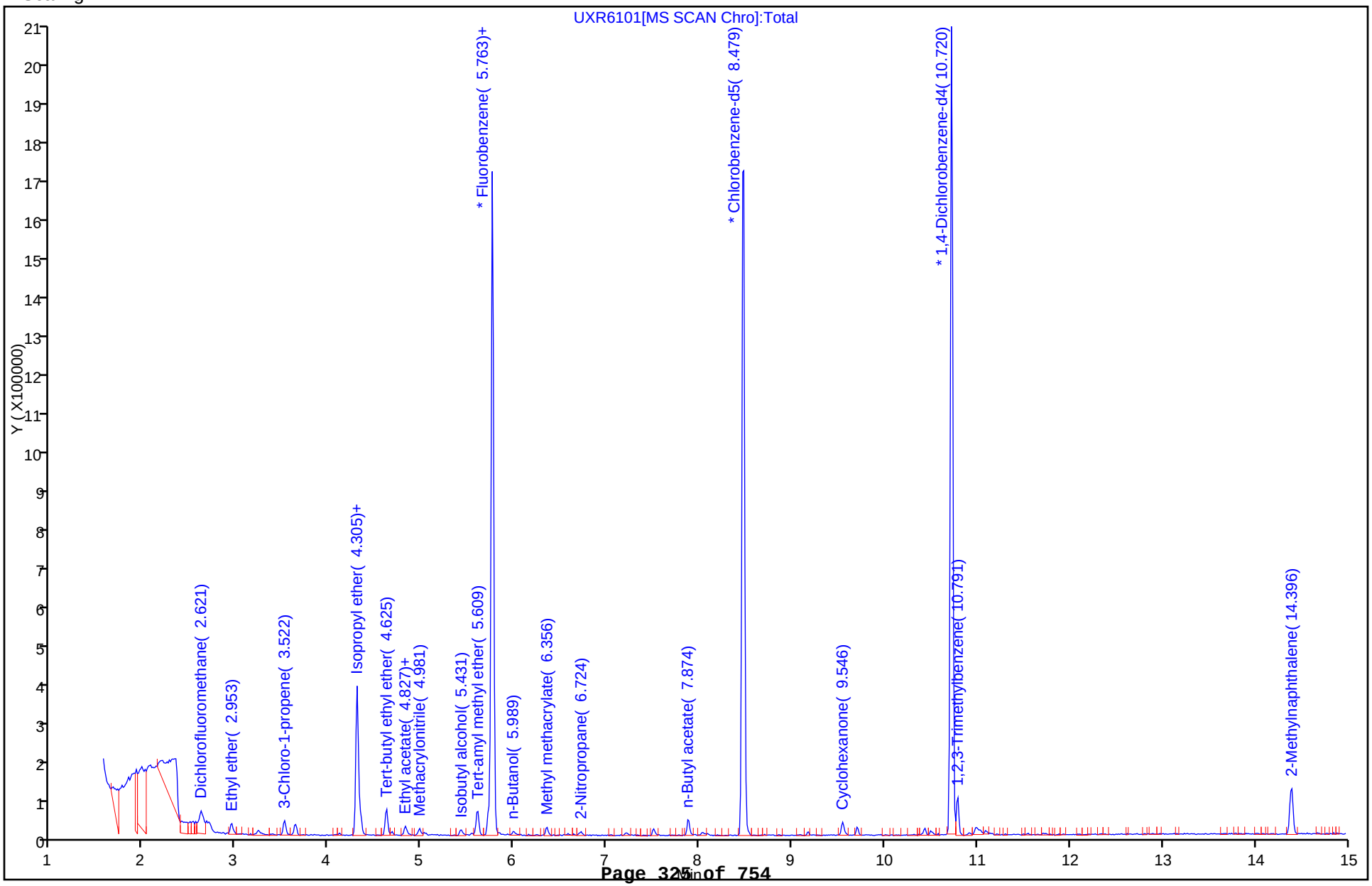
Report Date: 31-Jan-2013 11:13:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 20:24:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 13 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8260 240-74529/10 | UX83265.D |
| Level 2 | STD8260 240-74529/9 | UX83264.D |
| Level 3 | STD8260 240-74529/8 | UX83263.D |
| Level 4 | STD8260 240-74529/7 | UX83262.D |
| Level 5 | ICIS 240-74529/6 | UX83261.D |
| Level 6 | STD8260 240-74529/5 | UX83260.D |
| Level 7 | STD8260 240-74529/4 | UX83259.D |
| Level 8 | STD8260 240-74529/3 | UX83258.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorodifluoromethane | 0.1179 0.1417 | 0.1017 0.1466 | 0.1438 0.1332 | 0.1460 | 0.1461 | Ave | | 0.1346 | | | | 12.0 | | 15.0 | | | |
| Chloromethane | 0.2779 0.2745 | 0.2501 0.2788 | 0.2949 0.2456 | 0.2769 | 0.2777 | Ave | | 0.2721 | | | 0.1000 | 6.0 | | 15.0 | | | |
| Vinyl chloride | 0.1528 0.1758 | 0.1441 0.1826 | 0.1862 0.1622 | 0.1800 | 0.1725 | Ave | | 0.1695 | | | | 8.9 | | 15.0 | | | |
| Bromomethane | 0.0822 0.0962 | 0.0874 0.0670 | 0.0983 | 0.0991 | 0.0936 | Ave | | 0.0891 | | | | 13.0 | | 15.0 | | | |
| Chloroethane | 0.1172 0.1087 | 0.0904 0.1110 | 0.1142 | 0.1046 | 0.1086 | Ave | | 0.1078 | | | | 8.1 | | 15.0 | | | |
| Trichlorofluoromethane | 0.2359 0.2333 | 0.1779 0.2377 | 0.2467 0.2108 | 0.2431 | 0.2398 | Ave | | 0.2281 | | | | 10.0 | | 15.0 | | | |
| Acrolein | 0.0659 0.0616 | 0.0593 0.0538 | 0.0654 0.0569 | 0.0639 | 0.0554 | Ave | | 0.0603 | | | | 7.7 | | 15.0 | | | |
| 1,1-Dichloroethene | 0.1425 0.1817 | 0.1511 0.1845 | 0.1816 0.1739 | 0.1920 | 0.1901 | Ave | | 0.1747 | | | | 10.0 | | 15.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | +++++ 0.1429 | +++++ 0.1466 | 0.1372 0.1331 | 0.1495 | 0.1415 | Ave | | 0.1418 | | | | 4.2 | | 15.0 | | | |
| Acetone | +++++ 0.1442 | +++++ 0.1224 | 0.1824 0.1325 | 0.1667 | 0.1393 | Ave | | 0.1479 | | | | 15.0 | | 15.0 | | | |
| Iodomethane | 0.3380 0.3535 | 0.3354 0.3488 | 0.3343 0.3269 | 0.3895 | 0.3562 | Ave | | 0.3478 | | | | 5.7 | | 15.0 | | | |
| Carbon disulfide | 0.4066 0.5226 | 0.4335 0.5386 | 0.4574 0.5215 | 0.5271 | 0.5136 | Ave | | 0.4901 | | | | 10.0 | | 15.0 | | | |
| Acetonitrile | 0.0614 0.0535 | 0.0556 0.0471 | 0.0576 0.0479 | 0.0565 | 0.0501 | Ave | | 0.0537 | | | | 9.3 | | 15.0 | | | |
| Methyl acetate | 0.3525 0.3282 | 0.3239 0.2911 | 0.3336 0.3178 | 0.3554 | 0.3087 | Ave | | 0.3264 | | | | 6.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Methylene Chloride | +++++<br>0.2337 | 0.5207<br>0.2258 | 0.3170<br>0.2128 | 0.2895 | 0.2514 | Lin1 | 0.6205 | 0.2145 | | | | | | | 0.9990 | | 0.9900 |
| 2-Methyl-2-propanol | 0.0356<br>0.0282 | 0.0252<br>0.0246 | 0.0277<br>0.0259 | 0.0265 | 0.0247 | Ave | | 0.0273 | | | | 13.0 | | 15.0 | | | |
| Vinyl acetate | +++++<br>0.0527 | 0.0449<br>0.0523 | 0.0448<br>0.0542 | 0.0492 | 0.0480 | Ave | | 0.0494 | | | | 7.6 | | 15.0 | | | |
| Acrylonitrile | 0.1538<br>0.1476 | 0.1368<br>0.1292 | 0.1448<br>0.1373 | 0.1455 | 0.1376 | Ave | | 0.1416 | | | | 5.5 | | 15.0 | | | |
| trans-1,2-Dichloroethene | 0.2350<br>0.2149 | 0.1955<br>0.2118 | 0.2110<br>0.2015 | 0.2209 | 0.2173 | Ave | | 0.2135 | | | | 5.6 | | 15.0 | | | |
| Methyl tert-butyl ether | 0.6341<br>0.6671 | 0.5967<br>0.6341 | 0.6029<br>0.6143 | 0.6834 | 0.6334 | Ave | | 0.6333 | | | | 4.7 | | 15.0 | | | |
| Hexane | +++++<br>0.0567 | +++++<br>0.0588 | 0.0546<br>0.0572 | 0.0595 | 0.0580 | Ave | | 0.0575 | | | | 3.0 | | 15.0 | | | |
| 1,1-Dichloroethane | 0.4257<br>0.4133 | 0.4334<br>0.4099 | 0.4010<br>0.3978 | 0.4376 | 0.4198 | Ave | | 0.4173 | | | 0.1000 | 3.5 | | 15.0 | | | |
| 2-Butanone (MEK) | 0.2219<br>0.2111 | 0.2105<br>0.1838 | 0.2158<br>0.1977 | 0.2202 | 0.1932 | Ave | | 0.2068 | | | | 6.6 | | 15.0 | | | |
| cis-1,2-Dichloroethene | 0.2377<br>0.2432 | 0.2412<br>0.2407 | 0.2427<br>0.2275 | 0.2573 | 0.2511 | Ave | | 0.2427 | | | | 3.6 | | 15.0 | | | |
| 2,2-Dichloropropane | 0.1588<br>0.1827 | 0.1572<br>0.1743 | 0.1661<br>0.1447 | 0.1850 | 0.1789 | Ave | | 0.1685 | | | | 8.4 | | 15.0 | | | |
| Chlorobromomethane | 0.1391<br>0.1347 | 0.1272<br>0.1332 | 0.1282<br>0.1282 | 0.1389 | 0.1321 | Ave | | 0.1327 | | | | 3.5 | | 15.0 | | | |
| Tetrahydrofuran | 0.1749<br>0.1354 | 0.1503<br>0.1164 | 0.1420<br>0.1281 | 0.1448 | 0.1209 | Ave | | 0.1391 | | | | 13.0 | | 15.0 | | | |
| Chloroform | 0.3768<br>0.3797 | 0.3585<br>0.3743 | 0.3732<br>0.3605 | 0.3974 | 0.3811 | Ave | | 0.3752 | | | | 3.3 | | 15.0 | | | |
| 1,1,1-Trichloroethane | 0.2360<br>0.2976 | 0.2316<br>0.3058 | 0.2655<br>0.2822 | 0.3099 | 0.2990 | Ave | | 0.2785 | | | | 11.0 | | 15.0 | | | |
| Cyclohexane | +++++<br>0.4647 | +++++<br>0.4769 | 0.4392<br>0.4467 | 0.4860 | 0.4691 | Ave | | 0.4638 | | | | 3.8 | | 15.0 | | | |
| 1,1-Dichloropropene | 0.2680<br>0.2689 | 0.2418<br>0.2777 | 0.2682<br>0.2628 | 0.2911 | 0.2799 | Ave | | 0.2698 | | | | 5.3 | | 15.0 | | | |
| Carbon tetrachloride | 0.2196<br>0.2819 | 0.2092<br>0.2930 | 0.2482<br>0.2794 | 0.2820 | 0.2717 | Ave | | 0.2606 | | | | 12.0 | | 15.0 | | | |
| 1,2-Dichloroethane | 0.4112<br>0.3722 | 0.3847<br>0.3620 | 0.3748<br>0.3512 | 0.3923 | 0.3722 | Ave | | 0.3776 | | | | 4.9 | | 15.0 | | | |
| Benzene | 0.8923<br>0.8209 | 0.8144<br>0.8196 | 0.8128<br>0.7787 | 0.8922 | 0.8310 | Ave | | 0.8327 | | | | 4.8 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Trichloroethene | 0.2439 0.2462 | 0.2472 0.2508 | 0.2561 0.2379 | 0.2566 | 0.2502 | Ave | | 0.2486 | | | | 2.5 | | 15.0 | | | |
| Methylcyclohexane | +++++ 0.3650 | +++++ 0.3627 | 0.3470 0.3381 | 0.3708 | 0.3661 | Ave | | 0.3583 | | | | 3.6 | | 15.0 | | | |
| 1,2-Dichloropropane | 0.2501 0.2374 | 0.2247 0.2349 | 0.2304 0.2188 | 0.2494 | 0.2348 | Ave | | 0.2351 | | | | 4.6 | | 15.0 | | | |
| 1,4-Dioxane | 0.0028 0.0023 | 0.0023 0.0022 | 0.0026 0.0021 | 0.0025 | 0.0024 | Ave | | 0.0024 | | | | 9.4 | | 15.0 | | | |
| Dibromomethane | 0.1446 0.1341 | 0.1415 0.1319 | 0.1341 0.1294 | 0.1409 | 0.1350 | Ave | | 0.1365 | | | | 3.9 | | 15.0 | | | |
| Dichlorobromomethane | 0.2149 0.2741 | 0.2291 0.2850 | 0.2255 0.2749 | 0.2693 | 0.2619 | Ave | | 0.2543 | | | | 11.0 | | 15.0 | | | |
| 2-Chloroethyl vinyl ether | +++++ 0.0504 | +++++ 0.0541 | 0.0422 0.0593 | 0.0446 | 0.0441 | Ave | | 0.0491 | | | | 14.0 | | 15.0 | | | |
| cis-1,3-Dichloropropene | +++++ 0.3117 | 0.2179 0.3310 | 0.2463 0.3168 | 0.2858 | 0.2914 | Ave | | 0.2859 | | | | 14.0 | | 15.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | 0.3552 0.3986 | 0.3460 0.3518 | 0.3891 0.3613 | 0.3881 | 0.3627 | Ave | | 0.3691 | | | | 5.4 | | 15.0 | | | |
| Toluene | 1.2955 1.2567 | 1.2340 1.2850 | 1.2448 1.2400 | 1.3450 | 1.3215 | Ave | | 1.2778 | | | | 3.2 | | 15.0 | | | |
| trans-1,3-Dichloropropene | +++++ 0.3824 | +++++ 0.4068 | 0.2937 0.4088 | 0.3424 | 0.3470 | Ave | | 0.3635 | | | | 12.0 | | 15.0 | | | |
| Ethyl methacrylate | 0.2656 0.4106 | 0.3042 0.4029 | 0.3518 0.4048 | 0.3832 | 0.3803 | Ave | | 0.3629 | | | | 15.0 | | 15.0 | | | |
| 1,1,2-Trichloroethane | 0.2596 0.2650 | 0.2583 0.2615 | 0.2596 0.2576 | 0.2729 | 0.2687 | Ave | | 0.2629 | | | | 2.1 | | 15.0 | | | |
| 1,3-Dichloropropane | 0.4461 0.4504 | 0.4151 0.4371 | 0.4590 0.4267 | 0.4677 | 0.4494 | Ave | | 0.4439 | | | | 3.9 | | 15.0 | | | |
| Tetrachloroethene | 0.2478 0.2591 | 0.2194 0.2713 | 0.2528 0.2559 | 0.2855 | 0.2732 | Ave | | 0.2581 | | | | 7.7 | | 15.0 | | | |
| 2-Hexanone | 0.3372 0.3779 | 0.3140 0.3382 | 0.3740 0.3573 | 0.3757 | 0.3520 | Ave | | 0.3533 | | | | 6.4 | | 15.0 | | | |
| Chlorodibromomethane | +++++ 0.3161 | 0.2104 0.3270 | 0.2552 0.3280 | 0.2831 | 0.2865 | Ave | | 0.2866 | | | | 15.0 | | 15.0 | | | |
| Ethylene Dibromide | 0.2662 0.2841 | 0.2420 0.2774 | 0.2772 0.2770 | 0.2892 | 0.2698 | Ave | | 0.2729 | | | | 5.3 | | 15.0 | | | |
| Chlorobenzene | 0.9382 0.8519 | 0.8636 0.8779 | 0.8940 0.8190 | 0.9063 | 0.8850 | Ave | | 0.8795 | | | 0.3000 | 4.1 | | 15.0 | | | |
| 1,1,1,2-Tetrachloroethane | 0.2471 0.3079 | 0.2463 0.3189 | 0.2743 0.3024 | 0.3091 | 0.2919 | Ave | | 0.2873 | | | | 9.9 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Ethylbenzene | 0.4741<br>0.4439 | 0.4584<br>0.4575 | 0.4204<br>0.4241 | 0.4650 | 0.4590 | Ave | | 0.4503 | | | | 4.3 | | 15.0 | | | |
| m-Xylene & p-Xylene | 0.4973<br>0.5412 | 0.4954<br>0.5551 | 0.5348<br>0.5063 | 0.5764 | 0.5601 | Ave | | 0.5333 | | | | 5.8 | | 15.0 | | | |
| o-Xylene | 0.4616<br>0.5139 | 0.4243<br>0.5268 | 0.5060<br>0.4772 | 0.5423 | 0.5414 | Ave | | 0.4992 | | | | 8.4 | | 15.0 | | | |
| Styrene | 0.6848<br>0.8778 | 0.7144<br>0.9157 | 0.7845<br>0.8374 | 0.8750 | 0.8801 | Ave | | 0.8212 | | | | 10.0 | | 15.0 | | | |
| Bromoform | +++++<br>0.1856 | +++++<br>0.1931 | 0.1294<br>0.1974 | 0.1565 | 0.1600 | Ave | | 0.1703 | | | 0.1000 | 15.0 | | 15.0 | | | |
| Isopropylbenzene | 1.1466<br>1.3193 | 1.1088<br>1.3770 | 1.2708<br>1.2917 | 1.3857 | 1.3419 | Ave | | 1.2802 | | | | 8.0 | | 15.0 | | | |
| 1,1,2,2-Tetrachloroethane | 0.6274<br>0.6328 | 0.5852<br>0.6027 | 0.6516<br>0.6321 | 0.6868 | 0.5943 | Ave | | 0.6266 | | | 0.3000 | 5.3 | | 15.0 | | | |
| Bromobenzene | 0.8150<br>0.7483 | 0.7705<br>0.7830 | 0.7675<br>0.7311 | 0.8118 | 0.7881 | Ave | | 0.7769 | | | | 3.7 | | 15.0 | | | |
| 1,2,3-Trichloropropane | 0.3038<br>0.2425 | 0.2606<br>0.2295 | 0.2715<br>0.2293 | 0.2633 | 0.2481 | Ave | | 0.2561 | | | | 9.6 | | 15.0 | | | |
| trans-1,4-Dichloro-2-butene | 0.2046<br>0.2899 | 0.2149<br>0.2848 | 0.2388<br>0.3071 | 0.2839 | 0.2565 | Ave | | 0.2601 | | | | 14.0 | | 15.0 | | | |
| N-Propylbenzene | 0.6574<br>0.7437 | 0.6706<br>0.7963 | 0.7377<br>0.7445 | 0.8015 | 0.7860 | Ave | | 0.7422 | | | | 7.3 | | 15.0 | | | |
| 2-Chlorotoluene | 0.6625<br>0.6771 | 0.6628<br>0.6994 | 0.7087<br>0.6582 | 0.7482 | 0.6932 | Ave | | 0.6888 | | | | 4.4 | | 15.0 | | | |
| 1,3,5-Trimethylbenzene | 1.8446<br>2.1820 | 1.8263<br>2.3148 | 2.0811<br>2.2171 | 2.3142 | 2.2730 | Ave | | 2.1316 | | | | 9.3 | | 15.0 | | | |
| 4-Chlorotoluene | 0.6845<br>0.7055 | 0.6220<br>0.7368 | 0.7138<br>0.6862 | 0.7564 | 0.7417 | Ave | | 0.7058 | | | | 6.0 | | 15.0 | | | |
| tert-Butylbenzene | 1.7695<br>2.1402 | 1.7628<br>2.2783 | 2.2233<br>1.9889 | 2.1320 | 2.0458 | Ave | | 2.0426 | | | | 9.5 | | 15.0 | | | |
| 1,2,4-Trimethylbenzene | 1.9958<br>2.1815 | 1.8623<br>2.2862 | 2.0869<br>2.2081 | 2.3359 | 2.2814 | Ave | | 2.1548 | | | | 7.5 | | 15.0 | | | |
| sec-Butylbenzene | 2.1015<br>2.6282 | 2.2604<br>2.7961 | 2.6410<br>2.7179 | 2.9311 | 2.7737 | Ave | | 2.6062 | | | | 11.0 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.4327<br>1.3486 | 1.2965<br>1.3705 | 1.4115<br>1.3345 | 1.4925 | 1.4246 | Ave | | 1.3889 | | | | 4.5 | | 15.0 | | | |
| 4-Isopropyltoluene | 1.8740<br>2.1911 | 1.7908<br>2.3504 | 2.2000<br>2.3303 | 2.3616 | 2.3743 | Ave | | 2.1840 | | | | 10.0 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.6699<br>1.3652 | 1.4130<br>1.4101 | 1.4890<br>1.3704 | 1.5564 | 1.4422 | Ave | | 1.4645 | | | | 7.1 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| n-Butylbenzene | 1.4794<br>1.8078 | 1.4970<br>1.9172 | 1.7537<br>1.9425 | 1.8913 | 1.8691 | Ave | | 1.7697 | | | | 10.0 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.4065<br>1.2408 | 1.3298<br>1.2498 | 1.3769<br>1.2705 | 1.3963 | 1.2847 | Ave | | 1.3194 | | | | 5.1 | | 15.0 | | | |
| 1,2-Dibromo-3-Chloropropane | +++++<br>0.1008 | +++++<br>0.0995 | 0.1001<br>0.1360 | 0.1033 | 0.0895 | Ave | | 0.1049 | | | | 15.0 | | 15.0 | | | |
| 1,3,5-Trichlorobenzene | 0.9008<br>0.6709 | 0.8114<br>0.7180 | 0.8392<br>0.8318 | 0.8799 | 0.7159 | Ave | | 0.7960 | | | | 11.0 | | 15.0 | | | |
| 1,2,4-Trichlorobenzene | 0.8134<br>0.5603 | 0.7212<br>0.5746 | 0.7004<br>0.6863 | 0.7005 | 0.5830 | Ave | | 0.6675 | | | | 13.0 | | 15.0 | | | |
| Hexachlorobutadiene | 0.3092<br>0.2003 | 0.3220<br>0.2092 | 0.3530<br>0.2766 | 0.3206 | 0.2526 | Qua | 1.0090 | 0.1412 | 0.0006 | | | | | | 0.9990 | | 0.9900 |
| Naphthalene | 1.8681<br>1.4785 | 1.6814<br>1.4390 | 1.6660<br>1.7815 | 1.6189 | 1.3063 | Ave | | 1.6050 | | | | 12.0 | | 15.0 | | | |
| 1,2,3-Trichlorobenzene | 0.7636<br>0.4302 | 0.6759<br>0.4383 | 0.6921<br>0.5390 | 0.5929 | 0.4658 | Qua | 1.5035 | 0.3359 | 0.0010 | | | | | | 0.9990 | | 0.9900 |
| Dibromofluoromethane (Surr) | 0.4745<br>0.2057 | 0.4456<br>0.2114 | 0.2987<br>0.2122 | 0.2550 | 0.2399 | Lin1 | 0.3544 | 0.2094 | | | | | | | 0.9980 | | 0.9900 |
| 1,2-Dichloroethane-d4 (Surr) | 0.6551<br>0.2553 | 0.5703<br>0.2687 | 0.4301<br>0.2773 | 0.3417 | 0.3131 | Lin1 | 0.5058 | 0.2698 | | | | | | | 0.9970 | | 0.9900 |
| Toluene-d8 (Surr) | 2.4476<br>1.0286 | 2.0219<br>1.0550 | 1.5057<br>1.0378 | 1.2636 | 1.2024 | Lin1 | 1.7452 | 1.0341 | | | | | | | 0.9990 | | 0.9900 |
| 4-Bromofluorobenzene (Surr) | 0.8803<br>0.3588 | 0.7365<br>0.3753 | 0.5287<br>0.3628 | 0.4663 | 0.4263 | Lin1 | 0.6513 | 0.3634 | | | | | | | 0.9980 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8260 240-74529/10 | UX83265.D |
| Level 2 | STD8260 240-74529/9 | UX83264.D |
| Level 3 | STD8260 240-74529/8 | UX83263.D |
| Level 4 | STD8260 240-74529/7 | UX83262.D |
| Level 5 | ICIS 240-74529/6 | UX83261.D |
| Level 6 | STD8260 240-74529/5 | UX83260.D |
| Level 7 | STD8260 240-74529/4 | UX83259.D |
| Level 8 | STD8260 240-74529/3 | UX83258.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Dichlorodifluoromethane | FB | Ave | 3840<br>232698 | 6564<br>477985 | 23009<br>933841 | 47526 | 98456 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Chloromethane | FB | Ave | 9049<br>450775 | 16143<br>909111 | 47178<br>1722005 | 90161 | 187122 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Vinyl chloride | FB | Ave | 4976<br>288687 | 9305<br>595279 | 29780<br>1137206 | 58599 | 116193 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Bromomethane | FB | Ave | 2677<br>157995 | 5643<br>218303 | 15731 | 32250 | 63093 | 1.00<br>50.0 | 2.00<br>100 | 5.00 | 10.0 | 20.0 |
| Chloroethane | FB | Ave | 3818<br>178446 | 5838<br>361935 | 18267 | 34067 | 73196 | 1.00<br>50.0 | 2.00<br>100 | 5.00 | 10.0 | 20.0 |
| Trichlorofluoromethane | FB | Ave | 7683<br>383007 | 11487<br>774997 | 39462<br>1478331 | 79141 | 161545 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Acrolein | FB | Ave | 21459<br>1012240 | 38313<br>1755621 | 104674<br>3990275 | 207907 | 373265 | 10.0<br>500 | 20.0<br>1000 | 50.0<br>2000 | 100 | 200 |
| 1,1-Dichloroethene | FB | Ave | 4642<br>298374 | 9757<br>601570 | 29044<br>1219371 | 62499 | 128104 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | FB | Ave | +++++<br>234654 | +++++<br>477991 | 21943<br>933494 | 48668 | 95354 | +++++<br>50.0 | +++++<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Acetone | FB | Ave | +++++<br>473566 | +++++<br>798413 | 58354<br>1858723 | 108511 | 187665 | +++++<br>100 | +++++<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| Iodomethane | FB | Ave | 11008<br>580460 | 21653<br>1137398 | 53473<br>2292463 | 126793 | 239955 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Carbon disulfide | FB | Ave | 13241<br>858196 | 27985<br>1756288 | 73174<br>3657175 | 171592 | 346049 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Acetonitrile | FB | Ave | 19998<br>877710 | 35882<br>1535336 | 92076<br>3361982 | 184005 | 337804 | 10.0<br>500 | 20.0<br>1000 | 50.0<br>2000 | 100 | 200 |
| Methyl acetate | FB | Ave | 22957<br>1077768 | 41827<br>1898511 | 106720<br>4456664 | 231405 | 415949 | 2.00<br>100 | 4.00<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| Methylene Chloride | FB | Lin1 | +++++<br>383681 | 33614<br>736100 | 50709<br>1492043 | 94256 | 169352 | +++++<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 2-Methyl-2-propanol | FB | Ave | 23206<br>925144 | 32491<br>1601249 | 88566<br>3627114 | 172805 | 333028 | 20.0<br>1000 | 40.0<br>2000 | 100<br>4000 | 200 | 400 |
| Vinyl acetate | FB | Ave | +++++<br>86488 | 2899<br>170388 | 7159<br>379768 | 16031 | 32330 | +++++<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Acrylonitrile | FB | Ave | 10018<br>484805 | 17669<br>842705 | 46317<br>1925509 | 94733 | 185405 | 2.00<br>100 | 4.00<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| trans-1,2-Dichloroethene | FB | Ave | 7653<br>352874 | 12622<br>690464 | 33750<br>1413070 | 71916 | 146413 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Methyl tert-butyl ether | FB | Ave | 20650<br>1095393 | 38525<br>2067560 | 96440<br>4308135 | 222492 | 426732 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Hexane | FB | Ave | +++++<br>93096 | +++++<br>191861 | 8741<br>400858 | 19369 | 39056 | +++++<br>50.0 | +++++<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,1-Dichloroethane | FB | Ave | 13865<br>678592 | 27982<br>1336523 | 64150<br>2789374 | 142454 | 282855 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 2-Butanone (MEK) | FB | Ave | 14452<br>693210 | 27174<br>1198323 | 69033<br>2773175 | 143364 | 260309 | 2.00<br>100 | 4.00<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| cis-1,2-Dichloroethene | FB | Ave | 7740<br>399300 | 15574<br>784747 | 38819<br>1595111 | 83778 | 169164 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 2,2-Dichloropropane | FB | Ave | 5172<br>299946 | 10147<br>568383 | 26572<br>1014775 | 60244 | 120520 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Chlorobromomethane | FB | Ave | 4531<br>221248 | 8215<br>434160 | 20516<br>898875 | 45232 | 88968 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Tetrahydrofuran | FB | Ave | 5696<br>222412 | 9700<br>379646 | 22710<br>898212 | 47152 | 81436 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Chloroform | FB | Ave | 12271<br>623455 | 23144<br>1220612 | 59706<br>2528193 | 129378 | 256741 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,1,1-Trichloroethane | FB | Ave | 7685<br>488736 | 14951<br>997199 | 42474<br>1978908 | 100882 | 201467 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Cyclohexane | FB | Ave | +++++<br>763013 | +++++<br>1554830 | 70257<br>3132859 | 158208 | 316034 | +++++<br>50.0 | +++++<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,1-Dichloropropene | FB | Ave | 8727<br>441469 | 15612<br>905539 | 42907<br>1842649 | 94758 | 188604 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Carbon tetrachloride | FB | Ave | 7153<br>462854 | 13506<br>955459 | 39697<br>1959564 | 91793 | 183081 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,2-Dichloroethane | FB | Ave | 13390<br>611172 | 24836<br>1180501 | 59952<br>2462747 | 127704 | 250756 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Benzene | FB | Ave | 29058<br>1347938 | 52576<br>2672433 | 130028<br>5461000 | 290460 | 559898 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Trichloroethene | FB | Ave | 7943<br>404217 | 15958<br>817805 | 40976<br>1668368 | 83548 | 168559 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Methylcyclohexane | FB | Ave | +++++<br>599308 | +++++<br>1182513 | 55509<br>2371161 | 120723 | 246658 | +++++<br>50.0 | +++++<br>100 | 5.00<br>200 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,2-Dichloropropane | FB | Ave | 8146<br>389787 | 14506<br>765798 | 36849<br>1534286 | 81203 | 158194 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,4-Dioxane | FB | Ave | 4631<br>192853 | 7344<br>364265 | 20703<br>749783 | 41224 | 81341 | 50.0<br>2500 | 100<br>5000 | 250<br>10000 | 500 | 1000 |
| Dibromomethane | FB | Ave | 4709<br>220236 | 9138<br>430170 | 21449<br>907180 | 45887 | 90967 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Dichlorobromomethane | FB | Ave | 6999<br>450014 | 14791<br>929223 | 36067<br>1928027 | 87671 | 176423 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 2-Chloroethyl vinyl ether | FB | Ave | +++++<br>165373 | +++++<br>352481 | 13512<br>831689 | 29025 | 59450 | +++++<br>100 | +++++<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| cis-1,3-Dichloropropene | FB | Ave | +++++<br>511873 | 14068<br>1079403 | 39400<br>2221740 | 93046 | 196333 | +++++<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 4-Methyl-2-pentanone (MIBK) | FB | Ave | 23135<br>1308938 | 44672<br>2294466 | 124482<br>5067462 | 252697 | 488781 | 2.00<br>100 | 4.00<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| Toluene | CBZ | Ave | 30301<br>1492142 | 57875<br>3033334 | 146211<br>6027027 | 314854 | 631124 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| trans-1,3-Dichloropropene | CBZ | Ave | +++++<br>453988 | +++++<br>960320 | 34501<br>1986871 | 80150 | 165716 | +++++<br>50.0 | +++++<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Ethyl methacrylate | CBZ | Ave | 6212<br>487570 | 14265<br>951166 | 41328<br>1967628 | 89700 | 181609 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,1,2-Trichloroethane | CBZ | Ave | 6072<br>314652 | 12114<br>617194 | 30494<br>1251891 | 63877 | 128315 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,3-Dichloropropane | CBZ | Ave | 10433<br>534810 | 19466<br>1031767 | 53912<br>2073759 | 109475 | 214614 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Tetrachloroethene | CBZ | Ave | 5795<br>307626 | 10292<br>640404 | 29695<br>1243679 | 66823 | 130483 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 2-Hexanone | CBZ | Ave | 15772<br>897505 | 29450<br>1596962 | 87850<br>3472793 | 175907 | 336264 | 2.00<br>100 | 4.00<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| Chlorodibromomethane | CBZ | Ave | +++++<br>375295 | 9867<br>771877 | 29975<br>1594208 | 66276 | 136821 | +++++<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Ethylene Dibromide | CBZ | Ave | 6227<br>337368 | 11350<br>654782 | 32557<br>1346560 | 67692 | 128856 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Chlorobenzene | CBZ | Ave | 21943<br>1011545 | 40505<br>2072335 | 105004<br>3980614 | 212144 | 422654 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,1,1,2-Tetrachloroethane | CBZ | Ave | 5780<br>365621 | 11551<br>752711 | 32220<br>1469922 | 72365 | 139417 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Ethylbenzene | CBZ | Ave | 11089<br>527048 | 21500<br>1080057 | 49379<br>2061272 | 108846 | 219206 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| m-Xylene & p-Xylene | CBZ | Ave | 23261<br>1285288 | 46464<br>2620841 | 125639<br>4921708 | 269863 | 534941 | 2.00<br>100 | 4.00<br>200 | 10.0<br>400 | 20.0 | 40.0 |
| o-Xylene | CBZ | Ave | 10796<br>610176 | 19898<br>1243692 | 59430<br>2319403 | 126940 | 258552 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Styrene | CBZ | Ave | 16016<br>1042279 | 33505<br>2161608 | 92148<br>4070345 | 204823 | 420325 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Bromoform | CBZ | Ave | +++++<br>220343 | +++++<br>455847 | 15202<br>959391 | 36644 | 76392 | +++++<br>50.0 | +++++<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Isopropylbenzene | CBZ | Ave | 26817<br>1566496 | 52004<br>3250560 | 149273<br>6278434 | 324380 | 640892 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,1,2,2-Tetrachloroethane | DCB | Ave | 6649<br>364420 | 12560<br>676381 | 36429<br>1449440 | 77402 | 133455 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Bromobenzene | DCB | Ave | 8637<br>430929 | 16539<br>878819 | 42911<br>1676409 | 91484 | 176985 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,2,3-Trichloropropane | DCB | Ave | 3219<br>139616 | 5594<br>257520 | 15178<br>525786 | 29678 | 55728 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| trans-1,4-Dichloro-2-butene | DCB | Ave | 2168<br>166930 | 4612<br>319687 | 13350<br>704165 | 31991 | 57602 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| N-Propylbenzene | DCB | Ave | 6967<br>428239 | 14393<br>893669 | 41244<br>1707308 | 90327 | 176515 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 2-Chlorotoluene | DCB | Ave | 7021<br>389933 | 14227<br>784973 | 39622<br>1509450 | 84321 | 155679 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,3,5-Trimethylbenzene | DCB | Ave | 19548<br>1256494 | 39199<br>2597962 | 116352<br>5084083 | 260803 | 510466 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 4-Chlorotoluene | DCB | Ave | 7254<br>406231 | 13351<br>826925 | 39905<br>1573454 | 85239 | 166568 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| tert-Butylbenzene | DCB | Ave | 18752<br>1232406 | 37837<br>2557062 | 124301<br>4560889 | 240265 | 459443 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,2,4-Trimethylbenzene | DCB | Ave | 21150<br>1256229 | 39973<br>2565849 | 116673<br>5063440 | 263247 | 512335 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| sec-Butylbenzene | DCB | Ave | 22270<br>1513431 | 48518<br>3138190 | 147652<br>6232615 | 330325 | 622891 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 15183<br>776560 | 27828<br>1538196 | 78913<br>3060301 | 168198 | 319921 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 4-Isopropyltoluene | DCB | Ave | 19859<br>1261712 | 38437<br>2637922 | 122999<br>5343591 | 266143 | 533207 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 17696<br>786166 | 30329<br>1582649 | 83248<br>3142526 | 175400 | 323871 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| n-Butylbenzene | DCB | Ave | 15677<br>1041031 | 32131<br>2151768 | 98045<br>4454340 | 213144 | 419748 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 14905<br>714535 | 28542<br>1402722 | 76982<br>2913461 | 157356 | 288506 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | DCB | Ave | +++++<br>58050 | +++++<br>111654 | 5597<br>311934 | 11638 | 20097 | +++++<br>50.0 | +++++<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,3,5-Trichlorobenzene | DCB | Ave | 9546<br>386349 | 17415<br>805856 | 46919<br>1907412 | 99165 | 160784 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 74529

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 02/06/2013 19:45 Calibration End Date: 02/06/2013 22:14 Calibration ID: 13616

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,2,4-Trichlorobenzene | DCB | Ave | 8620<br>322655 | 15479<br>644894 | 39157<br>1573896 | 78946 | 130921 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Hexachlorobutadiene | DCB | Qua | 3277<br>115318 | 6912<br>234834 | 19735<br>634198 | 36132 | 56728 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Naphthalene | DCB | Ave | 19797<br>851402 | 36090<br>1615024 | 93143<br>4085181 | 182438 | 293368 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,2,3-Trichlorobenzene | DCB | Qua | 8092<br>247748 | 14507<br>491930 | 38694<br>1236038 | 66817 | 104599 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Dibromofluoromethane (Surr) | FB | Lin1 | 15453<br>337749 | 28768<br>689148 | 47784<br>1488005 | 83012 | 161623 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Lin1 | 21336<br>419208 | 36819<br>876247 | 68799<br>1944509 | 111243 | 210970 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| Toluene-d8 (Surr) | CBZ | Lin1 | 57245<br>1221288 | 94828<br>2490549 | 176854<br>5044204 | 295794 | 574261 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |
| 4-Bromofluorobenzene (Surr) | CBZ | Lin1 | 20590<br>426015 | 34543<br>886004 | 62099<br>1763486 | 109161 | 203575 | 1.00<br>50.0 | 2.00<br>100 | 5.00<br>200 | 10.0 | 20.0 |

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83258.D
Lims ID: STD8260 L8 Client ID:
Inject. Date: 06-Feb-2013 19:45:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: 240-0017176-003
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 74529 Lims Sample ID: 3
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:21 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: latat Date: 06-Feb-2013 23:07:47

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.155 | 0.001 | 100 | 1753146 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.686 | 0.001 | 88 | 1215109 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.875 | 0.0 | 91 | 573285 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.624 | 4.623 | 0.001 | 58 | 1488005 | 201.0 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.884 | 4.895 | -0.011 | 97 | 1944509 | 203.7 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.421 | 0.0 | 91 | 5044204 | 199.0 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.763 | 8.763 | 0.0 | 93 | 1763486 | 197.9 | |
| 12 Dichlorodifluoromethane | 85 | 1.572 | 1.571 | 0.001 | 98 | 933841 | 197.8 | |
| 13 Chloromethane | 50 | 1.749 | 1.749 | 0.0 | 100 | 1722005 | 180.5 | |
| 14 Vinyl chloride | 62 | 1.867 | 1.867 | 0.0 | 99 | 1137206 | 191.3 | |
| 15 Bromomethane | 94 | 2.163 | 2.186 | -0.023 | 92 | 285876 | 91.5 | |
| 16 Chloroethane | 64 | 2.246 | 2.281 | -0.035 | 93 | 447328 | 118.3 | |
| 18 Trichlorofluoromethane | 101 | 2.483 | 2.506 | -0.023 | 98 | 1478331 | 184.8 | |
| 20 Acrolein | 56 | 2.837 | 2.837 | 0.0 | 95 | 3990275 | 1887.6 | |
| 21 1,1-Dichloroethene | 96 | 2.920 | 2.931 | -0.011 | 95 | 1219371 | 199.1 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.944 | 2.943 | 0.001 | 90 | 933494 | 187.8 | |
| 22 Acetone | 43 | 2.968 | 2.955 | 0.013 | 96 | 1858723 | 358.4 | |
| 24 Iodomethane | 142 | 3.050 | 3.050 | 0.0 | 98 | 2292463 | 188.0 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.109 | 0.0 | 99 | 3657175 | 212.8 | |
| 27 Acetonitrile | 41 | 3.180 | 3.168 | 0.012 | 100 | 3361982 | 1785.2 | |
| 28 Methyl acetate | 43 | 3.216 | 3.215 | 0.001 | 98 | 4456664 | 389.4 | |
| 30 Methylene Chloride | 84 | 3.299 | 3.298 | 0.001 | 92 | 1492043 | 195.5 | |
| 31 2-Methyl-2-propanol | 59 | 3.393 | 3.381 | 0.012 | 93 | 3627114 | 3790.7 | |
| 32 Acrylonitrile | 53 | 3.476 | 3.476 | 0.0 | 97 | 1925509 | 387.9 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.523 | 0.0 | 90 | 4308135 | 194.0 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.512 | 3.523 | -0.011 | 90 | 1413070 | 188.8 | |
| 35 Hexane | 86 | 3.725 | 3.736 | -0.011 | 96 | 400858 | 198.9 | |
| 36 1,1-Dichloroethane | 63 | 3.831 | 3.842 | -0.011 | 97 | 2789374 | 190.6 | |
| 37 Vinyl acetate | 86 | 3.855 | 3.866 | -0.011 | 96 | 379768 | 219.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.268 | 0.001 | 96 | 2773175 | 382.5 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.269 | 4.268 | 0.001 | 85 | 1595111 | 187.5 | |
| 43 2,2-Dichloropropane | 77 | 4.280 | 4.280 | 0.0 | 69 | 1014775 | 171.8 | |
| 47 Chlorobromomethane | 128 | 4.458 | 4.457 | 0.001 | 92 | 898875 | 193.2 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.493 | 0.0 | 92 | 898212 | 184.2 | |
| 49 Chloroform | 83 | 4.505 | 4.505 | 0.0 | 98 | 2528193 | 192.2 | |
| 50 1,1,1-Trichloroethane | 97 | 4.671 | 4.670 | 0.001 | 93 | 1978908 | 202.7 | |
| 51 Cyclohexane | 56 | 4.718 | 4.718 | 0.0 | 96 | 3132859 | 192.7 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.788 | 0.001 | 82 | 1842649 | 194.8 | |
| 53 Carbon tetrachloride | 117 | 4.801 | 4.800 | 0.001 | 87 | 1959564 | 214.4 | |
| 55 Benzene | 78 | 4.943 | 4.954 | -0.011 | 93 | 5461000 | 187.0 | |
| 56 1,2-Dichloroethane | 62 | 4.943 | 4.954 | -0.011 | 62 | 2462747 | 186.0 | |
| 60 Trichloroethene | 130 | 5.440 | 5.439 | 0.001 | 93 | 1668368 | 191.4 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.616 | 0.001 | 89 | 1534286 | 186.2 | |
| 63 Methylcyclohexane | 83 | 5.605 | 5.616 | -0.011 | 92 | 2371161 | 188.7 | |
| 65 Dibromomethane | 93 | 5.712 | 5.711 | 0.001 | 88 | 907180 | 189.6 | |
| 66 1,4-Dioxane | 88 | 5.712 | 5.711 | 0.001 | 79 | 749783 | 8828.9 | |
| 67 Dichlorobromomethane | 83 | 5.818 | 5.829 | -0.011 | 97 | 1928027 | 216.2 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.043 | 6.054 | -0.011 | 86 | 831689 | 483.0 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.185 | 6.184 | 0.001 | 81 | 2221740 | 221.7 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.303 | 0.0 | 98 | 5067462 | 391.6 | |
| 72 Toluene | 91 | 6.481 | 6.480 | 0.001 | 94 | 6027027 | 194.1 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.646 | 0.0 | 92 | 1986871 | 224.9 | |
| 74 Ethyl methacrylate | 69 | 6.705 | 6.705 | 0.0 | 89 | 1967628 | 223.1 | |
| 75 1,1,2-Trichloroethane | 97 | 6.800 | 6.811 | -0.011 | 95 | 1251891 | 196.0 | |
| 76 1,3-Dichloropropane | 76 | 6.954 | 6.953 | 0.001 | 90 | 2073759 | 192.2 | |
| 77 Tetrachloroethene | 164 | 6.966 | 6.965 | 0.001 | 97 | 1243679 | 198.3 | |
| 78 2-Hexanone | 43 | 7.001 | 7.000 | 0.001 | 97 | 3472793 | 404.5 | |
| 79 Chlorodibromomethane | 129 | 7.155 | 7.154 | 0.001 | 91 | 1594208 | 228.9 | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.272 | 0.001 | 98 | 1346560 | 203.1 | |
| 82 Chlorobenzene | 112 | 7.711 | 7.710 | 0.001 | 93 | 3980614 | 186.2 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.770 | 7.769 | 0.001 | 89 | 1469922 | 210.6 | |
| 84 Ethylbenzene | 106 | 7.805 | 7.805 | 0.0 | 98 | 2061272 | 188.4 | |
| 10 m-Xylene & p-Xylene | 106 | 7.900 | 7.899 | 0.001 | 99 | 4921708 | 379.7 | |
| 86 Styrene | 104 | 8.279 | 8.278 | 0.001 | 87 | 4070345 | 204.0 | |
| 85 o-Xylene | 106 | 8.279 | 8.278 | 0.001 | 86 | 2319403 | 191.2 | |
| 87 Bromoform | 173 | 8.456 | 8.455 | 0.001 | 97 | 959391 | 231.8 | |
| 88 Isopropylbenzene | 105 | 8.610 | 8.609 | 0.001 | 96 | 6278434 | 201.8 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.870 | 8.869 | 0.001 | 89 | 1449440 | 201.7 | |
| 91 Bromobenzene | 156 | 8.917 | 8.917 | 0.0 | 84 | 1676409 | 188.2 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.928 | 0.001 | 85 | 525786 | 179.1 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.928 | 0.001 | 79 | 704165 | 236.2 | |
| 94 N-Propylbenzene | 120 | 9.000 | 8.999 | 0.001 | 98 | 1707308 | 200.6 | |
| 95 2-Chlorotoluene | 126 | 9.095 | 9.094 | 0.001 | 97 | 1509450 | 191.1 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.166 | 9.165 | 0.001 | 93 | 5084083 | 208.0 | |
| 104 4-Chlorotoluene | 126 | 9.201 | 9.201 | 0.0 | 98 | 1573454 | 194.4 | |
| 97 tert-Butylbenzene | 119 | 9.485 | 9.484 | 0.001 | 92 | 4560889 | 194.7 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.532 | 0.0 | 73 | 5063440 | 204.9 | |
| 99 sec-Butylbenzene | 105 | 9.698 | 9.697 | 0.001 | 94 | 6232615 | 208.6 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.816 | 0.0 | 97 | 3060301 | 192.2 | |
| 101 4-Isopropyltoluene | 119 | 9.840 | 9.839 | 0.001 | 89 | 5343591 | 213.4 | |
| 102 1,4-Dichlorobenzene | 146 | 9.899 | 9.898 | 0.001 | 94 | 3142526 | 187.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 105 n-Butylbenzene | 91 | 10.242 | 10.241 | 0.001 | 97 | 4454340 | 219.5 | |
| 106 1,2-Dichlorobenzene | 146 | 10.266 | 10.265 | 0.001 | 98 | 2913461 | 192.6 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.023 | 11.022 | 0.001 | 82 | 311934 | 259.4 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.247 | 11.247 | 0.0 | 98 | 1907412 | 209.0 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.863 | 11.862 | 0.001 | 95 | 1573896 | 205.7 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.028 | 0.0 | 96 | 634198 | 200.3 | |
| 111 Naphthalene | 128 | 12.099 | 12.110 | -0.011 | 97 | 4085181 | 222.0 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.359 | 0.0 | 95 | 1236038 | 200.3 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 869.0 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 376.3 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 446.6 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 570.9 | |

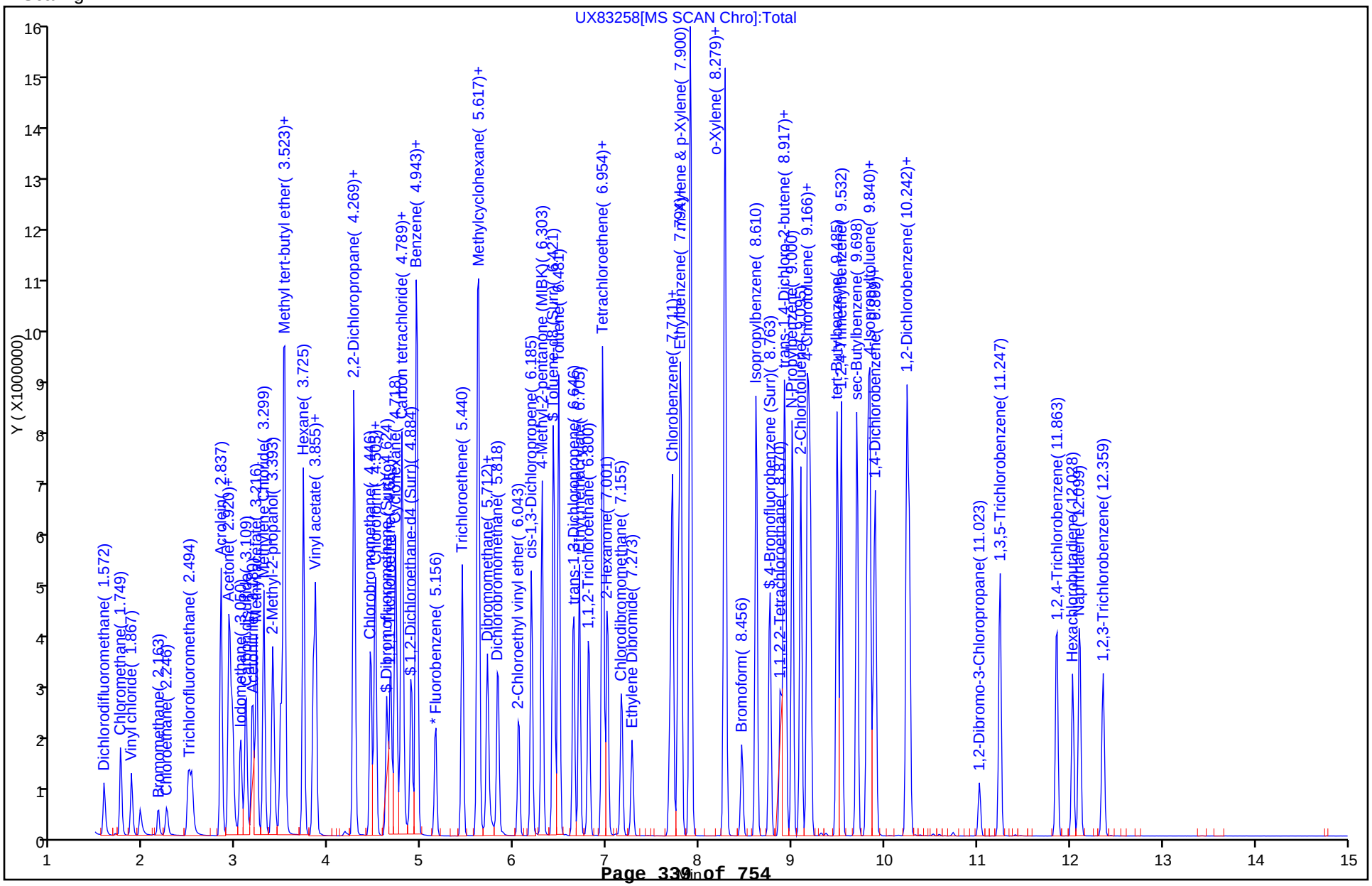
Report Date: 07-Feb-2013 22:11:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83258.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 19:45:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 3 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83259.D
Lims ID: STD8260 L7 Client ID:
Inject. Date: 06-Feb-2013 20:06:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: 240-0017176-004
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 74529 Lims Sample ID: 4
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:22 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: latat Date: 06-Feb-2013 20:50:23

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.155 | 0.001 | 100 | 1630309 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.686 | 0.001 | 93 | 1180324 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.875 | 0.0 | 93 | 561166 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.624 | 4.623 | 0.001 | 58 | 689148 | 99.3 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.884 | 4.895 | -0.011 | 95 | 876247 | 97.7 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.422 | 6.421 | 0.001 | 83 | 2490549 | 100.3 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.764 | 8.763 | 0.001 | 93 | 886004 | 101.5 | |
| 12 Dichlorodifluoromethane | 85 | 1.572 | 1.571 | 0.001 | 87 | 477985 | 108.9 | |
| 13 Chloromethane | 50 | 1.749 | 1.749 | 0.0 | 100 | 909111 | 102.5 | |
| 14 Vinyl chloride | 62 | 1.868 | 1.867 | 0.001 | 99 | 595279 | 107.7 | |
| 15 Bromomethane | 94 | 2.163 | 2.186 | -0.023 | 93 | 218303 | 75.1 | |
| 16 Chloroethane | 64 | 2.270 | 2.281 | -0.011 | 94 | 361935 | 102.9 | |
| 18 Trichlorofluoromethane | 101 | 2.494 | 2.506 | -0.012 | 97 | 774997 | 104.2 | |
| 20 Acrolein | 56 | 2.838 | 2.837 | 0.001 | 94 | 1755621 | 893.1 | |
| 21 1,1-Dichloroethene | 96 | 2.920 | 2.931 | -0.011 | 96 | 601570 | 105.6 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.944 | 2.943 | 0.001 | 84 | 477991 | 103.4 | |
| 22 Acetone | 43 | 2.956 | 2.955 | 0.001 | 96 | 798413 | 165.5 | |
| 24 Iodomethane | 142 | 3.050 | 3.050 | 0.0 | 99 | 1137398 | 100.3 | |
| 26 Carbon disulfide | 76 | 3.110 | 3.109 | 0.001 | 99 | 1756288 | 109.9 | |
| 27 Acetonitrile | 41 | 3.169 | 3.168 | 0.001 | 99 | 1535336 | 876.7 | |
| 28 Methyl acetate | 43 | 3.216 | 3.215 | 0.001 | 98 | 1898511 | 178.4 | |
| 30 Methylene Chloride | 84 | 3.299 | 3.298 | 0.001 | 92 | 736100 | 102.3 | |
| 31 2-Methyl-2-propanol | 59 | 3.382 | 3.381 | 0.001 | 93 | 1601249 | 1799.5 | |
| 32 Acrylonitrile | 53 | 3.476 | 3.476 | 0.0 | 97 | 842705 | 182.5 | |
| 34 Methyl tert-butyl ether | 73 | 3.524 | 3.523 | 0.001 | 89 | 2067560 | 100.1 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.524 | 3.523 | 0.001 | 66 | 690464 | 99.2 | |
| 35 Hexane | 86 | 3.725 | 3.736 | -0.011 | 96 | 191861 | 102.4 | |
| 36 1,1-Dichloroethane | 63 | 3.831 | 3.842 | -0.011 | 97 | 1336523 | 98.2 | |
| 37 Vinyl acetate | 86 | 3.855 | 3.866 | -0.011 | 97 | 170388 | 105.7 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.268 | 0.001 | 96 | 1198323 | 177.8 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.269 | 4.268 | 0.001 | 88 | 784747 | 99.2 | |
| 43 2,2-Dichloropropane | 77 | 4.281 | 4.280 | 0.001 | 82 | 568383 | 103.5 | |
| 47 Chlorobromomethane | 128 | 4.458 | 4.457 | 0.001 | 93 | 434160 | 100.3 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.493 | 0.0 | 91 | 379646 | 83.7 | |
| 49 Chloroform | 83 | 4.505 | 4.505 | 0.0 | 98 | 1220612 | 99.8 | |
| 50 1,1,1-Trichloroethane | 97 | 4.671 | 4.670 | 0.001 | 93 | 997199 | 109.8 | |
| 51 Cyclohexane | 56 | 4.718 | 4.718 | 0.0 | 96 | 1554830 | 102.8 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.788 | 0.001 | 82 | 905539 | 102.9 | |
| 53 Carbon tetrachloride | 117 | 4.801 | 4.800 | 0.001 | 87 | 955459 | 112.4 | |
| 55 Benzene | 78 | 4.943 | 4.954 | -0.011 | 93 | 2672433 | 98.4 | |
| 56 1,2-Dichloroethane | 62 | 4.943 | 4.954 | -0.011 | 62 | 1180501 | 95.9 | |
| 60 Trichloroethene | 130 | 5.440 | 5.439 | 0.001 | 94 | 817805 | 100.9 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.616 | 0.001 | 84 | 765798 | 99.9 | |
| 63 Methylcyclohexane | 83 | 5.605 | 5.616 | -0.011 | 92 | 1182513 | 101.2 | |
| 65 Dibromomethane | 93 | 5.712 | 5.711 | 0.001 | 87 | 430170 | 96.7 | |
| 66 1,4-Dioxane | 88 | 5.712 | 5.711 | 0.001 | 69 | 364265 | 4612.5 | |
| 67 Dichlorobromomethane | 83 | 5.818 | 5.829 | -0.011 | 97 | 929223 | 112.1 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.055 | 6.054 | 0.001 | 89 | 352481 | 220.1 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.185 | 6.184 | 0.001 | 82 | 1079403 | 115.8 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.303 | 0.0 | 98 | 2294466 | 190.6 | |
| 72 Toluene | 91 | 6.481 | 6.480 | 0.001 | 95 | 3033334 | 100.6 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.646 | 0.0 | 93 | 960320 | 111.9 | |
| 74 Ethyl methacrylate | 69 | 6.705 | 6.705 | 0.0 | 89 | 951166 | 111.0 | |
| 75 1,1,2-Trichloroethane | 97 | 6.800 | 6.811 | -0.011 | 95 | 617194 | 99.5 | |
| 76 1,3-Dichloropropane | 76 | 6.954 | 6.953 | 0.001 | 92 | 1031767 | 98.5 | |
| 77 Tetrachloroethene | 164 | 6.954 | 6.965 | -0.011 | 96 | 640404 | 105.1 | |
| 78 2-Hexanone | 43 | 7.001 | 7.000 | 0.001 | 97 | 1596962 | 191.5 | |
| 79 Chlorodibromomethane | 129 | 7.155 | 7.154 | 0.001 | 90 | 771877 | 114.1 | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.272 | 0.001 | 98 | 654782 | 101.7 | |
| 82 Chlorobenzene | 112 | 7.711 | 7.710 | 0.001 | 93 | 2072335 | 99.8 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.770 | 7.769 | 0.001 | 89 | 752711 | 111.0 | |
| 84 Ethylbenzene | 106 | 7.805 | 7.805 | 0.0 | 98 | 1080057 | 101.6 | |
| 10 m-Xylene & p-Xylene | 106 | 7.900 | 7.899 | 0.001 | 99 | 2620841 | 208.2 | |
| 86 Styrene | 104 | 8.279 | 8.278 | 0.001 | 89 | 2161608 | 111.5 | |
| 85 o-Xylene | 106 | 8.267 | 8.278 | -0.011 | 90 | 1243692 | 105.5 | |
| 87 Bromoform | 173 | 8.456 | 8.455 | 0.001 | 97 | 455847 | 113.4 | |
| 88 Isopropylbenzene | 105 | 8.610 | 8.609 | 0.001 | 96 | 3250560 | 107.6 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.870 | 8.869 | 0.001 | 89 | 676381 | 96.2 | |
| 91 Bromobenzene | 156 | 8.917 | 8.917 | 0.0 | 91 | 878819 | 100.8 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.928 | 0.001 | 81 | 257520 | 89.6 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.928 | 0.001 | 75 | 319687 | 109.5 | |
| 94 N-Propylbenzene | 120 | 9.000 | 8.999 | 0.001 | 98 | 893669 | 107.3 | |
| 95 2-Chlorotoluene | 126 | 9.095 | 9.094 | 0.001 | 97 | 784973 | 101.5 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.166 | 9.165 | 0.001 | 94 | 2597962 | 108.6 | |
| 104 4-Chlorotoluene | 126 | 9.201 | 9.201 | 0.0 | 98 | 826925 | 104.4 | |
| 97 tert-Butylbenzene | 119 | 9.485 | 9.484 | 0.001 | 89 | 2557062 | 111.5 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.532 | 0.0 | 77 | 2565849 | 106.1 | |
| 99 sec-Butylbenzene | 105 | 9.698 | 9.697 | 0.001 | 94 | 3138190 | 107.3 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.816 | 0.0 | 92 | 1538196 | 98.7 | |
| 101 4-Isopropyltoluene | 119 | 9.840 | 9.839 | 0.001 | 91 | 2637922 | 107.6 | |
| 102 1,4-Dichlorobenzene | 146 | 9.899 | 9.898 | 0.001 | 94 | 1582649 | 96.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 105 n-Butylbenzene | 91 | 10.242 | 10.241 | 0.001 | 97 | 2151768 | 108.3 | |
| 106 1,2-Dichlorobenzene | 146 | 10.266 | 10.265 | 0.001 | 98 | 1402722 | 94.7 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.023 | 11.022 | 0.001 | 79 | 111654 | 94.9 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.248 | 11.247 | 0.001 | 95 | 805856 | 90.2 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.863 | 11.862 | 0.001 | 95 | 644894 | 86.1 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.028 | 0.0 | 95 | 234834 | 97.5 | |
| 111 Naphthalene | 128 | 12.099 | 12.110 | -0.011 | 97 | 1615024 | 89.7 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.359 | 0.0 | 95 | 491930 | 98.1 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 439.3 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 198.4 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 227.7 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 313.7 | |

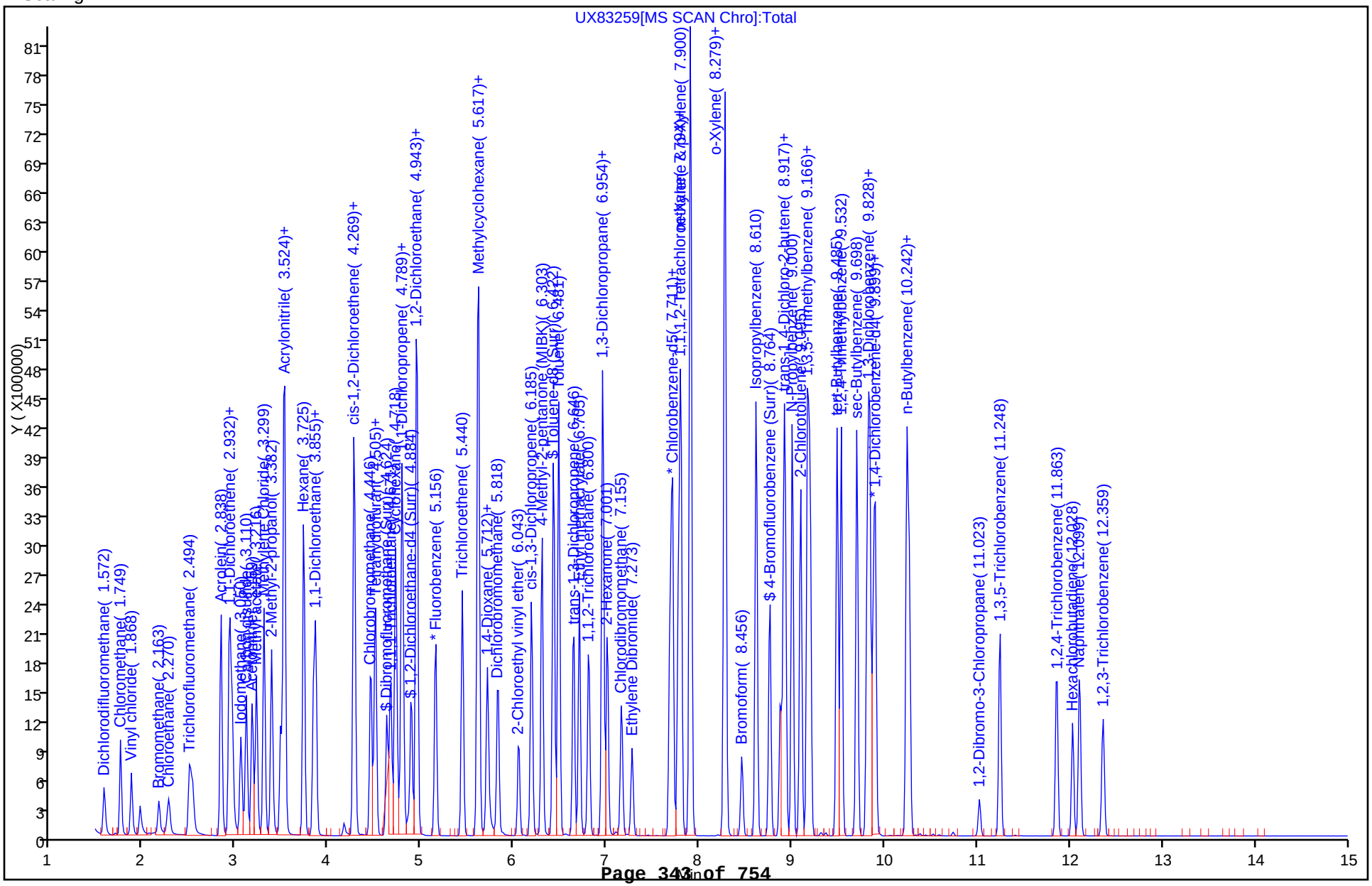
Report Date: 07-Feb-2013 22:11:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83259.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 20:06:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 4 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83260.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 06-Feb-2013 20:28:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0017176-005
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 74529 Lims Sample ID: 5
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:23 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.155 | 5.155 | 0.0 | 99 | 1642023 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.686 | 7.686 | 0.0 | 98 | 1187335 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.874 | 9.875 | -0.001 | 99 | 575846 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.622 | 4.623 | -0.001 | 58 | 337749 | 47.4 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.895 | 4.895 | 0.0 | 92 | 419208 | 45.4 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.420 | 6.421 | -0.001 | 95 | 1221288 | 48.0 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.762 | 8.763 | -0.001 | 92 | 426015 | 47.6 | |
| 12 Dichlorodifluoromethane | 85 | 1.571 | 1.571 | 0.0 | 97 | 232698 | 52.6 | |
| 13 Chloromethane | 50 | 1.748 | 1.749 | -0.001 | 100 | 450775 | 50.5 | |
| 14 Vinyl chloride | 62 | 1.866 | 1.867 | -0.001 | 99 | 288687 | 51.9 | |
| 15 Bromomethane | 94 | 2.174 | 2.186 | -0.012 | 91 | 157995 | 54.0 | |
| 16 Chloroethane | 64 | 2.280 | 2.281 | -0.001 | 96 | 178446 | 50.4 | |
| 18 Trichlorofluoromethane | 101 | 2.505 | 2.506 | -0.001 | 98 | 383007 | 51.1 | |
| 20 Acrolein | 56 | 2.836 | 2.837 | -0.001 | 94 | 1012240 | 511.2 | |
| 21 1,1-Dichloroethene | 96 | 2.931 | 2.931 | 0.0 | 96 | 298374 | 52.0 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.943 | 2.943 | 0.0 | 89 | 234654 | 50.4 | |
| 22 Acetone | 43 | 2.955 | 2.955 | 0.0 | 97 | 473566 | 97.5 | |
| 24 Iodomethane | 142 | 3.049 | 3.050 | -0.001 | 98 | 580460 | 50.8 | |
| 26 Carbon disulfide | 76 | 3.108 | 3.109 | -0.001 | 98 | 858196 | 53.3 | |
| 27 Acetonitrile | 41 | 3.168 | 3.168 | 0.0 | 99 | 877710 | 497.6 | |
| 28 Methyl acetate | 43 | 3.215 | 3.215 | 0.0 | 98 | 1077768 | 100.5 | |
| 30 Methylene Chloride | 84 | 3.298 | 3.298 | 0.0 | 92 | 383681 | 51.6 | |
| 31 2-Methyl-2-propanol | 59 | 3.380 | 3.381 | -0.001 | 94 | 925144 | 1032.3 | |
| 32 Acrylonitrile | 53 | 3.475 | 3.476 | -0.001 | 97 | 484805 | 104.3 | |
| 34 Methyl tert-butyl ether | 73 | 3.522 | 3.523 | -0.001 | 88 | 1095393 | 52.7 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.522 | 3.523 | -0.001 | 66 | 352874 | 50.3 | |
| 35 Hexane | 86 | 3.735 | 3.736 | -0.001 | 96 | 93096 | 49.3 | |
| 36 1,1-Dichloroethane | 63 | 3.842 | 3.842 | 0.0 | 97 | 678592 | 49.5 | |
| 37 Vinyl acetate | 86 | 3.865 | 3.866 | -0.001 | 97 | 86488 | 53.3 | |
| 41 2-Butanone (MEK) | 43 | 4.268 | 4.268 | 0.0 | 95 | 693210 | 102.1 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.268 | 4.268 | 0.0 | 87 | 399300 | 50.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 43 2,2-Dichloropropane | 77 | 4.279 | 4.280 | -0.001 | 76 | 299946 | 54.2 | |
| 47 Chlorobromomethane | 128 | 4.457 | 4.457 | 0.0 | 93 | 221248 | 50.8 | |
| 48 Tetrahydrofuran | 42 | 4.492 | 4.493 | -0.001 | 92 | 222412 | 48.7 | |
| 49 Chloroform | 83 | 4.504 | 4.505 | -0.001 | 99 | 623455 | 50.6 | |
| 50 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.0 | 93 | 488736 | 53.4 | |
| 51 Cyclohexane | 56 | 4.717 | 4.718 | -0.001 | 96 | 763013 | 50.1 | |
| 52 1,1-Dichloropropene | 75 | 4.788 | 4.788 | 0.0 | 83 | 441469 | 49.8 | |
| 53 Carbon tetrachloride | 117 | 4.800 | 4.800 | 0.0 | 84 | 462854 | 54.1 | |
| 55 Benzene | 78 | 4.954 | 4.954 | 0.0 | 95 | 1347938 | 49.3 | |
| 56 1,2-Dichloroethane | 62 | 4.942 | 4.954 | -0.012 | 62 | 611172 | 49.3 | |
| 60 Trichloroethene | 130 | 5.439 | 5.439 | 0.0 | 94 | 404217 | 49.5 | |
| 62 1,2-Dichloropropane | 63 | 5.616 | 5.616 | 0.0 | 86 | 389787 | 50.5 | |
| 63 Methylcyclohexane | 83 | 5.616 | 5.616 | 0.0 | 92 | 599308 | 50.9 | |
| 65 Dibromomethane | 93 | 5.711 | 5.711 | 0.0 | 87 | 220236 | 49.1 | |
| 66 1,4-Dioxane | 88 | 5.711 | 5.711 | 0.0 | 71 | 192853 | 2424.6 | |
| 67 Dichlorobromomethane | 83 | 5.829 | 5.829 | 0.0 | 96 | 450014 | 53.9 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.054 | 6.054 | 0.0 | 88 | 165373 | 102.5 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.184 | 6.184 | 0.0 | 81 | 511873 | 54.5 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.302 | 6.303 | -0.001 | 98 | 1308938 | 108.0 | |
| 72 Toluene | 91 | 6.480 | 6.480 | 0.0 | 97 | 1492142 | 49.2 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.645 | 6.646 | -0.001 | 91 | 453988 | 52.6 | |
| 74 Ethyl methacrylate | 69 | 6.704 | 6.705 | -0.001 | 89 | 487570 | 56.6 | |
| 75 1,1,2-Trichloroethane | 97 | 6.811 | 6.811 | 0.0 | 94 | 314652 | 50.4 | |
| 76 1,3-Dichloropropane | 76 | 6.953 | 6.953 | 0.0 | 91 | 534810 | 50.7 | |
| 77 Tetrachloroethene | 164 | 6.965 | 6.965 | 0.0 | 95 | 307626 | 50.2 | |
| 78 2-Hexanone | 43 | 7.000 | 7.000 | 0.0 | 97 | 897505 | 107.0 | |
| 79 Chlorodibromomethane | 129 | 7.154 | 7.154 | 0.0 | 91 | 375295 | 55.1 | |
| 123 Ethylene Dibromide | 107 | 7.272 | 7.272 | 0.0 | 99 | 337368 | 52.1 | |
| 82 Chlorobenzene | 112 | 7.710 | 7.710 | 0.0 | 92 | 1011545 | 48.4 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.769 | 7.769 | 0.0 | 88 | 365621 | 53.6 | |
| 84 Ethylbenzene | 106 | 7.804 | 7.805 | -0.001 | 98 | 527048 | 49.3 | |
| 10 m-Xylene & p-Xylene | 106 | 7.899 | 7.899 | 0.0 | 98 | 1285288 | 101.5 | |
| 86 Styrene | 104 | 8.277 | 8.278 | -0.001 | 88 | 1042279 | 53.4 | |
| 85 o-Xylene | 106 | 8.277 | 8.278 | -0.001 | 86 | 610176 | 51.5 | |
| 87 Bromoform | 173 | 8.455 | 8.455 | 0.0 | 97 | 220343 | 54.5 | |
| 88 Isopropylbenzene | 105 | 8.609 | 8.609 | 0.0 | 96 | 1566496 | 51.5 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.869 | 8.869 | 0.0 | 94 | 364420 | 50.5 | |
| 91 Bromobenzene | 156 | 8.916 | 8.917 | -0.001 | 86 | 430929 | 48.2 | |
| 92 1,2,3-Trichloropropane | 110 | 8.928 | 8.928 | 0.0 | 86 | 139616 | 47.3 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.928 | 8.928 | 0.0 | 76 | 166930 | 55.7 | |
| 94 N-Propylbenzene | 120 | 8.999 | 8.999 | 0.0 | 99 | 428239 | 50.1 | |
| 95 2-Chlorotoluene | 126 | 9.094 | 9.094 | 0.0 | 97 | 389933 | 49.2 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.165 | 9.165 | 0.0 | 93 | 1256494 | 51.2 | |
| 104 4-Chlorotoluene | 126 | 9.200 | 9.201 | -0.001 | 97 | 406231 | 50.0 | |
| 97 tert-Butylbenzene | 119 | 9.484 | 9.484 | 0.0 | 94 | 1232406 | 52.4 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.531 | 9.532 | -0.001 | 77 | 1256229 | 50.6 | |
| 99 sec-Butylbenzene | 105 | 9.697 | 9.697 | 0.0 | 94 | 1513431 | 50.4 | |
| 100 1,3-Dichlorobenzene | 146 | 9.815 | 9.816 | -0.001 | 84 | 776560 | 48.5 | |
| 101 4-Isopropyltoluene | 119 | 9.839 | 9.839 | 0.0 | 91 | 1261712 | 50.2 | |
| 102 1,4-Dichlorobenzene | 146 | 9.898 | 9.898 | 0.0 | 94 | 786166 | 46.6 | |
| 105 n-Butylbenzene | 91 | 10.241 | 10.241 | 0.0 | 97 | 1041031 | 51.1 | |
| 106 1,2-Dichlorobenzene | 146 | 10.265 | 10.265 | 0.0 | 98 | 714535 | 47.0 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.022 | 11.022 | 0.0 | 70 | 58050 | 48.1 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.246 | 11.247 | -0.001 | 98 | 386349 | 42.1 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.862 | 11.862 | 0.0 | 94 | 322655 | 42.0 | |
| 110 Hexachlorobutadiene | 225 | 12.027 | 12.028 | -0.001 | 95 | 115318 | 51.6 | |
| 111 Naphthalene | 128 | 12.110 | 12.110 | 0.0 | 97 | 851402 | 46.1 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.358 | 12.359 | -0.001 | 97 | 247748 | 51.8 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 214.1 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 100.4 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 107.1 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 153.0 | |

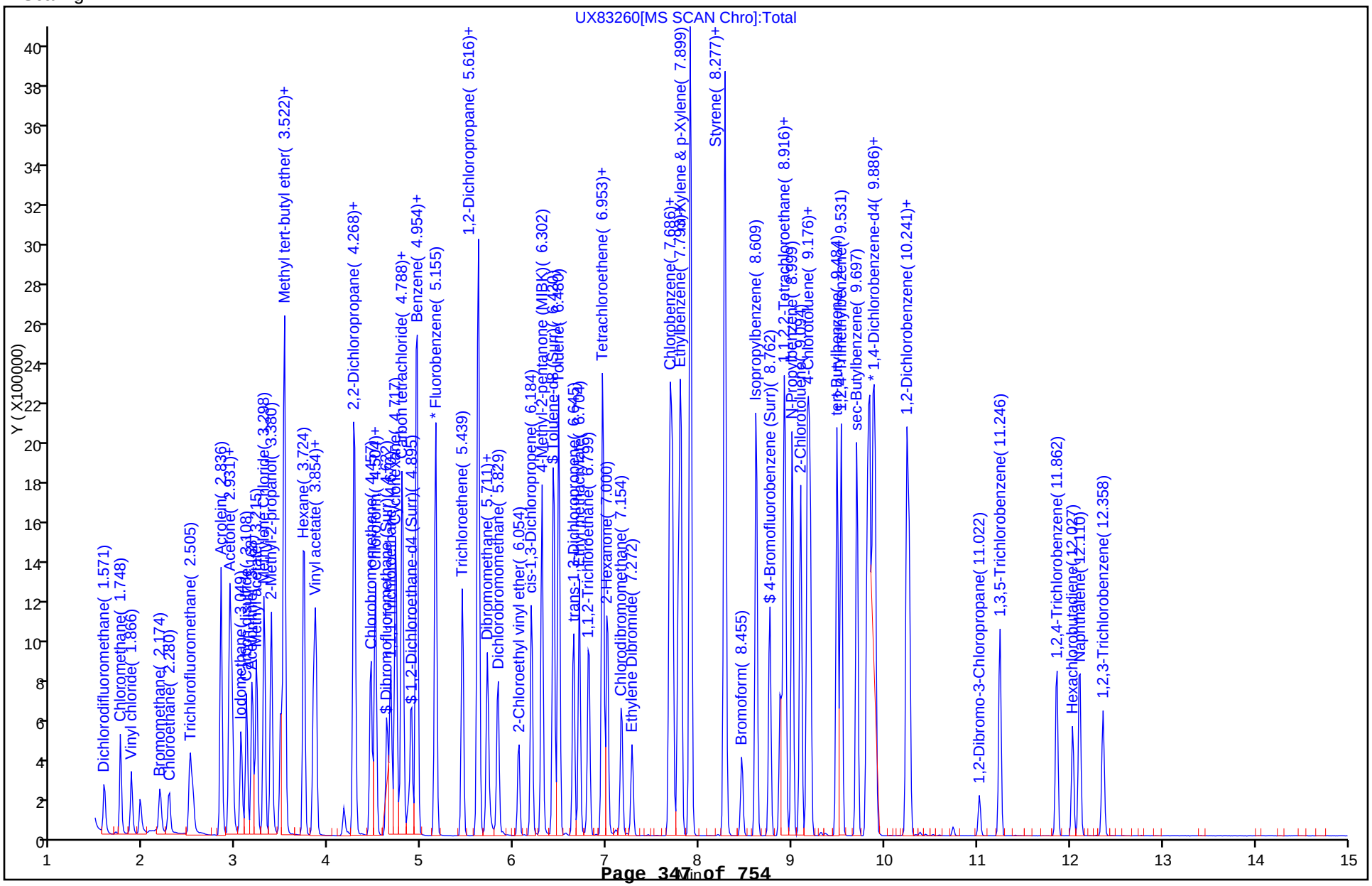
Report Date: 07-Feb-2013 22:11:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83260.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 20:28:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 5 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83261.D
Lims ID: ICIS Client ID:
Inject. Date: 06-Feb-2013 20:49:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: 240-0017176-006
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 74529 Lims Sample ID: 6
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:25 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: latat Date: 07-Feb-2013 01:15:48

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.155 | 5.155 | 0.0 | 99 | 1684340 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.686 | 7.686 | 0.0 | 98 | 1193957 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.875 | 0.0 | 99 | 561436 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.623 | 4.623 | 0.0 | 56 | 161623 | 21.2 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.895 | 4.895 | 0.0 | 96 | 210970 | 21.3 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.421 | 0.0 | 94 | 574261 | 21.6 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.763 | 8.763 | 0.0 | 90 | 203575 | 21.7 | |
| 12 Dichlorodifluoromethane | 85 | 1.571 | 1.571 | 0.0 | 97 | 98456 | 21.7 | |
| 13 Chloromethane | 50 | 1.749 | 1.749 | 0.0 | 99 | 187122 | 20.4 | |
| 14 Vinyl chloride | 62 | 1.867 | 1.867 | 0.0 | 99 | 116193 | 20.3 | |
| 15 Bromomethane | 94 | 2.186 | 2.186 | 0.0 | 92 | 63093 | 21.0 | |
| 16 Chloroethane | 64 | 2.281 | 2.281 | 0.0 | 92 | 73196 | 20.2 | |
| 18 Trichlorofluoromethane | 101 | 2.506 | 2.506 | 0.0 | 94 | 161545 | 21.0 | |
| 20 Acrolein | 56 | 2.837 | 2.837 | 0.0 | 91 | 373265 | 183.8 | |
| 21 1,1-Dichloroethene | 96 | 2.931 | 2.931 | 0.0 | 97 | 128104 | 21.8 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.943 | 2.943 | 0.0 | 79 | 95354 | 20.0 | |
| 22 Acetone | 43 | 2.955 | 2.955 | 0.0 | 96 | 187665 | 37.7 | |
| 24 Iodomethane | 142 | 3.050 | 3.050 | 0.0 | 99 | 239955 | 20.5 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.109 | 0.0 | 98 | 346049 | 21.0 | |
| 27 Acetonitrile | 41 | 3.168 | 3.168 | 0.0 | 98 | 337804 | 186.7 | |
| 28 Methyl acetate | 43 | 3.215 | 3.215 | 0.0 | 98 | 415949 | 37.8 | |
| 30 Methylene Chloride | 84 | 3.298 | 3.298 | 0.0 | 92 | 169352 | 20.5 | |
| 31 2-Methyl-2-propanol | 59 | 3.381 | 3.381 | 0.0 | 93 | 333028 | 362.3 | |
| 32 Acrylonitrile | 53 | 3.476 | 3.476 | 0.0 | 98 | 185405 | 38.9 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.523 | 0.0 | 87 | 426732 | 20.0 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.523 | 3.523 | 0.0 | 70 | 146413 | 20.4 | |
| 35 Hexane | 86 | 3.736 | 3.736 | 0.0 | 96 | 39056 | 20.2 | |
| 36 1,1-Dichloroethane | 63 | 3.842 | 3.842 | 0.0 | 97 | 282855 | 20.1 | |
| 37 Vinyl acetate | 86 | 3.866 | 3.866 | 0.0 | 97 | 32330 | 19.4 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 41 2-Butanone (MEK) | 43 | 4.268 | 4.268 | 0.0 | 95 | 260309 | 37.4 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.268 | 4.268 | 0.0 | 87 | 169164 | 20.7 | |
| 43 2,2-Dichloropropane | 77 | 4.280 | 4.280 | 0.0 | 75 | 120520 | 21.2 | |
| 47 Chlorobromomethane | 128 | 4.457 | 4.457 | 0.0 | 88 | 88968 | 19.9 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.493 | 0.0 | 90 | 81436 | 17.4 | |
| 49 Chloroform | 83 | 4.505 | 4.505 | 0.0 | 98 | 256741 | 20.3 | |
| 50 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.0 | 94 | 201467 | 21.5 | |
| 51 Cyclohexane | 56 | 4.718 | 4.718 | 0.0 | 96 | 316034 | 20.2 | |
| 52 1,1-Dichloropropene | 75 | 4.788 | 4.788 | 0.0 | 82 | 188604 | 20.8 | |
| 53 Carbon tetrachloride | 117 | 4.800 | 4.800 | 0.0 | 86 | 183081 | 20.9 | |
| 55 Benzene | 78 | 4.954 | 4.954 | 0.0 | 94 | 559898 | 20.0 | |
| 56 1,2-Dichloroethane | 62 | 4.954 | 4.954 | 0.0 | 59 | 250756 | 19.7 | |
| 60 Trichloroethene | 130 | 5.439 | 5.439 | 0.0 | 93 | 168559 | 20.1 | |
| 62 1,2-Dichloropropane | 63 | 5.616 | 5.616 | 0.0 | 85 | 158194 | 20.0 | |
| 63 Methylcyclohexane | 83 | 5.616 | 5.616 | 0.0 | 91 | 246658 | 20.4 | |
| 65 Dibromomethane | 93 | 5.711 | 5.711 | 0.0 | 88 | 90967 | 19.8 | |
| 66 1,4-Dioxane | 88 | 5.711 | 5.711 | 0.0 | 69 | 81341 | 996.9 | |
| 67 Dichlorobromomethane | 83 | 5.829 | 5.829 | 0.0 | 96 | 176423 | 20.6 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.054 | 6.054 | 0.0 | 83 | 59450 | 35.9 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.184 | 6.184 | 0.0 | 80 | 196333 | 20.4 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.303 | 0.0 | 97 | 488781 | 39.3 | |
| 72 Toluene | 91 | 6.480 | 6.480 | 0.0 | 98 | 631124 | 20.7 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.646 | 0.0 | 91 | 165716 | 19.1 | |
| 74 Ethyl methacrylate | 69 | 6.705 | 6.705 | 0.0 | 87 | 181609 | 21.0 | |
| 75 1,1,2-Trichloroethane | 97 | 6.811 | 6.811 | 0.0 | 94 | 128315 | 20.4 | |
| 76 1,3-Dichloropropane | 76 | 6.953 | 6.953 | 0.0 | 90 | 214614 | 20.2 | |
| 77 Tetrachloroethene | 164 | 6.965 | 6.965 | 0.0 | 96 | 130483 | 21.2 | |
| 78 2-Hexanone | 43 | 7.000 | 7.000 | 0.0 | 96 | 336264 | 39.9 | |
| 79 Chlorodibromomethane | 129 | 7.154 | 7.154 | 0.0 | 90 | 136821 | 20.0 | |
| 123 Ethylene Dibromide | 107 | 7.272 | 7.272 | 0.0 | 98 | 128856 | 19.8 | |
| 82 Chlorobenzene | 112 | 7.710 | 7.710 | 0.0 | 92 | 422654 | 20.1 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.769 | 7.769 | 0.0 | 90 | 139417 | 20.3 | |
| 84 Ethylbenzene | 106 | 7.805 | 7.805 | 0.0 | 98 | 219206 | 20.4 | |
| 10 m-Xylene & p-Xylene | 106 | 7.899 | 7.899 | 0.0 | 99 | 534941 | 42.0 | |
| 86 Styrene | 104 | 8.278 | 8.278 | 0.0 | 89 | 420325 | 21.4 | |
| 85 o-Xylene | 106 | 8.278 | 8.278 | 0.0 | 88 | 258552 | 21.7 | |
| 87 Bromoform | 173 | 8.455 | 8.455 | 0.0 | 96 | 76392 | 18.8 | |
| 88 Isopropylbenzene | 105 | 8.609 | 8.609 | 0.0 | 96 | 640892 | 21.0 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.869 | 8.869 | 0.0 | 88 | 133455 | 19.0 | |
| 91 Bromobenzene | 156 | 8.917 | 8.917 | 0.0 | 88 | 176985 | 20.3 | |
| 92 1,2,3-Trichloropropane | 110 | 8.928 | 8.928 | 0.0 | 81 | 55728 | 19.4 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.928 | 8.928 | 0.0 | 72 | 57602 | 19.7 | |
| 94 N-Propylbenzene | 120 | 8.999 | 8.999 | 0.0 | 99 | 176515 | 21.2 | |
| 95 2-Chlorotoluene | 126 | 9.094 | 9.094 | 0.0 | 96 | 155679 | 20.1 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.165 | 9.165 | 0.0 | 79 | 510466 | 21.3 | |
| 104 4-Chlorotoluene | 126 | 9.201 | 9.201 | 0.0 | 96 | 166568 | 21.0 | |
| 97 tert-Butylbenzene | 119 | 9.484 | 9.484 | 0.0 | 91 | 459443 | 20.0 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.532 | 0.0 | 76 | 512335 | 21.2 | |
| 99 sec-Butylbenzene | 105 | 9.697 | 9.697 | 0.0 | 94 | 622891 | 21.3 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.816 | 0.0 | 83 | 319921 | 20.5 | |
| 101 4-Isopropyltoluene | 119 | 9.839 | 9.839 | 0.0 | 91 | 533207 | 21.7 | |
| 102 1,4-Dichlorobenzene | 146 | 9.898 | 9.898 | 0.0 | 91 | 323871 | 19.7 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 105 n-Butylbenzene | 91 | 10.241 | 10.241 | 0.0 | 97 | 419748 | 21.1 | |
| 106 1,2-Dichlorobenzene | 146 | 10.265 | 10.265 | 0.0 | 97 | 288506 | 19.5 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.022 | 11.022 | 0.0 | 54 | 20097 | 17.1 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.247 | 11.247 | 0.0 | 97 | 160784 | 18.0 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.862 | 11.862 | 0.0 | 94 | 130921 | 17.5 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.028 | 0.0 | 88 | 56728 | 25.6 | |
| 111 Naphthalene | 128 | 12.110 | 12.110 | 0.0 | 96 | 293368 | 16.3 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.359 | 0.0 | 95 | 104599 | 21.9 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 79.7 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 41.1 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 39.5 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 63.7 | |

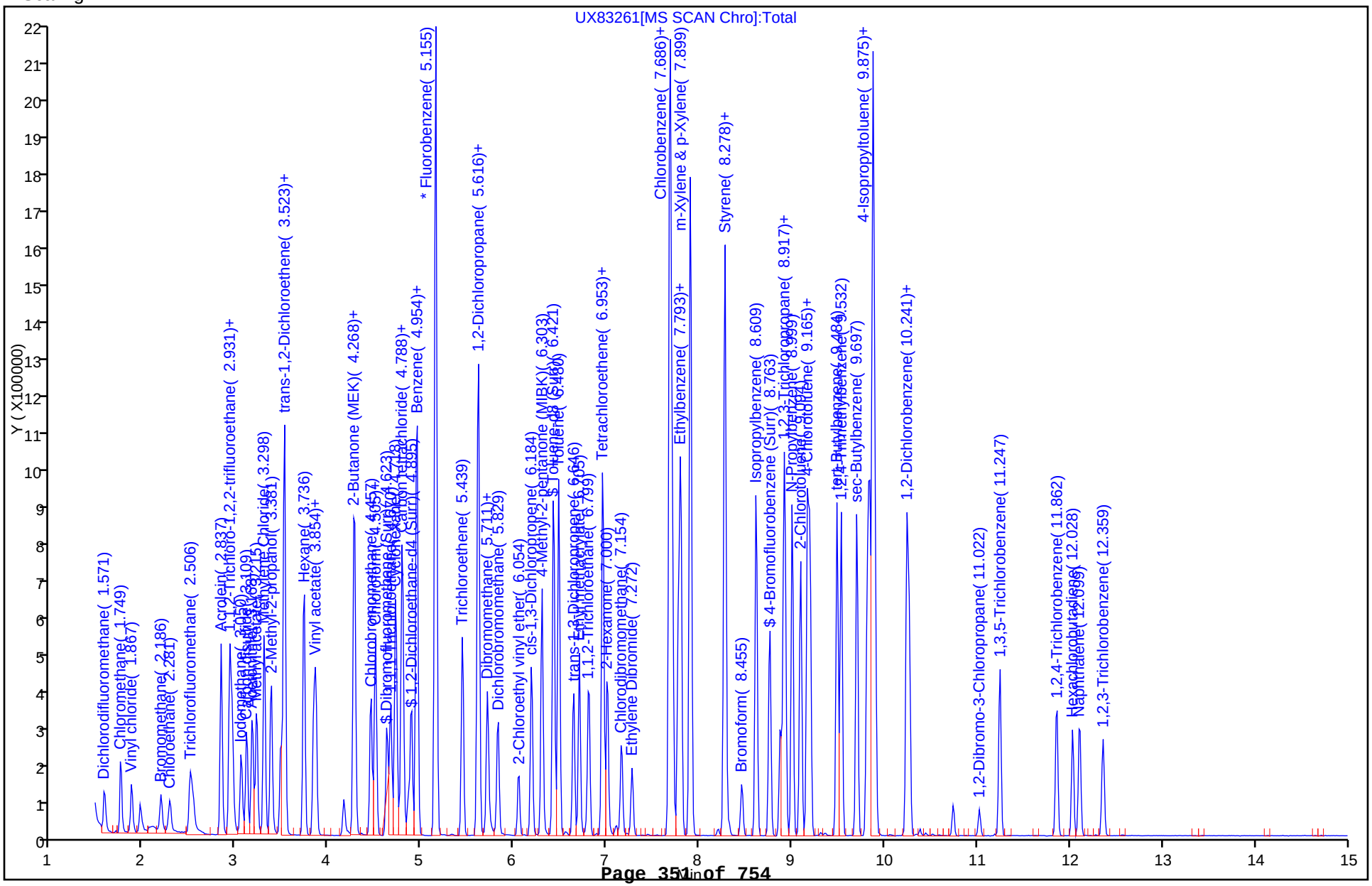
Report Date: 07-Feb-2013 22:11:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83261.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 20:49:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 6 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83262.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 06-Feb-2013 21:10:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0017176-007
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 74529 Lims Sample ID: 7
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:26 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.155 | 5.155 | 0.0 | 99 | 1627778 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.686 | 7.686 | 0.0 | 97 | 1170431 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.874 | 9.875 | -0.001 | 99 | 563478 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.622 | 4.623 | -0.001 | 54 | 83012 | 10.5 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.883 | 4.895 | -0.012 | 97 | 111243 | 10.8 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.420 | 6.421 | -0.001 | 91 | 295794 | 10.5 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.762 | 8.763 | -0.001 | 89 | 109161 | 11.0 | |
| 12 Dichlorodifluoromethane | 85 | 1.571 | 1.571 | 0.0 | 93 | 47526 | 10.8 | |
| 13 Chloromethane | 50 | 1.748 | 1.749 | -0.001 | 100 | 90161 | 10.2 | |
| 14 Vinyl chloride | 62 | 1.866 | 1.867 | -0.001 | 97 | 58599 | 10.6 | |
| 15 Bromomethane | 94 | 2.186 | 2.186 | 0.0 | 88 | 32250 | 11.1 | |
| 16 Chloroethane | 64 | 2.280 | 2.281 | -0.001 | 84 | 34067 | 9.70 | |
| 18 Trichlorofluoromethane | 101 | 2.505 | 2.506 | -0.001 | 93 | 79141 | 10.7 | |
| 20 Acrolein | 56 | 2.836 | 2.837 | -0.001 | 96 | 207907 | 105.9 | |
| 21 1,1-Dichloroethene | 96 | 2.931 | 2.931 | 0.0 | 94 | 62499 | 11.0 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.943 | 2.943 | 0.0 | 76 | 48668 | 10.5 | |
| 22 Acetone | 43 | 2.955 | 2.955 | 0.0 | 96 | 108511 | 22.5 | |
| 24 Iodomethane | 142 | 3.049 | 3.050 | -0.001 | 98 | 126793 | 11.2 | |
| 26 Carbon disulfide | 76 | 3.108 | 3.109 | -0.001 | 98 | 171592 | 10.8 | |
| 27 Acetonitrile | 41 | 3.167 | 3.168 | -0.001 | 99 | 184005 | 105.2 | |
| 28 Methyl acetate | 43 | 3.215 | 3.215 | 0.0 | 98 | 231405 | 21.8 | |
| 30 Methylene Chloride | 84 | 3.298 | 3.298 | 0.0 | 90 | 94256 | 10.6 | |
| 31 2-Methyl-2-propanol | 59 | 3.380 | 3.381 | -0.001 | 90 | 172805 | 194.5 | |
| 32 Acrylonitrile | 53 | 3.475 | 3.476 | -0.001 | 95 | 94733 | 20.6 | |
| 34 Methyl tert-butyl ether | 73 | 3.522 | 3.523 | -0.001 | 87 | 222492 | 10.8 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.522 | 3.523 | -0.001 | 68 | 71916 | 10.3 | |
| 35 Hexane | 86 | 3.735 | 3.736 | -0.001 | 95 | 19369 | 10.4 | |
| 36 1,1-Dichloroethane | 63 | 3.830 | 3.842 | -0.012 | 95 | 142454 | 10.5 | |
| 37 Vinyl acetate | 86 | 3.865 | 3.866 | -0.001 | 97 | 16031 | 9.96 | |
| 41 2-Butanone (MEK) | 43 | 4.268 | 4.268 | 0.0 | 95 | 143364 | 21.3 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.268 | 4.268 | 0.0 | 87 | 83778 | 10.6 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 43 2,2-Dichloropropane | 77 | 4.279 | 4.280 | -0.001 | 65 | 60244 | 11.0 | |
| 47 Chlorobromomethane | 128 | 4.457 | 4.457 | 0.0 | 88 | 45232 | 10.5 | |
| 48 Tetrahydrofuran | 42 | 4.492 | 4.493 | -0.001 | 93 | 47152 | 10.4 | |
| 49 Chloroform | 83 | 4.504 | 4.505 | -0.001 | 98 | 129378 | 10.6 | |
| 50 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.0 | 92 | 100882 | 11.1 | |
| 51 Cyclohexane | 56 | 4.717 | 4.718 | -0.001 | 96 | 158208 | 10.5 | |
| 52 1,1-Dichloropropene | 75 | 4.788 | 4.788 | 0.0 | 81 | 94758 | 10.8 | |
| 53 Carbon tetrachloride | 117 | 4.800 | 4.800 | 0.0 | 85 | 91793 | 10.8 | |
| 55 Benzene | 78 | 4.954 | 4.954 | 0.0 | 95 | 290460 | 10.7 | |
| 56 1,2-Dichloroethane | 62 | 4.942 | 4.954 | -0.012 | 62 | 127704 | 10.4 | |
| 60 Trichloroethene | 130 | 5.439 | 5.439 | 0.0 | 93 | 83548 | 10.3 | |
| 62 1,2-Dichloropropane | 63 | 5.616 | 5.616 | 0.0 | 88 | 81203 | 10.6 | |
| 63 Methylcyclohexane | 83 | 5.616 | 5.616 | 0.0 | 89 | 120723 | 10.3 | |
| 65 Dibromomethane | 93 | 5.711 | 5.711 | 0.0 | 87 | 45887 | 10.3 | |
| 66 1,4-Dioxane | 88 | 5.711 | 5.711 | 0.0 | 78 | 41224 | 522.8 | |
| 67 Dichlorobromomethane | 83 | 5.829 | 5.829 | 0.0 | 92 | 87671 | 10.6 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.054 | 6.054 | 0.0 | 79 | 29025 | 18.2 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.184 | 6.184 | 0.0 | 69 | 93046 | 10.0 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.302 | 6.303 | -0.001 | 98 | 252697 | 21.0 | |
| 72 Toluene | 91 | 6.479 | 6.480 | -0.001 | 97 | 314854 | 10.5 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.645 | 6.646 | -0.001 | 92 | 80150 | 9.42 | |
| 74 Ethyl methacrylate | 69 | 6.704 | 6.705 | -0.001 | 87 | 89700 | 10.6 | |
| 75 1,1,2-Trichloroethane | 97 | 6.811 | 6.811 | 0.0 | 94 | 63877 | 10.4 | |
| 76 1,3-Dichloropropane | 76 | 6.953 | 6.953 | 0.0 | 90 | 109475 | 10.5 | |
| 77 Tetrachloroethene | 164 | 6.964 | 6.965 | -0.001 | 95 | 66823 | 11.1 | |
| 78 2-Hexanone | 43 | 7.000 | 7.000 | 0.0 | 96 | 175907 | 21.3 | |
| 79 Chlorodibromomethane | 129 | 7.166 | 7.154 | 0.012 | 81 | 66276 | 9.88 | |
| 123 Ethylene Dibromide | 107 | 7.272 | 7.272 | 0.0 | 91 | 67692 | 10.6 | |
| 82 Chlorobenzene | 112 | 7.710 | 7.710 | 0.0 | 92 | 212144 | 10.3 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.769 | 7.769 | 0.0 | 85 | 72365 | 10.8 | |
| 84 Ethylbenzene | 106 | 7.804 | 7.805 | -0.001 | 98 | 108846 | 10.3 | |
| 10 m-Xylene & p-Xylene | 106 | 7.899 | 7.899 | 0.0 | 98 | 269863 | 21.6 | |
| 86 Styrene | 104 | 8.277 | 8.278 | -0.001 | 88 | 204823 | 10.7 | |
| 85 o-Xylene | 106 | 8.277 | 8.278 | -0.001 | 87 | 126940 | 10.9 | |
| 87 Bromoform | 173 | 8.455 | 8.455 | 0.0 | 90 | 36644 | 9.19 | |
| 88 Isopropylbenzene | 105 | 8.609 | 8.609 | 0.0 | 95 | 324380 | 10.8 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.869 | 8.869 | 0.0 | 86 | 77402 | 11.0 | |
| 91 Bromobenzene | 156 | 8.916 | 8.917 | -0.001 | 90 | 91484 | 10.4 | |
| 92 1,2,3-Trichloropropane | 110 | 8.928 | 8.928 | 0.0 | 80 | 29678 | 10.3 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.928 | 8.928 | 0.0 | 67 | 31991 | 10.9 | |
| 94 N-Propylbenzene | 120 | 8.999 | 8.999 | 0.0 | 98 | 90327 | 10.8 | |
| 95 2-Chlorotoluene | 126 | 9.094 | 9.094 | 0.0 | 97 | 84321 | 10.9 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.165 | 9.165 | 0.0 | 94 | 260803 | 10.9 | |
| 104 4-Chlorotoluene | 126 | 9.200 | 9.201 | -0.001 | 96 | 85239 | 10.7 | |
| 97 tert-Butylbenzene | 119 | 9.484 | 9.484 | 0.0 | 90 | 240265 | 10.4 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.531 | 9.532 | -0.001 | 96 | 263247 | 10.8 | |
| 99 sec-Butylbenzene | 105 | 9.697 | 9.697 | 0.0 | 92 | 330325 | 11.2 | |
| 100 1,3-Dichlorobenzene | 146 | 9.815 | 9.816 | -0.001 | 94 | 168198 | 10.7 | |
| 101 4-Isopropyltoluene | 119 | 9.839 | 9.839 | 0.0 | 90 | 266143 | 10.8 | |
| 102 1,4-Dichlorobenzene | 146 | 9.898 | 9.898 | 0.0 | 89 | 175400 | 10.6 | |
| 105 n-Butylbenzene | 91 | 10.241 | 10.241 | 0.0 | 96 | 213144 | 10.7 | |
| 106 1,2-Dichlorobenzene | 146 | 10.265 | 10.265 | 0.0 | 96 | 157356 | 10.6 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.022 | 11.022 | 0.0 | 48 | 11638 | 9.85 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.246 | 11.247 | -0.001 | 96 | 99165 | 11.1 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.861 | 11.862 | -0.001 | 91 | 78946 | 10.5 | |
| 110 Hexachlorobutadiene | 225 | 12.027 | 12.028 | -0.001 | 88 | 36132 | 14.6 | |
| 111 Naphthalene | 128 | 12.110 | 12.110 | 0.0 | 95 | 182438 | 10.1 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.358 | 12.359 | -0.001 | 90 | 66817 | 12.7 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 40.2 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 21.0 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 19.4 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 32.5 | |

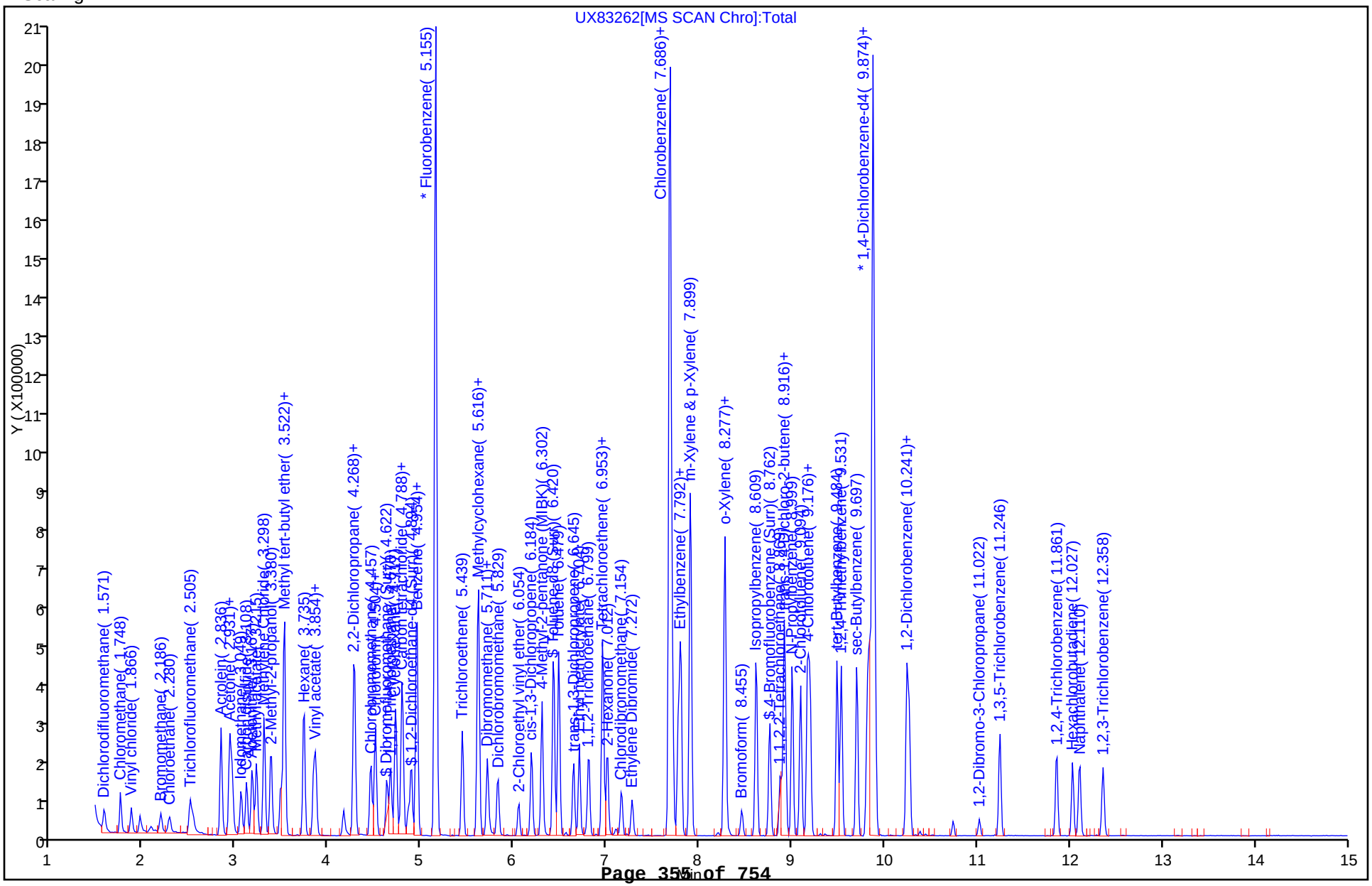
Report Date: 07-Feb-2013 22:11:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83262.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 21:10:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 7 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83263.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 06-Feb-2013 21:31:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0017176-008
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 74529 Lims Sample ID: 8
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:27 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.155 | 5.155 | 0.0 | 99 | 1599696 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.686 | 0.0 | 97 | 1174599 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.875 | 0.0 | 98 | 559085 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.623 | 4.623 | 0.0 | 52 | 47784 | 5.44 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.883 | 4.895 | -0.012 | 98 | 68799 | 6.10 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.421 | 0.0 | 92 | 176854 | 5.59 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.763 | 8.763 | 0.0 | 91 | 62099 | 5.48 | |
| 12 Dichlorodifluoromethane | 85 | 1.571 | 1.571 | 0.0 | 88 | 23009 | 5.34 | |
| 13 Chloromethane | 50 | 1.749 | 1.749 | 0.0 | 100 | 47178 | 5.42 | |
| 14 Vinyl chloride | 62 | 1.867 | 1.867 | 0.0 | 92 | 29780 | 5.49 | |
| 15 Bromomethane | 94 | 2.186 | 2.186 | 0.0 | 79 | 15731 | 5.52 | |
| 16 Chloroethane | 64 | 2.281 | 2.281 | 0.0 | 83 | 18267 | 5.29 | |
| 18 Trichlorofluoromethane | 101 | 2.506 | 2.506 | 0.0 | 86 | 39462 | 5.41 | |
| 20 Acrolein | 56 | 2.837 | 2.837 | 0.0 | 90 | 104674 | 54.3 | |
| 21 1,1-Dichloroethene | 96 | 2.931 | 2.931 | 0.0 | 94 | 29044 | 5.20 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.943 | 2.943 | 0.0 | 67 | 21943 | 4.84 | |
| 22 Acetone | 43 | 2.955 | 2.955 | 0.0 | 93 | 58354 | 12.3 | |
| 24 Iodomethane | 142 | 3.050 | 3.050 | 0.0 | 98 | 53473 | 4.81 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.109 | 0.0 | 96 | 73174 | 4.67 | |
| 27 Acetonitrile | 41 | 3.168 | 3.168 | 0.0 | 99 | 92076 | 53.6 | |
| 28 Methyl acetate | 43 | 3.215 | 3.215 | 0.0 | 97 | 106720 | 10.2 | |
| 30 Methylene Chloride | 84 | 3.298 | 3.298 | 0.0 | 92 | 50709 | 4.50 | |
| 31 2-Methyl-2-propanol | 59 | 3.381 | 3.381 | 0.0 | 88 | 88566 | 101.4 | |
| 32 Acrylonitrile | 53 | 3.476 | 3.476 | 0.0 | 95 | 46317 | 10.2 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.523 | 0.0 | 84 | 96440 | 4.76 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.523 | 3.523 | 0.0 | 67 | 33750 | 4.94 | |
| 35 Hexane | 86 | 3.736 | 3.736 | 0.0 | 92 | 8741 | 4.75 | |
| 36 1,1-Dichloroethane | 63 | 3.830 | 3.842 | -0.012 | 92 | 64150 | 4.80 | |
| 37 Vinyl acetate | 86 | 3.866 | 3.866 | 0.0 | 96 | 7159 | 4.53 | |
| 41 2-Butanone (MEK) | 43 | 4.268 | 4.268 | 0.0 | 92 | 69033 | 10.4 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.268 | 4.268 | 0.0 | 85 | 38819 | 5.00 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 43 2,2-Dichloropropane | 77 | 4.280 | 4.280 | 0.0 | 60 | 26572 | 4.93 | |
| 47 Chlorobromomethane | 128 | 4.457 | 4.457 | 0.0 | 81 | 20516 | 4.83 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.493 | 0.0 | 83 | 22710 | 5.10 | |
| 49 Chloroform | 83 | 4.505 | 4.505 | 0.0 | 96 | 59706 | 4.97 | |
| 50 1,1,1-Trichloroethane | 97 | 4.670 | 4.670 | 0.0 | 84 | 42474 | 4.77 | |
| 51 Cyclohexane | 56 | 4.718 | 4.718 | 0.0 | 95 | 70257 | 4.74 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.788 | 0.0 | 76 | 42907 | 4.97 | |
| 53 Carbon tetrachloride | 117 | 4.800 | 4.800 | 0.0 | 83 | 39697 | 4.76 | |
| 55 Benzene | 78 | 4.954 | 4.954 | 0.0 | 94 | 130028 | 4.88 | |
| 56 1,2-Dichloroethane | 62 | 4.942 | 4.954 | -0.012 | 62 | 59952 | 4.96 | |
| 60 Trichloroethene | 130 | 5.439 | 5.439 | 0.0 | 85 | 40976 | 5.15 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.616 | 0.0 | 65 | 36849 | 4.90 | |
| 63 Methylcyclohexane | 83 | 5.617 | 5.616 | 0.0 | 80 | 55509 | 4.84 | |
| 65 Dibromomethane | 93 | 5.711 | 5.711 | 0.0 | 86 | 21449 | 4.91 | |
| 66 1,4-Dioxane | 88 | 5.711 | 5.711 | 0.0 | 76 | 20703 | 267.2 | |
| 67 Dichlorobromomethane | 83 | 5.829 | 5.829 | 0.0 | 88 | 36067 | 4.43 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.054 | 6.054 | 0.0 | 71 | 13512 | 8.60 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.184 | 6.184 | 0.0 | 66 | 39400 | 4.31 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.303 | 0.0 | 95 | 124482 | 10.5 | |
| 72 Toluene | 91 | 6.480 | 6.480 | 0.0 | 96 | 146211 | 4.87 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.646 | 0.0 | 80 | 34501 | 4.04 | |
| 74 Ethyl methacrylate | 69 | 6.705 | 6.705 | 0.0 | 83 | 41328 | 4.85 | |
| 75 1,1,2-Trichloroethane | 97 | 6.811 | 6.811 | 0.0 | 87 | 30494 | 4.94 | |
| 76 1,3-Dichloropropane | 76 | 6.953 | 6.953 | 0.0 | 86 | 53912 | 5.17 | |
| 77 Tetrachloroethene | 164 | 6.965 | 6.965 | 0.0 | 92 | 29695 | 4.90 | |
| 78 2-Hexanone | 43 | 7.000 | 7.000 | 0.0 | 93 | 87850 | 10.6 | |
| 79 Chlorodibromomethane | 129 | 7.154 | 7.154 | 0.0 | 76 | 29975 | 4.45 | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.272 | 0.0 | 73 | 32557 | 5.08 | |
| 82 Chlorobenzene | 112 | 7.710 | 7.710 | 0.0 | 91 | 105004 | 5.08 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.769 | 7.769 | 0.0 | 68 | 32220 | 4.77 | |
| 84 Ethylbenzene | 106 | 7.805 | 7.805 | 0.0 | 96 | 49379 | 4.67 | |
| 10 m-Xylene & p-Xylene | 106 | 7.899 | 7.899 | 0.0 | 98 | 125639 | 10.0 | |
| 86 Styrene | 104 | 8.278 | 8.278 | 0.0 | 84 | 92148 | 4.78 | |
| 85 o-Xylene | 106 | 8.278 | 8.278 | 0.0 | 88 | 59430 | 5.07 | |
| 87 Bromoform | 173 | 8.455 | 8.455 | 0.0 | 76 | 15202 | 3.80 | |
| 88 Isopropylbenzene | 105 | 8.609 | 8.609 | 0.0 | 93 | 149273 | 4.96 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.869 | 8.869 | 0.0 | 87 | 36429 | 5.20 | |
| 91 Bromobenzene | 156 | 8.917 | 8.917 | 0.0 | 85 | 42911 | 4.94 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.928 | 0.0 | 71 | 15178 | 5.30 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.928 | 0.0 | 54 | 13350 | 4.59 | |
| 94 N-Propylbenzene | 120 | 8.999 | 8.999 | 0.0 | 95 | 41244 | 4.97 | |
| 95 2-Chlorotoluene | 126 | 9.094 | 9.094 | 0.0 | 96 | 39622 | 5.14 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.165 | 9.165 | 0.0 | 93 | 116352 | 4.88 | |
| 104 4-Chlorotoluene | 126 | 9.201 | 9.201 | 0.0 | 92 | 39905 | 5.06 | |
| 97 tert-Butylbenzene | 119 | 9.484 | 9.484 | 0.0 | 87 | 124301 | 5.44 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.532 | 0.0 | 68 | 116673 | 4.84 | |
| 99 sec-Butylbenzene | 105 | 9.697 | 9.697 | 0.0 | 86 | 147652 | 5.07 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.816 | 0.0 | 89 | 78913 | 5.08 | |
| 101 4-Isopropyltoluene | 119 | 9.839 | 9.839 | 0.0 | 84 | 122999 | 5.04 | |
| 102 1,4-Dichlorobenzene | 146 | 9.898 | 9.898 | 0.0 | 78 | 83248 | 5.08 | |
| 105 n-Butylbenzene | 91 | 10.241 | 10.241 | 0.0 | 95 | 98045 | 4.95 | |
| 106 1,2-Dichlorobenzene | 146 | 10.265 | 10.265 | 0.0 | 94 | 76982 | 5.22 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.022 | 11.022 | 0.0 | 22 | 5597 | 4.77 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.247 | 11.247 | 0.0 | 91 | 46919 | 5.27 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.862 | 11.862 | 0.0 | 85 | 39157 | 5.25 | |
| 110 Hexachlorobutadiene | 225 | 12.039 | 12.028 | 0.011 | 74 | 19735 | 5.23 | |
| 111 Naphthalene | 128 | 12.110 | 12.110 | 0.0 | 89 | 93143 | 5.19 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.359 | 0.0 | 82 | 38694 | 5.73 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 17.7 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 9.94 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 8.35 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 15.1 | |

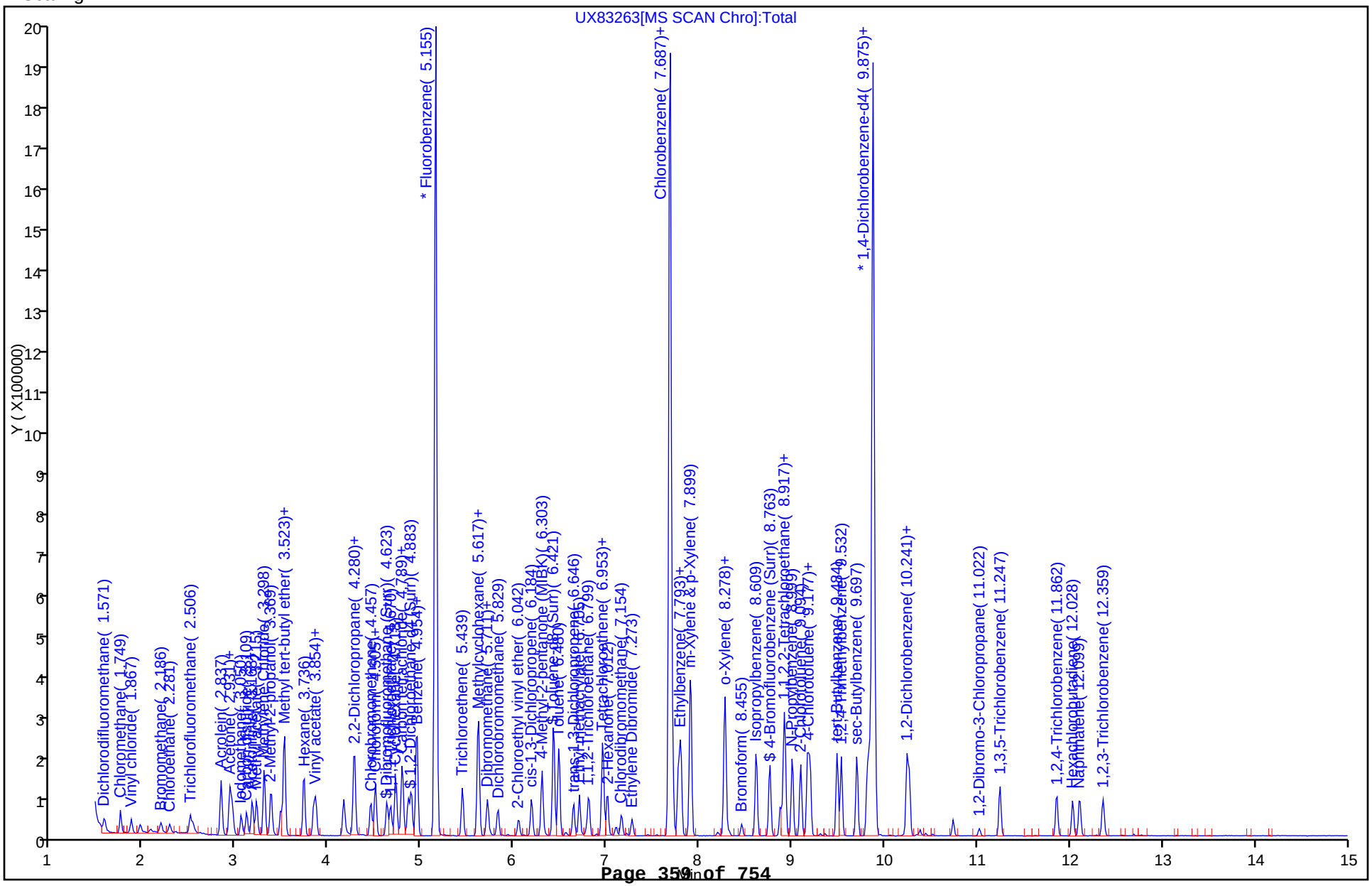
Report Date: 07-Feb-2013 22:11:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83263.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 21:31:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 8 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83264.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 06-Feb-2013 21:53:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017176-009
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 74529 Lims Sample ID: 9
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:28 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.158 | 5.155 | 0.003 | 100 | 1613966 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.689 | 7.686 | 0.003 | 96 | 1172501 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.877 | 9.875 | 0.002 | 98 | 536601 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.625 | 4.623 | 0.002 | 45 | 28768 | 2.56 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.886 | 4.895 | -0.009 | 88 | 36819 | 2.35 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.423 | 6.421 | 0.002 | 88 | 94828 | 2.22 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.765 | 8.763 | 0.002 | 84 | 34543 | 2.26 | |
| 12 Dichlorodifluoromethane | 85 | 1.574 | 1.571 | 0.003 | 63 | 6564 | 1.51 | |
| 13 Chloromethane | 50 | 1.751 | 1.749 | 0.002 | 78 | 16143 | 1.84 | |
| 14 Vinyl chloride | 62 | 1.869 | 1.867 | 0.002 | 64 | 9305 | 1.70 | |
| 15 Bromomethane | 94 | 2.189 | 2.186 | 0.003 | 66 | 5643 | 1.96 | |
| 16 Chloroethane | 64 | 2.283 | 2.281 | 0.002 | 52 | 5838 | 1.68 | |
| 18 Trichlorofluoromethane | 101 | 2.496 | 2.506 | -0.010 | 72 | 11487 | 1.56 | |
| 20 Acrolein | 56 | 2.839 | 2.837 | 0.002 | 92 | 38313 | 19.7 | |
| 21 1,1-Dichloroethene | 96 | 2.934 | 2.931 | 0.003 | 85 | 9757 | 1.73 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.946 | 2.943 | 0.003 | 1 | 4352 | 0.9508 | |
| 22 Acetone | 43 | 2.957 | 2.955 | 0.002 | 92 | 30082 | 6.30 | |
| 24 Iodomethane | 142 | 3.052 | 3.050 | 0.002 | 92 | 21653 | 1.93 | |
| 26 Carbon disulfide | 76 | 3.111 | 3.109 | 0.002 | 89 | 27985 | 1.77 | |
| 27 Acetonitrile | 41 | 3.170 | 3.168 | 0.002 | 95 | 35882 | 20.7 | |
| 28 Methyl acetate | 43 | 3.218 | 3.215 | 0.003 | 96 | 41827 | 3.97 | |
| 30 Methylene Chloride | 84 | 3.300 | 3.298 | 0.002 | 89 | 33614 | 1.96 | |
| 31 2-Methyl-2-propanol | 59 | 3.371 | 3.381 | -0.010 | 85 | 32491 | 36.9 | |
| 32 Acrylonitrile | 53 | 3.478 | 3.476 | 0.002 | 88 | 17669 | 3.87 | |
| 34 Methyl tert-butyl ether | 73 | 3.525 | 3.523 | 0.002 | 84 | 38525 | 1.88 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.513 | 3.523 | -0.010 | 59 | 12622 | 1.83 | |
| 35 Hexane | 86 | 3.726 | 3.736 | -0.010 | 82 | 1840 | 0.99 | |
| 36 1,1-Dichloroethane | 63 | 3.833 | 3.842 | -0.009 | 75 | 27982 | 2.08 | |
| 37 Vinyl acetate | 86 | 3.868 | 3.866 | 0.002 | 89 | 2899 | 1.82 | |
| 41 2-Butanone (MEK) | 43 | 4.270 | 4.268 | 0.002 | 92 | 27174 | 4.07 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.270 | 4.268 | 0.002 | 86 | 15574 | 1.99 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 43 2,2-Dichloropropane | 77 | 4.282 | 4.280 | 0.002 | 55 | 10147 | 1.87 | |
| 47 Chlorobromomethane | 128 | 4.448 | 4.457 | -0.009 | 75 | 8215 | 1.92 | |
| 48 Tetrahydrofuran | 42 | 4.495 | 4.493 | 0.002 | 72 | 9700 | 2.16 | |
| 49 Chloroform | 83 | 4.507 | 4.505 | 0.002 | 87 | 23144 | 1.91 | |
| 50 1,1,1-Trichloroethane | 97 | 4.661 | 4.670 | -0.009 | 67 | 14951 | 1.66 | |
| 51 Cyclohexane | 56 | 4.720 | 4.718 | 0.002 | 80 | 17717 | 1.18 | |
| 52 1,1-Dichloropropene | 75 | 4.791 | 4.788 | 0.003 | 63 | 15612 | 1.79 | |
| 53 Carbon tetrachloride | 117 | 4.803 | 4.800 | 0.003 | 75 | 13506 | 1.61 | |
| 55 Benzene | 78 | 4.945 | 4.954 | -0.009 | 92 | 52576 | 1.96 | |
| 56 1,2-Dichloroethane | 62 | 4.945 | 4.954 | -0.009 | 59 | 24836 | 2.04 | |
| 60 Trichloroethene | 130 | 5.441 | 5.439 | 0.002 | 74 | 15958 | 1.99 | |
| 62 1,2-Dichloropropane | 63 | 5.619 | 5.616 | 0.003 | 66 | 14506 | 1.91 | |
| 63 Methylcyclohexane | 83 | 5.607 | 5.616 | -0.009 | 64 | 12609 | 1.09 | |
| 65 Dibromomethane | 93 | 5.714 | 5.711 | 0.003 | 77 | 9138 | 2.07 | |
| 66 1,4-Dioxane | 88 | 5.714 | 5.711 | 0.003 | 47 | 7344 | 93.9 | |
| 67 Dichlorobromomethane | 83 | 5.832 | 5.829 | 0.003 | 67 | 14791 | 1.80 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.045 | 6.054 | -0.009 | 31 | 4498 | 2.84 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.187 | 6.184 | 0.003 | 49 | 14068 | 1.52 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.305 | 6.303 | 0.002 | 87 | 44672 | 3.75 | |
| 72 Toluene | 91 | 6.482 | 6.480 | 0.002 | 93 | 57875 | 1.93 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.636 | 6.646 | -0.010 | 60 | 12376 | 1.45 | |
| 74 Ethyl methacrylate | 69 | 6.707 | 6.705 | 0.002 | 64 | 14265 | 1.68 | |
| 75 1,1,2-Trichloroethane | 97 | 6.802 | 6.811 | -0.009 | 83 | 12114 | 1.97 | |
| 76 1,3-Dichloropropane | 76 | 6.956 | 6.953 | 0.003 | 77 | 19466 | 1.87 | |
| 77 Tetrachloroethene | 164 | 6.967 | 6.965 | 0.002 | 82 | 10292 | 1.70 | |
| 78 2-Hexanone | 43 | 7.003 | 7.000 | 0.003 | 88 | 29450 | 3.55 | |
| 79 Chlorodibromomethane | 129 | 7.157 | 7.154 | 0.003 | 38 | 9867 | 1.47 | |
| 123 Ethylene Dibromide | 107 | 7.275 | 7.272 | 0.003 | 50 | 11350 | 1.77 | |
| 82 Chlorobenzene | 112 | 7.713 | 7.710 | 0.003 | 81 | 40505 | 1.96 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.772 | 7.769 | 0.003 | 32 | 11551 | 1.71 | |
| 84 Ethylbenzene | 106 | 7.795 | 7.805 | -0.010 | 92 | 21500 | 2.04 | |
| 10 m-Xylene & p-Xylene | 106 | 7.902 | 7.899 | 0.003 | 97 | 46464 | 3.72 | |
| 86 Styrene | 104 | 8.280 | 8.278 | 0.002 | 82 | 33505 | 1.74 | |
| 85 o-Xylene | 106 | 8.268 | 8.278 | -0.010 | 83 | 19898 | 1.70 | |
| 87 Bromoform | 173 | 8.458 | 8.455 | 0.003 | 49 | 5271 | 1.32 | |
| 88 Isopropylbenzene | 105 | 8.611 | 8.609 | 0.002 | 81 | 52004 | 1.73 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.872 | 8.869 | 0.003 | 56 | 12560 | 1.87 | |
| 91 Bromobenzene | 156 | 8.919 | 8.917 | 0.002 | 55 | 16539 | 1.98 | |
| 92 1,2,3-Trichloropropane | 110 | 8.919 | 8.928 | -0.009 | 55 | 5594 | 2.04 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.931 | 8.928 | 0.003 | 29 | 4612 | 1.65 | |
| 94 N-Propylbenzene | 120 | 9.002 | 8.999 | 0.003 | 90 | 14393 | 1.81 | |
| 95 2-Chlorotoluene | 126 | 9.096 | 9.094 | 0.002 | 86 | 14227 | 1.92 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.167 | 9.165 | 0.002 | 83 | 39199 | 1.71 | |
| 104 4-Chlorotoluene | 126 | 9.191 | 9.201 | -0.010 | 87 | 13351 | 1.76 | |
| 97 tert-Butylbenzene | 119 | 9.487 | 9.484 | 0.003 | 70 | 37837 | 1.73 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.534 | 9.532 | 0.002 | 55 | 39973 | 1.73 | |
| 99 sec-Butylbenzene | 105 | 9.700 | 9.697 | 0.003 | 68 | 48518 | 1.73 | |
| 100 1,3-Dichlorobenzene | 146 | 9.818 | 9.816 | 0.002 | 61 | 27828 | 1.87 | |
| 101 4-Isopropyltoluene | 119 | 9.842 | 9.839 | 0.003 | 70 | 38437 | 1.64 | |
| 102 1,4-Dichlorobenzene | 146 | 9.901 | 9.898 | 0.003 | 74 | 30329 | 1.93 | |
| 105 n-Butylbenzene | 91 | 10.244 | 10.241 | 0.003 | 80 | 32131 | 1.69 | |
| 106 1,2-Dichlorobenzene | 146 | 10.267 | 10.265 | 0.002 | 70 | 28542 | 2.02 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.025 | 11.022 | 0.003 | 1 | 1081 | 0.9605 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.249 | 11.247 | 0.002 | 61 | 17415 | 2.04 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.864 | 11.862 | 0.002 | 55 | 15479 | 2.16 | |
| 110 Hexachlorobutadiene | 225 | 12.030 | 12.028 | 0.002 | 41 | 6912 | -2.62 | |
| 111 Naphthalene | 128 | 12.113 | 12.110 | 0.003 | 55 | 36090 | 2.10 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.361 | 12.359 | 0.002 | 59 | 14507 | -0.4525 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 6.50 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 3.82 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 2.98 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 5.42 | |

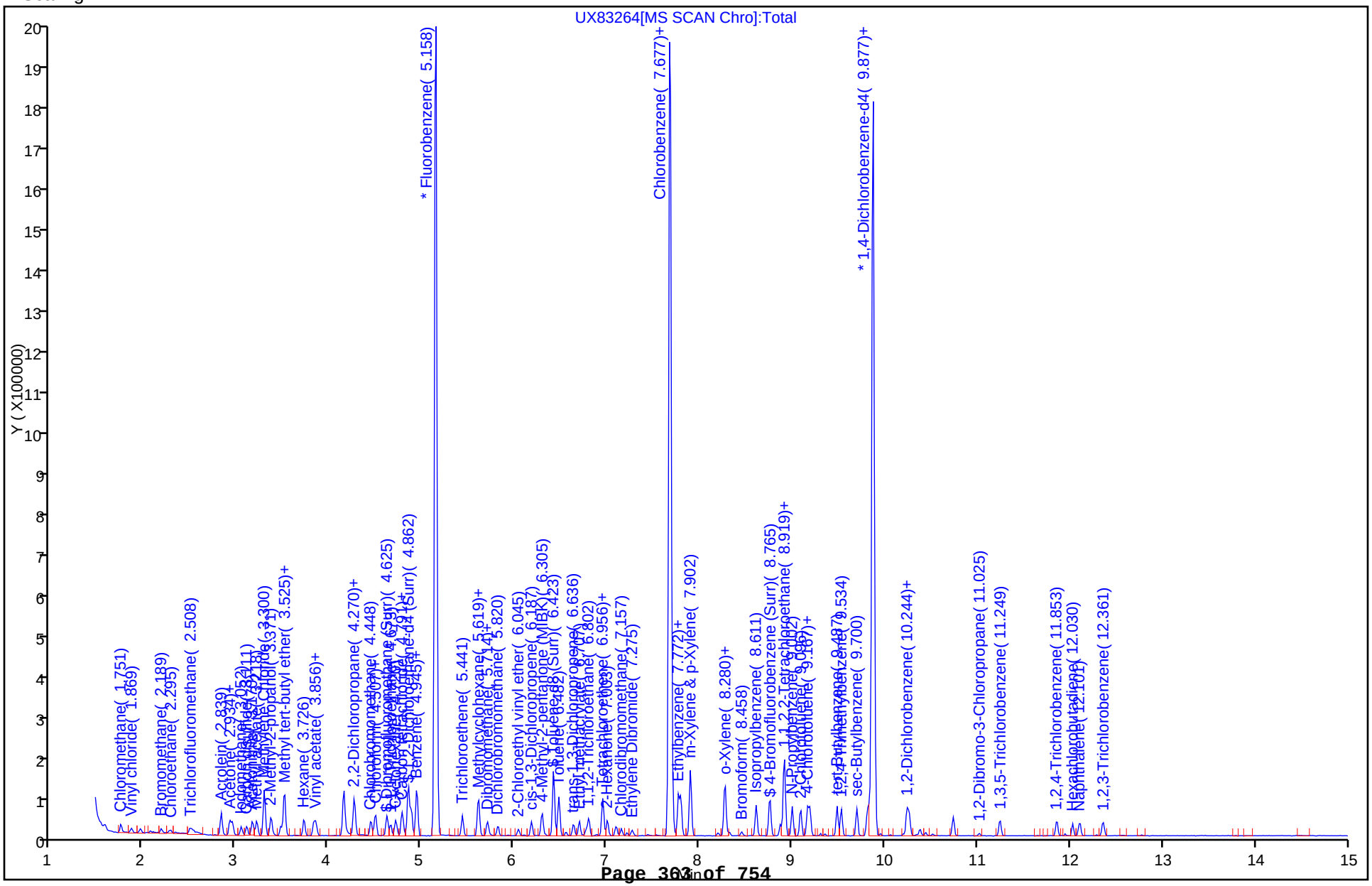
Report Date: 07-Feb-2013 22:11:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83264.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 21:53:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 9 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83265.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 06-Feb-2013 22:14:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0017176-010
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 74529 Lims Sample ID: 10
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:29 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: latat Date: 06-Feb-2013 23:07:30

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.155 | 0.001 | 99 | 1628339 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.686 | 0.001 | 97 | 1169432 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.875 | 0.0 | 99 | 529861 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.624 | 4.623 | 0.001 | 46 | 15453 | 0.5736 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.884 | 4.895 | -0.011 | 83 | 21336 | 0.5536 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.421 | 0.0 | 80 | 57245 | 0.6792 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.764 | 8.763 | 0.001 | 77 | 20590 | 0.6303 | |
| 12 Dichlorodifluoromethane | 85 | 1.572 | 1.571 | 0.001 | 12 | 3840 | 0.8758 | |
| 13 Chloromethane | 50 | 1.749 | 1.749 | 0.0 | 81 | 9049 | 1.02 | |
| 14 Vinyl chloride | 62 | 1.867 | 1.867 | 0.0 | 24 | 4976 | 0.9014 | |
| 15 Bromomethane | 94 | 2.187 | 2.186 | 0.001 | 10 | 2677 | 0.9224 | |
| 16 Chloroethane | 64 | 2.281 | 2.281 | 0.0 | 38 | 3818 | 1.09 | |
| 18 Trichlorofluoromethane | 101 | 2.494 | 2.506 | -0.012 | 28 | 7683 | 1.03 | |
| 20 Acrolein | 56 | 2.837 | 2.837 | 0.0 | 87 | 21459 | 10.9 | |
| 21 1,1-Dichloroethene | 96 | 2.932 | 2.931 | 0.001 | 59 | 4642 | 0.8160 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.944 | 2.943 | 0.001 | 1 | 2746 | 0.5946 | |
| 22 Acetone | 43 | 2.956 | 2.955 | 0.001 | 89 | 18349 | 3.81 | |
| 24 Iodomethane | 142 | 3.050 | 3.050 | 0.0 | 75 | 11008 | 0.9718 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.109 | 0.0 | 89 | 13241 | 0.8295 | |
| 27 Acetonitrile | 41 | 3.169 | 3.168 | 0.001 | 94 | 19998 | 11.4 | |
| 28 Methyl acetate | 43 | 3.216 | 3.215 | 0.001 | 94 | 22957 | 2.16 | |
| 30 Methylene Chloride | 84 | 3.299 | 3.298 | 0.001 | 87 | 23808 | 0.5154 | |
| 31 2-Methyl-2-propanol | 59 | 3.370 | 3.381 | -0.011 | 89 | 23206 | 26.1 | |
| 32 Acrylonitrile | 53 | 3.476 | 3.476 | 0.0 | 70 | 10018 | 2.17 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.523 | 0.0 | 77 | 20650 | 1.00 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.523 | 3.523 | 0.0 | 55 | 7653 | 1.10 | |
| 35 Hexane | 86 | 3.736 | 3.736 | 0.0 | 75 | 1338 | 0.7149 | |
| 36 1,1-Dichloroethane | 63 | 3.843 | 3.842 | 0.001 | 39 | 13865 | 1.02 | |
| 37 Vinyl acetate | 86 | | 3.866 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.268 | 0.001 | 92 | 14452 | 2.15 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.269 | 4.268 | 0.001 | 70 | 7740 | 0.9794 | |
| 43 2,2-Dichloropropane | 77 | 4.281 | 4.280 | 0.0 | 40 | 5172 | 0.9427 | |
| 47 Chlorobromomethane | 128 | 4.446 | 4.457 | -0.011 | 69 | 4531 | 1.05 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.493 | 0.0 | 77 | 5696 | 1.26 | |
| 49 Chloroform | 83 | 4.505 | 4.505 | 0.0 | 51 | 12271 | 1.00 | |
| 50 1,1,1-Trichloroethane | 97 | 4.671 | 4.670 | 0.001 | 67 | 7685 | 0.8474 | |
| 51 Cyclohexane | 56 | 4.718 | 4.718 | 0.0 | 69 | 10777 | 0.7136 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.788 | 0.001 | 40 | 8727 | 0.99 | |
| 53 Carbon tetrachloride | 117 | 4.801 | 4.800 | 0.001 | 70 | 7153 | 0.8427 | |
| 55 Benzene | 78 | 4.955 | 4.954 | 0.001 | 87 | 29058 | 1.07 | |
| 56 1,2-Dichloroethane | 62 | 4.943 | 4.954 | -0.011 | 31 | 13390 | 1.09 | |
| 60 Trichloroethene | 130 | 5.440 | 5.439 | 0.001 | 66 | 7943 | 0.9810 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.616 | 0.001 | 49 | 8146 | 1.06 | |
| 63 Methylcyclohexane | 83 | 5.605 | 5.616 | -0.011 | 60 | 8537 | 0.7317 | |
| 65 Dibromomethane | 93 | 5.712 | 5.711 | 0.001 | 70 | 4709 | 1.06 | |
| 66 1,4-Dioxane | 88 | 5.712 | 5.711 | 0.001 | 50 | 4631 | 58.7 | |
| 67 Dichlorobromomethane | 83 | 5.830 | 5.829 | 0.001 | 35 | 6999 | 0.8450 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.055 | 6.054 | 0.001 | 1 | 2170 | 1.36 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.185 | 6.184 | 0.001 | 34 | 7092 | 0.7618 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.303 | 0.0 | 84 | 23135 | 1.92 | |
| 72 Toluene | 91 | 6.481 | 6.480 | 0.001 | 78 | 30301 | 1.01 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.646 | 0.0 | 49 | 6140 | 0.7222 | |
| 74 Ethyl methacrylate | 69 | 6.705 | 6.705 | 0.0 | 44 | 6212 | 0.7318 | |
| 75 1,1,2-Trichloroethane | 97 | 6.800 | 6.811 | -0.011 | 37 | 6072 | 0.9875 | |
| 76 1,3-Dichloropropane | 76 | 6.954 | 6.953 | 0.001 | 61 | 10433 | 1.00 | |
| 77 Tetrachloroethene | 164 | 6.966 | 6.965 | 0.001 | 68 | 5795 | 0.9599 | |
| 78 2-Hexanone | 43 | 7.001 | 7.000 | 0.001 | 75 | 15772 | 1.91 | |
| 79 Chlorodibromomethane | 129 | 7.167 | 7.154 | 0.013 | 9 | 5050 | 0.7534 | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.272 | 0.001 | 41 | 6227 | 0.9757 | |
| 82 Chlorobenzene | 112 | 7.711 | 7.710 | 0.001 | 66 | 21943 | 1.07 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.770 | 7.769 | 0.001 | 10 | 5780 | 0.8603 | |
| 84 Ethylbenzene | 106 | 7.794 | 7.805 | -0.011 | 76 | 11089 | 1.05 | |
| 10 m-Xylene & p-Xylene | 106 | 7.900 | 7.899 | 0.001 | 97 | 23261 | 1.86 | |
| 86 Styrene | 104 | 8.279 | 8.278 | 0.001 | 74 | 16016 | 0.8339 | |
| 85 o-Xylene | 106 | 8.267 | 8.278 | -0.011 | 80 | 10796 | 0.9247 | |
| 87 Bromoform | 173 | 8.456 | 8.455 | 0.001 | 1 | 2550 | 0.6401 | |
| 88 Isopropylbenzene | 105 | 8.610 | 8.609 | 0.001 | 67 | 26817 | 0.8956 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.870 | 8.869 | 0.001 | 1 | 6649 | 1.00 | |
| 91 Bromobenzene | 156 | 8.917 | 8.917 | 0.0 | 34 | 8637 | 1.05 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.928 | 0.001 | 49 | 3219 | 1.19 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.928 | 0.001 | 4 | 2168 | 0.7867 | |
| 94 N-Propylbenzene | 120 | 9.000 | 8.999 | 0.001 | 75 | 6967 | 0.8858 | |
| 95 2-Chlorotoluene | 126 | 9.095 | 9.094 | 0.001 | 74 | 7021 | 0.9619 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.166 | 9.165 | 0.001 | 50 | 19548 | 0.8654 | |
| 104 4-Chlorotoluene | 126 | 9.189 | 9.201 | -0.012 | 66 | 7254 | 0.9698 | |
| 97 tert-Butylbenzene | 119 | 9.485 | 9.484 | 0.001 | 65 | 18752 | 0.8663 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.532 | 0.0 | 29 | 21150 | 0.9262 | |
| 99 sec-Butylbenzene | 105 | 9.698 | 9.697 | 0.001 | 50 | 22270 | 0.8063 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.816 | 0.0 | 1 | 15183 | 1.03 | |
| 101 4-Isopropyltoluene | 119 | 9.840 | 9.839 | 0.001 | 48 | 19859 | 0.8580 | |
| 102 1,4-Dichlorobenzene | 146 | 9.899 | 9.898 | 0.001 | 51 | 17696 | 1.14 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 105 n-Butylbenzene | 91 | 10.242 | 10.241 | 0.001 | 63 | 15677 | 0.8359 | |
| 106 1,2-Dichlorobenzene | 146 | 10.266 | 10.265 | 0.001 | 71 | 14905 | 1.07 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.023 | 11.022 | 0.001 | 1 | 947 | 0.8522 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.248 | 11.247 | 0.001 | 36 | 9546 | 1.13 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.863 | 11.862 | 0.001 | 37 | 8620 | 1.22 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.028 | 0.0 | 10 | 3277 | -5.07 | |
| 111 Naphthalene | 128 | 12.099 | 12.110 | -0.011 | 24 | 19797 | 1.16 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.359 | 0.0 | 27 | 8092 | -2.22 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 3.24 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 2.08 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 1.48 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 2.79 | |

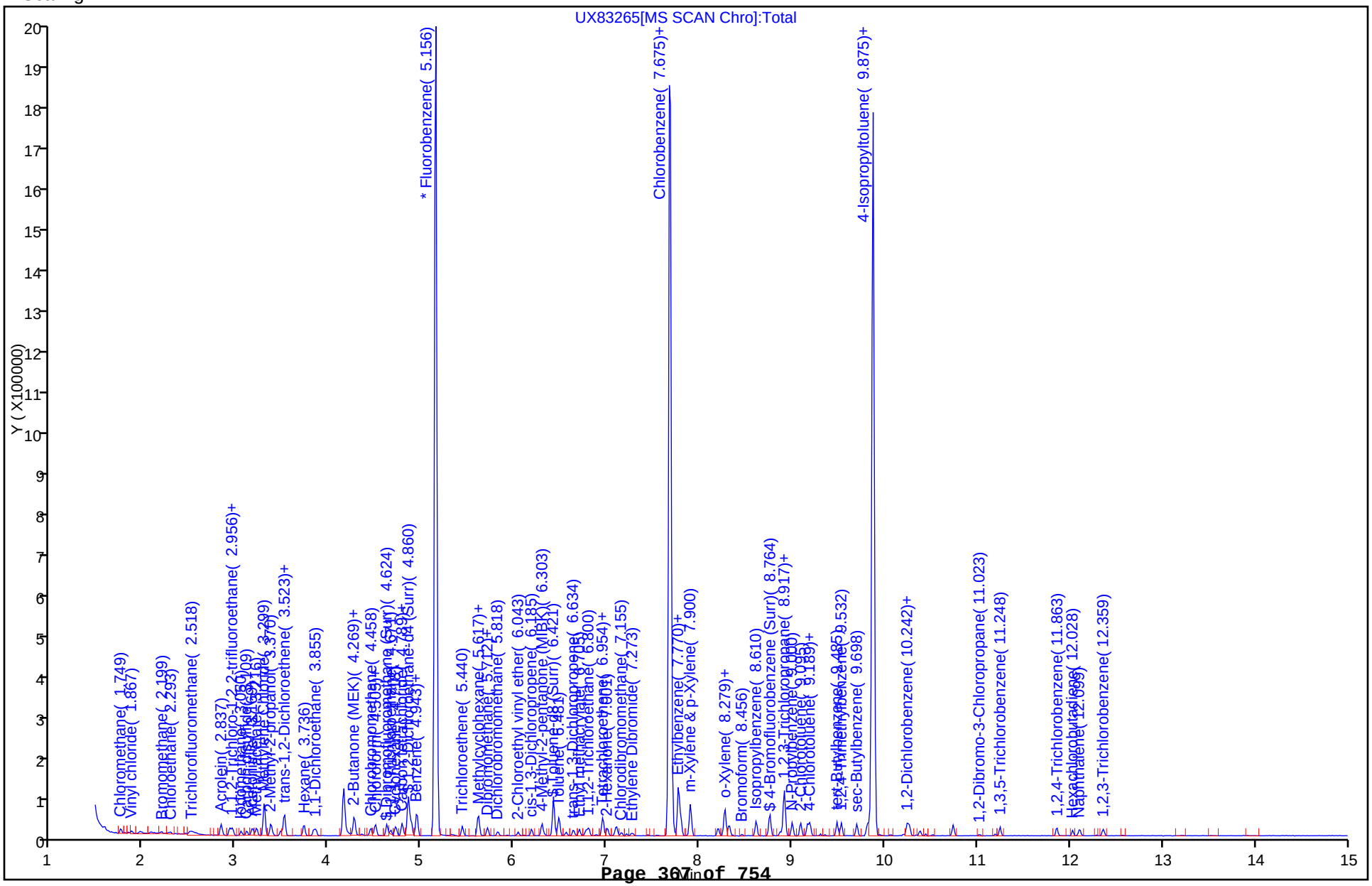
Report Date: 07-Feb-2013 22:11:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83265.D

| | | | |
|---|---|---|---|
| Injection Date: | 06-Feb-2013 22:14:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 10 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-73638/14 Calibration Date: 01/30/2013 20:47

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6102.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1781 | 0.1919 | | 10.8 | 10.0 | 7.7 | 50.0 |
| Chloromethane | Ave | 0.2871 | 0.2964 | 0.1000 | 10.3 | 10.0 | 3.2 | 50.0 |
| Vinyl chloride | Ave | 0.2940 | 0.3166 | | 10.8 | 10.0 | 7.7 | 20.0 |
| Bromomethane | Lin1 | | 0.1135 | | 9.53 | 10.0 | -4.7 | 50.0 |
| Chloroethane | Lin1 | | 0.1924 | | 10.4 | 10.0 | 4.3 | 50.0 |
| Trichlorofluoromethane | Ave | 0.1796 | 0.2078 | | 11.6 | 10.0 | 15.7 | 50.0 |
| Acrolein | Ave | 0.0337 | 0.0421 | | 37.5 | 30.0 | 24.9 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2306 | 0.2411 | | 10.5 | 10.0 | 4.5 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.1385 | 0.1590 | | 11.5 | 10.0 | 14.8 | 50.0 |
| Acetone | Qua | | 0.0618 | | 18.4 | 20.0 | -8.0 | 50.0 |
| Iodomethane | Ave | 0.3700 | 0.3867 | | 10.5 | 10.0 | 4.5 | 50.0 |
| Carbon disulfide | Ave | 0.7498 | 0.7374 | | 9.83 | 10.0 | -1.7 | 50.0 |
| Acetonitrile | Qua | | 0.0280 | | 27.6 | 30.0 | -8.1 | 50.0 |
| Methyl acetate | Ave | 0.1829 | 0.1565 | | | 10.0 | -14.4 | 50.0 |
| Methylene Chloride | Lin1 | | 0.2888 | | 10.2 | 10.0 | 1.8 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0155 | 0.0140 | | 181 | 200 | -9.4 | 50.0 |
| Acrylonitrile | Ave | 0.0896 | 0.0843 | | 28.2 | 30.0 | -5.9 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7124 | 0.6824 | | 9.58 | 10.0 | -4.2 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2655 | 0.2712 | | 10.2 | 10.0 | 2.1 | 50.0 |
| Hexane | Ave | 0.0682 | 0.0714 | | 10.5 | 10.0 | 4.6 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.4628 | 0.4512 | 0.1000 | 9.75 | 10.0 | -2.5 | 50.0 |
| Vinyl acetate | Ave | 0.0420 | 0.0382 | | 9.10 | 10.0 | -9.0 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.2136 | 0.1980 | | 9.27 | 10.0 | -7.3 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2880 | 0.2782 | | 9.66 | 10.0 | -3.4 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.1023 | 0.0855 | | 16.7 | 20.0 | -16.5 | 50.0 |
| Chlorobromomethane | Ave | 0.1360 | 0.1286 | | 9.46 | 10.0 | -5.4 | 50.0 |
| Tetrahydrofuran | Lin1 | | 0.0643 | | 9.81 | 10.0 | -1.9 | 50.0 |
| Chloroform | Ave | 0.4469 | 0.4277 | | 9.57 | 10.0 | -4.3 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.3173 | 0.3075 | | 9.69 | 10.0 | -3.1 | 50.0 |
| Cyclohexane | Ave | 0.4363 | 0.4293 | | 9.84 | 10.0 | -1.6 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3501 | 0.3463 | | 9.89 | 10.0 | -1.1 | 50.0 |
| Carbon tetrachloride | Ave | 0.2544 | 0.2586 | | 10.2 | 10.0 | 1.6 | 50.0 |
| Benzene | Ave | 1.132 | 1.085 | | 9.59 | 10.0 | -4.1 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3455 | 0.3402 | | 9.85 | 10.0 | -1.5 | 50.0 |
| Trichloroethene | Ave | 0.2831 | 0.2764 | | 9.76 | 10.0 | -2.4 | 50.0 |
| Methylcyclohexane | Ave | 0.4543 | 0.4411 | | 9.71 | 10.0 | -2.9 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2530 | 0.2459 | | 9.72 | 10.0 | -2.8 | 20.0 |
| Dibromomethane | Ave | 0.1436 | 0.1404 | | 9.78 | 10.0 | -2.2 | 50.0 |
| Dichlorobromomethane | Ave | 0.2799 | 0.2720 | | 9.72 | 10.0 | -2.8 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1388 | 0.1240 | | | 10.0 | -10.7 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-73638/14 Calibration Date: 01/30/2013 20:47

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6102.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | Ave | 0.3415 | 0.3151 | | 9.23 | 10.0 | -7.7 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.1909 | 0.1759 | | 18.4 | 20.0 | -7.9 | 50.0 |
| Toluene | Ave | 1.546 | 1.450 | | 9.37 | 10.0 | -6.3 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.3635 | 0.3465 | | 9.53 | 10.0 | -4.7 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2776 | 0.2604 | | 9.38 | 10.0 | -6.2 | 50.0 |
| Tetrachloroethene | Ave | 0.2958 | 0.2804 | | 9.48 | 10.0 | -5.2 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5084 | 0.4808 | | 9.46 | 10.0 | -5.4 | 50.0 |
| 2-Hexanone | Ave | 0.1620 | 0.1455 | | 18.0 | 20.0 | -10.2 | 50.0 |
| Chlorodibromomethane | Ave | 0.2446 | 0.2282 | | 9.33 | 10.0 | -6.7 | 50.0 |
| Ethylene Dibromide | Ave | 0.2655 | 0.2553 | | 9.61 | 10.0 | -3.9 | 50.0 |
| Chlorobenzene | Ave | 0.997 | 0.9487 | 0.3000 | 9.52 | 10.0 | -4.8 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2975 | 0.2969 | | 9.98 | 10.0 | -0.2 | 50.0 |
| Ethylbenzene | Ave | 0.5192 | 0.5053 | | 9.73 | 10.0 | -2.7 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.6615 | 0.6470 | | 19.6 | 20.0 | -2.2 | 50.0 |
| o-Xylene | Ave | 0.6308 | 0.6373 | | 10.1 | 10.0 | 1.0 | 50.0 |
| Styrene | Ave | 1.010 | 1.031 | | 10.2 | 10.0 | 2.1 | 50.0 |
| Bromoform | Ave | 0.1445 | 0.1366 | 0.1000 | 9.45 | 10.0 | -5.5 | 50.0 |
| Isopropylbenzene | Ave | 1.611 | 1.616 | | 10.0 | 10.0 | 0.3 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6145 | 0.5423 | 0.3000 | 8.83 | 10.0 | -11.7 | 50.0 |
| Bromobenzene | Ave | 0.7132 | 0.6752 | | 9.47 | 10.0 | -5.3 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.1999 | 0.1909 | | 9.55 | 10.0 | -4.5 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.1476 | 0.1459 | | 19.8 | 20.0 | -1.1 | 50.0 |
| N-Propylbenzene | Ave | 0.7611 | 0.7696 | | 10.1 | 10.0 | 1.1 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6820 | 0.6485 | | 9.51 | 10.0 | -4.9 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.279 | 2.248 | | 9.86 | 10.0 | -1.4 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7338 | 0.7055 | | 9.61 | 10.0 | -3.9 | 50.0 |
| tert-Butylbenzene | Ave | 2.028 | 1.959 | | 9.66 | 10.0 | -3.4 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.338 | 2.312 | | 9.89 | 10.0 | -1.1 | 50.0 |
| sec-Butylbenzene | Ave | 2.895 | 2.777 | | 9.59 | 10.0 | -4.1 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.436 | 1.359 | | 9.46 | 10.0 | -5.4 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.420 | 2.465 | | 10.2 | 10.0 | 1.9 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.486 | 1.384 | | 9.31 | 10.0 | -6.9 | 50.0 |
| n-Butylbenzene | Ave | 2.222 | 2.095 | | 9.43 | 10.0 | -5.7 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.362 | 1.272 | | 9.34 | 10.0 | -6.6 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.0891 | 0.0765 | | 8.59 | 10.0 | -14.1 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.9704 | 0.7216 | | 7.44 | 10.0 | -25.6 | 50.0 |
| Hexachlorobutadiene | Qua | | 0.3071 | | 7.45 | 10.0 | -25.5 | 50.0 |
| Naphthalene | Ave | 2.082 | 1.439 | | 6.91 | 10.0 | -30.9 | 50.0 |
| 1,2,3-Trichlorobenzene | Lin1 | | 0.6024 | | 7.43 | 10.0 | -25.7 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2265 | 0.2111 | | 8.30 | 8.91 | -6.8 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2902 | 0.2656 | | 8.16 | 8.91 | -8.5 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-73638/14 Calibration Date: 01/30/2013 20:47

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6102.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Toluene-d8 (Surr) | Ave | 1.298 | 1.203 | | 8.26 | 8.91 | -7.3 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4730 | 0.4623 | | 8.71 | 8.91 | -2.3 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6102.D
Lims ID: ICV
Client ID:
Inject. Date: 30-Jan-2013 20:47:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016957-014
Misc. Info.:
Operator: 1904
Instrument ID: A3UX17
Purge Vol: 5.000 mL
ALS Bottle#: 13
Lims Batch ID: 73638
Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:13:10
Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler
Date: 31-Jan-2013 08:28:33

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1649975 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1277502 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 91 | 786641 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 60 | 310358 | 8.30 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 390502 | 8.16 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.151 | 0.0 | 92 | 1369097 | 8.26 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 89 | 526266 | 8.71 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 87 | 316607 | 10.8 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 88 | 488981 | 10.3 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 522440 | 10.8 | |
| 18 Bromomethane | 94 | 2.312 | 2.300 | 0.012 | 87 | 187291 | 9.53 | |
| 19 Chloroethane | 64 | 2.419 | 2.407 | 0.012 | 95 | 317514 | 10.4 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 84 | 342910 | 11.6 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 88 | 367228 | 10.4 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 95 | 208545 | 37.5 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 90 | 397810 | 10.5 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 79 | 262305 | 11.5 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 99 | 203949 | 18.4 | |
| 28 Iodomethane | 142 | 3.332 | 3.332 | 0.0 | 97 | 638112 | 10.5 | |
| 29 Carbon disulfide | 76 | 3.392 | 3.391 | 0.001 | 99 | 1216744 | 9.83 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 99 | 138522 | 27.6 | |
| 32 Methyl acetate | 43 | 3.546 | 3.546 | 0.0 | 97 | 258288 | 8.56 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.640 | 0.001 | 86 | 476457 | 10.2 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 93 | 461946 | 181.2 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.878 | 0.0 | 98 | 417304 | 28.2 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 1125949 | 9.58 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.890 | 0.0 | 95 | 447445 | 10.2 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 91 | 117745 | 10.5 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.269 | 0.0 | 85 | 744474 | 9.75 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 85 | 63047 | 9.10 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 80 | 395644 | 9.87 | |
| 44 2,2-Dichloropropane | 77 | 4.779 | 4.779 | 0.0 | 57 | 326729 | 9.27 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.779 | 0.0 | 69 | 459056 | 9.66 | |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.791 | 0.0 | 93 | 282174 | 16.7 | |
| 50 Chlorobromomethane | 128 | 4.992 | 4.992 | 0.0 | 86 | 212255 | 9.46 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.028 | 0.0 | 84 | 106088 | 9.81 | |
| 52 Chloroform | 83 | 5.052 | 5.052 | 0.0 | 80 | 705728 | 9.57 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 90 | 507375 | 9.69 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 708378 | 9.84 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 62 | 426640 | 10.2 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 94 | 571424 | 9.89 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 92 | 463426 | 486.8 | |
| 58 Benzene | 78 | 5.538 | 5.538 | 0.0 | 95 | 1789993 | 9.59 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 561360 | 9.85 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 93 | 456017 | 9.76 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.249 | -0.011 | 89 | 727714 | 9.71 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 94 | 405746 | 9.72 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 90 | 231609 | 9.78 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.522 | -0.012 | 99 | 448824 | 9.72 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 91 | 204546 | 8.93 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 519852 | 9.23 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 96 | 580486 | 18.4 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 98 | 1851917 | 9.37 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 90 | 442627 | 9.53 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 87 | 332637 | 9.38 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 358203 | 9.48 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 88 | 614214 | 9.46 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 94 | 371671 | 18.0 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.945 | -0.012 | 90 | 291460 | 9.33 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 326077 | 9.61 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.502 | 0.001 | 94 | 1211955 | 9.52 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 83 | 379223 | 9.98 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 98 | 645485 | 9.73 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1652979 | 19.6 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 814187 | 10.1 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 1317278 | 10.2 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 174518 | 9.45 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 2063816 | 10.0 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 91 | 220336 | 47.8 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 426608 | 8.83 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 84 | 531159 | 9.47 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 68 | 150196 | 9.55 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 72 | 229588 | 19.8 | |
| 101 N-Propylbenzene | 120 | 9.831 | 9.831 | 0.0 | 95 | 605405 | 10.1 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 96 | 510138 | 9.51 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 80 | 1768397 | 9.86 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 554951 | 9.61 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 90 | 1541241 | 9.66 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 1818639 | 9.89 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2184154 | 9.59 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 96 | 1068866 | 9.46 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1939445 | 10.2 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 93 | 1088558 | 9.31 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 88 | 1839489 | 9.91 | |
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1648322 | 9.43 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 1000812 | 9.34 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 76 | 60163 | 8.59 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 90 | 567646 | 7.44 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 94 | 241553 | 7.45 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1132227 | 6.91 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 473905 | 7.43 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 38.1 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.9 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 29.7 | |

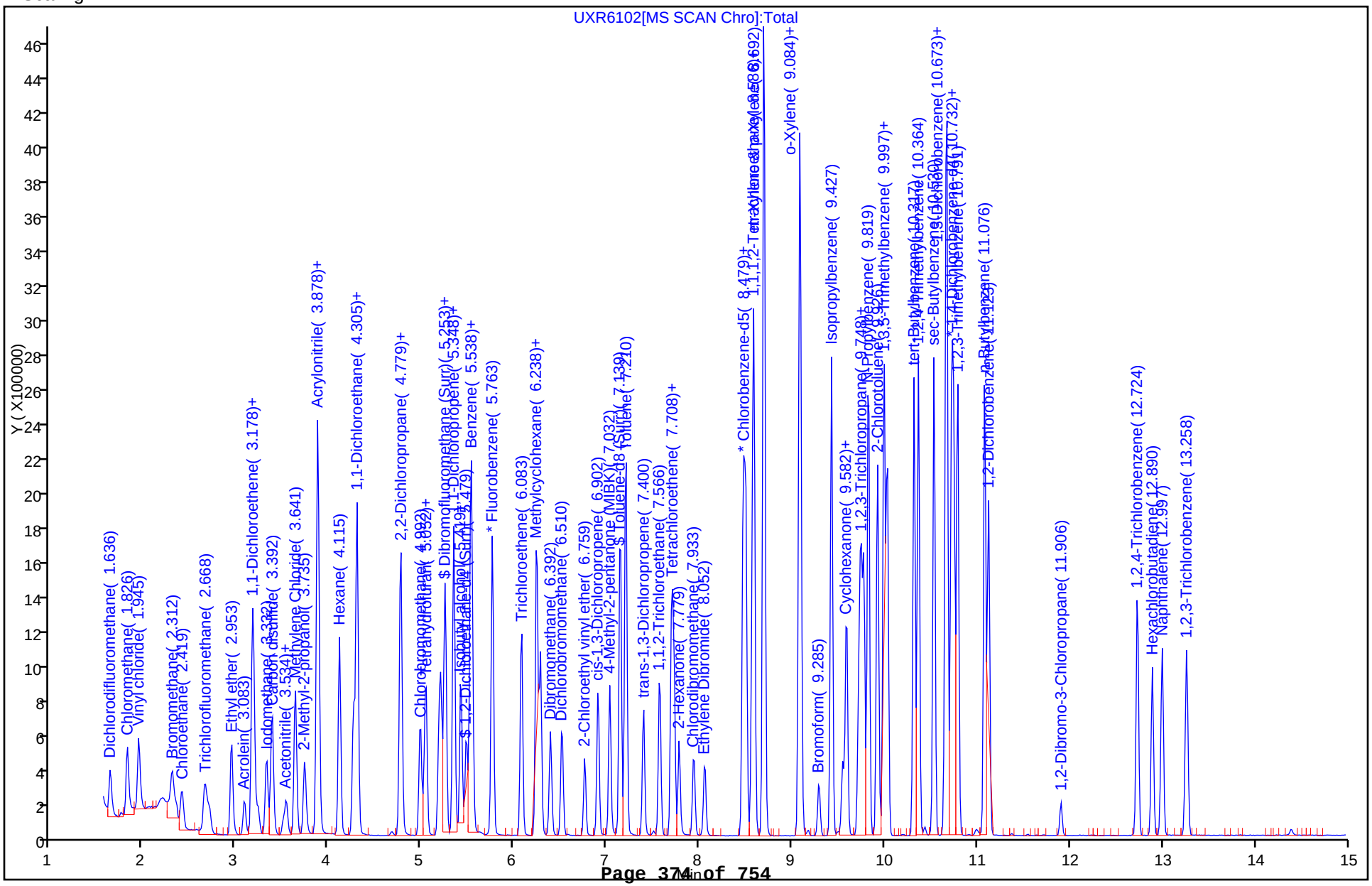
Report Date: 31-Jan-2013 11:13:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6102.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 20:47:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 14 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-73638/14 Calibration Date: 01/30/2013 20:47

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 20:24

Lab File ID: UXR6102.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Ethyl ether | Ave | 0.2138 | 0.2226 | | 10.4 | 10.0 | 4.1 | 50.0 |
| Isopropyl ether | Ave | 0.2430 | 0.2398 | | | 10.0 | -1.3 | 50.0 |
| Isobutyl alcohol | Lin1 | | 0.0073 | | 487 | 500 | -2.6 | 50.0 |
| Cyclohexanone | Ave | 0.0586 | 0.0140 | | 47.8 | 200 | -76.1* | 50.0 |
| 1,2,3-Trimethylbenzene | Ave | 2.361 | 2.338 | | 9.91 | 10.0 | -0.9 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6102.D
Lims ID: ICV Client ID:
Inject. Date: 30-Jan-2013 20:47:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016957-014
Misc. Info.:
Operator: 1904 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 73638 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m
Last Update: 31-Jan-2013 11:13:10 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: quayler Date: 31-Jan-2013 08:28:33

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1649975 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1277502 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 91 | 786641 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 60 | 310358 | 8.30 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 390502 | 8.16 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.151 | 0.0 | 92 | 1369097 | 8.26 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 89 | 526266 | 8.71 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 87 | 316607 | 10.8 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 88 | 488981 | 10.3 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 522440 | 10.8 | |
| 18 Bromomethane | 94 | 2.312 | 2.300 | 0.012 | 87 | 187291 | 9.53 | |
| 19 Chloroethane | 64 | 2.419 | 2.407 | 0.012 | 95 | 317514 | 10.4 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 84 | 342910 | 11.6 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 88 | 367228 | 10.4 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 95 | 208545 | 37.5 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 90 | 397810 | 10.5 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 79 | 262305 | 11.5 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 99 | 203949 | 18.4 | |
| 28 Iodomethane | 142 | 3.332 | 3.332 | 0.0 | 97 | 638112 | 10.5 | |
| 29 Carbon disulfide | 76 | 3.392 | 3.391 | 0.001 | 99 | 1216744 | 9.83 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 99 | 138522 | 27.6 | |
| 32 Methyl acetate | 43 | 3.546 | 3.546 | 0.0 | 97 | 258288 | 8.56 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.640 | 0.001 | 86 | 476457 | 10.2 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 93 | 461946 | 181.2 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.878 | 0.0 | 98 | 417304 | 28.2 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 1125949 | 9.58 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.890 | 0.0 | 95 | 447445 | 10.2 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 91 | 117745 | 10.5 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.269 | 0.0 | 85 | 744474 | 9.75 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 85 | 63047 | 9.10 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 80 | 395644 | 9.87 | |
| 44 2,2-Dichloropropane | 77 | 4.779 | 4.779 | 0.0 | 57 | 326729 | 9.27 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.779 | 0.0 | 69 | 459056 | 9.66 | |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.791 | 0.0 | 93 | 282174 | 16.7 | |
| 50 Chlorobromomethane | 128 | 4.992 | 4.992 | 0.0 | 86 | 212255 | 9.46 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.028 | 0.0 | 84 | 106088 | 9.81 | |
| 52 Chloroform | 83 | 5.052 | 5.052 | 0.0 | 80 | 705728 | 9.57 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 90 | 507375 | 9.69 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 708378 | 9.84 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 62 | 426640 | 10.2 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 94 | 571424 | 9.89 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 92 | 463426 | 486.8 | |
| 58 Benzene | 78 | 5.538 | 5.538 | 0.0 | 95 | 1789993 | 9.59 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 561360 | 9.85 | |
| 63 Trichloroethene | 130 | 6.083 | 6.083 | 0.0 | 93 | 456017 | 9.76 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.249 | -0.011 | 89 | 727714 | 9.71 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 94 | 405746 | 9.72 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 90 | 231609 | 9.78 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.522 | -0.012 | 99 | 448824 | 9.72 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 91 | 204546 | 8.93 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 519852 | 9.23 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 96 | 580486 | 18.4 | |
| 75 Toluene | 91 | 7.210 | 7.210 | 0.0 | 98 | 1851917 | 9.37 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 90 | 442627 | 9.53 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 87 | 332637 | 9.38 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 358203 | 9.48 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.732 | 0.0 | 88 | 614214 | 9.46 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 94 | 371671 | 18.0 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.945 | -0.012 | 90 | 291460 | 9.33 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 326077 | 9.61 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.502 | 0.001 | 94 | 1211955 | 9.52 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 83 | 379223 | 9.98 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 98 | 645485 | 9.73 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1652979 | 19.6 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 814187 | 10.1 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 1317278 | 10.2 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 174518 | 9.45 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 2063816 | 10.0 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 91 | 220336 | 47.8 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 426608 | 8.83 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 84 | 531159 | 9.47 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 68 | 150196 | 9.55 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 72 | 229588 | 19.8 | |
| 101 N-Propylbenzene | 120 | 9.831 | 9.831 | 0.0 | 95 | 605405 | 10.1 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 96 | 510138 | 9.51 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 80 | 1768397 | 9.86 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 554951 | 9.61 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 90 | 1541241 | 9.66 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 1818639 | 9.89 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2184154 | 9.59 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 96 | 1068866 | 9.46 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1939445 | 10.2 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 93 | 1088558 | 9.31 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 88 | 1839489 | 9.91 | |
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1648322 | 9.43 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 1000812 | 9.34 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 76 | 60163 | 8.59 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 90 | 567646 | 7.44 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 94 | 241553 | 7.45 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1132227 | 6.91 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 473905 | 7.43 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 38.1 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.9 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 29.7 | |

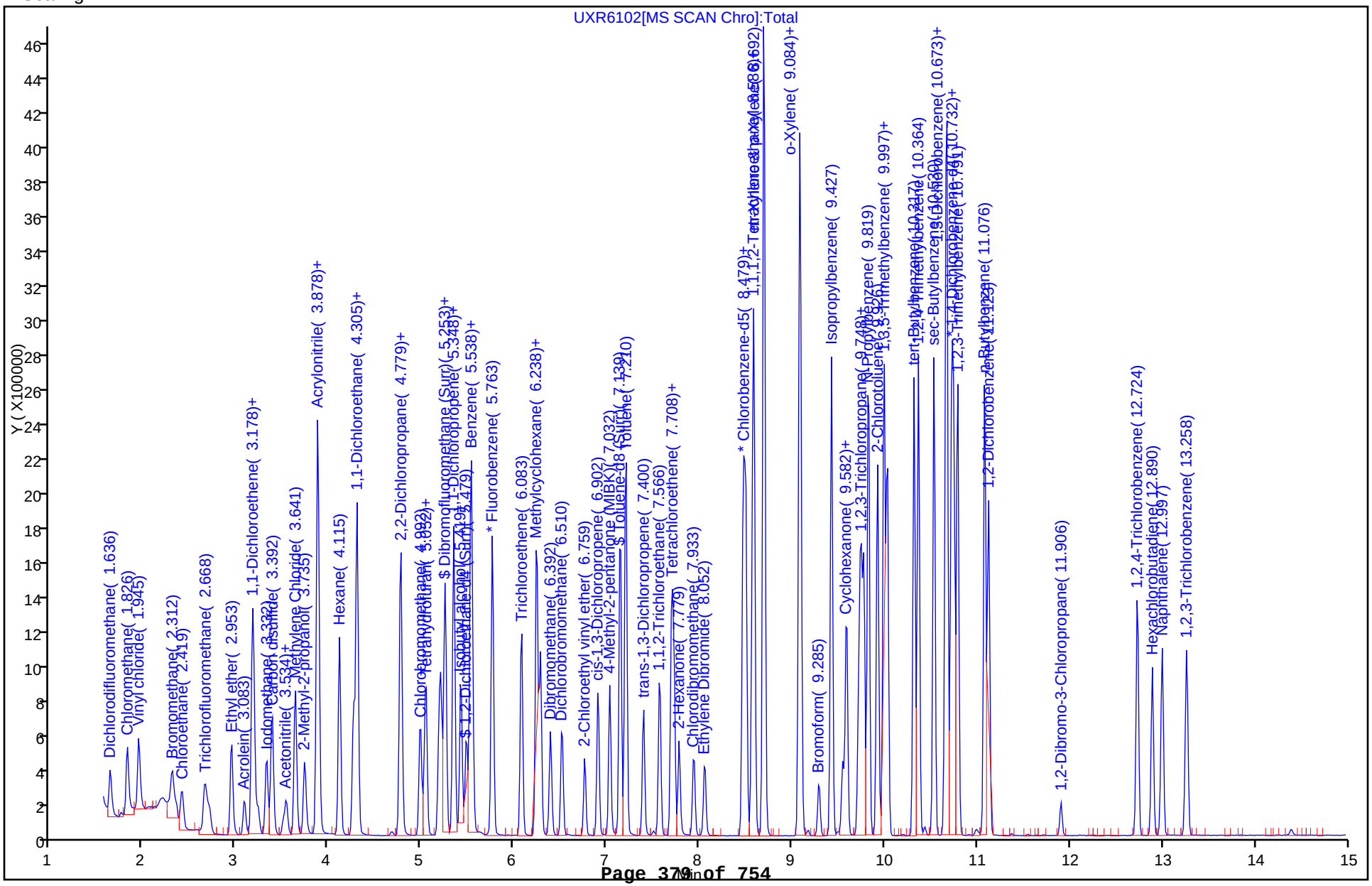
Report Date: 31-Jan-2013 11:13:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6102.D

| | | | |
|---|---|---|---|
| Injection Date: | 30-Jan-2013 20:47:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 14 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-74898/2 Calibration Date: 02/11/2013 13:20

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6293.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1781 | 0.1726 | | 9.69 | 10.0 | -3.1 | 50.0 |
| Chloromethane | Ave | 0.2871 | 0.2680 | 0.1000 | 9.33 | 10.0 | -6.7 | 50.0 |
| Vinyl chloride | Ave | 0.2940 | 0.2746 | | 9.34 | 10.0 | -6.6 | 20.0 |
| Bromomethane | Lin1 | | 0.1425 | | 12.1 | 10.0 | 20.9 | 50.0 |
| Chloroethane | Lin1 | | 0.1867 | | 10.1 | 10.0 | 1.1 | 50.0 |
| Trichlorofluoromethane | Ave | 0.1796 | 0.2758 | | 15.4 | 10.0 | 53.5* | 50.0 |
| Acrolein | Ave | 0.0337 | 0.0359 | | 106 | 100 | 6.5 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2306 | 0.2485 | | 10.8 | 10.0 | 7.7 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.1385 | 0.1828 | | 13.2 | 10.0 | 31.9 | 50.0 |
| Acetone | Qua | | 0.0654 | | 19.5 | 20.0 | -2.6 | 50.0 |
| Iodomethane | Ave | 0.3700 | 0.3548 | | 9.59 | 10.0 | -4.1 | 50.0 |
| Carbon disulfide | Ave | 0.7498 | 0.7296 | | 9.73 | 10.0 | -2.7 | 50.0 |
| Acetonitrile | Qua | | 0.0250 | | 83.6 | 100 | -16.4 | 50.0 |
| Methyl acetate | Ave | 0.1829 | 0.1664 | | 18.2 | 20.0 | -9.0 | 50.0 |
| Methylene Chloride | Lin1 | | 0.2740 | | 9.60 | 10.0 | -4.0 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0155 | 0.0119 | | 154 | 200 | -23.1 | 50.0 |
| Acrylonitrile | Ave | 0.0896 | 0.0903 | | 20.2 | 20.0 | 0.8 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7124 | 0.6300 | | 8.84 | 10.0 | -11.6 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2655 | 0.2682 | | 10.1 | 10.0 | 1.0 | 50.0 |
| Hexane | Ave | 0.0682 | 0.0675 | | 9.89 | 10.0 | -1.1 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.4628 | 0.4314 | 0.1000 | 9.32 | 10.0 | -6.8 | 50.0 |
| Vinyl acetate | Ave | 0.0420 | 0.0384 | | 9.14 | 10.0 | -8.6 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.2136 | 0.1931 | | 9.04 | 10.0 | -9.6 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2880 | 0.2768 | | 9.61 | 10.0 | -3.9 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.1023 | 0.0919 | | 18.0 | 20.0 | -10.2 | 50.0 |
| Chlorobromomethane | Ave | 0.1360 | 0.1295 | | 9.53 | 10.0 | -4.7 | 50.0 |
| Tetrahydrofuran | Lin1 | | 0.0566 | | 8.51 | 10.0 | -14.9 | 50.0 |
| Chloroform | Ave | 0.4469 | 0.4207 | | 9.41 | 10.0 | -5.9 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.3173 | 0.2881 | | 9.08 | 10.0 | -9.2 | 50.0 |
| Cyclohexane | Ave | 0.4363 | 0.4321 | | 9.90 | 10.0 | -1.0 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3501 | 0.3481 | | 9.94 | 10.0 | -0.6 | 50.0 |
| Carbon tetrachloride | Ave | 0.2544 | 0.2513 | | 9.88 | 10.0 | -1.2 | 50.0 |
| Benzene | Ave | 1.132 | 1.082 | | 9.56 | 10.0 | -4.4 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3455 | 0.3188 | | 9.23 | 10.0 | -7.7 | 50.0 |
| Trichloroethene | Ave | 0.2831 | 0.2656 | | 9.38 | 10.0 | -6.2 | 50.0 |
| Methylcyclohexane | Ave | 0.4543 | 0.4436 | | 9.77 | 10.0 | -2.3 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2530 | 0.2440 | | 9.65 | 10.0 | -3.5 | 20.0 |
| 1,4-Dioxane | Qua | | 0.0020 | | 361 | 500 | -27.9 | 50.0 |
| Dibromomethane | Ave | 0.1436 | 0.1352 | | 9.42 | 10.0 | -5.8 | 50.0 |
| Dichlorobromomethane | Ave | 0.2799 | 0.2733 | | 9.77 | 10.0 | -2.3 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-74898/2 Calibration Date: 02/11/2013 13:20

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6293.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloroethyl vinyl ether | Ave | 0.1388 | 0.1383 | | 19.9 | 20.0 | -0.4 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.3415 | 0.3252 | | 9.52 | 10.0 | -4.8 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.1909 | 0.1792 | | 18.8 | 20.0 | -6.1 | 50.0 |
| Toluene | Ave | 1.546 | 1.432 | | 9.26 | 10.0 | -7.4 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.3635 | 0.3329 | | 9.16 | 10.0 | -8.4 | 50.0 |
| Ethyl methacrylate | Ave | 0.3534 | 0.3519 | | 9.96 | 10.0 | -0.4 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2776 | 0.2631 | | 9.48 | 10.0 | -5.2 | 50.0 |
| Tetrachloroethene | Ave | 0.2958 | 0.2756 | | 9.32 | 10.0 | -6.8 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5084 | 0.4842 | | 9.52 | 10.0 | -4.8 | 50.0 |
| 2-Hexanone | Ave | 0.1620 | 0.1536 | | 19.0 | 20.0 | -5.2 | 50.0 |
| Chlorodibromomethane | Ave | 0.2446 | 0.2451 | | 10.0 | 10.0 | 0.2 | 50.0 |
| Ethylene Dibromide | Ave | 0.2655 | 0.2535 | | 9.55 | 10.0 | -4.5 | 50.0 |
| Chlorobenzene | Ave | 0.997 | 0.9278 | 0.3000 | 9.31 | 10.0 | -6.9 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2975 | 0.2819 | | 9.48 | 10.0 | -5.2 | 50.0 |
| Ethylbenzene | Ave | 0.5192 | 0.4859 | | 9.36 | 10.0 | -6.4 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.6615 | 0.6395 | | 19.3 | 20.0 | -3.3 | 50.0 |
| o-Xylene | Ave | 0.6308 | 0.5912 | | 9.37 | 10.0 | -6.3 | 50.0 |
| Styrene | Ave | 1.010 | 0.9865 | | 9.77 | 10.0 | -2.3 | 50.0 |
| Bromoform | Ave | 0.1445 | 0.1451 | 0.1000 | 10.0 | 10.0 | 0.4 | 50.0 |
| Isopropylbenzene | Ave | 1.611 | 1.514 | | 9.40 | 10.0 | -6.0 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6145 | 0.5800 | 0.3000 | 9.44 | 10.0 | -5.6 | 50.0 |
| Bromobenzene | Ave | 0.7132 | 0.6515 | | 9.13 | 10.0 | -8.7 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.1999 | 0.1884 | | 9.42 | 10.0 | -5.8 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.1476 | 0.1404 | | 9.51 | 10.0 | -4.9 | 50.0 |
| N-Propylbenzene | Ave | 0.7611 | 0.7223 | | 9.49 | 10.0 | -5.1 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6820 | 0.6379 | | 9.35 | 10.0 | -6.5 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.279 | 2.175 | | 9.54 | 10.0 | -4.6 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7338 | 0.6935 | | 9.45 | 10.0 | -5.5 | 50.0 |
| tert-Butylbenzene | Ave | 2.028 | 1.858 | | 9.16 | 10.0 | -8.4 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.338 | 2.245 | | 9.60 | 10.0 | -4.0 | 50.0 |
| sec-Butylbenzene | Ave | 2.895 | 2.672 | | 9.23 | 10.0 | -7.7 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.436 | 1.305 | | 9.09 | 10.0 | -9.1 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.420 | 2.292 | | 9.47 | 10.0 | -5.3 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.486 | 1.353 | | 9.11 | 10.0 | -8.9 | 50.0 |
| n-Butylbenzene | Ave | 2.222 | 1.942 | | 8.74 | 10.0 | -12.6 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.362 | 1.240 | | 9.10 | 10.0 | -9.0 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.0891 | 0.0731 | | 8.21 | 10.0 | -17.9 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 1.047 | 0.8780 | | 8.38 | 10.0 | -16.2 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.9704 | 0.6894 | | 7.10 | 10.0 | -29.0 | 50.0 |
| Hexachlorobutadiene | Qua | | 0.3195 | | 7.78 | 10.0 | -22.2 | 50.0 |
| Naphthalene | Ave | 2.082 | 1.322 | | 6.35 | 10.0 | -36.5 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-74898/2  Calibration Date: 02/11/2013 13:20

Instrument ID: A3UX17  Calib Start Date: 01/30/2013 16:19

GC Column: DB-624  ID: 0.18(mm)  Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6293.D  Conc. Units: ug/L  Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | Lin1 | | 0.5795 | | 7.14 | 10.0 | -28.6 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2265 | 0.2130 | | 8.38 | 8.91 | -6.0 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2902 | 0.2596 | | 7.97 | 8.91 | -10.5 | 50.0 |
| Toluene-d8 (Surr) | Ave | 1.298 | 1.201 | | 8.24 | 8.91 | -7.5 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4730 | 0.4280 | | 8.06 | 8.91 | -9.5 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6293.D | | |
| Lims ID: | CCVIS L4 8260 | Client ID: | |
| Inject. Date: | 11-Feb-2013 13:20:30 | Dil. Factor: | 1.0000 |
| Sample Type: | CCVIS | | |
| Sample ID: | 240-0017265-002 | | |
| Misc. Info.: | | | |
| Operator: | 1644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 2 |
| Sublist: | chrom-8260_17*sub1 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m | | |
| Last Update: | 12-Feb-2013 09:53:41 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK008 | | |
| First Level Reviewer: williamsla | | Date: | 11-Feb-2013 14:34:54 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1721951 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.467 | 0.0 | 86 | 1374517 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 71 | 822238 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 326828 | 8.38 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 398335 | 7.97 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.139 | 0.0 | 92 | 1470567 | 8.24 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 524183 | 8.06 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 87 | 297162 | 9.69 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 88 | 461453 | 9.33 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 472790 | 9.34 | |
| 18 Bromomethane | 94 | 2.301 | 2.301 | 0.0 | 90 | 245420 | 12.1 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 321422 | 10.1 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 99 | 474884 | 15.4 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 96 | 618303 | 106.5 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 98 | 427815 | 10.8 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 90 | 314737 | 13.2 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 97 | 225134 | 19.5 | |
| 28 Iodomethane | 142 | 3.320 | 3.320 | 0.0 | 97 | 610863 | 9.59 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.380 | 0.0 | 99 | 1256377 | 9.73 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 99 | 430140 | 83.6 | |
| 32 Methyl acetate | 43 | 3.534 | 3.534 | 0.0 | 97 | 572956 | 18.2 | |
| 33 Methylene Chloride | 84 | 3.629 | 3.629 | 0.0 | 87 | 471837 | 9.60 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 95 | 409105 | 153.7 | |
| 36 Acrylonitrile | 53 | 3.866 | 3.866 | 0.0 | 97 | 310988 | 20.2 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 1084787 | 8.84 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.878 | 0.0 | 94 | 461832 | 10.1 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 116170 | 9.89 | |
| 39 1,1-Dichloroethane | 63 | 4.257 | 4.257 | 0.0 | 85 | 742861 | 9.32 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 97 | 66047 | 9.14 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.767 | 0.0 | 56 | 332529 | 9.04 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.767 | 4.767 | 0.0 | 70 | 476577 | 9.61 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 316354 | 18.0 | |
| 50 Chlorobromomethane | 128 | 4.981 | 4.981 | 0.0 | 81 | 223065 | 9.53 | |
| 51 Tetrahydrofuran | 42 | 5.016 | 5.016 | 0.0 | 95 | 97441 | 8.51 | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 80 | 724438 | 9.41 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 93 | 496129 | 9.08 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 87 | 744033 | 9.90 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 66 | 432658 | 9.88 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 95 | 599349 | 9.94 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 95 | 1863732 | 9.56 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 90 | 548904 | 9.23 | |
| 63 Trichloroethene | 130 | 6.072 | 6.072 | 0.0 | 95 | 457373 | 9.38 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.238 | 0.0 | 88 | 763928 | 9.77 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 94 | 420199 | 9.65 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 88 | 232873 | 9.42 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 58 | 170645 | 360.5 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 470596 | 9.77 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 91 | 476108 | 19.9 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 559947 | 9.52 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 617234 | 18.8 | |
| 75 Toluene | 91 | 7.198 | 7.198 | 0.0 | 98 | 1968633 | 9.26 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 87 | 457538 | 9.16 | |
| 77 Ethyl methacrylate | 69 | 7.447 | 7.447 | 0.0 | 87 | 483654 | 9.96 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 86 | 361582 | 9.48 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 378805 | 9.32 | |
| 81 1,3-Dichloropropane | 76 | 7.720 | 7.720 | 0.0 | 90 | 665542 | 9.52 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 422113 | 19.0 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 88 | 336885 | 10.0 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 348500 | 9.55 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.503 | 0.0 | 96 | 1275290 | 9.31 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 84 | 387490 | 9.48 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.586 | 0.0 | 98 | 667840 | 9.36 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1757885 | 19.3 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 92 | 812555 | 9.37 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 1356022 | 9.77 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 199424 | 10.0 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 2081059 | 9.40 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 476917 | 9.44 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 85 | 535663 | 9.13 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 70 | 154889 | 9.42 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 54 | 115457 | 9.51 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 96 | 593908 | 9.49 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.926 | 0.0 | 97 | 524469 | 9.35 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 81 | 1788647 | 9.54 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 97 | 570240 | 9.45 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 1527491 | 9.16 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 1845893 | 9.60 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2196960 | 9.23 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 98 | 1072918 | 9.09 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1884513 | 9.47 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 93 | 1112597 | 9.11 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1596392 | 8.74 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 1019439 | 9.10 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 72 | 60126 | 8.21 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.108 | 12.108 | 0.0 | 97 | 721942 | 8.38 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 92 | 566854 | 7.10 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 92 | 262662 | 7.78 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1087106 | 6.35 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 98 | 476514 | 7.14 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 39.2 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.7 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 18.7 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 28.7 | |

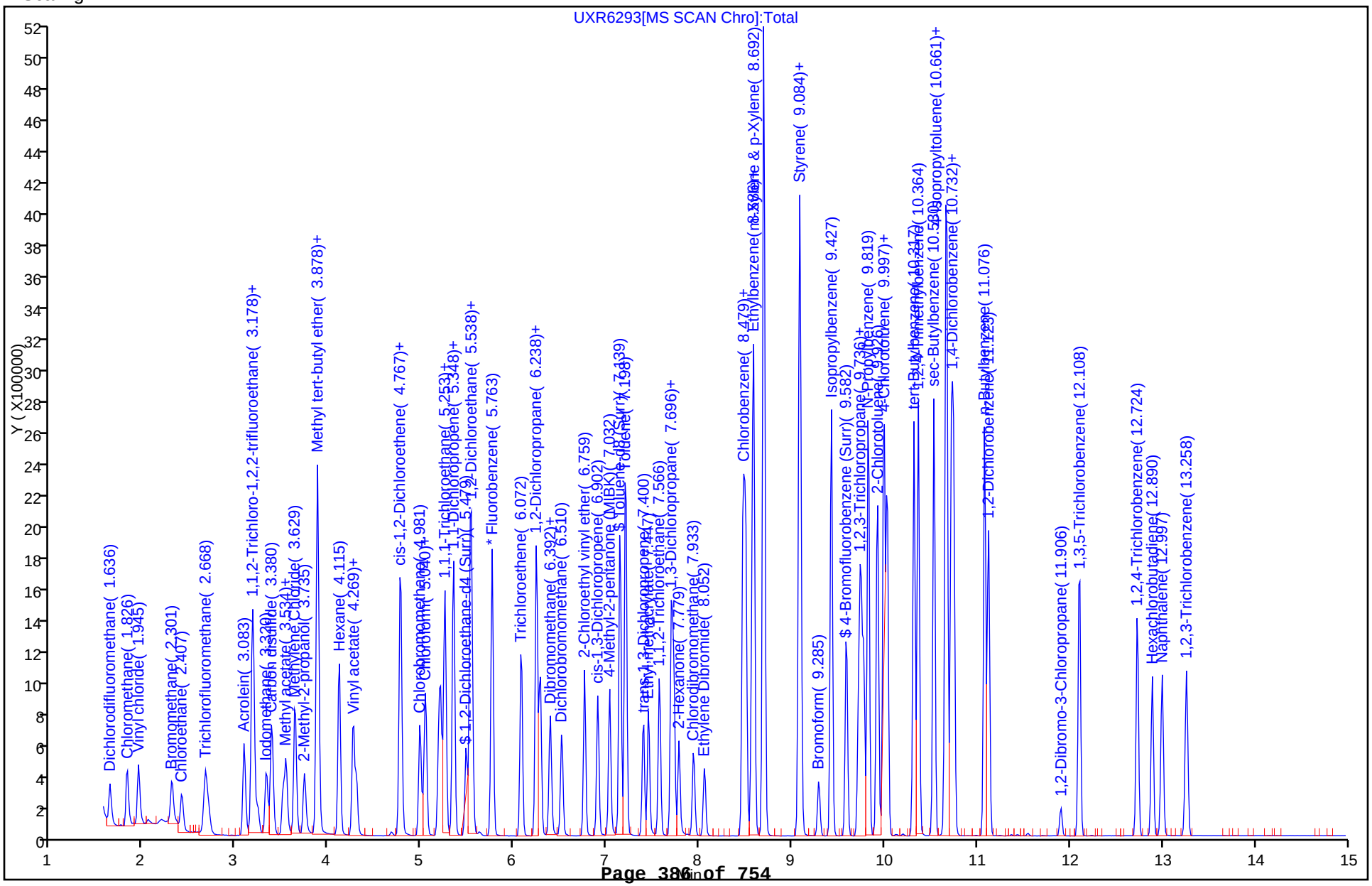
Report Date: 12-Feb-2013 09:53:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6293.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 13:20:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 2 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-75030/2 Calibration Date: 02/12/2013 14:25

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6319.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1781 | 0.1641 | | 9.21 | 10.0 | -7.9 | 50.0 |
| Chloromethane | Ave | 0.2871 | 0.2835 | 0.1000 | 9.87 | 10.0 | -1.3 | 50.0 |
| Vinyl chloride | Ave | 0.2940 | 0.2961 | | 10.1 | 10.0 | 0.7 | 20.0 |
| Bromomethane | Lin1 | | 0.1472 | | 12.5 | 10.0 | 25.0 | 50.0 |
| Chloroethane | Lin1 | | 0.1935 | | 10.5 | 10.0 | 4.9 | 50.0 |
| Trichlorofluoromethane | Ave | 0.1796 | 0.2795 | | 15.6 | 10.0 | 55.6* | 50.0 |
| Acrolein | Ave | 0.0337 | 0.0356 | | 105 | 100 | 5.4 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2306 | 0.2482 | | 10.8 | 10.0 | 7.6 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.1385 | 0.1863 | | 13.4 | 10.0 | 34.5 | 50.0 |
| Acetone | Qua | | 0.0673 | | 20.0 | 20.0 | 0.2 | 50.0 |
| Iodomethane | Ave | 0.3700 | 0.3621 | | 9.79 | 10.0 | -2.1 | 50.0 |
| Carbon disulfide | Ave | 0.7498 | 0.7479 | | 9.97 | 10.0 | -0.3 | 50.0 |
| Acetonitrile | Qua | | 0.0260 | | 87.0 | 100 | -13.0 | 50.0 |
| Methyl acetate | Ave | 0.1829 | 0.1792 | | 19.6 | 20.0 | -2.0 | 50.0 |
| Methylene Chloride | Lin1 | | 0.2938 | | 10.4 | 10.0 | 3.7 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0155 | 0.0120 | | 155 | 200 | -22.7 | 50.0 |
| Acrylonitrile | Ave | 0.0896 | 0.0939 | | 21.0 | 20.0 | 4.8 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7124 | 0.6415 | | 9.00 | 10.0 | -10.0 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2655 | 0.2753 | | 10.4 | 10.0 | 3.7 | 50.0 |
| Hexane | Ave | 0.0682 | 0.0656 | | 9.62 | 10.0 | -3.8 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.4628 | 0.4553 | 0.1000 | 9.84 | 10.0 | -1.6 | 50.0 |
| Vinyl acetate | Ave | 0.0420 | 0.0288 | | 6.87 | 10.0 | -31.3 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.2136 | 0.1870 | | 8.75 | 10.0 | -12.5 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2880 | 0.2880 | | 10.0 | 10.0 | 0.0 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.1023 | 0.0964 | | 18.8 | 20.0 | -5.8 | 50.0 |
| Chlorobromomethane | Ave | 0.1360 | 0.1372 | | 10.1 | 10.0 | 0.9 | 50.0 |
| Tetrahydrofuran | Lin1 | | 0.0577 | | 8.69 | 10.0 | -13.1 | 50.0 |
| Chloroform | Ave | 0.4469 | 0.4375 | | 9.79 | 10.0 | -2.1 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.3173 | 0.2996 | | 9.44 | 10.0 | -5.6 | 50.0 |
| Cyclohexane | Ave | 0.4363 | 0.4363 | | 10.0 | 10.0 | -0.0 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3501 | 0.3588 | | 10.2 | 10.0 | 2.5 | 50.0 |
| Carbon tetrachloride | Ave | 0.2544 | 0.2630 | | 10.3 | 10.0 | 3.4 | 50.0 |
| Benzene | Ave | 1.132 | 1.127 | | 9.96 | 10.0 | -0.4 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3455 | 0.3382 | | 9.79 | 10.0 | -2.1 | 50.0 |
| Trichloroethene | Ave | 0.2831 | 0.2736 | | 9.66 | 10.0 | -3.4 | 50.0 |
| Methylcyclohexane | Ave | 0.4543 | 0.4444 | | 9.78 | 10.0 | -2.2 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2530 | 0.2519 | | 9.96 | 10.0 | -0.4 | 20.0 |
| 1,4-Dioxane | Qua | | 0.0021 | | 373 | 500 | -25.4 | 50.0 |
| Dibromomethane | Ave | 0.1436 | 0.1452 | | 10.1 | 10.0 | 1.1 | 50.0 |
| Dichlorobromomethane | Ave | 0.2799 | 0.2789 | | 9.97 | 10.0 | -0.3 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-75030/2 Calibration Date: 02/12/2013 14:25

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6319.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloroethyl vinyl ether | Ave | 0.1388 | 0.1388 | | 20.0 | 20.0 | 0.0 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.3415 | 0.3303 | | 9.67 | 10.0 | -3.3 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.1909 | 0.1835 | | 19.2 | 20.0 | -3.9 | 50.0 |
| Toluene | Ave | 1.546 | 1.511 | | 9.77 | 10.0 | -2.3 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.3635 | 0.3406 | | 9.37 | 10.0 | -6.3 | 50.0 |
| Ethyl methacrylate | Ave | 0.3534 | 0.3371 | | 9.54 | 10.0 | -4.6 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2776 | 0.2774 | | 9.99 | 10.0 | -0.0 | 50.0 |
| Tetrachloroethene | Ave | 0.2958 | 0.2806 | | 9.48 | 10.0 | -5.2 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5084 | 0.5167 | | 10.2 | 10.0 | 1.6 | 50.0 |
| 2-Hexanone | Ave | 0.1620 | 0.1563 | | 19.3 | 20.0 | -3.5 | 50.0 |
| Chlorodibromomethane | Ave | 0.2446 | 0.2504 | | 10.2 | 10.0 | 2.4 | 50.0 |
| Ethylene Dibromide | Ave | 0.2655 | 0.2640 | | 9.94 | 10.0 | -0.6 | 50.0 |
| Chlorobenzene | Ave | 0.997 | 0.9609 | 0.3000 | 9.64 | 10.0 | -3.6 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2975 | 0.2912 | | 9.79 | 10.0 | -2.1 | 50.0 |
| Ethylbenzene | Ave | 0.5192 | 0.5127 | | 9.88 | 10.0 | -1.2 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.6615 | 0.6630 | | 20.0 | 20.0 | 0.2 | 50.0 |
| o-Xylene | Ave | 0.6308 | 0.6189 | | 9.81 | 10.0 | -1.9 | 50.0 |
| Styrene | Ave | 1.010 | 1.032 | | 10.2 | 10.0 | 2.2 | 50.0 |
| Bromoform | Ave | 0.1445 | 0.1482 | 0.1000 | 10.3 | 10.0 | 2.6 | 50.0 |
| Isopropylbenzene | Ave | 1.611 | 1.570 | | 9.74 | 10.0 | -2.6 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6145 | 0.5994 | 0.3000 | 9.75 | 10.0 | -2.5 | 50.0 |
| Bromobenzene | Ave | 0.7132 | 0.6822 | | 9.57 | 10.0 | -4.3 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.1999 | 0.1948 | | 9.75 | 10.0 | -2.5 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.1476 | 0.1518 | | 10.3 | 10.0 | 2.8 | 50.0 |
| N-Propylbenzene | Ave | 0.7611 | 0.7495 | | 9.85 | 10.0 | -1.5 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6820 | 0.6539 | | 9.59 | 10.0 | -4.1 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.279 | 2.263 | | 9.93 | 10.0 | -0.7 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7338 | 0.7059 | | 9.62 | 10.0 | -3.8 | 50.0 |
| tert-Butylbenzene | Ave | 2.028 | 1.943 | | 9.58 | 10.0 | -4.2 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.338 | 2.302 | | 9.84 | 10.0 | -1.6 | 50.0 |
| sec-Butylbenzene | Ave | 2.895 | 2.758 | | 9.53 | 10.0 | -4.7 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.436 | 1.355 | | 9.43 | 10.0 | -5.7 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.420 | 2.332 | | 9.63 | 10.0 | -3.7 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.486 | 1.394 | | 9.38 | 10.0 | -6.2 | 50.0 |
| n-Butylbenzene | Ave | 2.222 | 2.004 | | 9.02 | 10.0 | -9.8 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.362 | 1.275 | | 9.36 | 10.0 | -6.4 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.0891 | 0.0739 | | 8.29 | 10.0 | -17.1 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 1.047 | 0.8887 | | 8.49 | 10.0 | -15.1 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.9704 | 0.6979 | | 7.19 | 10.0 | -28.1 | 50.0 |
| Hexachlorobutadiene | Qua | | 0.3259 | | 7.96 | 10.0 | -20.4 | 50.0 |
| Naphthalene | Ave | 2.082 | 1.372 | | 6.59 | 10.0 | -34.1 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-75030/2 Calibration Date: 02/12/2013 14:25

Instrument ID: A3UX17 Calib Start Date: 01/30/2013 16:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/30/2013 18:11

Lab File ID: UXR6319.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | Lin1 | | 0.5832 | | 7.18 | 10.0 | -28.2 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2265 | 0.2234 | | 8.79 | 8.91 | -1.4 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2902 | 0.2769 | | 8.50 | 8.91 | -4.6 | 50.0 |
| Toluene-d8 (Surr) | Ave | 1.298 | 1.264 | | 8.68 | 8.91 | -2.6 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4730 | 0.4448 | | 8.38 | 8.91 | -6.0 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6319.D | | |
| Lims ID: | CCVIS L4 8260 | Client ID: | |
| Inject. Date: | 12-Feb-2013 14:25:30 | Dil. Factor: | 1.0000 |
| Sample Type: | CCVIS | | |
| Sample ID: | 240-0017290-002 | | |
| Misc. Info.: | | | |
| Operator: | 1644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 2 |
| Sublist: | chrom-8260_17*sub1 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m | | |
| Last Update: | 13-Feb-2013 09:51:18 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK034 | | |
| First Level Reviewer: williamsla | | Date: | 12-Feb-2013 13:13:18 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1616347 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.467 | 0.0 | 86 | 1287191 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 70 | 765580 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 60 | 321688 | 8.79 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 398770 | 8.50 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.139 | 0.0 | 89 | 1450185 | 8.68 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 92 | 510151 | 8.38 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 87 | 265174 | 9.21 | |
| 15 Chloromethane | 50 | 1.814 | 1.814 | 0.0 | 89 | 458263 | 9.87 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 478604 | 10.1 | |
| 18 Bromomethane | 94 | 2.300 | 2.300 | 0.0 | 89 | 237920 | 12.5 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 312676 | 10.5 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 86 | 451759 | 15.6 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 96 | 574636 | 105.4 | |
| 25 1,1-Dichloroethene | 96 | 3.166 | 3.166 | 0.0 | 90 | 401106 | 10.8 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.178 | 3.178 | 0.0 | 80 | 301047 | 13.4 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 98 | 217484 | 20.0 | |
| 28 Iodomethane | 142 | 3.320 | 3.320 | 0.0 | 97 | 585248 | 9.79 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.380 | 0.0 | 99 | 1208901 | 9.97 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 98 | 419404 | 87.0 | |
| 32 Methyl acetate | 43 | 3.534 | 3.534 | 0.0 | 97 | 579391 | 19.6 | |
| 33 Methylene Chloride | 84 | 3.629 | 3.629 | 0.0 | 87 | 474819 | 10.4 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 90 | 386357 | 154.7 | |
| 36 Acrylonitrile | 53 | 3.866 | 3.866 | 0.0 | 93 | 303416 | 21.0 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 1036924 | 9.00 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.878 | 0.0 | 96 | 445025 | 10.4 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 105999 | 9.62 | |
| 39 1,1-Dichloroethane | 63 | 4.257 | 4.257 | 0.0 | 85 | 735870 | 9.84 | |
| 40 Vinyl acetate | 86 | 4.293 | 4.293 | 0.0 | 97 | 46593 | 6.87 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.767 | 0.0 | 56 | 302226 | 8.75 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.767 | 4.767 | 0.0 | 70 | 465574 | 10.0 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 311532 | 18.8 | |
| 50 Chlorobromomethane | 128 | 4.980 | 4.980 | 0.0 | 92 | 221814 | 10.1 | |
| 51 Tetrahydrofuran | 42 | 5.016 | 5.016 | 0.0 | 96 | 93204 | 8.69 | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 80 | 707213 | 9.79 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 87 | 484282 | 9.44 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 87 | 705141 | 10.0 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 95 | 579902 | 10.2 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 67 | 425042 | 10.3 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 95 | 1821231 | 9.96 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 546719 | 9.79 | |
| 63 Trichloroethene | 130 | 6.071 | 6.071 | 0.0 | 95 | 442165 | 9.66 | |
| 65 Methylcyclohexane | 83 | 6.237 | 6.237 | 0.0 | 88 | 718217 | 9.78 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 91 | 407213 | 9.96 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 89 | 234663 | 10.1 | |
| 68 1,4-Dioxane | 88 | 6.392 | 6.392 | 0.0 | 56 | 165399 | 372.8 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 450839 | 9.97 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 90 | 448823 | 20.0 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 533795 | 9.67 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 593173 | 19.2 | |
| 75 Toluene | 91 | 7.198 | 7.198 | 0.0 | 98 | 1944743 | 9.77 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 88 | 438407 | 9.37 | |
| 77 Ethyl methacrylate | 69 | 7.447 | 7.447 | 0.0 | 86 | 433938 | 9.54 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 86 | 357095 | 10.0 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 361158 | 9.48 | |
| 81 1,3-Dichloropropane | 76 | 7.720 | 7.720 | 0.0 | 91 | 665075 | 10.2 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 94 | 402438 | 19.3 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 88 | 322355 | 10.2 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 339810 | 9.94 | |
| 87 Chlorobenzene | 112 | 8.502 | 8.502 | 0.0 | 95 | 1236916 | 9.64 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 89 | 374765 | 9.79 | |
| 89 Ethylbenzene | 106 | 8.585 | 8.585 | 0.0 | 98 | 659987 | 9.88 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1706880 | 20.0 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 796693 | 9.81 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 1327774 | 10.2 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 190775 | 10.3 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 2020604 | 9.74 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 76 | 458880 | 9.75 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 76 | 522297 | 9.57 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 66 | 116213 | 10.3 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 70 | 149138 | 9.75 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 96 | 573769 | 9.85 | |
| 102 2-Chlorotoluene | 126 | 9.925 | 9.925 | 0.0 | 97 | 500596 | 9.59 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 81 | 1732873 | 9.93 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 540443 | 9.62 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 1487650 | 9.58 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 85 | 1761982 | 9.84 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2111628 | 9.53 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 98 | 1037144 | 9.43 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1784985 | 9.63 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 1067320 | 9.38 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1533976 | 9.02 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 975887 | 9.36 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 75 | 56546 | 8.29 | |
| 115 1,3,5-Trichlorobenzene | 180 | 12.107 | 12.107 | 0.0 | 97 | 680349 | 8.49 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 91 | 534311 | 7.19 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 92 | 249527 | 7.96 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1050229 | 6.59 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 446475 | 7.18 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 40.3 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 20.4 | |
| S 123 1,3-Dichloropropene, Total | 75 | | | | 0 | | 19.0 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 29.9 | |

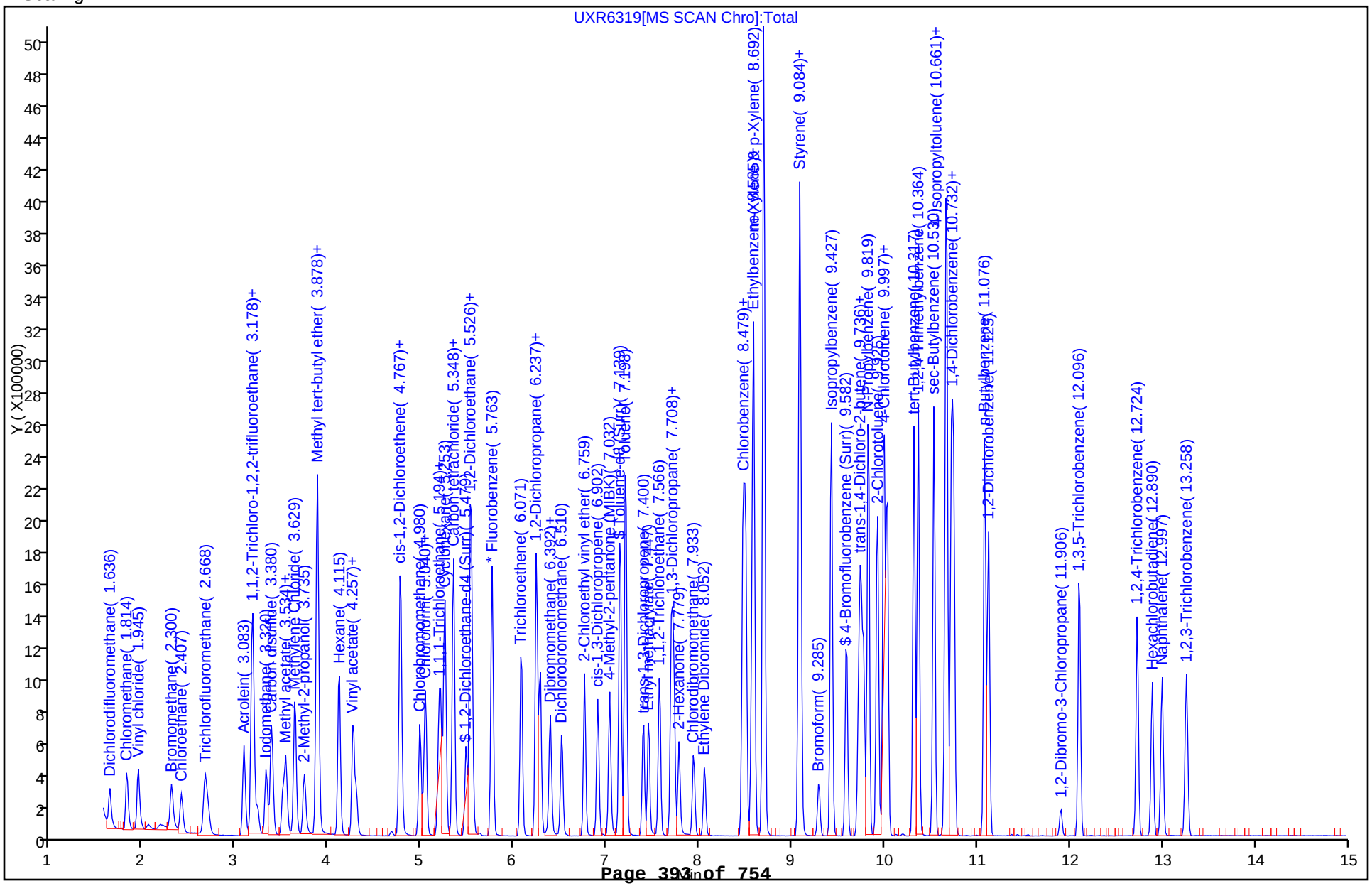
Report Date: 13-Feb-2013 09:51:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6319.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 14:25:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 2 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-74529/18 Calibration Date: 02/07/2013 01:04

Instrument ID: A3UX8 Calib Start Date: 02/06/2013 19:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/06/2013 22:14

Lab File ID: UX83273.D Conc. Units: ug/L Heated Purge: (Y/N) Y

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1346 | 0.1302 | | 24.2 | 25.0 | -3.3 | 50.0 |
| Chloromethane | Ave | 0.2721 | 0.2824 | 0.1000 | 26.0 | 25.0 | 3.8 | 50.0 |
| Vinyl chloride | Ave | 0.1695 | 0.1649 | | 24.3 | 25.0 | -2.7 | 20.0 |
| Bromomethane | Ave | 0.0891 | 0.0836 | | 23.4 | 25.0 | -6.2 | 50.0 |
| Chloroethane | Ave | 0.1078 | 0.1051 | | 24.4 | 25.0 | -2.5 | 50.0 |
| Trichlorofluoromethane | Ave | 0.2281 | 0.2451 | | 26.9 | 25.0 | 7.4 | 50.0 |
| Acrolein | Ave | 0.0603 | 0.0682 | | 84.8 | 75.0 | 13.1 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.1747 | 0.1718 | | 24.6 | 25.0 | -1.6 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.1418 | 0.1332 | | 23.5 | 25.0 | -6.1 | 50.0 |
| Acetone | Ave | 0.1479 | 0.1625 | | 54.9 | 50.0 | 9.9 | 50.0 |
| Iodomethane | Ave | 0.3478 | 0.3588 | | 25.8 | 25.0 | 3.2 | 50.0 |
| Carbon disulfide | Ave | 0.4901 | 0.4845 | | 24.7 | 25.0 | -1.2 | 50.0 |
| Acetonitrile | Ave | 0.0537 | 0.0551 | | 77.0 | 75.0 | 2.7 | 50.0 |
| Methyl acetate | Ave | 0.3264 | 0.3380 | | 25.9 | 25.0 | 3.5 | 50.0 |
| Methylene Chloride | Lin1 | | 0.2522 | | 26.5 | 25.0 | 6.0 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0273 | 0.0256 | | 469 | 500 | -6.2 | 50.0 |
| Acrylonitrile | Ave | 0.1416 | 0.1455 | | 77.1 | 75.0 | 2.8 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.6333 | 0.6521 | | 25.7 | 25.0 | 3.0 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2135 | 0.2075 | | 24.3 | 25.0 | -2.8 | 50.0 |
| Hexane | Ave | 0.0575 | 0.0517 | | 22.5 | 25.0 | -10.1 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4173 | 0.4164 | 0.1000 | 24.9 | 25.0 | -0.2 | 50.0 |
| Vinyl acetate | Ave | 0.0494 | 0.0440 | | 22.3 | 25.0 | -11.0 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.2068 | 0.2046 | | 49.5 | 50.0 | -1.1 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2427 | 0.2391 | | 24.6 | 25.0 | -1.5 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.1685 | 0.1628 | | 24.2 | 25.0 | -3.4 | 50.0 |
| Chlorobromomethane | Ave | 0.1327 | 0.1316 | | 24.8 | 25.0 | -0.9 | 50.0 |
| Tetrahydrofuran | Ave | 0.1391 | 0.1313 | | 23.6 | 25.0 | -5.6 | 50.0 |
| Chloroform | Ave | 0.3752 | 0.3708 | | 24.7 | 25.0 | -1.2 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.2785 | 0.2806 | | 25.2 | 25.0 | 0.8 | 50.0 |
| Cyclohexane | Ave | 0.4638 | 0.4115 | | 22.2 | 25.0 | -11.3 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.2698 | 0.2524 | | 23.4 | 25.0 | -6.4 | 50.0 |
| Carbon tetrachloride | Ave | 0.2606 | 0.2529 | | 24.3 | 25.0 | -3.0 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3776 | 0.3796 | | 25.1 | 25.0 | 0.5 | 50.0 |
| Benzene | Ave | 0.8327 | 0.8147 | | 24.5 | 25.0 | -2.2 | 50.0 |
| Trichloroethene | Ave | 0.2486 | 0.2365 | | 23.8 | 25.0 | -4.9 | 50.0 |
| Methylcyclohexane | Ave | 0.3583 | 0.3222 | | 22.5 | 25.0 | -10.1 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2351 | 0.2362 | | 25.1 | 25.0 | 0.5 | 20.0 |
| Dibromomethane | Ave | 0.1365 | 0.1417 | | 26.0 | 25.0 | 3.8 | 50.0 |
| Dichlorobromomethane | Ave | 0.2543 | 0.2626 | | 25.8 | 25.0 | 3.3 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.0491 | 0.0452 | | 23.0 | 25.0 | -8.0 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-74529/18 Calibration Date: 02/07/2013 01:04

Instrument ID: A3UX8 Calib Start Date: 02/06/2013 19:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/06/2013 22:14

Lab File ID: UX83273.D Conc. Units: ug/L Heated Purge: (Y/N) Y

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | Ave | 0.2859 | 0.2830 | | 24.7 | 25.0 | -1.0 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.3691 | 0.3874 | | 52.5 | 50.0 | 4.9 | 50.0 |
| Toluene | Ave | 1.278 | 1.227 | | 24.0 | 25.0 | -4.0 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.3635 | 0.3439 | | 23.7 | 25.0 | -5.4 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2629 | 0.2745 | | 26.1 | 25.0 | 4.4 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.4439 | 0.4520 | | 25.5 | 25.0 | 1.8 | 50.0 |
| Tetrachloroethene | Ave | 0.2581 | 0.2381 | | 23.1 | 25.0 | -7.8 | 50.0 |
| 2-Hexanone | Ave | 0.3533 | 0.3552 | | 50.3 | 50.0 | 0.6 | 50.0 |
| Chlorodibromomethane | Ave | 0.2866 | 0.2844 | | 24.8 | 25.0 | -0.8 | 50.0 |
| Ethylene Dibromide | Ave | 0.2729 | 0.2819 | | 25.8 | 25.0 | 3.3 | 50.0 |
| Chlorobenzene | Ave | 0.8795 | 0.8238 | 0.3000 | 23.4 | 25.0 | -6.3 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2873 | 0.2823 | | 24.6 | 25.0 | -1.7 | 50.0 |
| Ethylbenzene | Ave | 0.4503 | 0.4152 | | 23.0 | 25.0 | -7.8 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.5333 | 0.5029 | | 47.2 | 50.0 | -5.7 | 50.0 |
| o-Xylene | Ave | 0.4992 | 0.4923 | | 24.7 | 25.0 | -1.4 | 50.0 |
| Styrene | Ave | 0.8212 | 0.8218 | | 25.0 | 25.0 | 0.0 | 50.0 |
| Bromoform | Ave | 0.1703 | 0.1578 | 0.1000 | 23.2 | 25.0 | -7.4 | 50.0 |
| Isopropylbenzene | Ave | 1.280 | 1.215 | | 23.7 | 25.0 | -5.1 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6266 | 0.5993 | 0.3000 | 23.9 | 25.0 | -4.4 | 50.0 |
| Bromobenzene | Ave | 0.7769 | 0.7399 | | 23.8 | 25.0 | -4.8 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2561 | 0.2443 | | 23.9 | 25.0 | -4.6 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2601 | 0.2737 | | 52.6 | 50.0 | 5.3 | 50.0 |
| N-Propylbenzene | Ave | 0.7422 | 0.6981 | | 23.5 | 25.0 | -5.9 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6888 | 0.6277 | | 22.8 | 25.0 | -8.9 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.132 | 1.987 | | 23.3 | 25.0 | -6.8 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7058 | 0.6524 | | 23.1 | 25.0 | -7.6 | 50.0 |
| tert-Butylbenzene | Ave | 2.043 | 1.785 | | 21.8 | 25.0 | -12.6 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.155 | 1.982 | | 23.0 | 25.0 | -8.0 | 50.0 |
| sec-Butylbenzene | Ave | 2.606 | 2.368 | | 22.7 | 25.0 | -9.1 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.389 | 1.238 | | 22.3 | 25.0 | -10.8 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.184 | 2.016 | | 23.1 | 25.0 | -7.7 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.465 | 1.253 | | 21.4 | 25.0 | -14.4 | 50.0 |
| n-Butylbenzene | Ave | 1.770 | 1.516 | | 21.4 | 25.0 | -14.3 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.319 | 1.171 | | 22.2 | 25.0 | -11.3 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1049 | 0.0912 | | 21.7 | 25.0 | -13.0 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.6675 | 0.4514 | | 16.9 | 25.0 | -32.4 | 50.0 |
| Hexachlorobutadiene | Qua | | 0.1985 | | 25.1 | 25.0 | 0.4 | 50.0 |
| Naphthalene | Ave | 1.605 | 1.200 | | 18.7 | 25.0 | -25.3 | 50.0 |
| 1,2,3-Trichlorobenzene | Qua | | 0.3808 | | 22.4 | 25.0 | -10.4 | 50.0 |
| Dibromofluoromethane (Surr) | Lin1 | | 0.2025 | | 46.7 | 50.0 | -6.6 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Lin1 | | 0.2591 | | 46.2 | 50.0 | -7.7 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-74529/18 Calibration Date: 02/07/2013 01:04

Instrument ID: A3UX8 Calib Start Date: 02/06/2013 19:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/06/2013 22:14

Lab File ID: UX83273.D Conc. Units: ug/L Heated Purge: (Y/N) Y

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Toluene-d8 (Surr) | Lin1 | | 1.035 | | 48.3 | 50.0 | -3.3 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Lin1 | | 0.3550 | | 47.0 | 50.0 | -5.9 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83273.D
Lims ID: ICV Client ID:
Inject. Date: 07-Feb-2013 01:04:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017176-018
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 74529 Lims Sample ID: 18
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:34 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: latat Date: 07-Feb-2013 01:27:45

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.157 | -0.001 | 100 | 1666613 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.676 | 0.011 | 98 | 1197384 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.876 | -0.001 | 99 | 577992 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.624 | 4.623 | 0.001 | 58 | 337521 | 46.7 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.884 | 4.895 | -0.011 | 97 | 431870 | 46.2 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.421 | 0.0 | 95 | 1239001 | 48.3 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.764 | 8.763 | 0.001 | 92 | 425041 | 47.0 | |
| 12 Dichlorodifluoromethane | 85 | 1.572 | 1.571 | 0.001 | 96 | 108533 | 24.2 | |
| 13 Chloromethane | 50 | 1.749 | 1.749 | 0.0 | 100 | 235321 | 26.0 | |
| 14 Vinyl chloride | 62 | 1.868 | 1.867 | 0.001 | 99 | 137427 | 24.3 | |
| 15 Bromomethane | 94 | 2.187 | 2.186 | 0.001 | 88 | 69653 | 23.4 | |
| 16 Chloroethane | 64 | 2.281 | 2.281 | 0.0 | 95 | 87599 | 24.4 | |
| 18 Trichlorofluoromethane | 101 | 2.506 | 2.506 | 0.0 | 97 | 204199 | 26.9 | |
| 19 Ethyl ether | 59 | 2.743 | 2.744 | -0.001 | 93 | 221688 | 27.3 | |
| 20 Acrolein | 56 | 2.837 | 2.837 | 0.0 | 96 | 170439 | 84.8 | |
| 21 1,1-Dichloroethene | 96 | 2.932 | 2.931 | 0.001 | 95 | 143198 | 24.6 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.944 | 2.943 | 0.001 | 77 | 110965 | 23.5 | |
| 22 Acetone | 43 | 2.956 | 2.955 | 0.001 | 96 | 270848 | 54.9 | |
| 24 Iodomethane | 142 | 3.050 | 3.050 | 0.0 | 99 | 299022 | 25.8 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.109 | 0.0 | 98 | 403721 | 24.7 | |
| 27 Acetonitrile | 41 | 3.169 | 3.168 | 0.001 | 99 | 137842 | 77.0 | |
| 28 Methyl acetate | 43 | 3.216 | 3.215 | 0.001 | 98 | 281624 | 25.9 | |
| 30 Methylene Chloride | 84 | 3.299 | 3.298 | 0.001 | 92 | 210134 | 26.5 | |
| 31 2-Methyl-2-propanol | 59 | 3.370 | 3.381 | -0.011 | 92 | 426402 | 468.8 | |
| 32 Acrylonitrile | 53 | 3.476 | 3.476 | 0.0 | 97 | 363765 | 77.1 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.523 | 0.0 | 87 | 543419 | 25.7 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.523 | 3.523 | 0.0 | 67 | 172885 | 24.3 | |
| 35 Hexane | 86 | 3.736 | 3.736 | 0.0 | 95 | 43071 | 22.5 | |
| 36 1,1-Dichloroethane | 63 | 3.831 | 3.842 | -0.011 | 86 | 346969 | 24.9 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 37 Vinyl acetate | 86 | 3.855 | 3.866 | -0.011 | 97 | 36672 | 22.3 | |
| 38 Isopropyl ether | 87 | 3.878 | 3.879 | -0.001 | 97 | 171875 | 26.5 | |
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.268 | 0.001 | 95 | 340957 | 49.5 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.269 | 4.268 | 0.001 | 88 | 199228 | 24.6 | |
| 43 2,2-Dichloropropane | 77 | 4.281 | 4.280 | 0.0 | 73 | 135656 | 24.2 | |
| 47 Chlorobromomethane | 128 | 4.458 | 4.457 | 0.001 | 91 | 109623 | 24.8 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.493 | 0.0 | 92 | 109438 | 23.6 | |
| 49 Chloroform | 83 | 4.505 | 4.505 | 0.0 | 98 | 308979 | 24.7 | |
| 50 1,1,1-Trichloroethane | 97 | 4.671 | 4.670 | 0.001 | 94 | 233829 | 25.2 | |
| 51 Cyclohexane | 56 | 4.718 | 4.718 | 0.0 | 97 | 342933 | 22.2 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.788 | 0.001 | 83 | 210361 | 23.4 | |
| 53 Carbon tetrachloride | 117 | 4.801 | 4.800 | 0.001 | 87 | 210763 | 24.3 | |
| 54 Isobutyl alcohol | 41 | 4.813 | 4.814 | -0.001 | 94 | 521775 | 1405.1 | |
| 55 Benzene | 78 | 4.955 | 4.954 | 0.001 | 94 | 678869 | 24.5 | |
| 56 1,2-Dichloroethane | 62 | 4.943 | 4.954 | -0.011 | 61 | 316320 | 25.1 | |
| 60 Trichloroethene | 130 | 5.440 | 5.439 | 0.001 | 95 | 197042 | 23.8 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.616 | 0.001 | 84 | 196794 | 25.1 | |
| 63 Methylcyclohexane | 83 | 5.605 | 5.616 | -0.011 | 92 | 268495 | 22.5 | |
| 65 Dibromomethane | 93 | 5.712 | 5.711 | 0.001 | 85 | 118078 | 26.0 | |
| 67 Dichlorobromomethane | 83 | 5.818 | 5.829 | -0.011 | 96 | 218862 | 25.8 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.043 | 6.054 | -0.011 | 76 | 37658 | 23.0 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.185 | 6.184 | 0.001 | 81 | 235797 | 24.7 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.303 | 0.0 | 98 | 645575 | 52.5 | |
| 72 Toluene | 91 | 6.481 | 6.480 | 0.001 | 93 | 734665 | 24.0 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.646 | 0.0 | 90 | 205897 | 23.7 | |
| 75 1,1,2-Trichloroethane | 97 | 6.800 | 6.811 | -0.011 | 96 | 164365 | 26.1 | |
| 76 1,3-Dichloropropane | 76 | 6.954 | 6.953 | 0.001 | 91 | 270599 | 25.5 | |
| 77 Tetrachloroethene | 164 | 6.954 | 6.965 | -0.011 | 83 | 142557 | 23.1 | |
| 78 2-Hexanone | 43 | 7.001 | 7.000 | 0.001 | 98 | 425358 | 50.3 | |
| 79 Chlorodibromomethane | 129 | 7.155 | 7.154 | 0.001 | 88 | 170279 | 24.8 | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.272 | 0.001 | 99 | 168752 | 25.8 | |
| 82 Chlorobenzene | 112 | 7.711 | 7.710 | 0.001 | 91 | 493224 | 23.4 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.770 | 7.769 | 0.001 | 90 | 168996 | 24.6 | |
| 84 Ethylbenzene | 106 | 7.794 | 7.805 | -0.011 | 98 | 248558 | 23.0 | |
| 10 m-Xylene & p-Xylene | 106 | 7.900 | 7.899 | 0.001 | 99 | 602194 | 47.2 | |
| 86 Styrene | 104 | 8.279 | 8.278 | 0.001 | 88 | 491987 | 25.0 | |
| 85 o-Xylene | 106 | 8.267 | 8.278 | -0.011 | 90 | 294707 | 24.7 | |
| 87 Bromoform | 173 | 8.456 | 8.455 | 0.001 | 96 | 94448 | 23.2 | |
| 88 Isopropylbenzene | 105 | 8.610 | 8.609 | 0.001 | 96 | 727410 | 23.7 | |
| 89 Cyclohexanone | 55 | 8.704 | 8.694 | 0.010 | 94 | 181587 | 81.5 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.870 | 8.869 | 0.001 | 86 | 173194 | 23.9 | |
| 91 Bromobenzene | 156 | 8.917 | 8.917 | 0.0 | 90 | 213826 | 23.8 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.928 | 0.001 | 77 | 70602 | 23.9 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.928 | 0.001 | 79 | 158215 | 52.6 | |
| 94 N-Propylbenzene | 120 | 9.000 | 8.999 | 0.001 | 98 | 201746 | 23.5 | |
| 95 2-Chlorotoluene | 126 | 9.095 | 9.094 | 0.001 | 97 | 181392 | 22.8 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.166 | 9.165 | 0.001 | 93 | 574149 | 23.3 | |
| 104 4-Chlorotoluene | 126 | 9.189 | 9.201 | -0.012 | 98 | 188529 | 23.1 | |
| 97 tert-Butylbenzene | 119 | 9.485 | 9.484 | 0.001 | 81 | 515852 | 21.8 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.532 | 0.0 | 77 | 572897 | 23.0 | |
| 99 sec-Butylbenzene | 105 | 9.698 | 9.697 | 0.001 | 93 | 684365 | 22.7 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.816 | 0.0 | 85 | 357868 | 22.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 101 4-Isopropyltoluene | 119 | 9.840 | 9.839 | 0.001 | 91 | 582649 | 23.1 | |
| 102 1,4-Dichlorobenzene | 146 | 9.899 | 9.898 | 0.001 | 92 | 362187 | 21.4 | |
| 103 1,2,3-Trimethylbenzene | 105 | 9.946 | 9.947 | -0.001 | 89 | 577155 | 23.1 | |
| 105 n-Butylbenzene | 91 | 10.242 | 10.241 | 0.001 | 97 | 438217 | 21.4 | |
| 106 1,2-Dichlorobenzene | 146 | 10.266 | 10.265 | 0.001 | 97 | 338287 | 22.2 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.023 | 11.022 | 0.001 | 60 | 26360 | 21.7 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.863 | 11.862 | 0.001 | 94 | 130458 | 16.9 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.028 | 0.0 | 89 | 57357 | 25.1 | |
| 111 Naphthalene | 128 | 12.099 | 12.110 | -0.011 | 97 | 346668 | 18.7 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.359 | 0.0 | 96 | 110035 | 22.4 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 98.5 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 48.9 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 71.8 | |

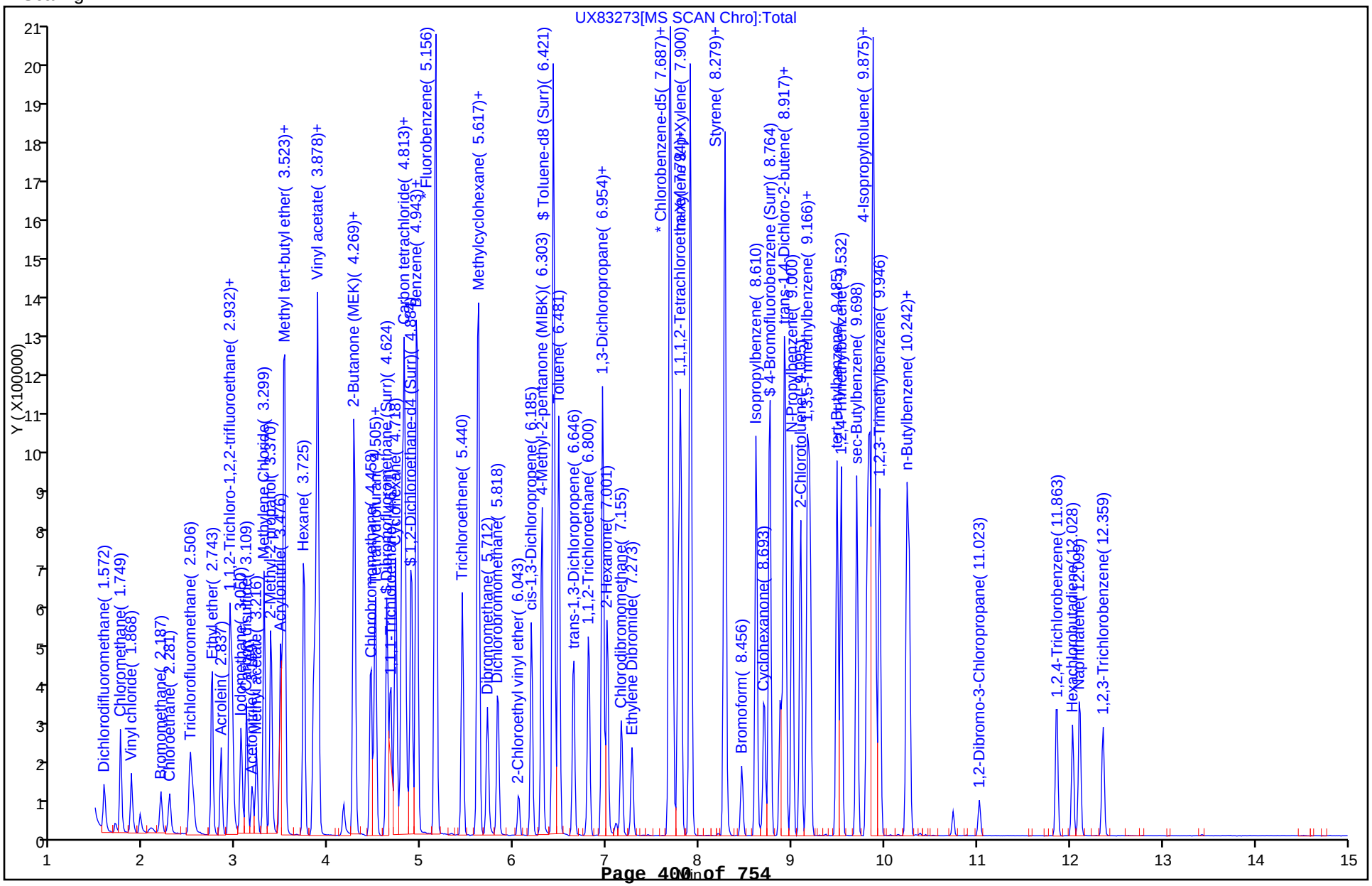
Report Date: 07-Feb-2013 22:11:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83273.D

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 01:04:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 18 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-74529/18 Calibration Date: 02/07/2013 01:04

Instrument ID: A3UX8 Calib Start Date: 02/06/2013 22:35

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2013 00:21

Lab File ID: UX83273.D Conc. Units: ug/L Heated Purge: (Y/N) Y

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Ethyl ether | Ave | 0.2439 | 0.2660 | | 27.3 | 25.0 | 9.1 | 50.0 |
| Isopropyl ether | Ave | 0.1942 | 0.2063 | | 26.5 | 25.0 | 6.2 | 50.0 |
| Isobutyl alcohol | Ave | 0.0111 | 0.0125 | | 1410 | 1250 | 12.4 | 50.0 |
| Cyclohexanone | Ave | 0.0930 | 0.0152 | | 81.5 | 500 | -83.7* | 50.0 |
| 1,2,3-Trimethylbenzene | Ave | 2.160 | 1.997 | | 23.1 | 25.0 | -7.5 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83273.D
Lims ID: ICV Client ID:
Inject. Date: 07-Feb-2013 01:04:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017176-018
Misc. Info.: M30206A,8260SUX8,,402279 =M30206A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 74529 Lims Sample ID: 18
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m
Last Update: 07-Feb-2013 22:11:34 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: latat Date: 07-Feb-2013 01:27:45

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.157 | -0.001 | 100 | 1666613 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.676 | 0.011 | 98 | 1197384 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.876 | -0.001 | 99 | 577992 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.624 | 4.623 | 0.001 | 58 | 337521 | 46.7 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.884 | 4.895 | -0.011 | 97 | 431870 | 46.2 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.421 | 0.0 | 95 | 1239001 | 48.3 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.764 | 8.763 | 0.001 | 92 | 425041 | 47.0 | |
| 12 Dichlorodifluoromethane | 85 | 1.572 | 1.571 | 0.001 | 96 | 108533 | 24.2 | |
| 13 Chloromethane | 50 | 1.749 | 1.749 | 0.0 | 100 | 235321 | 26.0 | |
| 14 Vinyl chloride | 62 | 1.868 | 1.867 | 0.001 | 99 | 137427 | 24.3 | |
| 15 Bromomethane | 94 | 2.187 | 2.186 | 0.001 | 88 | 69653 | 23.4 | |
| 16 Chloroethane | 64 | 2.281 | 2.281 | 0.0 | 95 | 87599 | 24.4 | |
| 18 Trichlorofluoromethane | 101 | 2.506 | 2.506 | 0.0 | 97 | 204199 | 26.9 | |
| 19 Ethyl ether | 59 | 2.743 | 2.744 | -0.001 | 93 | 221688 | 27.3 | |
| 20 Acrolein | 56 | 2.837 | 2.837 | 0.0 | 96 | 170439 | 84.8 | |
| 21 1,1-Dichloroethene | 96 | 2.932 | 2.931 | 0.001 | 95 | 143198 | 24.6 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.944 | 2.943 | 0.001 | 77 | 110965 | 23.5 | |
| 22 Acetone | 43 | 2.956 | 2.955 | 0.001 | 96 | 270848 | 54.9 | |
| 24 Iodomethane | 142 | 3.050 | 3.050 | 0.0 | 99 | 299022 | 25.8 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.109 | 0.0 | 98 | 403721 | 24.7 | |
| 27 Acetonitrile | 41 | 3.169 | 3.168 | 0.001 | 99 | 137842 | 77.0 | |
| 28 Methyl acetate | 43 | 3.216 | 3.215 | 0.001 | 98 | 281624 | 25.9 | |
| 30 Methylene Chloride | 84 | 3.299 | 3.298 | 0.001 | 92 | 210134 | 26.5 | |
| 31 2-Methyl-2-propanol | 59 | 3.370 | 3.381 | -0.011 | 92 | 426402 | 468.8 | |
| 32 Acrylonitrile | 53 | 3.476 | 3.476 | 0.0 | 97 | 363765 | 77.1 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.523 | 0.0 | 87 | 543419 | 25.7 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.523 | 3.523 | 0.0 | 67 | 172885 | 24.3 | |
| 35 Hexane | 86 | 3.736 | 3.736 | 0.0 | 95 | 43071 | 22.5 | |
| 36 1,1-Dichloroethane | 63 | 3.831 | 3.842 | -0.011 | 86 | 346969 | 24.9 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 37 Vinyl acetate | 86 | 3.855 | 3.866 | -0.011 | 97 | 36672 | 22.3 | |
| 38 Isopropyl ether | 87 | 3.878 | 3.879 | -0.001 | 97 | 171875 | 26.5 | |
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.268 | 0.001 | 95 | 340957 | 49.5 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.269 | 4.268 | 0.001 | 88 | 199228 | 24.6 | |
| 43 2,2-Dichloropropane | 77 | 4.281 | 4.280 | 0.0 | 73 | 135656 | 24.2 | |
| 47 Chlorobromomethane | 128 | 4.458 | 4.457 | 0.001 | 91 | 109623 | 24.8 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.493 | 0.0 | 92 | 109438 | 23.6 | |
| 49 Chloroform | 83 | 4.505 | 4.505 | 0.0 | 98 | 308979 | 24.7 | |
| 50 1,1,1-Trichloroethane | 97 | 4.671 | 4.670 | 0.001 | 94 | 233829 | 25.2 | |
| 51 Cyclohexane | 56 | 4.718 | 4.718 | 0.0 | 97 | 342933 | 22.2 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.788 | 0.001 | 83 | 210361 | 23.4 | |
| 53 Carbon tetrachloride | 117 | 4.801 | 4.800 | 0.001 | 87 | 210763 | 24.3 | |
| 54 Isobutyl alcohol | 41 | 4.813 | 4.814 | -0.001 | 94 | 521775 | 1405.1 | |
| 55 Benzene | 78 | 4.955 | 4.954 | 0.001 | 94 | 678869 | 24.5 | |
| 56 1,2-Dichloroethane | 62 | 4.943 | 4.954 | -0.011 | 61 | 316320 | 25.1 | |
| 60 Trichloroethene | 130 | 5.440 | 5.439 | 0.001 | 95 | 197042 | 23.8 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.616 | 0.001 | 84 | 196794 | 25.1 | |
| 63 Methylcyclohexane | 83 | 5.605 | 5.616 | -0.011 | 92 | 268495 | 22.5 | |
| 65 Dibromomethane | 93 | 5.712 | 5.711 | 0.001 | 85 | 118078 | 26.0 | |
| 67 Dichlorobromomethane | 83 | 5.818 | 5.829 | -0.011 | 96 | 218862 | 25.8 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.043 | 6.054 | -0.011 | 76 | 37658 | 23.0 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.185 | 6.184 | 0.001 | 81 | 235797 | 24.7 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.303 | 0.0 | 98 | 645575 | 52.5 | |
| 72 Toluene | 91 | 6.481 | 6.480 | 0.001 | 93 | 734665 | 24.0 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.646 | 0.0 | 90 | 205897 | 23.7 | |
| 75 1,1,2-Trichloroethane | 97 | 6.800 | 6.811 | -0.011 | 96 | 164365 | 26.1 | |
| 76 1,3-Dichloropropane | 76 | 6.954 | 6.953 | 0.001 | 91 | 270599 | 25.5 | |
| 77 Tetrachloroethene | 164 | 6.954 | 6.965 | -0.011 | 83 | 142557 | 23.1 | |
| 78 2-Hexanone | 43 | 7.001 | 7.000 | 0.001 | 98 | 425358 | 50.3 | |
| 79 Chlorodibromomethane | 129 | 7.155 | 7.154 | 0.001 | 88 | 170279 | 24.8 | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.272 | 0.001 | 99 | 168752 | 25.8 | |
| 82 Chlorobenzene | 112 | 7.711 | 7.710 | 0.001 | 91 | 493224 | 23.4 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.770 | 7.769 | 0.001 | 90 | 168996 | 24.6 | |
| 84 Ethylbenzene | 106 | 7.794 | 7.805 | -0.011 | 98 | 248558 | 23.0 | |
| 10 m-Xylene & p-Xylene | 106 | 7.900 | 7.899 | 0.001 | 99 | 602194 | 47.2 | |
| 86 Styrene | 104 | 8.279 | 8.278 | 0.001 | 88 | 491987 | 25.0 | |
| 85 o-Xylene | 106 | 8.267 | 8.278 | -0.011 | 90 | 294707 | 24.7 | |
| 87 Bromoform | 173 | 8.456 | 8.455 | 0.001 | 96 | 94448 | 23.2 | |
| 88 Isopropylbenzene | 105 | 8.610 | 8.609 | 0.001 | 96 | 727410 | 23.7 | |
| 89 Cyclohexanone | 55 | 8.704 | 8.694 | 0.010 | 94 | 181587 | 81.5 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.870 | 8.869 | 0.001 | 86 | 173194 | 23.9 | |
| 91 Bromobenzene | 156 | 8.917 | 8.917 | 0.0 | 90 | 213826 | 23.8 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.928 | 0.001 | 77 | 70602 | 23.9 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.928 | 0.001 | 79 | 158215 | 52.6 | |
| 94 N-Propylbenzene | 120 | 9.000 | 8.999 | 0.001 | 98 | 201746 | 23.5 | |
| 95 2-Chlorotoluene | 126 | 9.095 | 9.094 | 0.001 | 97 | 181392 | 22.8 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.166 | 9.165 | 0.001 | 93 | 574149 | 23.3 | |
| 104 4-Chlorotoluene | 126 | 9.189 | 9.201 | -0.012 | 98 | 188529 | 23.1 | |
| 97 tert-Butylbenzene | 119 | 9.485 | 9.484 | 0.001 | 81 | 515852 | 21.8 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.532 | 0.0 | 77 | 572897 | 23.0 | |
| 99 sec-Butylbenzene | 105 | 9.698 | 9.697 | 0.001 | 93 | 684365 | 22.7 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.816 | 0.0 | 85 | 357868 | 22.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 101 4-Isopropyltoluene | 119 | 9.840 | 9.839 | 0.001 | 91 | 582649 | 23.1 | |
| 102 1,4-Dichlorobenzene | 146 | 9.899 | 9.898 | 0.001 | 92 | 362187 | 21.4 | |
| 103 1,2,3-Trimethylbenzene | 105 | 9.946 | 9.947 | -0.001 | 89 | 577155 | 23.1 | |
| 105 n-Butylbenzene | 91 | 10.242 | 10.241 | 0.001 | 97 | 438217 | 21.4 | |
| 106 1,2-Dichlorobenzene | 146 | 10.266 | 10.265 | 0.001 | 97 | 338287 | 22.2 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.023 | 11.022 | 0.001 | 60 | 26360 | 21.7 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.863 | 11.862 | 0.001 | 94 | 130458 | 16.9 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.028 | 0.0 | 89 | 57357 | 25.1 | |
| 111 Naphthalene | 128 | 12.099 | 12.110 | -0.011 | 97 | 346668 | 18.7 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.359 | 0.0 | 96 | 110035 | 22.4 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 98.5 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 48.9 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 71.8 | |

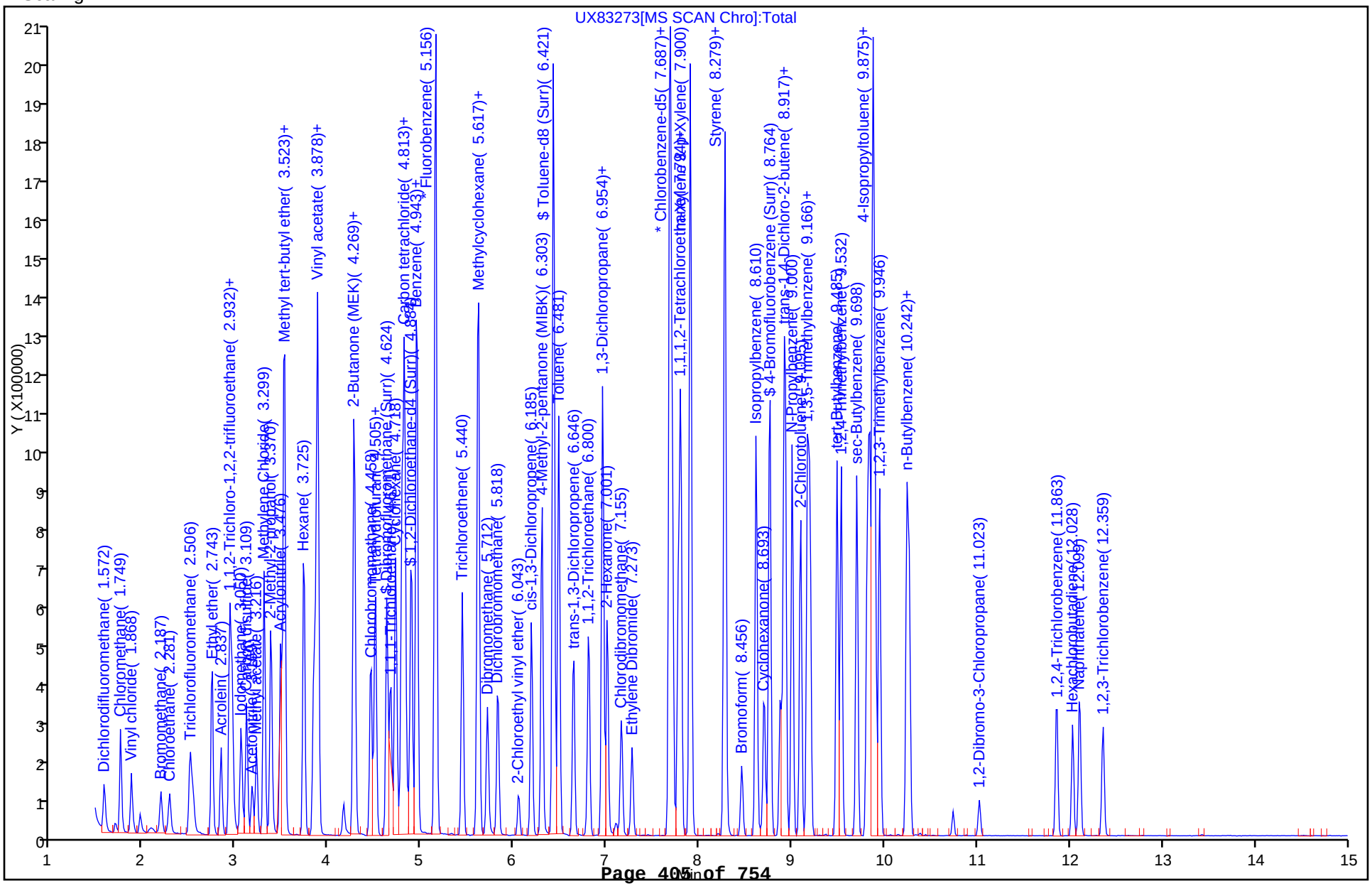
Report Date: 07-Feb-2013 22:11:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83273.D

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 01:04:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 18 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-74675/4 Calibration Date: 02/07/2013 23:35

Instrument ID: A3UX8 Calib Start Date: 02/06/2013 19:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/06/2013 22:14

Lab File ID: UX83291.D Conc. Units: ug/L Heated Purge: (Y/N) Y

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1346 | 0.1422 | | 21.1 | 20.0 | 5.6 | 50.0 |
| Chloromethane | Ave | 0.2721 | 0.2698 | 0.1000 | 19.8 | 20.0 | -0.8 | 50.0 |
| Vinyl chloride | Ave | 0.1695 | 0.1583 | | 18.7 | 20.0 | -6.6 | 20.0 |
| Bromomethane | Ave | 0.0891 | 0.0948 | | 21.3 | 20.0 | 6.4 | 50.0 |
| Chloroethane | Ave | 0.1078 | 0.1079 | | 20.0 | 20.0 | 0.0 | 50.0 |
| Trichlorofluoromethane | Ave | 0.2281 | 0.2433 | | 21.3 | 20.0 | 6.7 | 50.0 |
| Acrolein | Ave | 0.0603 | 0.0542 | | 180 | 200 | -10.2 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.1747 | 0.1776 | | 20.3 | 20.0 | 1.7 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.1418 | 0.1463 | | 20.6 | 20.0 | 3.2 | 50.0 |
| Acetone | Ave | 0.1479 | 0.1457 | | 39.4 | 40.0 | -1.5 | 50.0 |
| Iodomethane | Ave | 0.3478 | 0.3372 | | 19.4 | 20.0 | -3.1 | 50.0 |
| Carbon disulfide | Ave | 0.4901 | 0.4997 | | 20.4 | 20.0 | 1.9 | 50.0 |
| Acetonitrile | Ave | 0.0537 | 0.0511 | | 190 | 200 | -4.9 | 50.0 |
| Methyl acetate | Ave | 0.3264 | 0.3106 | | 38.1 | 40.0 | -4.8 | 50.0 |
| Methylene Chloride | Lin1 | | 0.2472 | | 20.2 | 20.0 | 0.8 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0273 | 0.0232 | | 341 | 400 | -14.8 | 50.0 |
| Acrylonitrile | Ave | 0.1416 | 0.1356 | | 38.3 | 40.0 | -4.2 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.6333 | 0.6053 | | 19.1 | 20.0 | -4.4 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2135 | 0.2159 | | 20.2 | 20.0 | 1.1 | 50.0 |
| Hexane | Ave | 0.0575 | 0.0569 | | 19.8 | 20.0 | -1.0 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4173 | 0.4080 | 0.1000 | 19.6 | 20.0 | -2.2 | 50.0 |
| Vinyl acetate | Ave | 0.0494 | 0.0466 | | 18.9 | 20.0 | -5.7 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.2068 | 0.1979 | | 38.3 | 40.0 | -4.3 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2427 | 0.2385 | | 19.7 | 20.0 | -1.7 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.1685 | 0.1651 | | 19.6 | 20.0 | -2.0 | 50.0 |
| Chlorobromomethane | Ave | 0.1327 | 0.1278 | | 19.3 | 20.0 | -3.7 | 50.0 |
| Tetrahydrofuran | Ave | 0.1391 | 0.1197 | | 17.2 | 20.0 | -14.0 | 50.0 |
| Chloroform | Ave | 0.3752 | 0.3678 | | 19.6 | 20.0 | -2.0 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.2785 | 0.2962 | | 21.3 | 20.0 | 6.4 | 50.0 |
| Cyclohexane | Ave | 0.4638 | 0.4595 | | 19.8 | 20.0 | -0.9 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.2698 | 0.2745 | | 20.4 | 20.0 | 1.8 | 50.0 |
| Carbon tetrachloride | Ave | 0.2606 | 0.2736 | | 21.0 | 20.0 | 5.0 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3776 | 0.3600 | | 19.1 | 20.0 | -4.6 | 50.0 |
| Benzene | Ave | 0.8327 | 0.8122 | | 19.5 | 20.0 | -2.5 | 50.0 |
| Trichloroethene | Ave | 0.2486 | 0.2479 | | 19.9 | 20.0 | -0.3 | 50.0 |
| Methylcyclohexane | Ave | 0.3583 | 0.3649 | | 20.4 | 20.0 | 1.9 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2351 | 0.2268 | | 19.3 | 20.0 | -3.5 | 20.0 |
| 1,4-Dioxane | Ave | 0.0024 | 0.0023 | | 936 | 1000 | -6.4 | 50.0 |
| Dibromomethane | Ave | 0.1365 | 0.1281 | | 18.8 | 20.0 | -6.1 | 50.0 |
| Dichlorobromomethane | Ave | 0.2543 | 0.2667 | | 21.0 | 20.0 | 4.9 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-74675/4 Calibration Date: 02/07/2013 23:35

Instrument ID: A3UX8 Calib Start Date: 02/06/2013 19:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/06/2013 22:14

Lab File ID: UX83291.D Conc. Units: ug/L Heated Purge: (Y/N) Y

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloroethyl vinyl ether | Ave | 0.0491 | 0.0454 | | 36.9 | 40.0 | -7.7 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.2859 | 0.2823 | | 19.8 | 20.0 | -1.2 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.3691 | 0.3571 | | 38.7 | 40.0 | -3.3 | 50.0 |
| Toluene | Ave | 1.278 | 1.250 | | 19.6 | 20.0 | -2.2 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.3635 | 0.3301 | | 18.2 | 20.0 | -9.2 | 50.0 |
| Ethyl methacrylate | Ave | 0.3629 | 0.3513 | | 19.4 | 20.0 | -3.2 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2629 | 0.2584 | | 19.7 | 20.0 | -1.7 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.4439 | 0.4319 | | 19.5 | 20.0 | -2.7 | 50.0 |
| Tetrachloroethene | Ave | 0.2581 | 0.2650 | | 20.5 | 20.0 | 2.7 | 50.0 |
| 2-Hexanone | Ave | 0.3533 | 0.3353 | | 38.0 | 40.0 | -5.1 | 50.0 |
| Chlorodibromomethane | Ave | 0.2866 | 0.2887 | | 20.1 | 20.0 | 0.7 | 50.0 |
| Ethylene Dibromide | Ave | 0.2729 | 0.2680 | | 19.6 | 20.0 | -1.8 | 50.0 |
| Chlorobenzene | Ave | 0.8795 | 0.8403 | 0.3000 | 19.1 | 20.0 | -4.5 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2873 | 0.2858 | | 19.9 | 20.0 | -0.5 | 50.0 |
| Ethylbenzene | Ave | 0.4503 | 0.4321 | | 19.2 | 20.0 | -4.0 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.5333 | 0.5439 | | 40.8 | 40.0 | 2.0 | 50.0 |
| o-Xylene | Ave | 0.4992 | 0.5174 | | 20.7 | 20.0 | 3.7 | 50.0 |
| Styrene | Ave | 0.8212 | 0.8323 | | 20.3 | 20.0 | 1.3 | 50.0 |
| Bromoform | Ave | 0.1703 | 0.1594 | 0.1000 | 18.7 | 20.0 | -6.4 | 50.0 |
| Isopropylbenzene | Ave | 1.280 | 1.309 | | 20.5 | 20.0 | 2.3 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6266 | 0.6021 | 0.3000 | 19.2 | 20.0 | -3.9 | 50.0 |
| Bromobenzene | Ave | 0.7769 | 0.7317 | | 18.8 | 20.0 | -5.8 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2561 | 0.2381 | | 18.6 | 20.0 | -7.0 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2601 | 0.2542 | | 19.6 | 20.0 | -2.2 | 50.0 |
| N-Propylbenzene | Ave | 0.7422 | 0.7281 | | 19.6 | 20.0 | -1.9 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6888 | 0.6697 | | 19.4 | 20.0 | -2.8 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.132 | 2.114 | | 19.8 | 20.0 | -0.8 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7058 | 0.7046 | | 20.0 | 20.0 | -0.2 | 50.0 |
| tert-Butylbenzene | Ave | 2.043 | 1.932 | | 18.9 | 20.0 | -5.4 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.155 | 2.137 | | 19.8 | 20.0 | -0.8 | 50.0 |
| sec-Butylbenzene | Ave | 2.606 | 2.641 | | 20.3 | 20.0 | 1.3 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.389 | 1.335 | | 19.2 | 20.0 | -3.9 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.184 | 2.216 | | 20.3 | 20.0 | 1.5 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.465 | 1.415 | | 19.3 | 20.0 | -3.4 | 50.0 |
| n-Butylbenzene | Ave | 1.770 | 1.784 | | 20.2 | 20.0 | 0.8 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.319 | 1.216 | | 18.4 | 20.0 | -7.8 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1049 | 0.0814 | | 15.5 | 20.0 | -22.4 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 0.7960 | 0.7051 | | 17.7 | 20.0 | -11.4 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.6675 | 0.5480 | | 16.4 | 20.0 | -17.9 | 50.0 |
| Hexachlorobutadiene | Qua | | 0.2513 | | 25.5 | 20.0 | 27.4 | 50.0 |
| Naphthalene | Ave | 1.605 | 1.143 | | 14.2 | 20.0 | -28.8 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVIS 240-74675/4 Calibration Date: 02/07/2013 23:35

Instrument ID: A3UX8 Calib Start Date: 02/06/2013 19:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/06/2013 22:14

Lab File ID: UX83291.D Conc. Units: ug/L Heated Purge: (Y/N) Y

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | Qua | | 0.4242 | | 19.7 | 20.0 | -1.7 | 50.0 |
| Dibromofluoromethane (Surr) | Lin1 | | 0.1976 | | 45.5 | 50.0 | -9.0 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Lin1 | | 0.2450 | | 43.5 | 50.0 | -13.0 | 50.0 |
| Toluene-d8 (Surr) | Lin1 | | 0.9915 | | 46.3 | 50.0 | -7.5 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Lin1 | | 0.3586 | | 47.5 | 50.0 | -4.9 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83291.D
Lims ID: CCVIS Client ID:
Inject. Date: 07-Feb-2013 23:35:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0017213-004
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 74675 Lims Sample ID: 4
Sublist: chrom-8260_8*sub14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:24:36 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: latat Date: 07-Feb-2013 23:59:00

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.159 | 5.159 | 0.0 | 100 | 1657077 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.679 | 7.679 | 0.0 | 98 | 1231057 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.879 | 9.879 | 0.0 | 98 | 604349 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.627 | 4.627 | 0.0 | 58 | 327388 | 45.5 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.887 | 4.887 | 0.0 | 96 | 405887 | 43.5 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.425 | 6.425 | 0.0 | 94 | 1220598 | 46.3 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.755 | 8.755 | 0.0 | 90 | 441387 | 47.5 | |
| 12 Dichlorodifluoromethane | 85 | 1.575 | 1.575 | 0.0 | 95 | 94221 | 21.1 | |
| 13 Chloromethane | 50 | 1.753 | 1.753 | 0.0 | 99 | 178844 | 19.8 | |
| 14 Vinyl chloride | 62 | 1.871 | 1.871 | 0.0 | 83 | 104916 | 18.7 | |
| 15 Bromomethane | 94 | 2.190 | 2.190 | 0.0 | 90 | 62833 | 21.3 | |
| 16 Chloroethane | 64 | 2.285 | 2.285 | 0.0 | 94 | 71508 | 20.0 | |
| 18 Trichlorofluoromethane | 101 | 2.510 | 2.510 | 0.0 | 96 | 161278 | 21.3 | |
| 20 Acrolein | 56 | 2.841 | 2.841 | 0.0 | 96 | 358936 | 179.6 | |
| 21 1,1-Dichloroethene | 96 | 2.935 | 2.935 | 0.0 | 96 | 117707 | 20.3 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.947 | 2.947 | 0.0 | 79 | 96994 | 20.6 | |
| 22 Acetone | 43 | 2.959 | 2.959 | 0.0 | 96 | 193177 | 39.4 | |
| 24 Iodomethane | 142 | 3.054 | 3.054 | 0.0 | 98 | 223472 | 19.4 | |
| 26 Carbon disulfide | 76 | 3.113 | 3.113 | 0.0 | 98 | 331188 | 20.4 | |
| 27 Acetonitrile | 41 | 3.172 | 3.172 | 0.0 | 99 | 338430 | 190.1 | |
| 28 Methyl acetate | 43 | 3.219 | 3.219 | 0.0 | 98 | 411798 | 38.1 | |
| 30 Methylene Chloride | 84 | 3.302 | 3.302 | 0.0 | 92 | 163878 | 20.2 | |
| 31 2-Methyl-2-propanol | 59 | 3.373 | 3.373 | 0.0 | 90 | 308143 | 340.7 | |
| 32 Acrylonitrile | 53 | 3.480 | 3.480 | 0.0 | 97 | 179802 | 38.3 | |
| 34 Methyl tert-butyl ether | 73 | 3.515 | 3.515 | 0.0 | 86 | 401186 | 19.1 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.527 | 3.527 | 0.0 | 71 | 143113 | 20.2 | |
| 35 Hexane | 86 | 3.728 | 3.728 | 0.0 | 95 | 37711 | 19.8 | |
| 36 1,1-Dichloroethane | 63 | 3.834 | 3.834 | 0.0 | 97 | 270452 | 19.6 | |
| 37 Vinyl acetate | 86 | 3.858 | 3.858 | 0.0 | 97 | 30886 | 18.9 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 42 cis-1,2-Dichloroethene | 96 | 4.272 | 4.272 | 0.0 | 87 | 158055 | 19.7 | |
| 41 2-Butanone (MEK) | 43 | 4.272 | 4.272 | 0.0 | 97 | 262340 | 38.3 | |
| 43 2,2-Dichloropropane | 77 | 4.284 | 4.284 | 0.0 | 77 | 109426 | 19.6 | |
| 47 Chlorobromomethane | 128 | 4.449 | 4.449 | 0.0 | 89 | 84720 | 19.3 | |
| 48 Tetrahydrofuran | 42 | 4.497 | 4.497 | 0.0 | 94 | 79328 | 17.2 | |
| 49 Chloroform | 83 | 4.509 | 4.509 | 0.0 | 98 | 243803 | 19.6 | |
| 50 1,1,1-Trichloroethane | 97 | 4.662 | 4.662 | 0.0 | 92 | 196350 | 21.3 | |
| 51 Cyclohexane | 56 | 4.722 | 4.722 | 0.0 | 97 | 304593 | 19.8 | |
| 52 1,1-Dichloropropene | 75 | 4.793 | 4.793 | 0.0 | 83 | 181974 | 20.4 | |
| 53 Carbon tetrachloride | 117 | 4.804 | 4.804 | 0.0 | 88 | 181349 | 21.0 | |
| 56 1,2-Dichloroethane | 62 | 4.946 | 4.946 | 0.0 | 60 | 238627 | 19.1 | |
| 55 Benzene | 78 | 4.946 | 4.946 | 0.0 | 93 | 538345 | 19.5 | |
| 60 Trichloroethene | 130 | 5.443 | 5.443 | 0.0 | 93 | 164316 | 19.9 | |
| 63 Methylcyclohexane | 83 | 5.609 | 5.609 | 0.0 | 92 | 241895 | 20.4 | |
| 62 1,2-Dichloropropane | 63 | 5.621 | 5.621 | 0.0 | 78 | 150309 | 19.3 | |
| 65 Dibromomethane | 93 | 5.715 | 5.715 | 0.0 | 84 | 84895 | 18.8 | |
| 66 1,4-Dioxane | 88 | 5.715 | 5.715 | 0.0 | 61 | 75119 | 935.8 | |
| 67 Dichlorobromomethane | 83 | 5.822 | 5.822 | 0.0 | 95 | 176789 | 21.0 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.046 | 6.046 | 0.0 | 81 | 60114 | 36.9 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.188 | 6.188 | 0.0 | 80 | 187126 | 19.8 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.295 | 6.295 | 0.0 | 98 | 473324 | 38.7 | |
| 72 Toluene | 91 | 6.484 | 6.484 | 0.0 | 94 | 615640 | 19.6 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.638 | 6.638 | 0.0 | 92 | 162532 | 18.2 | |
| 74 Ethyl methacrylate | 69 | 6.709 | 6.709 | 0.0 | 88 | 172981 | 19.4 | |
| 75 1,1,2-Trichloroethane | 97 | 6.803 | 6.803 | 0.0 | 94 | 127232 | 19.7 | |
| 77 Tetrachloroethene | 164 | 6.957 | 6.957 | 0.0 | 84 | 130494 | 20.5 | |
| 76 1,3-Dichloropropane | 76 | 6.957 | 6.957 | 0.0 | 91 | 212681 | 19.5 | |
| 78 2-Hexanone | 43 | 7.004 | 7.004 | 0.0 | 96 | 330195 | 38.0 | |
| 79 Chlorodibromomethane | 129 | 7.158 | 7.158 | 0.0 | 90 | 142169 | 20.1 | |
| 123 Ethylene Dibromide | 107 | 7.276 | 7.276 | 0.0 | 98 | 131950 | 19.6 | |
| 82 Chlorobenzene | 112 | 7.714 | 7.714 | 0.0 | 93 | 413802 | 19.1 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.773 | 7.773 | 0.0 | 87 | 140744 | 19.9 | |
| 84 Ethylbenzene | 106 | 7.797 | 7.797 | 0.0 | 98 | 212763 | 19.2 | |
| 10 m-Xylene & p-Xylene | 106 | 7.903 | 7.903 | 0.0 | 98 | 535658 | 40.8 | |
| 85 o-Xylene | 106 | 8.270 | 8.270 | 0.0 | 88 | 254785 | 20.7 | |
| 86 Styrene | 104 | 8.282 | 8.282 | 0.0 | 88 | 409817 | 20.3 | |
| 87 Bromoform | 173 | 8.459 | 8.459 | 0.0 | 96 | 78476 | 18.7 | |
| 88 Isopropylbenzene | 105 | 8.613 | 8.613 | 0.0 | 95 | 644619 | 20.5 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.873 | 8.873 | 0.0 | 88 | 145555 | 19.2 | |
| 91 Bromobenzene | 156 | 8.909 | 8.909 | 0.0 | 90 | 176870 | 18.8 | |
| 92 1,2,3-Trichloropropane | 110 | 8.921 | 8.921 | 0.0 | 81 | 57569 | 18.6 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.932 | 8.932 | 0.0 | 70 | 61457 | 19.6 | |
| 94 N-Propylbenzene | 120 | 9.003 | 9.003 | 0.0 | 98 | 176008 | 19.6 | |
| 95 2-Chlorotoluene | 126 | 9.098 | 9.098 | 0.0 | 97 | 161895 | 19.4 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.169 | 9.169 | 0.0 | 93 | 511073 | 19.8 | |
| 104 4-Chlorotoluene | 126 | 9.193 | 9.193 | 0.0 | 98 | 170330 | 20.0 | |
| 97 tert-Butylbenzene | 119 | 9.488 | 9.488 | 0.0 | 87 | 466949 | 18.9 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.536 | 9.536 | 0.0 | 86 | 516509 | 19.8 | |
| 99 sec-Butylbenzene | 105 | 9.701 | 9.701 | 0.0 | 94 | 638422 | 20.3 | |
| 100 1,3-Dichlorobenzene | 146 | 9.820 | 9.820 | 0.0 | 97 | 322634 | 19.2 | |
| 101 4-Isopropyltoluene | 119 | 9.843 | 9.843 | 0.0 | 91 | 535635 | 20.3 | |
| 102 1,4-Dichlorobenzene | 146 | 9.902 | 9.902 | 0.0 | 93 | 342139 | 19.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 105 n-Butylbenzene | 91 | 10.245 | 10.245 | 0.0 | 96 | 431262 | 20.2 | |
| 106 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | 0.0 | 97 | 293982 | 18.4 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.026 | 11.026 | 0.0 | 55 | 19665 | 15.5 | |
| 108 1,3,5-Trichlorobenzene | 180 | 11.251 | 11.251 | 0.0 | 98 | 170456 | 17.7 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.854 | 11.854 | 0.0 | 95 | 132461 | 16.4 | |
| 110 Hexachlorobutadiene | 225 | 12.032 | 12.032 | 0.0 | 91 | 60753 | 25.5 | |
| 111 Naphthalene | 128 | 12.103 | 12.103 | 0.0 | 96 | 276224 | 14.2 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.363 | 12.363 | 0.0 | 96 | 102554 | 19.7 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 79.4 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 39.9 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 37.9 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 61.5 | |

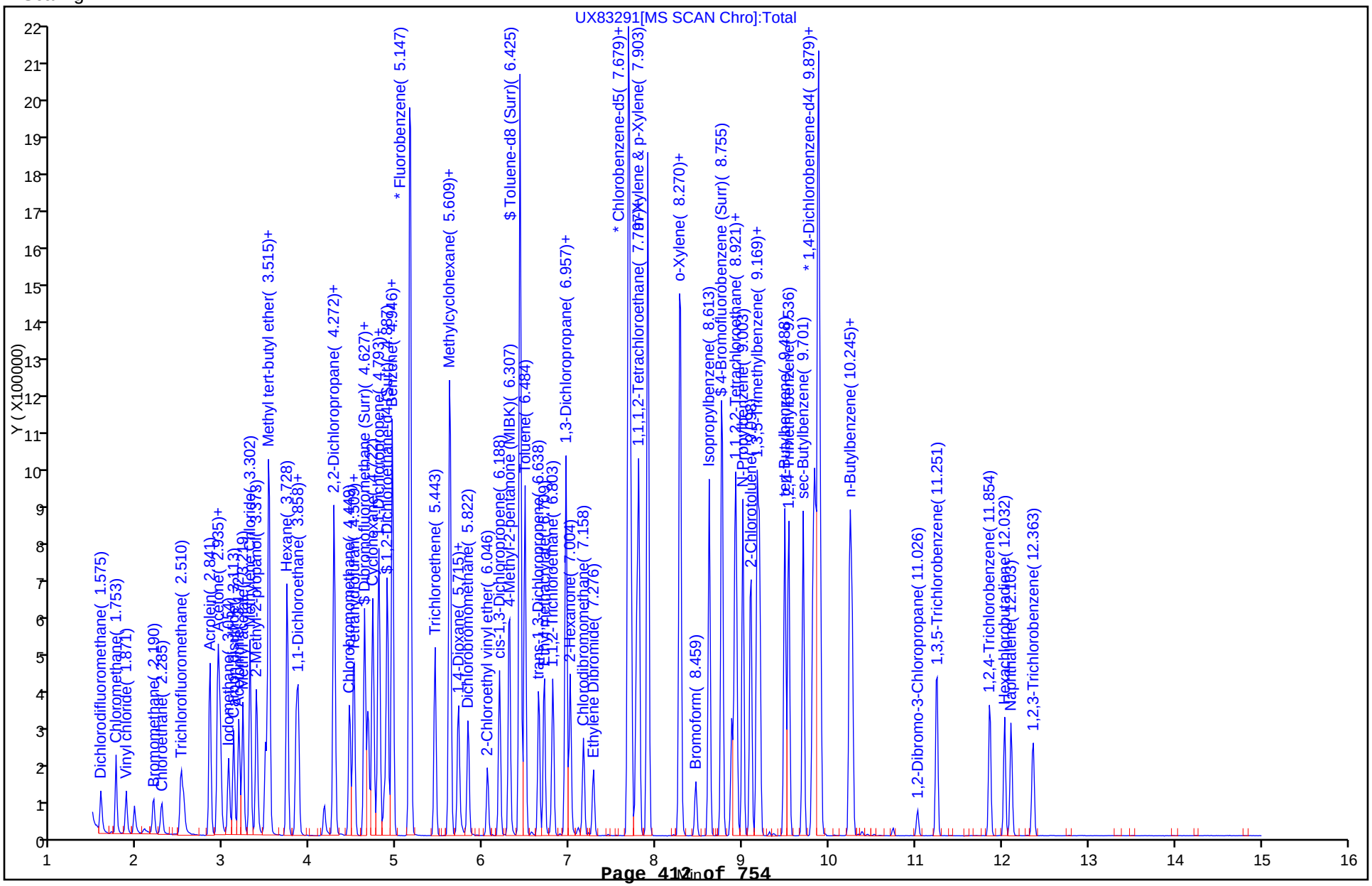
Report Date: 09-Feb-2013 03:24:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83291.D

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 23:35:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 4 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\BFB291.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 30-Jan-2013 15:53:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | | | |
| Misc. Info.: | | | |
| Operator: | 1644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 11 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\8260_17.m | | |
| Last Update: | 31-Jan-2013 11:12:57 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK031 | | |
| First Level Reviewer: | williamsla | Date: | 31-Jan-2013 10:29:33 |

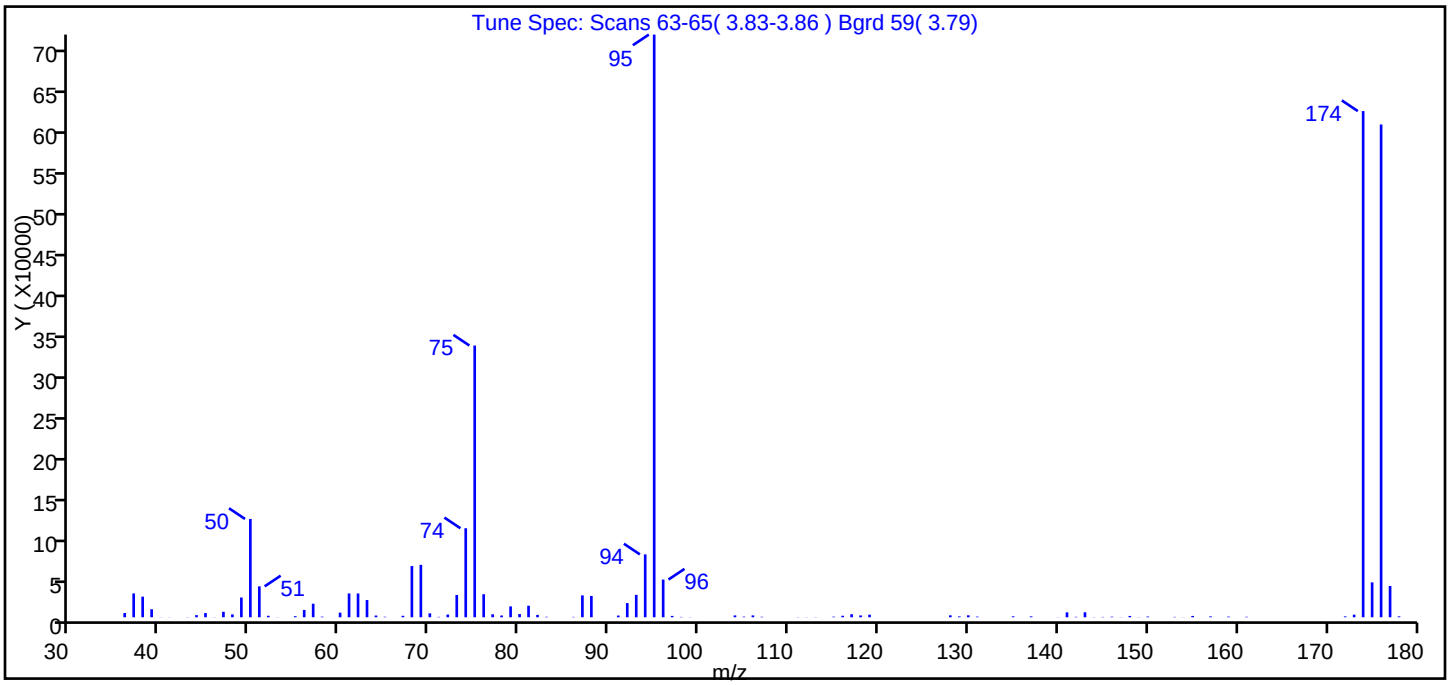
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 5 BFB | 95 | 3.846 | 3.846 | 0.0 | 0 | 1680357 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\BFB291.D | | |
| Injection Date: | 30-Jan-2013 15:53:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 73638 | Lims Sample ID: | 1 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 5 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 16.87 |
| 75 | 30.00 - 60.00% of mass 95 | 46.64 |
| 96 | 5.00 - 9.00% of mass 95 | 6.47 |
| 173 | Less than 2.00% of mass 174 | 0.44 ( 0.51) |
| 174 | Greater than 50.00% of mass 95 | 86.87 |
| 175 | 5.00 - 9.00% of mass 174 | 5.99 ( 6.89) |
| 176 | 95.00 - 101.00% of mass 174 | 84.57 ( 97.35) |
| 177 | 5.00 - 9.00% of mass 176 | 5.37 ( 6.35) |

Data File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\BFB291.D\8260_17.rslt\spectra.d
Injection Date: 30-Jan-2013 15:53:30
Spectrum: Tune Spec: Scans 63-65( 3.83-3.86 ) Bgrd 59( 3.79)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 98

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 5235 | 64.00 | 2161 | 94.00 | 77360 | 141.00 | 6026 |
| 37.00 | 29328 | 65.00 | 605 | 95.00 | 717056 | 142.00 | 554 |
| 38.00 | 25352 | 67.00 | 1822 | 96.00 | 46400 | 143.00 | 6137 |
| 39.00 | 9858 | 68.00 | 63016 | 97.00 | 1668 | 144.00 | 224 |
| 40.00 | 154 | 69.00 | 64480 | 98.00 | 432 | 145.00 | 416 |
| 41.00 | 140 | 70.00 | 4832 | 99.00 | 194 | 146.00 | 700 |
| 43.00 | 196 | 71.00 | 462 | 104.00 | 2290 | 147.00 | 203 |
| 44.00 | 2628 | 72.00 | 3311 | 105.00 | 738 | 148.00 | 1610 |
| 45.00 | 5169 | 73.00 | 27440 | 106.00 | 2307 | 149.00 | 196 |
| 46.00 | 173 | 74.00 | 109544 | 107.00 | 589 | 150.00 | 875 |
| 47.00 | 6722 | 75.00 | 334400 | 111.00 | 203 | 153.00 | 450 |
| 48.00 | 3482 | 76.00 | 28344 | 112.00 | 177 | 154.00 | 173 |
| 49.00 | 24280 | 77.00 | 3647 | 113.00 | 221 | 155.00 | 1635 |
| 50.00 | 120976 | 78.00 | 2174 | 115.00 | 727 | 157.00 | 1057 |
| 51.00 | 38024 | 79.00 | 13376 | 116.00 | 1861 | 159.00 | 809 |
| 52.00 | 1825 | 80.00 | 3946 | 117.00 | 3697 | 161.00 | 591 |
| 53.00 | 169 | 81.00 | 14193 | 118.00 | 2231 | 172.00 | 1065 |
| 55.00 | 1318 | 82.00 | 2885 | 119.00 | 3151 | 173.00 | 3179 |
| 56.00 | 9016 | 83.00 | 589 | 128.00 | 2356 | 174.00 | 622912 |
| 57.00 | 16696 | 86.00 | 478 | 129.00 | 1058 | 175.00 | 42928 |
| 58.00 | 745 | 87.00 | 26920 | 130.00 | 2393 | 176.00 | 606400 |
| 60.00 | 5670 | 88.00 | 26256 | 131.00 | 798 | 177.00 | 38496 |
| 61.00 | 29328 | 91.00 | 2106 | 135.00 | 1163 | 178.00 | 1101 |
| 62.00 | 29264 | 92.00 | 17432 | 137.00 | 1096 | | |
| 63.00 | 21184 | 93.00 | 27552 | 140.00 | 173 | | |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130206-17154.b\BFB298.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 06-Feb-2013 09:22:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | 240-0017154-001 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 26 |
| Lims Batch ID: | 74426 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130206-17154.b\8260_17.m | | |
| Last Update: | 06-Feb-2013 14:02:54 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK029 | | |
| First Level Reviewer: quayler | | Date: | 06-Feb-2013 10:11:57 |

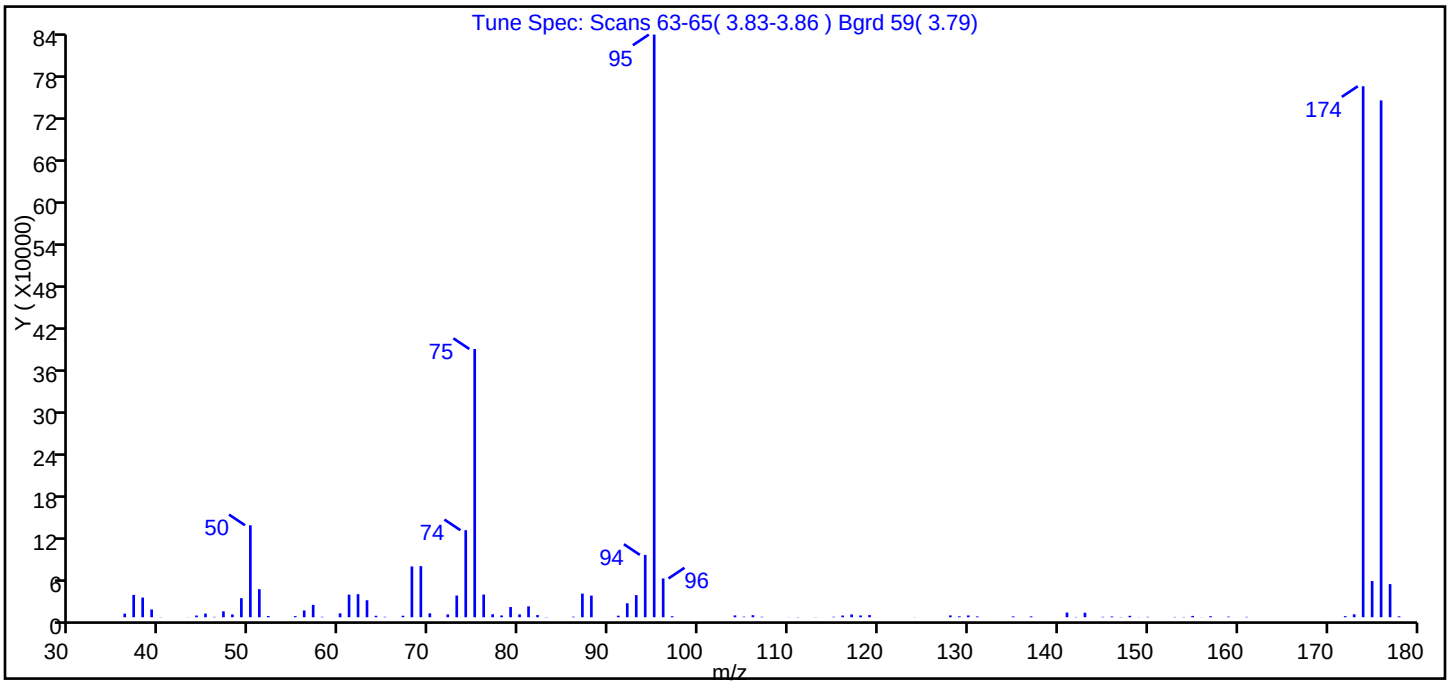
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 5 BFB | 95 | 3.846 | 3.846 | 0.0 | 0 | 1949262 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130206-17154.b\BFB298.D | | |
| Injection Date: | 06-Feb-2013 09:22:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74426 | Lims Sample ID: | 1 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 5 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 15.79 |
| 75 | 30.00 - 60.00% of mass 95 | 46.04 |
| 96 | 5.00 - 9.00% of mass 95 | 6.66 |
| 173 | Less than 2.00% of mass 174 | 0.50 ( 0.55) |
| 174 | Greater than 50.00% of mass 95 | 91.14 |
| 175 | 5.00 - 9.00% of mass 174 | 6.22 ( 6.82) |
| 176 | 95.00 - 101.00% of mass 174 | 88.70 ( 97.33) |
| 177 | 5.00 - 9.00% of mass 176 | 5.69 ( 6.42) |

Data File: \\NCCHROM\ChromData\A3UX17\20130206-17154.b\BFB298.D\8260_17.rslt\spectra.d
Injection Date: 06-Feb-2013 09:22:30
Spectrum: Tune Spec: Scans 63-65( 3.83-3.86 ) Bgrd 59( 3.79)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 93

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 5196 | 65.00 | 649 | 95.00 | 831040 | 143.00 | 6448 |
| 37.00 | 31856 | 67.00 | 2179 | 96.00 | 55320 | 145.00 | 630 |
| 38.00 | 28064 | 68.00 | 72432 | 97.00 | 1495 | 146.00 | 1135 |
| 39.00 | 11137 | 69.00 | 72888 | 104.00 | 2628 | 147.00 | 363 |
| 40.00 | 321 | 70.00 | 5616 | 105.00 | 823 | 148.00 | 2048 |
| 43.00 | 195 | 72.00 | 4063 | 106.00 | 2978 | 149.00 | 172 |
| 44.00 | 2490 | 73.00 | 30976 | 107.00 | 674 | 150.00 | 619 |
| 45.00 | 5244 | 74.00 | 124152 | 110.00 | 176 | 153.00 | 485 |
| 46.00 | 541 | 75.00 | 382592 | 111.00 | 344 | 154.00 | 390 |
| 47.00 | 8442 | 76.00 | 32376 | 113.00 | 235 | 155.00 | 1927 |
| 48.00 | 3999 | 77.00 | 4291 | 115.00 | 688 | 156.00 | 187 |
| 49.00 | 27256 | 78.00 | 2550 | 116.00 | 2451 | 157.00 | 1457 |
| 50.00 | 131200 | 79.00 | 14576 | 117.00 | 3973 | 159.00 | 898 |
| 51.00 | 40024 | 80.00 | 4109 | 118.00 | 2531 | 161.00 | 571 |
| 52.00 | 1804 | 81.00 | 15553 | 119.00 | 3085 | 172.00 | 1596 |
| 55.00 | 1661 | 82.00 | 3140 | 124.00 | 190 | 173.00 | 4166 |
| 56.00 | 9718 | 83.00 | 372 | 128.00 | 2604 | 174.00 | 757376 |
| 57.00 | 17632 | 86.00 | 828 | 129.00 | 1326 | 175.00 | 51672 |
| 58.00 | 661 | 87.00 | 33728 | 130.00 | 2602 | 176.00 | 737152 |
| 60.00 | 5593 | 88.00 | 30856 | 131.00 | 1190 | 177.00 | 47296 |
| 61.00 | 32256 | 91.00 | 2192 | 135.00 | 1216 | 178.00 | 1318 |
| 62.00 | 32944 | 92.00 | 19952 | 137.00 | 1281 | | |
| 63.00 | 24272 | 93.00 | 31552 | 141.00 | 6709 | | |
| 64.00 | 2141 | 94.00 | 88928 | 142.00 | 482 | | |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\BFB301.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 11-Feb-2013 12:37:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | | | |
| Misc. Info.: | | | |
| Operator: | 001644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m | | |
| Last Update: | 12-Feb-2013 09:53:39 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK008 | | |
| First Level Reviewer: | williamsla | Date: | 11-Feb-2013 13:10:02 |

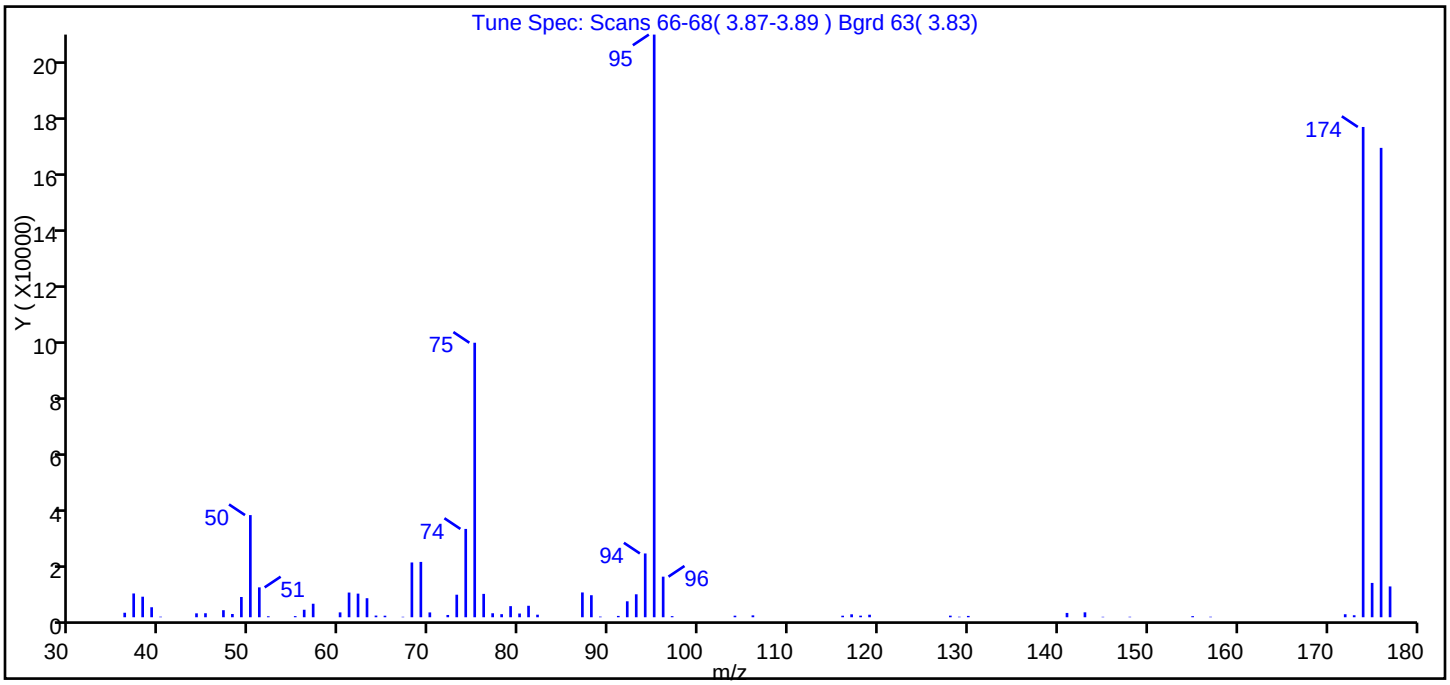
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 5 BFB | 95 | 3.881 | 3.881 | 0.0 | 0 | 550514 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\BFB301.D | | |
| Injection Date: | 11-Feb-2013 12:37:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 1 |
| Operator ID: | 001644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 5 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 17.53 |
| 75 | 30.00 - 60.00% of mass 95 | 47.11 |
| 96 | 5.00 - 9.00% of mass 95 | 6.97 |
| 173 | Less than 2.00% of mass 174 | 0.35 ( 0.41) |
| 174 | Greater than 50.00% of mass 95 | 84.15 |
| 175 | 5.00 - 9.00% of mass 174 | 5.89 ( 7.00) |
| 176 | 95.00 - 101.00% of mass 174 | 80.56 ( 95.74) |
| 177 | 5.00 - 9.00% of mass 176 | 5.29 ( 6.57) |

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\BFB301.D\8260_17.rslt\spectra.d
Injection Date: 11-Feb-2013 12:37:30
Spectrum: Tune Spec: Scans 66-68( 3.87-3.89 ) Bgrd 63( 3.83)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 68

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1615 | 61.00 | 8848 | 80.00 | 1337 | 118.00 | 573 |
| 37.00 | 8519 | 62.00 | 8464 | 81.00 | 4113 | 119.00 | 904 |
| 38.00 | 7362 | 63.00 | 6822 | 82.00 | 917 | 128.00 | 574 |
| 39.00 | 3585 | 64.00 | 605 | 87.00 | 8885 | 129.00 | 194 |
| 40.00 | 205 | 65.00 | 558 | 88.00 | 7895 | 130.00 | 482 |
| 44.00 | 1405 | 67.00 | 172 | 89.00 | 231 | 141.00 | 1548 |
| 45.00 | 1435 | 68.00 | 19624 | 91.00 | 480 | 143.00 | 1765 |
| 47.00 | 2529 | 69.00 | 19824 | 92.00 | 5718 | 145.00 | 167 |
| 48.00 | 1168 | 70.00 | 1732 | 93.00 | 8228 | 148.00 | 181 |
| 49.00 | 7252 | 72.00 | 819 | 94.00 | 22848 | 155.00 | 396 |
| 50.00 | 36592 | 73.00 | 8077 | 95.00 | 208704 | 157.00 | 190 |
| 51.00 | 10707 | 74.00 | 31640 | 96.00 | 14540 | 172.00 | 1081 |
| 52.00 | 348 | 75.00 | 98328 | 97.00 | 398 | 173.00 | 721 |
| 55.00 | 411 | 76.00 | 8373 | 104.00 | 561 | 174.00 | 175616 |
| 56.00 | 2689 | 77.00 | 1433 | 106.00 | 680 | 175.00 | 12297 |
| 57.00 | 4844 | 78.00 | 1107 | 116.00 | 552 | 176.00 | 168128 |
| 60.00 | 1745 | 79.00 | 3980 | 117.00 | 1058 | 177.00 | 11040 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\BFB302.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 12-Feb-2013 13:59:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | | | |
| Misc. Info.: | | | |
| Operator: | 001644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m | | |
| Last Update: | 13-Feb-2013 09:51:16 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK034 | | |
| First Level Reviewer: | williamsla | Date: | 12-Feb-2013 12:32:06 |

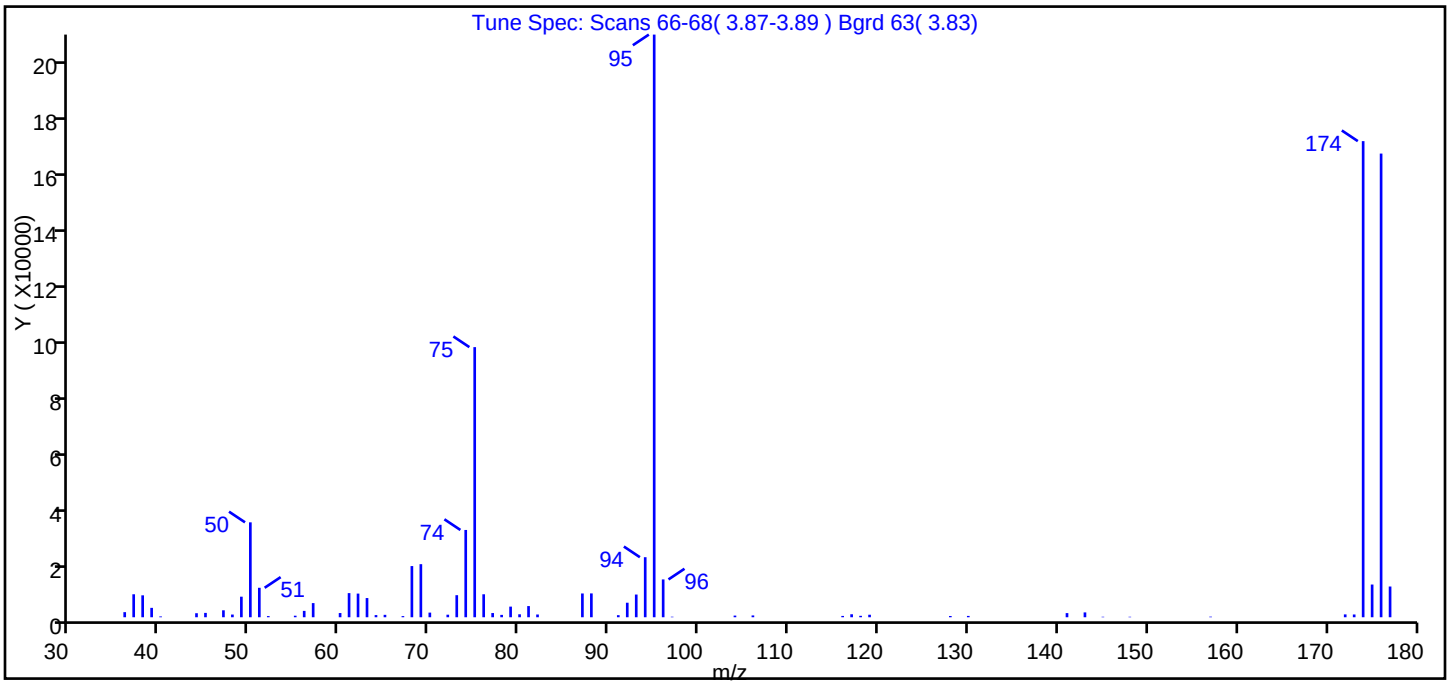
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 5 BFB | 95 | 3.881 | 3.881 | 0.0 | 0 | 527757 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130212-17290.b\BFB302.D | | |
| Injection Date: | 12-Feb-2013 13:59:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 1 |
| Operator ID: | 001644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 5 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 16.29 |
| 75 | 30.00 - 60.00% of mass 95 | 46.36 |
| 96 | 5.00 - 9.00% of mass 95 | 6.49 |
| 173 | Less than 2.00% of mass 174 | 0.48 ( 0.58) |
| 174 | Greater than 50.00% of mass 95 | 81.71 |
| 175 | 5.00 - 9.00% of mass 174 | 5.62 ( 6.87) |
| 176 | 95.00 - 101.00% of mass 174 | 79.58 ( 97.39) |
| 177 | 5.00 - 9.00% of mass 176 | 5.28 ( 6.63) |

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\BFB302.D\8260_17.rslt\spectra.d
Injection Date: 12-Feb-2013 13:59:30
Spectrum: Tune Spec: Scans 66-68( 3.87-3.89 ) Bgrd 63( 3.83)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1762 | 61.00 | 8322 | 80.00 | 1025 | 119.00 | 871 |
| 37.00 | 7927 | 62.00 | 8158 | 81.00 | 3854 | 128.00 | 426 |
| 38.00 | 7560 | 63.00 | 6622 | 82.00 | 950 | 130.00 | 461 |
| 39.00 | 3242 | 64.00 | 748 | 87.00 | 8201 | 141.00 | 1432 |
| 40.00 | 281 | 65.00 | 837 | 88.00 | 8223 | 143.00 | 1674 |
| 44.00 | 1393 | 67.00 | 397 | 91.00 | 717 | 145.00 | 172 |
| 45.00 | 1503 | 68.00 | 17648 | 92.00 | 5007 | 148.00 | 170 |
| 47.00 | 2403 | 69.00 | 18304 | 93.00 | 7832 | 157.00 | 211 |
| 48.00 | 936 | 70.00 | 1602 | 94.00 | 20704 | 172.00 | 988 |
| 49.00 | 7093 | 72.00 | 882 | 95.00 | 200896 | 173.00 | 958 |
| 50.00 | 32728 | 73.00 | 7609 | 96.00 | 13041 | 174.00 | 164160 |
| 51.00 | 10163 | 74.00 | 30096 | 97.00 | 186 | 175.00 | 11283 |
| 52.00 | 403 | 75.00 | 93136 | 104.00 | 574 | 176.00 | 159872 |
| 55.00 | 532 | 76.00 | 7924 | 106.00 | 627 | 177.00 | 10599 |
| 56.00 | 2197 | 77.00 | 1454 | 116.00 | 458 | | |
| 57.00 | 4880 | 78.00 | 820 | 117.00 | 1036 | | |
| 60.00 | 1455 | 79.00 | 3668 | 118.00 | 496 | | |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\A3UX8\20130206-17176.b\BFB8188.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 06-Feb-2013 18:59:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | 240-0017176-001 | | |
| Misc. Info.: | M30206A,BFBSUX8,,402279 | | |
| Operator: | 402279 | Instrument ID: | A3UX8 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\Ncchrom\ChromData\A3UX8\20130206-17176.b\8260_8.m | | |
| Last Update: | 07-Feb-2013 22:11:19 | Calib Date: | 07-Feb-2013 00:21:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK037 | | |
| First Level Reviewer: latat | | Date: | 06-Feb-2013 20:22:39 |

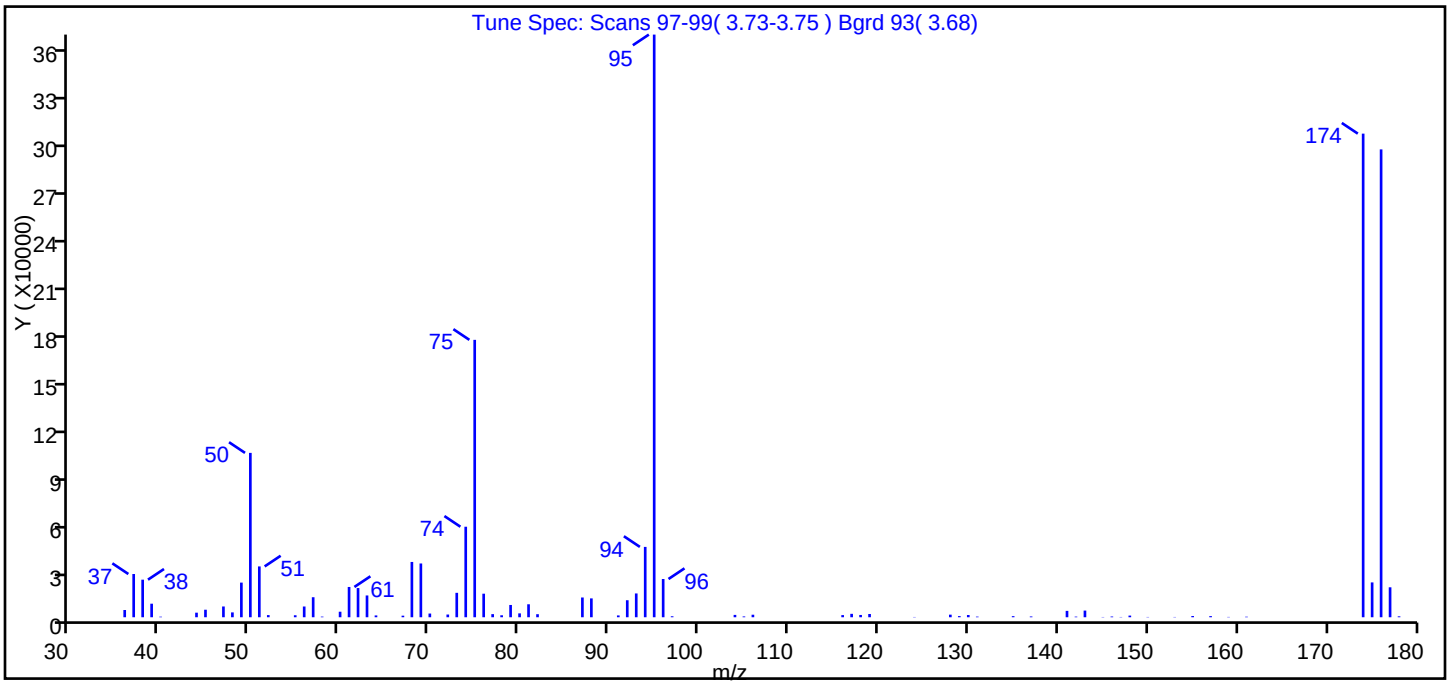
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 4 BFB | 95 | 3.740 | 3.740 | 0.0 | 0 | 1056979 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\A3UX8\20130206-17176.b\BFB8188.D | | |
| Injection Date: | 06-Feb-2013 18:59:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74529 | Lims Sample ID: | 1 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 4 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 28.21 |
| 75 | 30.00 - 60.00% of mass 95 | 47.61 |
| 96 | 5.00 - 9.00% of mass 95 | 6.56 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 83.00 |
| 175 | 5.00 - 9.00% of mass 174 | 5.98 ( 7.20) |
| 176 | 95.00 - 101.00% of mass 174 | 80.30 ( 96.74) |
| 177 | 5.00 - 9.00% of mass 176 | 5.14 ( 6.40) |

Report Date: 07-Feb-2013 22:11:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\BFB8188.D\8260_8.rslt\spectra.d
Injection Date: 06-Feb-2013 18:59:30
Spectrum: Tune Spec: Scans 97-99( 3.73-3.75 ) Bgrd 93( 3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 4562 | 63.00 | 13716 | 92.00 | 10714 | 141.00 | 4011 |
| 37.00 | 27216 | 64.00 | 1151 | 93.00 | 14983 | 142.00 | 410 |
| 38.00 | 23648 | 67.00 | 989 | 94.00 | 44280 | 143.00 | 4199 |
| 39.00 | 8535 | 68.00 | 34808 | 95.00 | 366720 | 145.00 | 172 |
| 40.00 | 363 | 69.00 | 33848 | 96.00 | 24072 | 146.00 | 468 |
| 44.00 | 2878 | 70.00 | 2339 | 97.00 | 617 | 147.00 | 176 |
| 45.00 | 4742 | 72.00 | 1717 | 104.00 | 1484 | 148.00 | 1044 |
| 47.00 | 6785 | 73.00 | 15371 | 105.00 | 516 | 150.00 | 187 |
| 48.00 | 3056 | 74.00 | 56976 | 106.00 | 1598 | 153.00 | 183 |
| 49.00 | 21816 | 75.00 | 174592 | 116.00 | 1357 | 155.00 | 767 |
| 50.00 | 103456 | 76.00 | 14834 | 117.00 | 2153 | 157.00 | 712 |
| 51.00 | 31992 | 77.00 | 1971 | 118.00 | 1440 | 159.00 | 208 |
| 52.00 | 1357 | 78.00 | 1248 | 119.00 | 2051 | 161.00 | 347 |
| 55.00 | 1255 | 79.00 | 7729 | 124.00 | 176 | 174.00 | 304384 |
| 56.00 | 6769 | 80.00 | 2444 | 128.00 | 1631 | 175.00 | 21928 |
| 57.00 | 12605 | 81.00 | 8168 | 129.00 | 723 | 176.00 | 294464 |
| 58.00 | 410 | 82.00 | 1920 | 130.00 | 1401 | 177.00 | 18856 |
| 60.00 | 3484 | 87.00 | 12441 | 131.00 | 413 | 178.00 | 579 |
| 61.00 | 19064 | 88.00 | 11875 | 135.00 | 687 | | |
| 62.00 | 18384 | 91.00 | 1151 | 137.00 | 505 | | |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\A3UX8\20130207-17213.b\BFB8190.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 07-Feb-2013 22:53:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | 240-0017213-002 | | |
| Misc. Info.: | M30207A,BFBSUX8,,402279 | | |
| Operator: | 402279 | Instrument ID: | A3UX8 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 2 |
| Detector: | MS SCAN | | |
| Method: | \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m | | |
| Last Update: | 09-Feb-2013 03:24:35 | Calib Date: | 07-Feb-2013 00:21:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK004 | | |
| First Level Reviewer: latat | | Date: | 07-Feb-2013 23:33:24 |

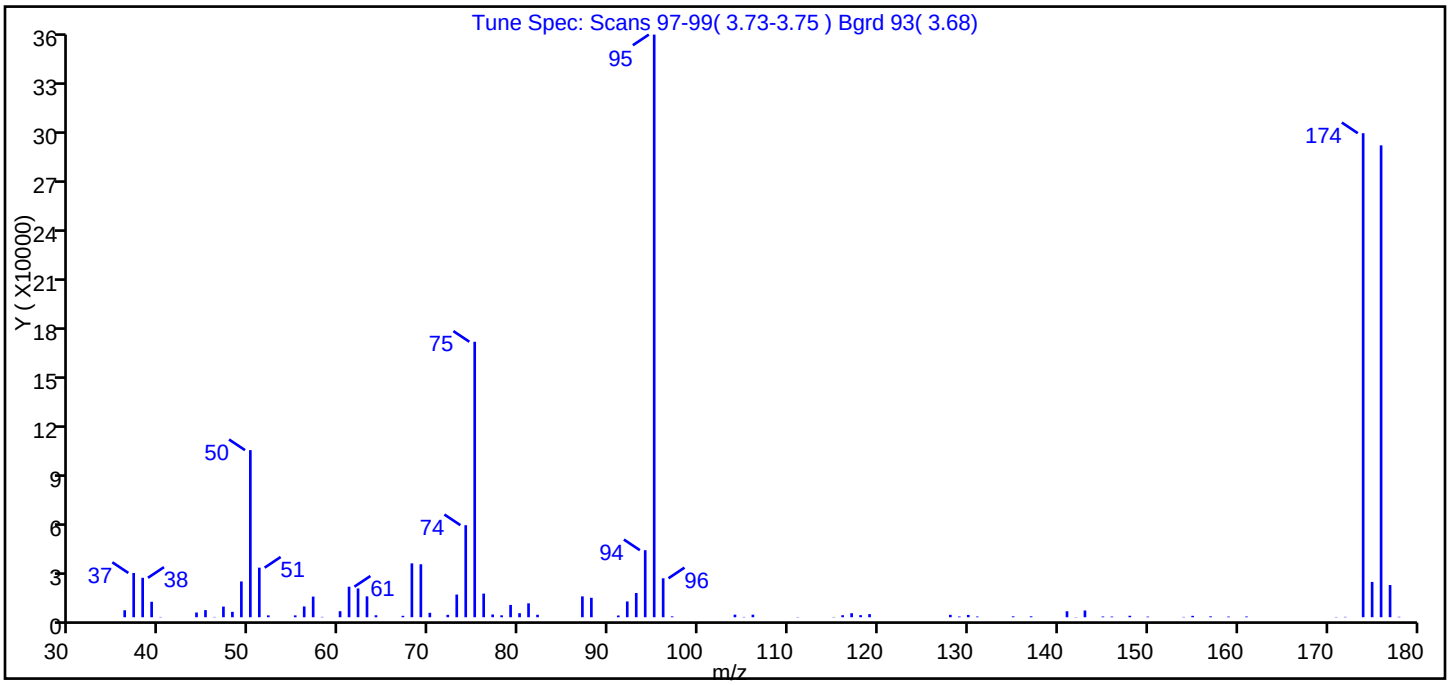
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 4 BFB | 95 | 3.741 | 3.741 | 0.0 | 0 | 986931 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\A3UX8\20130207-17213.b\BFB8190.D | | |
| Injection Date: | 07-Feb-2013 22:53:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 2 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 4 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 28.68 |
| 75 | 30.00 - 60.00% of mass 95 | 47.28 |
| 96 | 5.00 - 9.00% of mass 95 | 6.69 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 83.07 |
| 175 | 5.00 - 9.00% of mass 174 | 6.06 ( 7.30) |
| 176 | 95.00 - 101.00% of mass 174 | 80.99 ( 97.49) |
| 177 | 5.00 - 9.00% of mass 176 | 5.53 ( 6.83) |

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\BFB8190.D\8260_8.rslt\spectra.d
Injection Date: 07-Feb-2013 22:53:30
Spectrum: Tune Spec: Scans 97-99( 3.73-3.75 ) Bgrd 93( 3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 81

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 4243 | 63.00 | 12681 | 93.00 | 14722 | 142.00 | 167 |
| 37.00 | 26848 | 64.00 | 1220 | 94.00 | 40640 | 143.00 | 4104 |
| 38.00 | 23912 | 67.00 | 878 | 95.00 | 353152 | 145.00 | 471 |
| 39.00 | 9386 | 68.00 | 32664 | 96.00 | 23624 | 146.00 | 424 |
| 40.00 | 189 | 69.00 | 32112 | 97.00 | 522 | 148.00 | 903 |
| 44.00 | 2891 | 70.00 | 2710 | 104.00 | 1576 | 150.00 | 401 |
| 45.00 | 4340 | 72.00 | 1480 | 105.00 | 209 | 154.00 | 216 |
| 46.00 | 198 | 73.00 | 13765 | 106.00 | 1566 | 155.00 | 861 |
| 47.00 | 6468 | 74.00 | 55808 | 111.00 | 172 | 157.00 | 552 |
| 48.00 | 3297 | 75.00 | 166976 | 115.00 | 174 | 159.00 | 419 |
| 49.00 | 21704 | 76.00 | 14335 | 116.00 | 1237 | 161.00 | 467 |
| 50.00 | 101288 | 77.00 | 1676 | 117.00 | 2464 | 171.00 | 183 |
| 51.00 | 30064 | 78.00 | 1162 | 118.00 | 1287 | 172.00 | 239 |
| 52.00 | 1145 | 79.00 | 7474 | 119.00 | 1884 | 174.00 | 293376 |
| 55.00 | 1131 | 80.00 | 2467 | 128.00 | 1463 | 175.00 | 21408 |
| 56.00 | 6547 | 81.00 | 8429 | 129.00 | 453 | 176.00 | 286016 |
| 57.00 | 12526 | 82.00 | 1507 | 130.00 | 1393 | 177.00 | 19528 |
| 58.00 | 228 | 87.00 | 12650 | 131.00 | 451 | 178.00 | 270 |
| 60.00 | 3671 | 88.00 | 11802 | 135.00 | 560 | | |
| 61.00 | 18528 | 91.00 | 1067 | 137.00 | 573 | | |
| 62.00 | 17472 | 92.00 | 9574 | 141.00 | 3644 | | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-74675/7

Matrix: Solid | Lab File ID: UX83294.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 02/08/2013 00:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 20 | 6.3 |
| 71-43-2 | Benzene | ND | | 5.0 | 0.23 |
| 75-27-4 | Dichlorobromomethane | ND | | 5.0 | 0.28 |
| 75-25-2 | Bromoform | ND | | 5.0 | 0.33 |
| 74-83-9 | Bromomethane | ND | | 5.0 | 0.54 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 20 | 1.4 |
| 75-15-0 | Carbon disulfide | ND | | 5.0 | 0.44 |
| 56-23-5 | Carbon tetrachloride | ND | | 5.0 | 0.37 |
| 108-90-7 | Chlorobenzene | ND | | 5.0 | 0.33 |
| 75-00-3 | Chloroethane | ND | | 5.0 | 0.86 |
| 67-66-3 | Chloroform | ND | | 5.0 | 0.29 |
| 74-87-3 | Chloromethane | ND | | 5.0 | 0.41 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 5.0 | 0.36 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 5.0 | 0.34 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 5.0 | 0.52 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 5.0 | 0.69 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 5.0 | 0.34 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 5.0 | 0.54 |
| 100-41-4 | Ethylbenzene | ND | | 5.0 | 0.26 |
| 591-78-6 | 2-Hexanone | ND | | 20 | 0.63 |
| 75-09-2 | Methylene Chloride | ND | | 5.0 | 0.67 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 0.54 |
| 100-42-5 | Styrene | ND | | 5.0 | 0.15 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.34 |
| 127-18-4 | Tetrachloroethene | ND | | 5.0 | 0.52 |
| 108-88-3 | Toluene | ND | | 5.0 | 0.27 |
| 79-01-6 | Trichloroethene | ND | | 5.0 | 0.42 |
| 75-01-4 | Vinyl chloride | ND | | 5.0 | 0.39 |
| 1330-20-7 | Xylenes, Total | ND | | 10 | 0.67 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 5.0 | 0.56 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 5.0 | 0.39 |
| 110-82-7 | Cyclohexane | ND | | 10 | 0.33 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.3 |
| 106-93-4 | Ethylene Dibromide | ND | | 5.0 | 0.50 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 5.0 | 0.50 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 5.0 | 0.36 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-74675/7

Matrix: Solid | Lab File ID: UX83294.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 02/08/2013 00:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 5.0 | 0.41 |
| 98-82-8 | Isopropylbenzene | ND | | 5.0 | 0.16 |
| 79-20-9 | Methyl acetate | ND | | 10 | 1.4 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 20 | 0.43 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.27 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 5.0 | 0.36 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 5.0 | 0.35 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 5.0 | 0.66 |
| 75-69-4 | Trichlorofluoromethane | ND | | 5.0 | 0.34 |
| 124-48-1 | Chlorodibromomethane | ND | | 5.0 | 0.55 |
| 108-87-2 | Methylcyclohexane | ND | | 10 | 0.31 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90 | | 58-123 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 95 | | 52-136 |
| 2037-26-5 | Toluene-d8 (Surr) | 99 | | 67-125 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 37-132 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83294.D
Lims ID: MB Client ID:
Inject. Date: 08-Feb-2013 00:39:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017213-007
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 74675 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:31:30 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: latat Date: 08-Feb-2013 01:13:24

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.155 | 5.156 | -0.001 | 99 | 1663592 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.686 | 7.687 | -0.001 | 90 | 1190891 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.874 | 9.875 | -0.001 | 98 | 559789 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.622 | 4.627 | -0.005 | 58 | 338498 | 46.9 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.894 | 4.887 | 0.007 | 92 | 419540 | 44.9 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.420 | 6.425 | -0.005 | 95 | 1261512 | 49.5 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.762 | 8.755 | 0.007 | 92 | 424695 | 47.3 | |
| 135 1,4-Dichlorobutane | 1 | | 0.000 | | | | | |
| 134 Chlorodifluoromethane TIC | 1 | | 0.000 | | | | | |
| 138 Butyl Methacrylate TIC | 1 | | 0.000 | | | | | |
| 12 Dichlorodifluoromethane | 85 | | 1.575 | | | | | |
| 13 Chloromethane | 50 | | 1.753 | | | | | |
| 14 Vinyl chloride | 62 | | 1.871 | | | | | |
| 15 Bromomethane | 94 | | 2.190 | | | | | |
| 16 Chloroethane | 64 | | 2.285 | | | | | |
| 17 Dichlorofluoromethane | 67 | | 2.447 | | | | | |
| 18 Trichlorofluoromethane | 101 | | 2.510 | | | | | |
| 19 Ethyl ether | 59 | | 2.743 | | | | | |
| 20 Acrolein | 56 | | 2.841 | | | | | |
| 25 Methylal | 45 | | 2.856 | | | | | |
| 21 1,1-Dichloroethene | 96 | | 2.935 | | | | | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.947 | | | | | |
| 22 Acetone | 43 | 2.955 | 2.959 | -0.004 | 88 | 24346 | 4.95 | |
| 24 Iodomethane | 142 | | 3.054 | | | | | |
| 26 Carbon disulfide | 76 | | 3.113 | | | | | |
| 27 Acetonitrile | 41 | | 3.172 | | | | | |
| 29 3-Chloro-1-propene | 76 | | 3.216 | | | | | |
| 28 Methyl acetate | 43 | | 3.219 | | | | | 9 |
| 30 Methylene Chloride | 84 | | 3.302 | | | | | |
| 31 2-Methyl-2-propanol | 59 | | 3.373 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | | 3.480 | | | | | |
| 34 Methyl tert-butyl ether | 73 | | 3.515 | | | | | 9 |
| 33 trans-1,2-Dichloroethene | 96 | | 3.527 | | | | | |
| 35 Hexane | 86 | | 3.728 | | | | | |
| 36 1,1-Dichloroethane | 63 | | 3.834 | | | | | |
| 37 Vinyl acetate | 86 | | 3.858 | | | | | |
| 38 Isopropyl ether | 87 | | 3.878 | | | | | |
| 39 2-Chloro-1,3-butadiene | 53 | | 3.914 | | | | | |
| 40 Tert-butyl ethyl ether | 59 | | 4.150 | | | | | 9 |
| 42 cis-1,2-Dichloroethene | 96 | | 4.272 | | | | | |
| 41 2-Butanone (MEK) | 43 | 4.267 | 4.272 | -0.005 | 84 | 6400 | 0.9303 | |
| 43 2,2-Dichloropropane | 77 | | 4.284 | | | | | |
| 45 Ethyl acetate | 43 | | 4.304 | | | | | 9 |
| 44 Propionitrile | 54 | | 4.304 | | | | | |
| 46 Methacrylonitrile | 41 | | 4.434 | | | | | |
| 47 Chlorobromomethane | 128 | | 4.449 | | | | | |
| 48 Tetrahydrofuran | 42 | | 4.497 | | | | | |
| 49 Chloroform | 83 | | 4.509 | | | | | |
| 50 1,1,1-Trichloroethane | 97 | | 4.662 | | | | | |
| 51 Cyclohexane | 56 | | 4.722 | | | | | |
| 52 1,1-Dichloropropene | 75 | | 4.793 | | | | | |
| 53 Carbon tetrachloride | 117 | | 4.804 | | | | | |
| 54 Isobutyl alcohol | 41 | 4.823 | 4.813 | 0.010 | 59 | 6342 | 17.1 | |
| 56 1,2-Dichloroethane | 62 | | 4.946 | | | | | |
| 55 Benzene | 78 | | 4.946 | | | | | 9 |
| 57 Tert-amyl methyl ether | 73 | | 5.014 | | | | | |
| 58 n-Heptane | 100 | | 5.132 | | | | | |
| 59 n-Butanol | 56 | | 5.321 | | | | | |
| 60 Trichloroethene | 130 | | 5.443 | | | | | |
| 61 Ethyl acrylate | 55 | | 5.487 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.609 | | | | | |
| 62 1,2-Dichloropropane | 63 | | 5.621 | | | | | |
| 64 Methyl methacrylate | 41 | | 5.676 | | | | | 9 |
| 65 Dibromomethane | 93 | | 5.715 | | | | | |
| 66 1,4-Dioxane | 88 | | 5.715 | | | | | |
| 67 Dichlorobromomethane | 83 | | 5.822 | | | | | |
| 68 2-Nitropropane | 41 | | 5.996 | | | | | |
| 69 2-Chloroethyl vinyl ether | 63 | | 6.046 | | | | | |
| 70 cis-1,3-Dichloropropene | 75 | | 6.188 | | | | | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.302 | 6.295 | 0.007 | 76 | 11035 | 0.8986 | |
| 72 Toluene | 91 | | 6.484 | | | | | 9 |
| 73 trans-1,3-Dichloropropene | 75 | | 6.638 | | | | | |
| 74 Ethyl methacrylate | 69 | | 6.709 | | | | | |
| 75 1,1,2-Trichloroethane | 97 | | 6.803 | | | | | |
| 77 Tetrachloroethene | 164 | | 6.957 | | | | | |
| 76 1,3-Dichloropropane | 76 | | 6.957 | | | | | |
| 78 2-Hexanone | 43 | 7.012 | 7.004 | 0.008 | 55 | 13017 | 1.55 | |
| 132 n-Butyl acetate | 43 | | 7.108 | | | | | |
| 79 Chlorodibromomethane | 129 | | 7.158 | | | | | |
| 80 Tetrahydrothiophene | 60 | | 7.255 | | | | | |
| 123 Ethylene Dibromide | 107 | | 7.276 | | | | | |
| 81 1-Chlorohexane | 91 | | 7.663 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 82 Chlorobenzene | 112 | | 7.714 | | | | | 9 |
| 83 1,1,1,2-Tetrachloroethane | 131 | | 7.773 | | | | | |
| 84 Ethylbenzene | 106 | | 7.797 | | | | | |
| 10 m-Xylene & p-Xylene | 106 | | 7.903 | | | | | 9 |
| 85 o-Xylene | 106 | | 8.270 | | | | | |
| 86 Styrene | 104 | | 8.282 | | | | | 9 |
| 87 Bromoform | 173 | | 8.459 | | | | | |
| 88 Isopropylbenzene | 105 | | 8.613 | | | | | 9 |
| 89 Cyclohexanone | 55 | 8.703 | 8.704 | -0.001 | 66 | 11142 | 5.03 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | | 8.873 | | | | | |
| 91 Bromobenzene | 156 | | 8.909 | | | | | |
| 92 1,2,3-Trichloropropane | 110 | | 8.921 | | | | | |
| 93 trans-1,4-Dichloro-2-butene | 53 | | 8.932 | | | | | |
| 94 N-Propylbenzene | 120 | | 9.003 | | | | | |
| 95 2-Chlorotoluene | 126 | | 9.098 | | | | | 9 |
| 96 1,3,5-Trimethylbenzene | 105 | | 9.169 | | | | | 9 |
| 104 4-Chlorotoluene | 126 | | 9.193 | | | | | 9 |
| 97 tert-Butylbenzene | 119 | | 9.488 | | | | | 9 |
| 98 1,2,4-Trimethylbenzene | 105 | 9.531 | 9.536 | -0.005 | 1 | 4498 | 0.1865 | |
| 99 sec-Butylbenzene | 105 | | 9.701 | | | | | 9 |
| 100 1,3-Dichlorobenzene | 146 | | 9.820 | | | | | 9 |
| 101 4-Isopropyltoluene | 119 | | 9.843 | | | | | 9 |
| 102 1,4-Dichlorobenzene | 146 | | 9.902 | | | | | 9 |
| 103 1,2,3-Trimethylbenzene | 105 | | 9.946 | | | | | 9 |
| 133 Benzyl chloride | 126 | | 10.016 | | | | | |
| 105 n-Butylbenzene | 91 | 10.241 | 10.245 | -0.004 | 14 | 5012 | 0.2530 | |
| 106 1,2-Dichlorobenzene | 146 | | 10.269 | | | | | 9 |
| 107 1,2-Dibromo-3-Chloropropane | 157 | | 11.026 | | | | | |
| 108 1,3,5-Trichlorobenzene | 180 | | 11.251 | | | | | |
| 109 1,2,4-Trichlorobenzene | 180 | | 11.854 | | | | | |
| 110 Hexachlorobutadiene | 225 | | 12.032 | | | | | |
| 111 Naphthalene | 128 | | 12.103 | | | | | |
| 112 1,2,3-Trichlorobenzene | 180 | | 12.363 | | | | | 9 |
| 113 2-Methylnaphthalene | 142 | | 13.424 | | | | | 9 |
| S 136 Trihalomethanes, Total | 1 | | 0.000 | | | | | |
| S 11 1,2-Dichloroethene, Total | 96 | | 1.140 | | | | | |
| S 9 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | |
| S 114 Xylenes, Total | 106 | | 16.530 | | | | | |
| T 137 Hexachloroethane TIC | 166 | | 10.500 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

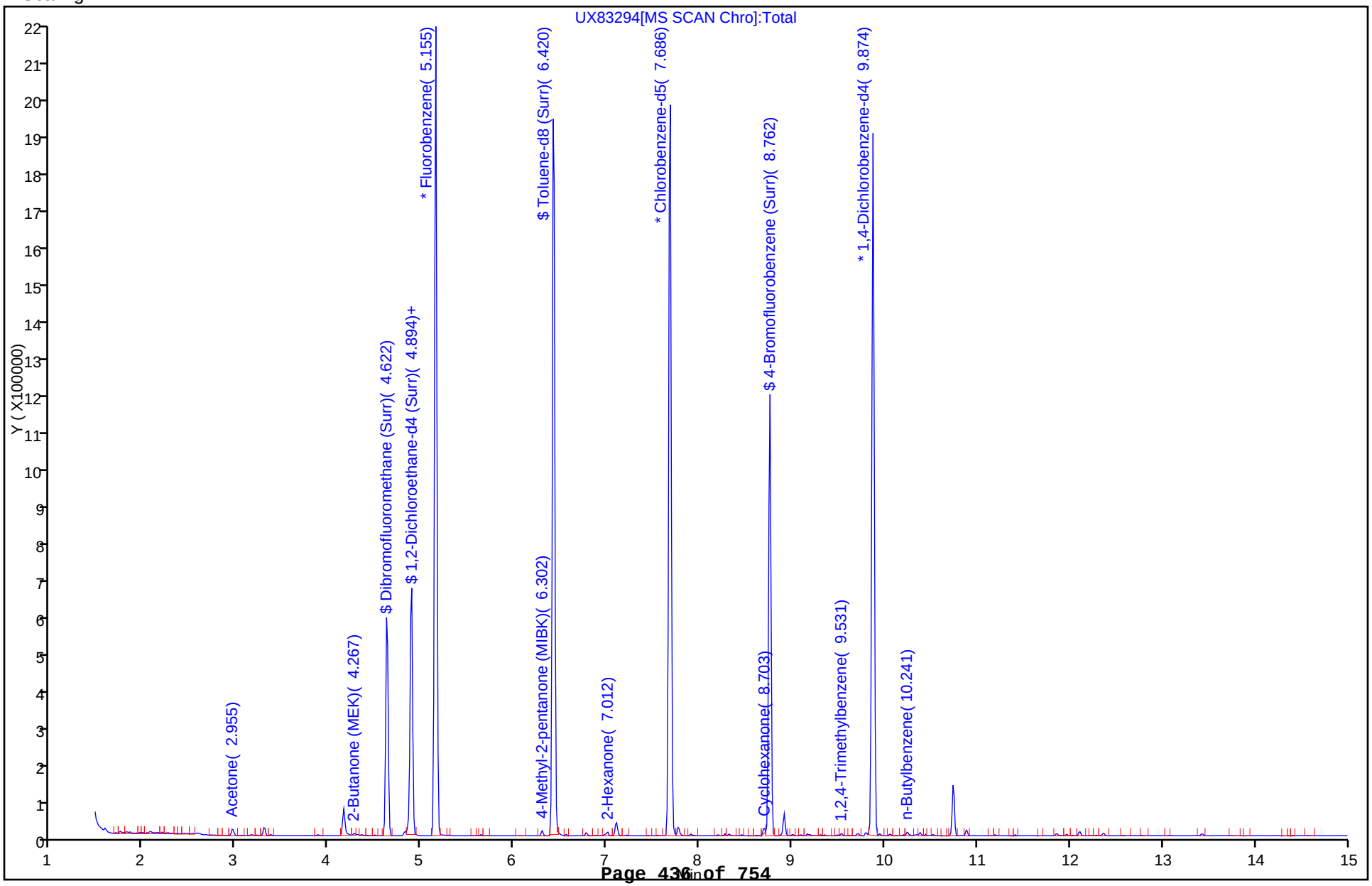
Report Date: 09-Feb-2013 03:31:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83294.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 00:39:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 7 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-74898/5

Matrix: Water | Lab File ID: UXR6296.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 14:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-74898/5

Matrix: Water | Lab File ID: UXR6296.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 14:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 79 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6296.D
Lims ID: MB Client ID:
Inject. Date: 11-Feb-2013 14:27:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017265-005
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 74898 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m
Last Update: 12-Feb-2013 09:53:42 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1690838 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 83 | 1340983 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 716766 | 10.0 | |
| $ 4 1,2-Dichlorobenzene-d4 | 1 | | 0.000 | | | | | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 320253 | 8.36 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 409663 | 8.35 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1355562 | 7.79 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 92 | 448523 | 7.07 | |
| 12 C6-C10 | 1 | | 0.000 | | | | | |
| 13 Benzyl chloride | 126 | | 0.000 | | | | | |
| 10 C6-C12 | 1 | | 0.000 | | | | | |
| 11 1,3-Diethylbenzene TIC | 1 | | 0.000 | | | | | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.826 | | | | | 9 |
| 16 Chlorodifluoromethane TIC | 1 | | 1.900 | | | | | |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.301 | | | | | |
| 19 Chloroethane | 64 | | 2.407 | | | | | 9 |
| 20 Dichlorofluoromethane | 67 | | 2.621 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 23 Methylal | 45 | | 2.941 | | | | | 9 |
| 22 Ethyl ether | 59 | | 2.953 | | | | | |
| 24 Acrolein | 56 | | 3.083 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.178 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.190 | | | | | |
| 27 Acetone | 43 | | 3.237 | | | | | |
| 28 Iodomethane | 142 | | 3.320 | | | | | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 30 Acetonitrile | 41 | 3.522 | 3.510 | 0.012 | 54 | 3855 | 1.75 | |
| 31 3-Chloro-1-propene | 76 | | 3.522 | | | | | |
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 72 | 10440 | 4.00 | |
| 36 Acrylonitrile | 53 | | 3.866 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 38 Hexane | 86 | | 4.115 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 41 Isopropyl ether | 87 | | 4.305 | | | | | |
| 40 Vinyl acetate | 86 | | 4.305 | | | | | |
| 42 2-Chloro-1,3-butadiene | 53 | | 4.340 | | | | | |
| 43 Tert-butyl ethyl ether | 59 | | 4.625 | | | | | |
| 44 2,2-Dichloropropane | 77 | | 4.767 | | | | | 9 |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | |
| 46 2-Butanone (MEK) | 43 | 4.791 | 4.779 | 0.012 | 29 | 1797 | 0.1038 | |
| 47 Ethyl acetate | 43 | | 4.826 | | | | | 9 |
| 48 Propionitrile | 54 | | 4.850 | | | | | |
| 49 Methacrylonitrile | 41 | | 4.980 | | | | | |
| 50 Chlorobromomethane | 128 | | 4.981 | | | | | |
| 51 Tetrahydrofuran | 42 | | 5.016 | | | | | 9 |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | 9 |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 56 1,1-Dichloropropene | 75 | | 5.348 | | | | | |
| 57 Isobutyl alcohol | 41 | 5.431 | 5.431 | 0.0 | 61 | 12434 | 9.54 | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 60 Tert-amyl methyl ether | 73 | | 5.609 | | | | | |
| 61 n-Heptane | 100 | | 5.728 | | | | | |
| 62 n-Butanol | 56 | | 5.988 | | | | | |
| 63 Trichloroethene | 130 | | 6.072 | | | | | |
| 64 Ethyl acrylate | 55 | | 6.100 | | | | | |
| 65 Methylcyclohexane | 83 | | 6.238 | | | | | 9 |
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 67 Methyl methacrylate | 41 | | 6.356 | | | | | |
| 69 Dibromomethane | 93 | | 6.392 | | | | | |
| 68 1,4-Dioxane | 88 | | 6.392 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 71 2-Nitropropane | 41 | | 6.724 | | | | | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | 9 |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 77 Ethyl methacrylate | 69 | | 7.447 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | | 7.696 | | | | | 9 |
| 80 Tetrahydrothiophene | 60 | | 7.700 | | | | | |
| 81 1,3-Dichloropropane | 76 | | 7.720 | | | | | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | |
| 83 n-Butyl acetate | 56 | | 7.874 | | | | | |
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 86 1-Chlorohexane | 91 | | 8.300 | | | | | |
| 87 Chlorobenzene | 112 | | 8.503 | | | | | 9 |
| 88 1,1,1,2-Tetrachloroethane | 131 | | 8.574 | | | | | |
| 89 Ethylbenzene | 106 | | 8.586 | | | | | 9 |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | 9 |
| 91 o-Xylene | 106 | | 9.084 | | | | | |
| 92 Styrene | 104 | | 9.095 | | | | | 9 |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 94 1,4-Dichlorobutane | 55 | | 9.300 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | 9 |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 58 | 11130 | 2.65 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | 9 |
| 98 Bromobenzene | 156 | | 9.748 | | | | | |
| 100 1,2,3-Trichloropropane | 110 | | 9.771 | | | | | |
| 99 trans-1,4-Dichloro-2-butene | 53 | | 9.771 | | | | | |
| 101 N-Propylbenzene | 120 | | 9.819 | | | | | 9 |
| 102 2-Chlorotoluene | 126 | | 9.926 | | | | | 9 |
| 103 1,3,5-Trimethylbenzene | 105 | | 9.997 | | | | | 9 |
| 104 4-Chlorotoluene | 126 | | 10.032 | | | | | 9 |
| 105 tert-Butylbenzene | 119 | | 10.317 | | | | | 9 |
| 106 1,2,4-Trimethylbenzene | 105 | | 10.364 | | | | | 9 |
| 107 sec-Butylbenzene | 105 | | 10.530 | | | | | 9 |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | 9 |
| 109 4-Isopropyltoluene | 119 | | 10.673 | | | | | 9 |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | 9 |
| 111 1,2,3-Trimethylbenzene | 105 | | 10.791 | | | | | 9 |
| 112 n-Butylbenzene | 91 | | 11.076 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | 9 |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 1 | 2333 | 0.3654 | |
| 115 1,3,5-Trichlorobenzene | 180 | | 12.108 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 61 | 25633 | 0.3685 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 61 | 18162 | 0.4303 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 98 | 74408 | 0.4987 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 92 | 43446 | 0.4423 | |
| 120 2-Methylnaphthalene | 142 | 14.384 | 14.396 | -0.012 | 66 | 31791 | 0.3234 | |
| S 121 Trihalomethanes, Total | 1 | | 0.000 | | | | | 7 |
| S 122 1,2-Dichloroethene, Total | 96 | | 1.140 | | | | | 7 |
| S 123 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | 7 |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |
| T 125 Butyl Methacrylate TIC | 1 | | 9.900 | | | | | 1 |
| T 126 Hexachloroethane TIC | 1 | | 11.200 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

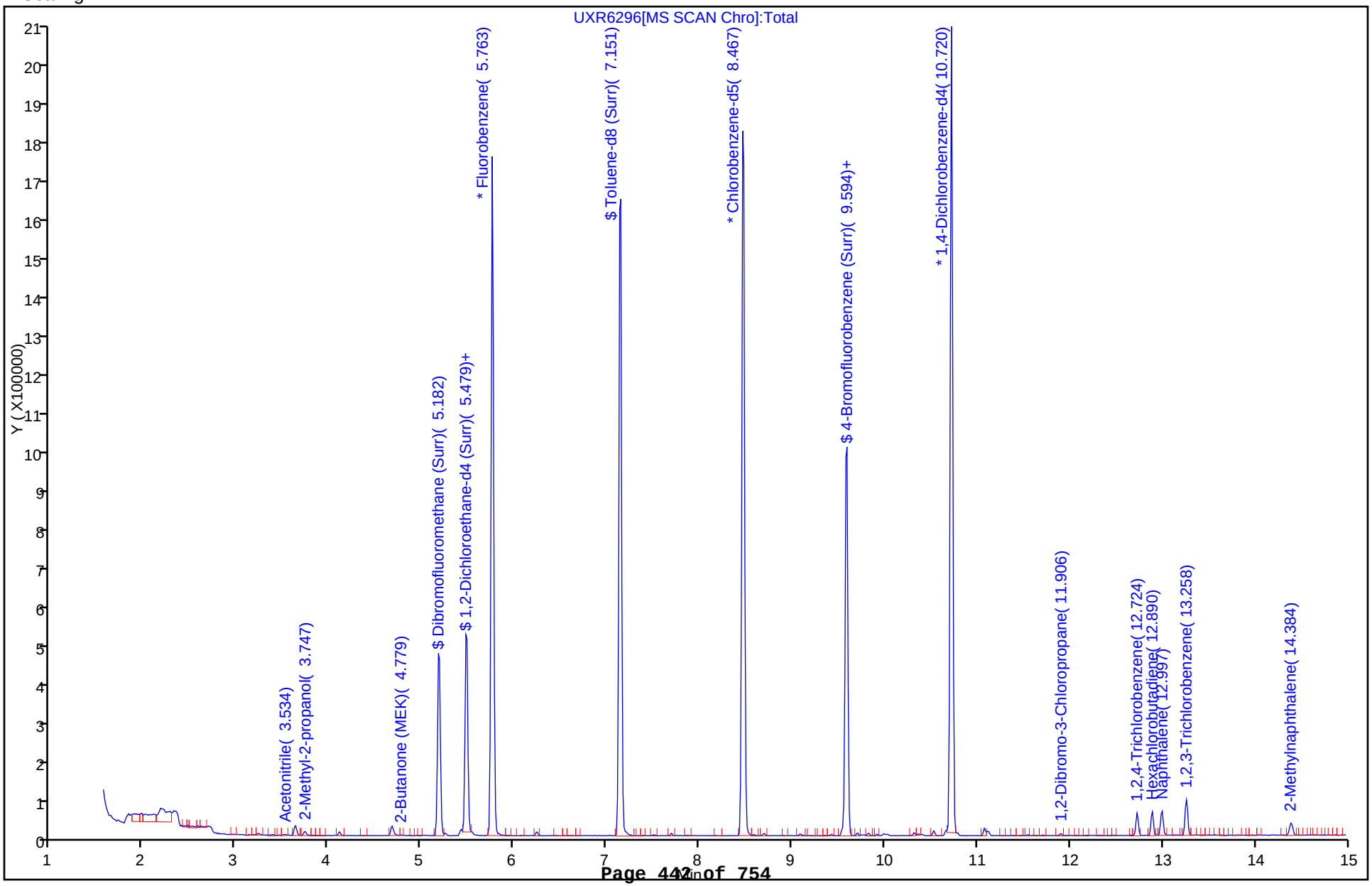
Report Date: 12-Feb-2013 09:53:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6296.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 14:27:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 5 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-75030/5

Matrix: Water | Lab File ID: UXR6322.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 15:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-75030/5

Matrix: Water | Lab File ID: UXR6322.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 15:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 82 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 89 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 93 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6322.D
Lims ID: MB Client ID:
Inject. Date: 12-Feb-2013 15:33:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017290-005
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 75030 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m
Last Update: 13-Feb-2013 09:51:19 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: williamsla Date: 12-Feb-2013 14:00:54

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1620074 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.467 | 0.0 | 85 | 1249938 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 94 | 673077 | 10.0 | |
| $ 4 1,2-Dichlorobenzene-d4 | 1 | | 0.000 | | | | | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 304553 | 8.30 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 409633 | 8.71 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.139 | 0.0 | 93 | 1291930 | 7.96 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 432216 | 7.31 | |
| 12 C6-C10 | 1 | | 0.000 | | | | | |
| 13 Benzyl chloride | 126 | | 0.000 | | | | | |
| 10 C6-C12 | 1 | | 0.000 | | | | | |
| 11 1,3-Diethylbenzene TIC | 1 | | 0.000 | | | | | |
| 14 Dichlorodifluoromethane | 85 | | 1.636 | | | | | |
| 15 Chloromethane | 50 | | 1.814 | | | | | 9 |
| 16 Chlorodifluoromethane TIC | 1 | | 1.900 | | | | | |
| 17 Vinyl chloride | 62 | | 1.945 | | | | | |
| 18 Bromomethane | 94 | | 2.300 | | | | | |
| 19 Chloroethane | 64 | | 2.407 | | | | | 9 |
| 20 Dichlorofluoromethane | 67 | | 2.621 | | | | | |
| 21 Trichlorofluoromethane | 101 | | 2.668 | | | | | |
| 23 Methylal | 45 | | 2.941 | | | | | 9 |
| 22 Ethyl ether | 59 | | 2.953 | | | | | |
| 24 Acrolein | 56 | | 3.083 | | | | | |
| 25 1,1-Dichloroethene | 96 | | 3.166 | | | | | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 3.178 | | | | | 9 |
| 27 Acetone | 43 | | 3.237 | | | | | |
| 28 Iodomethane | 142 | | 3.320 | | | | | |
| 29 Carbon disulfide | 76 | | 3.380 | | | | | |
| 30 Acetonitrile | 41 | 3.534 | 3.510 | 0.024 | 53 | 2585 | 1.53 | |
| 31 3-Chloro-1-propene | 76 | | 3.522 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 32 Methyl acetate | 43 | | 3.534 | | | | | |
| 33 Methylene Chloride | 84 | | 3.629 | | | | | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 77 | 12626 | 5.04 | |
| 36 Acrylonitrile | 53 | | 3.866 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.878 | | | | | |
| 37 trans-1,2-Dichloroethene | 96 | | 3.878 | | | | | |
| 38 Hexane | 86 | | 4.115 | | | | | |
| 39 1,1-Dichloroethane | 63 | | 4.257 | | | | | |
| 40 Vinyl acetate | 86 | | 4.293 | | | | | |
| 41 Isopropyl ether | 87 | | 4.305 | | | | | |
| 42 2-Chloro-1,3-butadiene | 53 | | 4.340 | | | | | |
| 43 Tert-butyl ethyl ether | 59 | | 4.625 | | | | | |
| 44 2,2-Dichloropropane | 77 | | 4.767 | | | | | 9 |
| 45 cis-1,2-Dichloroethene | 96 | | 4.767 | | | | | |
| 46 2-Butanone (MEK) | 43 | | 4.779 | | | | | |
| 47 Ethyl acetate | 43 | | 4.826 | | | | | 9 |
| 48 Propionitrile | 54 | | 4.850 | | | | | |
| 50 Chlorobromomethane | 128 | | 4.980 | | | | | |
| 49 Methacrylonitrile | 41 | | 4.981 | | | | | |
| 51 Tetrahydrofuran | 42 | | 5.016 | | | | | 9 |
| 52 Chloroform | 83 | | 5.040 | | | | | |
| 53 1,1,1-Trichloroethane | 97 | | 5.206 | | | | | |
| 54 Cyclohexane | 56 | | 5.253 | | | | | 9 |
| 56 1,1-Dichloropropene | 75 | | 5.348 | | | | | |
| 55 Carbon tetrachloride | 117 | | 5.348 | | | | | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 60 | 12579 | 10.6 | |
| 58 Benzene | 78 | | 5.526 | | | | | 9 |
| 59 1,2-Dichloroethane | 62 | | 5.550 | | | | | |
| 60 Tert-amyl methyl ether | 73 | | 5.609 | | | | | |
| 61 n-Heptane | 100 | | 5.728 | | | | | |
| 62 n-Butanol | 56 | | 5.989 | | | | | |
| 63 Trichloroethene | 130 | | 6.071 | | | | | 9 |
| 64 Ethyl acrylate | 55 | | 6.100 | | | | | |
| 65 Methylcyclohexane | 83 | | 6.237 | | | | | 9 |
| 66 1,2-Dichloropropane | 63 | | 6.285 | | | | | |
| 67 Methyl methacrylate | 41 | | 6.356 | | | | | |
| 69 Dibromomethane | 93 | | 6.392 | | | | | |
| 68 1,4-Dioxane | 88 | | 6.392 | | | | | |
| 70 Dichlorobromomethane | 83 | | 6.510 | | | | | |
| 71 2-Nitropropane | 41 | | 6.724 | | | | | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | | 6.902 | | | | | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | | 7.032 | | | | | |
| 75 Toluene | 91 | | 7.198 | | | | | 9 |
| 76 trans-1,3-Dichloropropene | 75 | | 7.400 | | | | | |
| 77 Ethyl methacrylate | 69 | | 7.447 | | | | | |
| 78 1,1,2-Trichloroethane | 97 | | 7.566 | | | | | |
| 79 Tetrachloroethene | 164 | | 7.696 | | | | | 9 |
| 80 Tetrahydrothiophene | 60 | | 7.700 | | | | | |
| 81 1,3-Dichloropropane | 76 | | 7.720 | | | | | |
| 82 2-Hexanone | 43 | | 7.779 | | | | | 9 |
| 83 n-Butyl acetate | 56 | | 7.874 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 84 Chlorodibromomethane | 129 | | 7.933 | | | | | |
| 85 Ethylene Dibromide | 107 | | 8.052 | | | | | |
| 86 1-Chlorohexane | 91 | | 8.300 | | | | | |
| 87 Chlorobenzene | 112 | | 8.502 | | | | | 9 |
| 88 1,1,1,2-Tetrachloroethane | 131 | | 8.574 | | | | | |
| 89 Ethylbenzene | 106 | | 8.585 | | | | | |
| 90 m-Xylene & p-Xylene | 106 | | 8.692 | | | | | 9 |
| 91 o-Xylene | 106 | | 9.084 | | | | | 9 |
| 92 Styrene | 104 | | 9.095 | | | | | 9 |
| 93 Bromoform | 173 | | 9.285 | | | | | |
| 94 1,4-Dichlorobutane | 55 | | 9.300 | | | | | |
| 95 Isopropylbenzene | 105 | | 9.427 | | | | | 9 |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 65 | 11627 | 2.95 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | | 9.724 | | | | | 9 |
| 98 Bromobenzene | 156 | | 9.748 | | | | | |
| 99 trans-1,4-Dichloro-2-butene | 53 | | 9.771 | | | | | |
| 100 1,2,3-Trichloropropane | 110 | | 9.771 | | | | | |
| 101 N-Propylbenzene | 120 | | 9.819 | | | | | 9 |
| 102 2-Chlorotoluene | 126 | | 9.925 | | | | | 9 |
| 103 1,3,5-Trimethylbenzene | 105 | | 9.997 | | | | | 9 |
| 104 4-Chlorotoluene | 126 | | 10.032 | | | | | 9 |
| 105 tert-Butylbenzene | 119 | | 10.317 | | | | | 9 |
| 106 1,2,4-Trimethylbenzene | 105 | | 10.364 | | | | | 9 |
| 107 sec-Butylbenzene | 105 | | 10.530 | | | | | 9 |
| 108 1,3-Dichlorobenzene | 146 | | 10.661 | | | | | 9 |
| 109 4-Isopropyltoluene | 119 | | 10.673 | | | | | 9 |
| 110 1,4-Dichlorobenzene | 146 | | 10.744 | | | | | 9 |
| 111 1,2,3-Trimethylbenzene | 105 | | 10.791 | | | | | 9 |
| 112 n-Butylbenzene | 91 | | 11.076 | | | | | |
| 113 1,2-Dichlorobenzene | 146 | | 11.123 | | | | | 9 |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 1 | 1411 | 0.2353 | |
| 115 1,3,5-Trichlorobenzene | 180 | | 12.107 | | | | | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 47 | 23235 | 0.3557 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 54 | 15896 | 0.3905 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 95 | 67015 | 0.4783 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 91 | 41362 | 0.4531 | |
| 120 2-Methylnaphthalene | 142 | 14.384 | 14.396 | -0.012 | 75 | 26876 | 0.2865 | |
| S 121 Trihalomethanes, Total | 1 | | 0.000 | | | | | 7 |
| S 122 1,2-Dichloroethene, Total | 96 | | 1.140 | | | | | 7 |
| S 123 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | 7 |
| S 124 Xylenes, Total | 106 | | 16.530 | | | | | 7 |
| T 125 Butyl Methacrylate TIC | 1 | | 9.900 | | | | | 1 |
| T 126 Hexachloroethane TIC | 1 | | 11.200 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

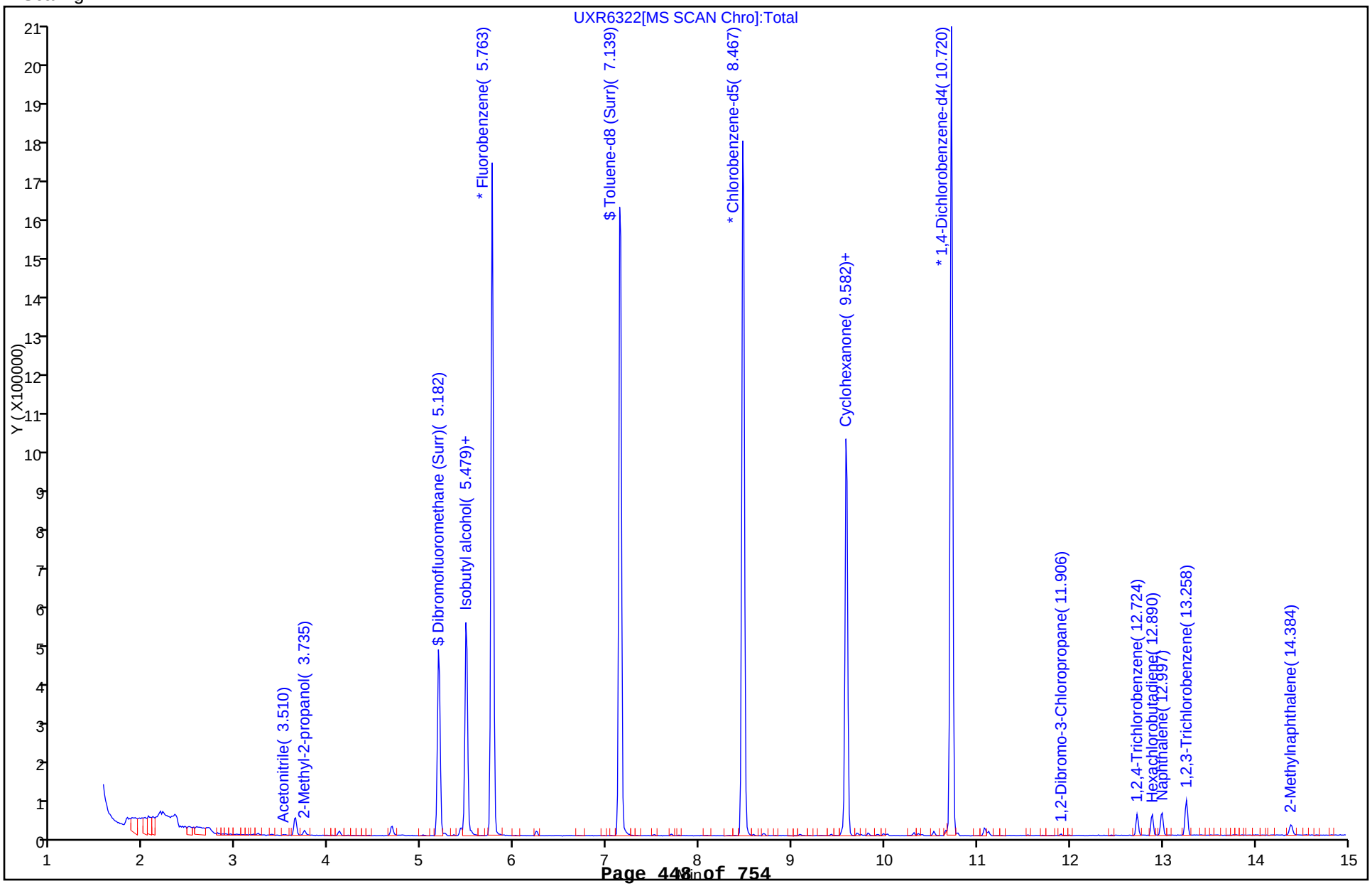
Report Date: 13-Feb-2013 09:51:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6322.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 15:33:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 5 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-74675/6

Matrix: Solid | Lab File ID: UX83293.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 02/08/2013 00:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 48.5 | | 20 | 6.3 |
| 71-43-2 | Benzene | 25.3 | | 5.0 | 0.23 |
| 75-27-4 | Dichlorobromomethane | 26.7 | | 5.0 | 0.28 |
| 75-25-2 | Bromoform | 24.9 | | 5.0 | 0.33 |
| 74-83-9 | Bromomethane | 25.2 | | 5.0 | 0.54 |
| 78-93-3 | 2-Butanone (MEK) | 50.0 | | 20 | 1.4 |
| 75-15-0 | Carbon disulfide | 26.9 | | 5.0 | 0.44 |
| 56-23-5 | Carbon tetrachloride | 26.3 | | 5.0 | 0.37 |
| 108-90-7 | Chlorobenzene | 24.7 | | 5.0 | 0.33 |
| 75-00-3 | Chloroethane | 24.9 | | 5.0 | 0.86 |
| 67-66-3 | Chloroform | 25.2 | | 5.0 | 0.29 |
| 74-87-3 | Chloromethane | 26.8 | | 5.0 | 0.41 |
| 75-34-3 | 1,1-Dichloroethane | 25.6 | | 5.0 | 0.36 |
| 107-06-2 | 1,2-Dichloroethane | 25.2 | | 5.0 | 0.34 |
| 75-35-4 | 1,1-Dichloroethene | 27.4 | | 5.0 | 0.52 |
| 78-87-5 | 1,2-Dichloropropane | 25.6 | | 5.0 | 0.69 |
| 10061-01-5 | cis-1,3-Dichloropropene | 25.3 | | 5.0 | 0.34 |
| 10061-02-6 | trans-1,3-Dichloropropene | 24.8 | | 5.0 | 0.54 |
| 100-41-4 | Ethylbenzene | 24.7 | | 5.0 | 0.26 |
| 591-78-6 | 2-Hexanone | 50.1 | | 20 | 0.63 |
| 75-09-2 | Methylene Chloride | 24.6 | | 5.0 | 0.67 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 52.2 | | 20 | 0.54 |
| 100-42-5 | Styrene | 26.6 | | 5.0 | 0.15 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 25.0 | | 5.0 | 0.34 |
| 127-18-4 | Tetrachloroethene | 26.3 | | 5.0 | 0.52 |
| 108-88-3 | Toluene | 24.9 | | 5.0 | 0.27 |
| 79-01-6 | Trichloroethene | 25.4 | | 5.0 | 0.42 |
| 75-01-4 | Vinyl chloride | 25.5 | | 5.0 | 0.39 |
| 1330-20-7 | Xylenes, Total | 77.7 | | 10 | 0.67 |
| 71-55-6 | 1,1,1-Trichloroethane | 26.1 | | 5.0 | 0.56 |
| 79-00-5 | 1,1,2-Trichloroethane | 25.8 | | 5.0 | 0.39 |
| 110-82-7 | Cyclohexane | 24.1 | | 10 | 0.33 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 23.3 | | 10 | 1.3 |
| 106-93-4 | Ethylene Dibromide | 26.0 | | 5.0 | 0.50 |
| 75-71-8 | Dichlorodifluoromethane | 26.1 | | 5.0 | 0.50 |
| 156-59-2 | cis-1,2-Dichloroethene | 25.3 | | 5.0 | 0.36 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-74675/6

Matrix: Solid | Lab File ID: UX83293.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 02/08/2013 00:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 25.9 | | 5.0 | 0.41 |
| 98-82-8 | Isopropylbenzene | 25.6 | | 5.0 | 0.16 |
| 79-20-9 | Methyl acetate | 25.3 | | 10 | 1.4 |
| 1634-04-4 | Methyl tert-butyl ether | 25.4 | | 20 | 0.43 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 26.7 | | 5.0 | 1.3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.9 | | 5.0 | 0.27 |
| 95-50-1 | 1,2-Dichlorobenzene | 23.5 | | 5.0 | 0.36 |
| 541-73-1 | 1,3-Dichlorobenzene | 24.3 | | 5.0 | 0.35 |
| 106-46-7 | 1,4-Dichlorobenzene | 23.7 | | 5.0 | 0.66 |
| 75-69-4 | Trichlorofluoromethane | 29.5 | | 5.0 | 0.34 |
| 124-48-1 | Chlorodibromomethane | 26.2 | | 5.0 | 0.55 |
| 108-87-2 | Methylcyclohexane | 25.9 | | 10 | 0.31 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 58-123 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 97 | | 52-136 |
| 2037-26-5 | Toluene-d8 (Surr) | 100 | | 67-125 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 37-132 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83293.D
Lims ID: LCS Client ID:
Inject. Date: 08-Feb-2013 00:18:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017213-006
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 74675 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:24:37 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: latat Date: 08-Feb-2013 00:55:48

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.159 | 5.156 | 0.003 | 100 | 1696503 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.678 | 7.687 | -0.009 | 98 | 1217705 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.878 | 9.875 | 0.003 | 99 | 577168 | 50.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.626 | 4.627 | -0.001 | 58 | 353569 | 48.1 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.887 | 4.887 | 0.0 | 97 | 438564 | 46.0 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.424 | 6.425 | -0.001 | 94 | 1300718 | 50.0 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.755 | 8.755 | -0.001 | 92 | 445515 | 48.5 | |
| 12 Dichlorodifluoromethane | 85 | 1.575 | 1.575 | 0.0 | 97 | 119226 | 26.1 | |
| 13 Chloromethane | 50 | 1.752 | 1.753 | -0.001 | 100 | 246971 | 26.8 | |
| 14 Vinyl chloride | 62 | 1.870 | 1.871 | -0.001 | 100 | 146664 | 25.5 | |
| 15 Bromomethane | 94 | 2.190 | 2.190 | 0.0 | 91 | 76346 | 25.2 | |
| 16 Chloroethane | 64 | 2.284 | 2.285 | -0.001 | 95 | 91186 | 24.9 | |
| 18 Trichlorofluoromethane | 101 | 2.509 | 2.510 | -0.001 | 97 | 228442 | 29.5 | |
| 19 Ethyl ether | 59 | 2.734 | 2.743 | -0.009 | 95 | 230666 | 27.9 | |
| 20 Acrolein | 56 | 2.840 | 2.841 | -0.001 | 94 | 174505 | 85.3 | |
| 21 1,1-Dichloroethene | 96 | 2.923 | 2.935 | -0.012 | 96 | 162263 | 27.4 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.947 | 2.947 | 0.0 | 74 | 128488 | 26.7 | |
| 22 Acetone | 43 | 2.959 | 2.959 | 0.0 | 97 | 243297 | 48.5 | |
| 24 Iodomethane | 142 | 3.053 | 3.054 | -0.001 | 98 | 310661 | 26.3 | |
| 26 Carbon disulfide | 76 | 3.112 | 3.113 | -0.001 | 98 | 447204 | 26.9 | |
| 27 Acetonitrile | 41 | 3.171 | 3.172 | -0.001 | 99 | 141134 | 77.4 | |
| 28 Methyl acetate | 43 | 3.219 | 3.219 | 0.0 | 97 | 279895 | 25.3 | |
| 30 Methylene Chloride | 84 | 3.302 | 3.302 | 0.0 | 92 | 200260 | 24.6 | |
| 31 2-Methyl-2-propanol | 59 | 3.373 | 3.373 | 0.0 | 92 | 380915 | 411.4 | |
| 32 Acrylonitrile | 53 | 3.479 | 3.480 | -0.001 | 95 | 361209 | 75.2 | |
| 34 Methyl tert-butyl ether | 73 | 3.514 | 3.515 | -0.001 | 87 | 545943 | 25.4 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.526 | 3.527 | -0.001 | 71 | 187736 | 25.9 | |
| 35 Hexane | 86 | 3.727 | 3.728 | -0.001 | 95 | 53657 | 27.5 | |
| 36 1,1-Dichloroethane | 63 | 3.834 | 3.834 | 0.0 | 95 | 361866 | 25.6 | |
| 37 Vinyl acetate | 86 | 3.857 | 3.858 | -0.001 | 96 | 42371 | 25.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 38 Isopropyl ether | 87 | 3.881 | 3.878 | 0.003 | 96 | 177445 | 26.9 | |
| 42 cis-1,2-Dichloroethene | 96 | 4.271 | 4.272 | -0.001 | 87 | 208720 | 25.3 | |
| 41 2-Butanone (MEK) | 43 | 4.271 | 4.272 | -0.001 | 96 | 350552 | 50.0 | |
| 43 2,2-Dichloropropane | 77 | 4.283 | 4.284 | -0.001 | 76 | 145669 | 25.5 | |
| 47 Chlorobromomethane | 128 | 4.449 | 4.449 | 0.0 | 85 | 110674 | 24.6 | |
| 48 Tetrahydrofuran | 42 | 4.496 | 4.497 | -0.001 | 92 | 110600 | 23.4 | |
| 49 Chloroform | 83 | 4.508 | 4.509 | -0.001 | 99 | 321375 | 25.2 | |
| 50 1,1,1-Trichloroethane | 97 | 4.662 | 4.662 | 0.0 | 91 | 246187 | 26.1 | |
| 51 Cyclohexane | 56 | 4.721 | 4.722 | -0.001 | 95 | 379396 | 24.1 | |
| 52 1,1-Dichloropropene | 75 | 4.792 | 4.793 | 0.0 | 81 | 236682 | 25.9 | |
| 53 Carbon tetrachloride | 117 | 4.804 | 4.804 | 0.0 | 86 | 232156 | 26.3 | |
| 54 Isobutyl alcohol | 41 | 4.816 | 4.813 | 0.003 | 94 | 493376 | 1305.2 | |
| 56 1,2-Dichloroethane | 62 | 4.946 | 4.946 | 0.0 | 60 | 322627 | 25.2 | |
| 55 Benzene | 78 | 4.946 | 4.946 | 0.0 | 94 | 716071 | 25.3 | |
| 60 Trichloroethene | 130 | 5.443 | 5.443 | -0.001 | 92 | 214444 | 25.4 | |
| 63 Methylcyclohexane | 83 | 5.608 | 5.609 | -0.001 | 91 | 315019 | 25.9 | |
| 62 1,2-Dichloropropane | 63 | 5.620 | 5.621 | 0.0 | 85 | 203938 | 25.6 | |
| 65 Dibromomethane | 93 | 5.715 | 5.715 | 0.0 | 84 | 121494 | 26.2 | |
| 67 Dichlorobromomethane | 83 | 5.821 | 5.822 | -0.001 | 95 | 230280 | 26.7 | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.046 | 6.046 | 0.0 | 81 | 41392 | 24.8 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.188 | 6.188 | 0.0 | 80 | 245073 | 25.3 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.306 | 6.295 | 0.011 | 98 | 653208 | 52.2 | |
| 72 Toluene | 91 | 6.483 | 6.484 | -0.001 | 93 | 776004 | 24.9 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.637 | 6.638 | -0.001 | 90 | 219860 | 24.8 | |
| 75 1,1,2-Trichloroethane | 97 | 6.803 | 6.803 | 0.0 | 95 | 165380 | 25.8 | |
| 77 Tetrachloroethene | 164 | 6.957 | 6.957 | 0.0 | 81 | 165258 | 26.3 | |
| 76 1,3-Dichloropropane | 76 | 6.957 | 6.957 | 0.0 | 94 | 276549 | 25.6 | |
| 78 2-Hexanone | 43 | 7.004 | 7.004 | 0.0 | 96 | 430785 | 50.1 | |
| 79 Chlorodibromomethane | 129 | 7.158 | 7.158 | 0.0 | 88 | 182688 | 26.2 | |
| 123 Ethylene Dibromide | 107 | 7.276 | 7.276 | 0.0 | 98 | 172463 | 26.0 | |
| 82 Chlorobenzene | 112 | 7.714 | 7.714 | 0.0 | 92 | 529491 | 24.7 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.773 | 7.773 | 0.0 | 88 | 180325 | 25.8 | |
| 84 Ethylbenzene | 106 | 7.796 | 7.797 | -0.001 | 98 | 270669 | 24.7 | |
| 10 m-Xylene & p-Xylene | 106 | 7.903 | 7.903 | 0.0 | 98 | 666673 | 51.3 | |
| 85 o-Xylene | 106 | 8.270 | 8.270 | 0.0 | 88 | 320519 | 26.4 | |
| 86 Styrene | 104 | 8.281 | 8.282 | -0.001 | 89 | 532543 | 26.6 | |
| 87 Bromoform | 173 | 8.459 | 8.459 | 0.0 | 96 | 103252 | 24.9 | |
| 88 Isopropylbenzene | 105 | 8.613 | 8.613 | 0.0 | 96 | 797861 | 25.6 | |
| 89 Cyclohexanone | 55 | 8.695 | 8.704 | -0.009 | 96 | 208588 | 92.1 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.873 | 8.873 | 0.0 | 86 | 181047 | 25.0 | |
| 91 Bromobenzene | 156 | 8.908 | 8.909 | -0.001 | 88 | 224549 | 25.0 | |
| 92 1,2,3-Trichloropropane | 110 | 8.932 | 8.921 | 0.011 | 78 | 72242 | 24.4 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.932 | 8.932 | 0.0 | 83 | 163490 | 54.5 | |
| 94 N-Propylbenzene | 120 | 9.003 | 9.003 | 0.0 | 98 | 225564 | 26.3 | |
| 95 2-Chlorotoluene | 126 | 9.098 | 9.098 | 0.0 | 97 | 201186 | 25.3 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.169 | 9.169 | -0.001 | 92 | 629755 | 25.6 | |
| 104 4-Chlorotoluene | 126 | 9.192 | 9.193 | -0.001 | 97 | 213842 | 26.2 | |
| 97 tert-Butylbenzene | 119 | 9.488 | 9.488 | 0.0 | 91 | 564179 | 23.9 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.535 | 9.536 | -0.001 | 86 | 636079 | 25.6 | |
| 99 sec-Butylbenzene | 105 | 9.701 | 9.701 | 0.0 | 93 | 770636 | 25.6 | |
| 100 1,3-Dichlorobenzene | 146 | 9.819 | 9.820 | -0.001 | 96 | 389085 | 24.3 | |
| 101 4-Isopropyltoluene | 119 | 9.843 | 9.843 | 0.0 | 91 | 670538 | 26.6 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 102 1,4-Dichlorobenzene | 146 | 9.902 | 9.902 | 0.0 | 93 | 400422 | 23.7 | |
| 103 1,2,3-Trimethylbenzene | 105 | 9.949 | 9.946 | 0.003 | 88 | 606617 | 24.3 | |
| 105 n-Butylbenzene | 91 | 10.245 | 10.245 | 0.0 | 97 | 532237 | 26.1 | |
| 106 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | 0.0 | 98 | 358243 | 23.5 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.026 | 11.026 | 0.0 | 62 | 28253 | 23.3 | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.854 | 11.854 | 0.0 | 92 | 160960 | 20.9 | |
| 110 Hexachlorobutadiene | 225 | 12.031 | 12.032 | -0.001 | 91 | 71113 | 31.8 | |
| 111 Naphthalene | 128 | 12.102 | 12.103 | -0.001 | 97 | 382747 | 20.7 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.362 | 12.363 | -0.001 | 94 | 123319 | 25.5 | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 103.0 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 51.3 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 77.7 | |

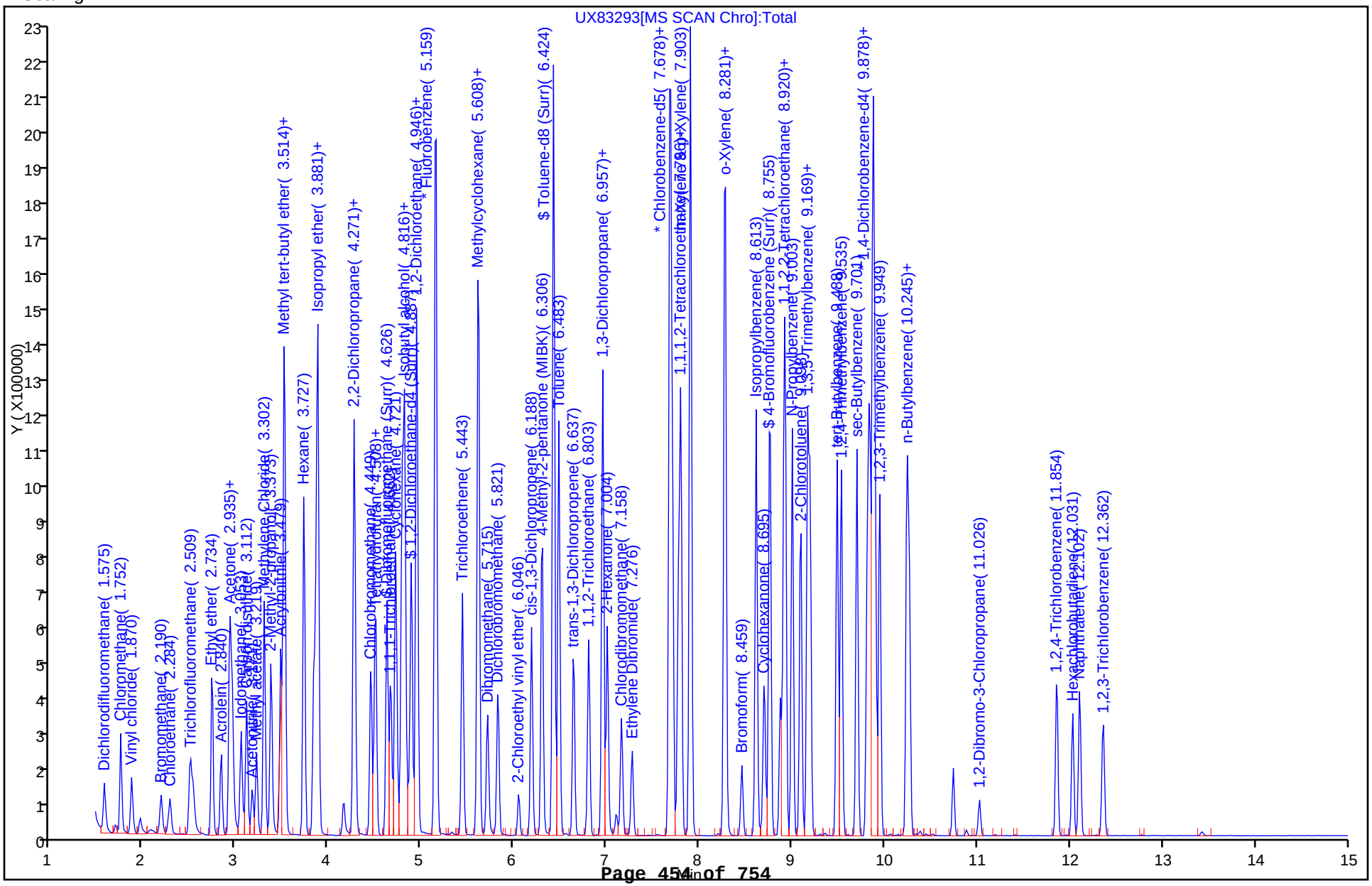
Report Date: 09-Feb-2013 03:24:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83293.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 00:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 6 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-74898/4

Matrix: Water | Lab File ID: UXR6295.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 14:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 18.3 | | 10 | 1.1 |
| 71-43-2 | Benzene | 9.71 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 9.78 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 9.82 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 10.5 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 17.9 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 9.65 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 9.92 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.21 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 9.87 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.30 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 10.0 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 9.49 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.41 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 10.8 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 9.74 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 9.11 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 9.05 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 9.52 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 18.2 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.60 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 18.7 | | 10 | 0.32 |
| 100-42-5 | Styrene | 9.75 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.24 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 9.34 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 9.31 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 9.56 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 10.2 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 28.7 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 8.95 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 9.74 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 10.1 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 8.26 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.55 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 10.5 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 9.69 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-74898/4

Matrix: Water | Lab File ID: UXR6295.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 14:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 9.93 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 9.36 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 8.76 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 14.9 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6.76 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 9.07 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 9.30 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 9.00 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 16.4 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 9.58 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 10.1 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 95 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6295.D
Lims ID: LCS Client ID:
Inject. Date: 11-Feb-2013 14:05:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017265-004
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 74898 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m
Last Update: 12-Feb-2013 09:53:42 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK008

First Level Reviewer: williamsla Date: 11-Feb-2013 14:42:47

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1771639 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.479 | -0.012 | 86 | 1412419 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 82 | 833994 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 334481 | 8.33 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 419984 | 8.17 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.139 | 0.0 | 93 | 1537686 | 8.39 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 90 | 564387 | 8.45 | |
| 14 Dichlorodifluoromethane | 85 | 1.637 | 1.636 | 0.001 | 87 | 330110 | 10.5 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 88 | 510606 | 10.0 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 532605 | 10.2 | |
| 18 Bromomethane | 94 | 2.301 | 2.301 | 0.0 | 89 | 220785 | 10.5 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 95 | 323113 | 9.87 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 87 | 520320 | 16.4 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 88 | 396295 | 10.5 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 93 | 227370 | 38.1 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 90 | 442165 | 10.8 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 82 | 366379 | 14.9 | |
| 27 Acetone | 43 | 3.238 | 3.237 | 0.001 | 97 | 218199 | 18.3 | |
| 28 Iodomethane | 142 | 3.321 | 3.320 | 0.001 | 97 | 644360 | 9.83 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.380 | 0.0 | 99 | 1281960 | 9.65 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 97 | 134535 | 25.0 | |
| 32 Methyl acetate | 43 | 3.534 | 3.534 | 0.0 | 97 | 280765 | 8.67 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.629 | 0.012 | 85 | 485226 | 9.60 | |
| 34 2-Methyl-2-propanol | 59 | 3.736 | 3.735 | 0.001 | 95 | 447400 | 163.4 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.866 | 0.012 | 56 | 469415 | 29.6 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 1105744 | 8.76 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.878 | 0.0 | 93 | 467194 | 9.93 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 89 | 134661 | 11.1 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.257 | 0.012 | 85 | 778181 | 9.49 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 78 | 411363 | 9.55 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 90 | 74499 | 10.0 | |
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.767 | 0.0 | 57 | 334089 | 8.83 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 80 | 494607 | 9.69 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 323987 | 17.9 | |
| 50 Chlorobromomethane | 128 | 4.981 | 4.981 | 0.0 | 94 | 227738 | 9.45 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.016 | 0.012 | 96 | 103231 | 8.79 | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 79 | 736593 | 9.30 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 88 | 503320 | 8.95 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 87 | 780508 | 10.1 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 61 | 447230 | 9.92 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 95 | 609082 | 9.82 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.431 | -0.012 | 91 | 530035 | 503.7 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 95 | 1947728 | 9.71 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 575962 | 9.41 | |
| 63 Trichloroethene | 130 | 6.084 | 6.072 | 0.012 | 94 | 479649 | 9.56 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.238 | 0.0 | 88 | 812594 | 10.1 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 94 | 436529 | 9.74 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 88 | 252274 | 9.92 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 485123 | 9.78 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.760 | 6.759 | 0.001 | 92 | 219547 | 8.93 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 550928 | 9.11 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 631484 | 18.7 | |
| 75 Toluene | 91 | 7.210 | 7.198 | 0.012 | 98 | 2032514 | 9.31 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 464575 | 9.05 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 85 | 381877 | 9.74 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 390337 | 9.34 | |
| 81 1,3-Dichloropropane | 76 | 7.720 | 7.720 | 0.0 | 88 | 693241 | 9.65 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 416059 | 18.2 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 89 | 330736 | 9.58 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 358013 | 9.55 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.503 | 0.0 | 94 | 1297236 | 9.21 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 84 | 393431 | 9.36 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.586 | 0.0 | 98 | 697929 | 9.52 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1797374 | 19.2 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 92 | 842794 | 9.46 | |
| 92 Styrene | 104 | 9.096 | 9.095 | 0.001 | 94 | 1389921 | 9.75 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 200546 | 9.82 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 95 | 2130067 | 9.36 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 90 | 314750 | 64.4 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 473671 | 9.24 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 74 | 546573 | 9.19 | |
| 100 1,2,3-Trichloropropane | 110 | 9.772 | 9.771 | 0.001 | 70 | 163597 | 9.81 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.772 | 9.771 | 0.001 | 66 | 233402 | 19.0 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 95 | 631400 | 9.95 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.926 | 0.0 | 97 | 534634 | 9.40 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 72 | 1813380 | 9.54 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 95 | 573448 | 9.37 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 1573779 | 9.31 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 85 | 1893072 | 9.71 | |
| 107 sec-Butylbenzene | 105 | 10.531 | 10.530 | 0.0 | 93 | 2279921 | 9.44 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 98 | 1114163 | 9.30 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1998445 | 9.90 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 1114881 | 9.00 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 87 | 1893921 | 9.62 | |
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 95 | 1699734 | 9.17 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 98 | 1030840 | 9.07 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 76 | 61395 | 8.26 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 547323 | 6.76 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 92 | 257559 | 7.49 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1109262 | 6.39 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 481782 | 7.11 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 38.5 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.6 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 28.7 | |

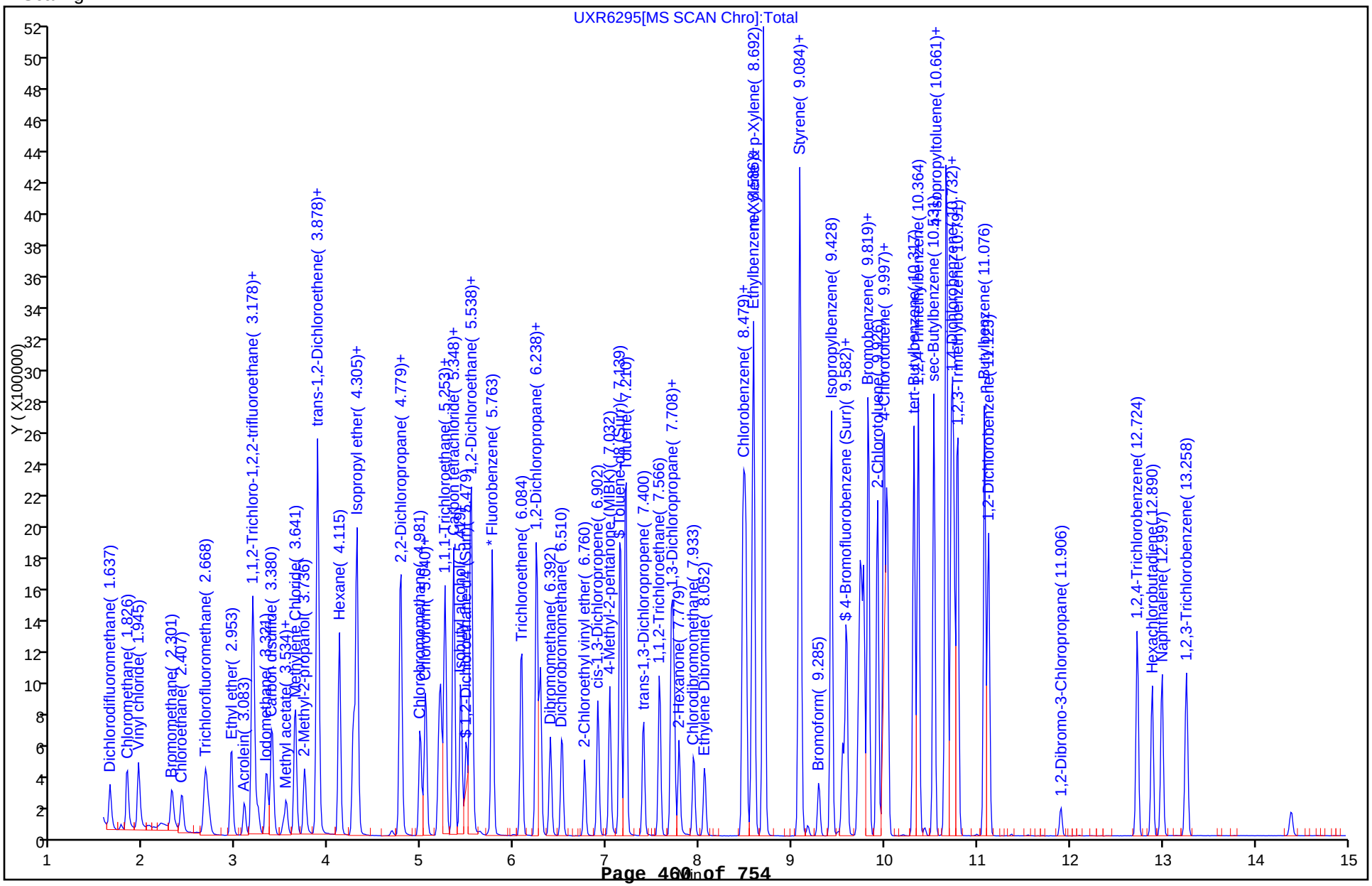
Report Date: 12-Feb-2013 09:53:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6295.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 14:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 4 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-75030/4

Matrix: Water | Lab File ID: UXR6321.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 15:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 20.2 | | 10 | 1.1 |
| 71-43-2 | Benzene | 10.1 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 10.0 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 9.99 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 10.9 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 19.0 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 9.63 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 10.1 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.70 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 10.2 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.54 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 9.90 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 9.78 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.83 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 10.5 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 9.97 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 9.03 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 9.37 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 9.89 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 20.4 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.97 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 19.7 | | 10 | 0.32 |
| 100-42-5 | Styrene | 10.2 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.76 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 9.41 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 9.58 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 9.83 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 9.97 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 29.5 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.28 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.2 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 9.68 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 8.25 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.93 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 8.75 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 9.95 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-75030/4

Matrix: Water | Lab File ID: UXR6321.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 15:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 10.2 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 9.72 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | 10.1 | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 9.08 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 14.1 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 7.12 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 9.41 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 9.44 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 9.25 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 16.0 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 9.67 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 9.42 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 98 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6321.D
Lims ID: LCS Client ID:
Inject. Date: 12-Feb-2013 15:10:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017290-004
Misc. Info.:
Operator: 1644 Instrument ID: A3UX17
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 75030 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m
Last Update: 13-Feb-2013 09:51:19 Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: williamsla Date: 12-Feb-2013 13:55:50

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1695811 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.467 | 0.0 | 85 | 1332679 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 82 | 804235 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 60 | 321843 | 8.38 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 413457 | 8.40 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.139 | 0.0 | 93 | 1488561 | 8.60 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 89 | 550109 | 8.73 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 98 | 264320 | 8.75 | |
| 15 Chloromethane | 50 | 1.814 | 1.814 | 0.0 | 88 | 481869 | 9.90 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 497067 | 9.97 | |
| 18 Bromomethane | 94 | 2.300 | 2.300 | 0.0 | 89 | 219318 | 10.9 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 320470 | 10.2 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 87 | 486228 | 16.0 | |
| 22 Ethyl ether | 59 | 2.941 | 2.953 | -0.012 | 89 | 389971 | 10.8 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 96 | 226910 | 39.7 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.166 | 0.012 | 90 | 409864 | 10.5 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.178 | 0.012 | 82 | 332195 | 14.1 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 97 | 230352 | 20.2 | |
| 28 Iodomethane | 142 | 3.320 | 3.320 | 0.0 | 97 | 627997 | 10.0 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.380 | 0.0 | 99 | 1224498 | 9.63 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 100 | 137840 | 26.7 | |
| 32 Methyl acetate | 43 | 3.534 | 3.534 | 0.0 | 97 | 313260 | 10.1 | |
| 33 Methylene Chloride | 84 | 3.640 | 3.629 | 0.011 | 85 | 480773 | 9.97 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 90 | 456545 | 174.2 | |
| 36 Acrylonitrile | 53 | 3.866 | 3.866 | 0.0 | 97 | 474964 | 31.3 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 1097217 | 9.08 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.878 | 0.0 | 95 | 461424 | 10.2 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 117309 | 10.1 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.257 | 0.012 | 85 | 767795 | 9.78 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.293 | 0.012 | 82 | 56692 | 7.96 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 81 | 400889 | 9.73 | |
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.767 | 0.0 | 56 | 318682 | 8.80 | |
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 68 | 485779 | 9.95 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 329373 | 19.0 | |
| 50 Chlorobromomethane | 128 | 4.981 | 4.980 | 0.0 | 96 | 223411 | 9.69 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.016 | 0.012 | 87 | 103383 | 9.25 | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 80 | 722797 | 9.54 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 91 | 499505 | 9.28 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 87 | 715962 | 9.68 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 95 | 596607 | 10.0 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 61 | 436691 | 10.1 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 91 | 552173 | 556.4 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 95 | 1929345 | 10.1 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 575977 | 9.83 | |
| 63 Trichloroethene | 130 | 6.083 | 6.071 | 0.012 | 93 | 472038 | 9.83 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.237 | 0.001 | 89 | 725541 | 9.42 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 95 | 427833 | 9.97 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 87 | 249141 | 10.2 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 474437 | 10.0 | |
| 72 2-Chloroethyl vinyl ether | 63 | 6.759 | 6.759 | 0.0 | 90 | 213459 | 9.07 | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 522728 | 9.03 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 636458 | 19.7 | |
| 75 Toluene | 91 | 7.210 | 7.198 | 0.012 | 98 | 1974604 | 9.58 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 88 | 453858 | 9.37 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 85 | 375762 | 10.2 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 370802 | 9.41 | |
| 81 1,3-Dichloropropane | 76 | 7.720 | 7.720 | 0.0 | 89 | 682437 | 10.1 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 440778 | 20.4 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 90 | 315242 | 9.67 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 97 | 351489 | 9.93 | |
| 87 Chlorobenzene | 112 | 8.502 | 8.502 | 0.0 | 95 | 1288192 | 9.70 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 83 | 383358 | 9.67 | |
| 89 Ethylbenzene | 106 | 8.585 | 8.585 | 0.0 | 98 | 684400 | 9.89 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1724097 | 19.6 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 831148 | 9.89 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 1370769 | 10.2 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 192448 | 10.0 | |
| 95 Isopropylbenzene | 105 | 9.427 | 9.427 | 0.0 | 95 | 2086208 | 9.72 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 90 | 335291 | 71.2 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 90 | 482320 | 9.76 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 75 | 540533 | 9.42 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 73 | 244426 | 20.6 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 69 | 163190 | 10.2 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 95 | 630263 | 10.3 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 96 | 524940 | 9.57 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 84 | 1808843 | 9.87 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 564387 | 9.56 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 1544113 | 9.47 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 85 | 1839011 | 9.78 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2223655 | 9.55 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 98 | 1089816 | 9.44 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1943852 | 9.99 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 1105743 | 9.25 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 88 | 1870302 | 9.85 | |
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1636291 | 9.16 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 1031097 | 9.41 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 73 | 59081 | 8.25 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 91 | 556013 | 7.12 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 92 | 246726 | 7.44 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1160400 | 6.93 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 497028 | 7.63 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 39.2 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 20.2 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 29.4 | |

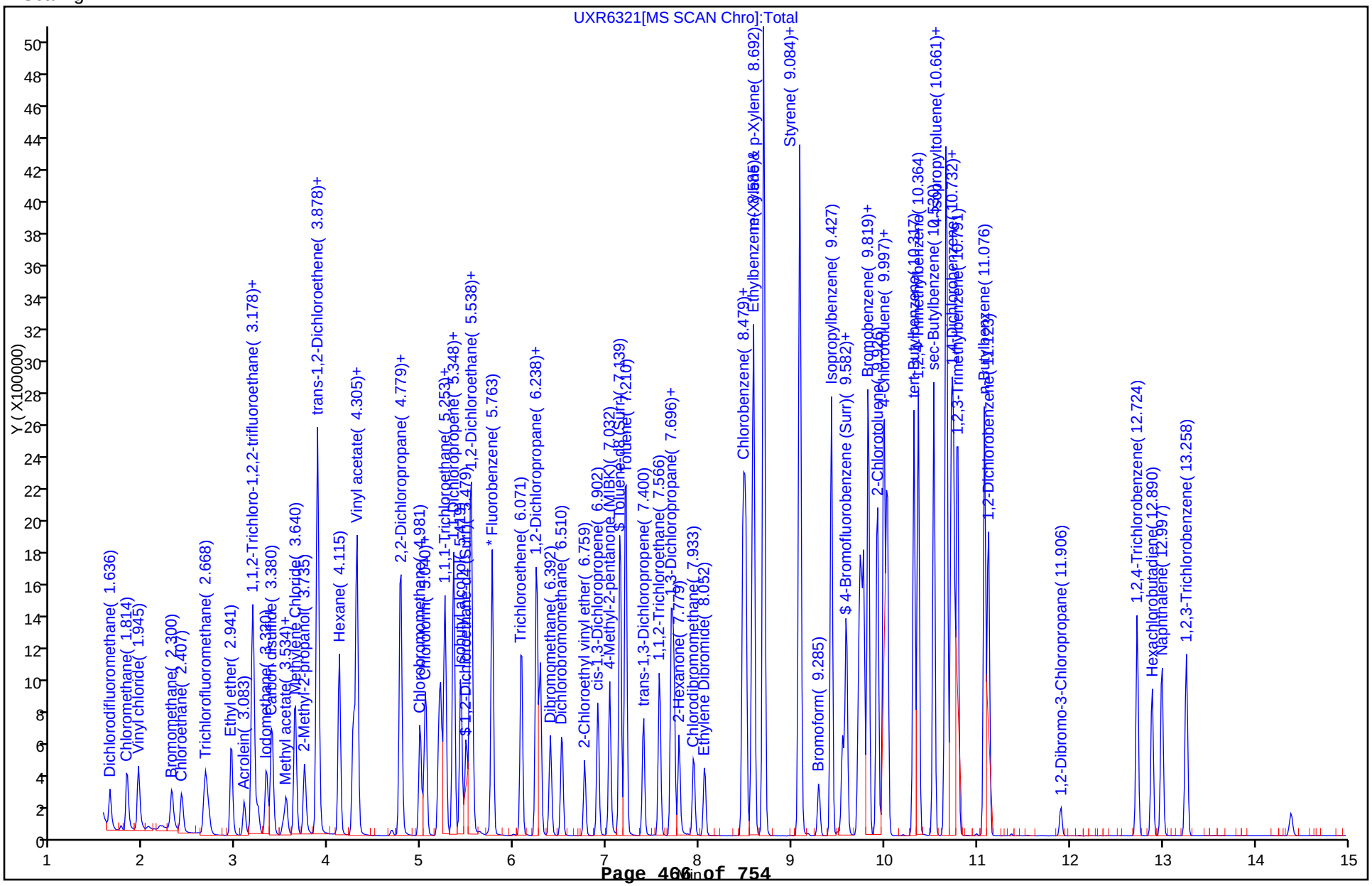
Report Date: 13-Feb-2013 09:51:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6321.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 15:10:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 4 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-2 MS | Lab Sample ID: 240-20760-1 MS

Matrix: Water | Lab File ID: UXR6317.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 22:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 19.1 | | 10 | 1.1 |
| 71-43-2 | Benzene | 9.85 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 9.59 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 9.03 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 9.95 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 16.9 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 9.94 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 10.0 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.41 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 10.5 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.31 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 9.42 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 9.56 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.66 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 10.4 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 9.85 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 8.12 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 8.53 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 9.58 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 16.9 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.50 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 17.3 | | 10 | 0.32 |
| 100-42-5 | Styrene | 10.0 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 8.90 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 9.20 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 9.42 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 9.46 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 10.2 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 29.1 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.11 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 9.69 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 9.47 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7.40 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.26 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 8.66 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 9.68 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-2 MS | Lab Sample ID: 240-20760-1 MS

Matrix: Water | Lab File ID: UXR6317.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 22:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 10.0 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 9.45 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 8.37 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13.0 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6.06 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 8.99 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 8.97 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 8.87 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 15.0 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 9.36 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 8.84 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 95 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 92 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6317.D | | |
| Lims ID: | 240-20760-H-1 MS | Client ID: | SW-2 |
| Inject. Date: | 11-Feb-2013 22:24:30 | Dil. Factor: | 1.0000 |
| Sample Type: | MS | | |
| Sample ID: | 240-0017265-026 | | |
| Misc. Info.: | | | |
| Operator: | 1644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 25 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 26 |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m | | |
| Last Update: | 12-Feb-2013 09:53:42 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK008 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1653458 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.479 | -0.012 | 87 | 1293216 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 92 | 791657 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 58 | 307499 | 8.21 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 384674 | 8.02 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 92 | 1406830 | 8.38 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 516182 | 8.44 | |
| 14 Dichlorodifluoromethane | 85 | 1.636 | 1.636 | 0.0 | 87 | 255037 | 8.66 | |
| 15 Chloromethane | 50 | 1.814 | 1.826 | -0.012 | 88 | 447410 | 9.42 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 84 | 497272 | 10.2 | |
| 18 Bromomethane | 94 | 2.301 | 2.301 | 0.0 | 89 | 195633 | 9.95 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 98 | 321601 | 10.5 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 86 | 445671 | 15.0 | |
| 22 Ethyl ether | 59 | 2.941 | 2.953 | -0.012 | 89 | 363399 | 10.3 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 93 | 183309 | 32.9 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 90 | 395291 | 10.4 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.178 | 3.190 | -0.012 | 77 | 298161 | 13.0 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 97 | 211577 | 19.1 | |
| 28 Iodomethane | 142 | 3.320 | 3.320 | 0.0 | 97 | 618369 | 10.1 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.380 | 0.0 | 99 | 1232690 | 9.94 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 99 | 129627 | 25.8 | |
| 32 Methyl acetate | 43 | 3.534 | 3.534 | 0.0 | 97 | 207428 | 6.86 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.629 | 0.012 | 86 | 448827 | 9.50 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 90 | 367418 | 143.8 | |
| 36 Acrylonitrile | 53 | 3.866 | 3.866 | 0.0 | 98 | 430222 | 29.0 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 90 | 986394 | 8.37 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.878 | 0.0 | 94 | 440409 | 10.0 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 102534 | 9.09 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.257 | 0.012 | 85 | 731401 | 9.56 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 82 | 370637 | 9.22 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 80 | 51449 | 7.41 | |
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.767 | 0.0 | 57 | 302061 | 8.55 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 68 | 460753 | 9.68 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 285722 | 16.9 | |
| 50 Chlorobromomethane | 128 | 4.981 | 4.981 | 0.0 | 97 | 209383 | 9.31 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.016 | 0.012 | 96 | 86800 | 7.82 | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 70 | 687628 | 9.31 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 95 | 478017 | 9.11 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 683382 | 9.47 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 62 | 421880 | 10.0 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 95 | 572948 | 9.90 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.431 | -0.012 | 90 | 466660 | 484.2 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 95 | 1842643 | 9.85 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 551945 | 9.66 | |
| 63 Trichloroethene | 130 | 6.083 | 6.072 | 0.011 | 93 | 442857 | 9.46 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.238 | 0.0 | 89 | 664393 | 8.84 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 93 | 411928 | 9.85 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 86 | 235931 | 9.94 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 443982 | 9.59 | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 458602 | 8.12 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 547074 | 17.3 | |
| 75 Toluene | 91 | 7.210 | 7.198 | 0.012 | 98 | 1883334 | 9.42 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 401152 | 8.53 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 86 | 348062 | 9.69 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 352049 | 9.20 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.720 | 0.012 | 87 | 645942 | 9.83 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 355001 | 16.9 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 88 | 295979 | 9.36 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 317929 | 9.26 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.503 | 0.0 | 96 | 1213093 | 9.41 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 88 | 359799 | 9.35 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.586 | 0.0 | 98 | 643036 | 9.58 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 99 | 1669429 | 19.5 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 784797 | 9.62 | |
| 92 Styrene | 104 | 9.095 | 9.095 | 0.0 | 94 | 1305479 | 10.0 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 97 | 168680 | 9.03 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 95 | 1968748 | 9.45 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 90 | 158859 | 34.3 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 75 | 432758 | 8.90 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 85 | 513617 | 9.10 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 67 | 142938 | 9.03 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 63 | 208343 | 17.8 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 95 | 579927 | 9.63 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.926 | 0.0 | 96 | 495806 | 9.18 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 85 | 1705059 | 9.45 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 95 | 533022 | 9.18 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 90 | 1433647 | 8.93 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 1757993 | 9.50 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2023805 | 8.83 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 98 | 1019535 | 8.97 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1785797 | 9.32 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 1042865 | 8.87 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 87 | 1783513 | 9.54 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 95 | 1482869 | 8.43 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 968926 | 8.99 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 72 | 52170 | 7.40 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 465210 | 6.06 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 93 | 205411 | 6.18 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 940969 | 5.71 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 413199 | 6.39 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 37.3 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.7 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 29.1 | |

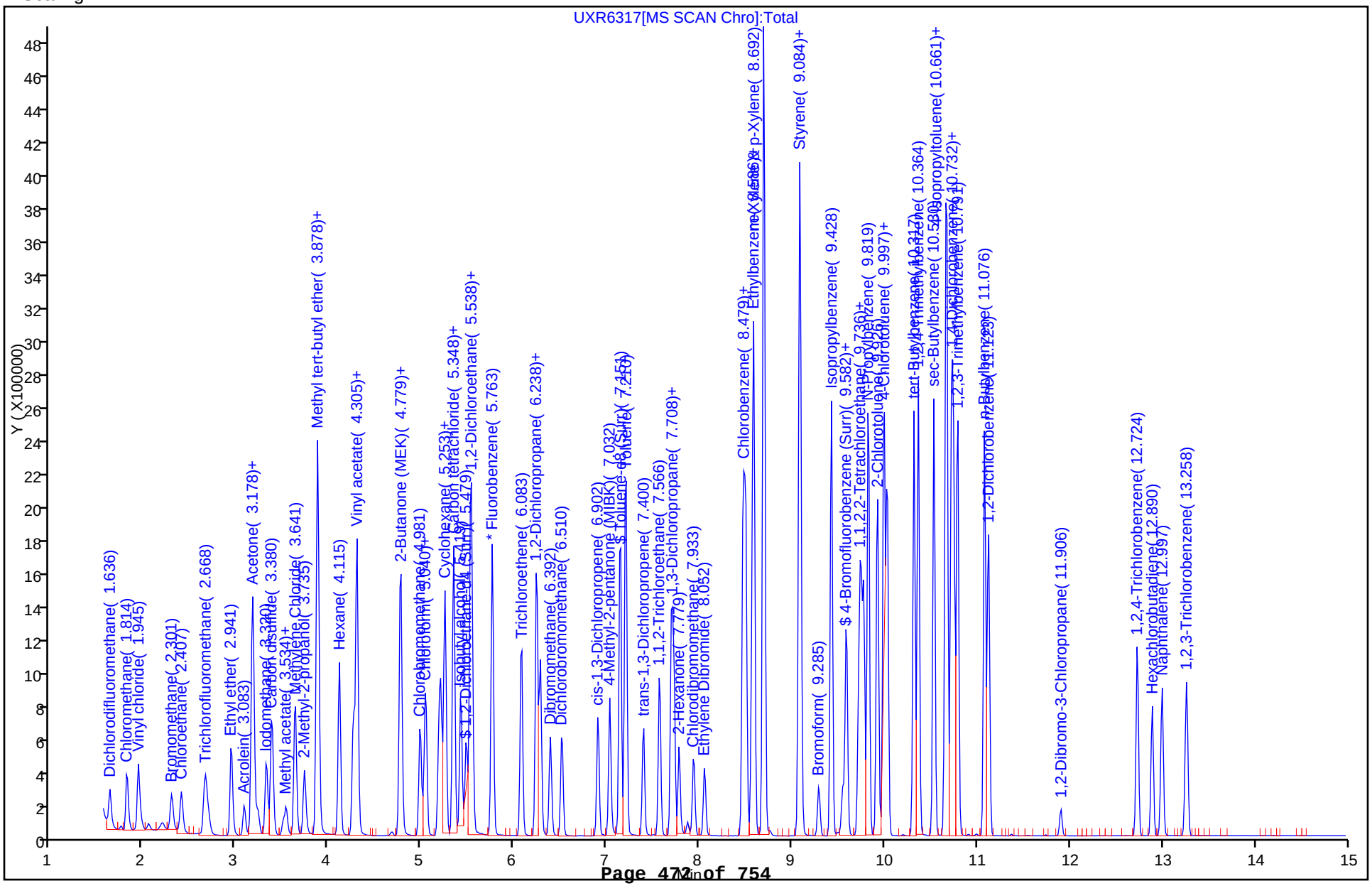
Report Date: 12-Feb-2013 09:53:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6317.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 22:24:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SW-2 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 26 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-2 MS | Lab Sample ID: 240-20760-4 MS

Matrix: Solid | Lab File ID: UX83308.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:15

Sample wt/vol: 5.46(g) | Date Analyzed: 02/08/2013 05:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 87.8 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 309 | | 150 | 47 |
| 71-43-2 | Benzene | 203 | | 37 | 1.7 |
| 75-27-4 | Dichlorobromomethane | 146 | | 37 | 2.1 |
| 75-25-2 | Bromoform | 97.3 | | 37 | 2.5 |
| 74-83-9 | Bromomethane | 160 | | 37 | 4.0 |
| 78-93-3 | 2-Butanone (MEK) | 262 | | 150 | 10 |
| 75-15-0 | Carbon disulfide | 176 | | 37 | 3.3 |
| 56-23-5 | Carbon tetrachloride | 154 | | 37 | 2.8 |
| 108-90-7 | Chlorobenzene | 194 | | 37 | 2.5 |
| 75-00-3 | Chloroethane | 218 | | 37 | 6.4 |
| 67-66-3 | Chloroform | 213 | | 37 | 2.2 |
| 74-87-3 | Chloromethane | 209 | | 37 | 3.1 |
| 75-34-3 | 1,1-Dichloroethane | 209 | | 37 | 2.7 |
| 107-06-2 | 1,2-Dichloroethane | 175 | | 37 | 2.5 |
| 75-35-4 | 1,1-Dichloroethene | 228 | | 37 | 3.9 |
| 78-87-5 | 1,2-Dichloropropane | 191 | | 37 | 5.2 |
| 10061-01-5 | cis-1,3-Dichloropropene | 114 | | 37 | 2.5 |
| 10061-02-6 | trans-1,3-Dichloropropene | 144 | | 37 | 4.0 |
| 100-41-4 | Ethylbenzene | 210 | | 37 | 1.9 |
| 591-78-6 | 2-Hexanone | 256 | | 150 | 4.7 |
| 75-09-2 | Methylene Chloride | 205 | | 37 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 245 | | 150 | 4.0 |
| 100-42-5 | Styrene | 117 | | 37 | 1.1 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 252 | | 37 | 2.5 |
| 127-18-4 | Tetrachloroethene | 230 | | 37 | 3.9 |
| 108-88-3 | Toluene | 244 | | 37 | 2.0 |
| 79-01-6 | Trichloroethene | 193 | | 37 | 3.1 |
| 75-01-4 | Vinyl chloride | 226 | | 37 | 2.9 |
| 1330-20-7 | Xylenes, Total | 638 | | 75 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | 225 | | 37 | 4.2 |
| 79-00-5 | 1,1,2-Trichloroethane | 203 | | 37 | 2.9 |
| 110-82-7 | Cyclohexane | 187 | | 75 | 2.5 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 144 | | 75 | 9.7 |
| 106-93-4 | Ethylene Dibromide | 176 | | 37 | 3.7 |
| 75-71-8 | Dichlorodifluoromethane | 243 | | 37 | 3.7 |
| 156-59-2 | cis-1,2-Dichloroethene | 199 | | 37 | 2.7 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-2 MS | Lab Sample ID: 240-20760-4 MS

Matrix: Solid | Lab File ID: UX83308.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:15

Sample wt/vol: 5.46(g) | Date Analyzed: 02/08/2013 05:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 87.8 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 208 | | 37 | 3.1 |
| 98-82-8 | Isopropylbenzene | 192 | | 37 | 1.2 |
| 79-20-9 | Methyl acetate | 98.3 | | 75 | 10 |
| 1634-04-4 | Methyl tert-butyl ether | 169 | | 150 | 3.2 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 225 | | 37 | 9.7 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 64.1 | | 37 | 2.0 |
| 95-50-1 | 1,2-Dichlorobenzene | 168 | | 37 | 2.7 |
| 541-73-1 | 1,3-Dichlorobenzene | 202 | | 37 | 2.6 |
| 106-46-7 | 1,4-Dichlorobenzene | 187 | | 37 | 4.9 |
| 75-69-4 | Trichlorofluoromethane | 255 | | 37 | 2.5 |
| 124-48-1 | Chlorodibromomethane | 140 | | 37 | 4.1 |
| 108-87-2 | Methylcyclohexane | 143 | | 75 | 2.3 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 79 | | 58-123 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 68 | | 52-136 |
| 2037-26-5 | Toluene-d8 (Surr) | 117 | | 67-125 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 92 | | 37-132 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83308.D
Lims ID: 240-20760-C-4-C MS Client ID: SED-2
Inject. Date: 08-Feb-2013 05:37:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0017213-021
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 74675 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:24:37 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 08-Feb-2013 09:50:29

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.156 | 0.0 | 99 | 1593532 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.687 | 0.0 | 97 | 862916 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.875 | 0.0 | 98 | 219972 | 50.0 | s |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.623 | 4.627 | -0.004 | 58 | 317044 | 45.8 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.895 | 4.887 | 0.008 | 97 | 355230 | 39.4 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.425 | -0.004 | 94 | 1075465 | 58.6 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.763 | 8.755 | 0.008 | 90 | 222942 | 33.8 | |
| 135 1,4-Dichlorobutane | 1 | | 0.000 | | | | | |
| 134 Chlorodifluoromethane TIC | 1 | | 0.000 | | | | | |
| 138 Butyl Methacrylate TIC | 1 | | 0.000 | | | | | |
| 12 Dichlorodifluoromethane | 85 | 1.572 | 1.575 | -0.003 | 96 | 138959 | 32.4 | |
| 13 Chloromethane | 50 | 1.749 | 1.753 | -0.004 | 100 | 241739 | 27.9 | |
| 14 Vinyl chloride | 62 | 1.867 | 1.871 | -0.004 | 99 | 163032 | 30.2 | |
| 15 Bromomethane | 94 | 2.187 | 2.190 | -0.003 | 92 | 60543 | 21.3 | |
| 16 Chloroethane | 64 | 2.281 | 2.285 | -0.004 | 90 | 99841 | 29.1 | |
| 17 Dichlorofluoromethane | 67 | | 2.447 | | | | | |
| 18 Trichlorofluoromethane | 101 | 2.506 | 2.510 | -0.004 | 97 | 247716 | 34.1 | |
| 19 Ethyl ether | 59 | 2.743 | 2.743 | 0.0 | 94 | 198129 | 25.5 | |
| 20 Acrolein | 56 | 2.837 | 2.841 | -0.004 | 38 | 3017 | 1.57 | |
| 25 Methylal | 45 | | 2.856 | | | | | |
| 21 1,1-Dichloroethene | 96 | 2.932 | 2.935 | -0.003 | 95 | 169188 | 30.4 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.944 | 2.947 | -0.003 | 86 | 135448 | 30.0 | |
| 22 Acetone | 43 | 2.956 | 2.959 | -0.003 | 97 | 194451 | 41.2 | |
| 24 Iodomethane | 142 | 3.050 | 3.054 | -0.004 | 99 | 213285 | 19.2 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.113 | -0.004 | 98 | 366622 | 23.5 | |
| 27 Acetonitrile | 41 | 3.168 | 3.172 | -0.004 | 99 | 98228 | 57.4 | |
| 29 3-Chloro-1-propene | 76 | | 3.216 | | | | | 9 |
| 28 Methyl acetate | 43 | 3.216 | 3.219 | -0.003 | 97 | 136465 | 13.1 | |
| 30 Methylene Chloride | 84 | 3.299 | 3.302 | -0.003 | 92 | 206472 | 27.3 | |
| 31 2-Methyl-2-propanol | 59 | 3.381 | 3.373 | 0.008 | 89 | 266559 | 306.5 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.476 | 3.480 | -0.004 | 96 | 226871 | 50.3 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.515 | 0.008 | 86 | 455826 | 22.6 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.523 | 3.527 | -0.004 | 77 | 189012 | 27.8 | |
| 35 Hexane | 86 | 3.736 | 3.728 | 0.008 | 96 | 39377 | 21.5 | |
| 36 1,1-Dichloroethane | 63 | 3.843 | 3.834 | 0.009 | 96 | 370243 | 27.8 | |
| 37 Vinyl acetate | 86 | | 3.858 | | | | | |
| 38 Isopropyl ether | 87 | 3.878 | 3.878 | 0.0 | 95 | 165505 | 26.7 | |
| 39 2-Chloro-1,3-butadiene | 53 | | 3.914 | | | | | |
| 40 Tert-butyl ethyl ether | 59 | | 4.150 | | | | | 9 |
| 42 cis-1,2-Dichloroethene | 96 | 4.269 | 4.272 | -0.004 | 89 | 204983 | 26.5 | |
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.272 | -0.004 | 89 | 230425 | 35.0 | |
| 43 2,2-Dichloropropane | 77 | 4.280 | 4.284 | -0.004 | 74 | 167513 | 31.2 | |
| 45 Ethyl acetate | 43 | | 4.304 | | | | | |
| 44 Propionitrile | 54 | | 4.304 | | | | | |
| 46 Methacrylonitrile | 41 | | 4.434 | | | | | 9 |
| 47 Chlorobromomethane | 128 | 4.458 | 4.449 | 0.009 | 87 | 107085 | 25.3 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.497 | -0.004 | 91 | 69799 | 15.7 | |
| 49 Chloroform | 83 | 4.505 | 4.509 | -0.004 | 98 | 340686 | 28.5 | |
| 50 1,1,1-Trichloroethane | 97 | 4.671 | 4.662 | 0.009 | 93 | 266540 | 30.0 | |
| 51 Cyclohexane | 56 | 4.718 | 4.722 | -0.004 | 96 | 369614 | 25.0 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.793 | -0.003 | 82 | 231528 | 26.9 | |
| 53 Carbon tetrachloride | 117 | 4.801 | 4.804 | -0.003 | 87 | 170591 | 20.5 | |
| 54 Isobutyl alcohol | 41 | 4.813 | 4.813 | 0.0 | 92 | 287752 | 810.4 | |
| 56 1,2-Dichloroethane | 62 | 4.955 | 4.946 | 0.009 | 57 | 281048 | 23.4 | |
| 55 Benzene | 78 | 4.955 | 4.946 | 0.009 | 94 | 717886 | 27.0 | |
| 57 Tert-amyl methyl ether | 73 | | 5.014 | | | | | 9 |
| 58 n-Heptane | 100 | | 5.132 | | | | | |
| 59 n-Butanol | 56 | 5.333 | 5.321 | 0.012 | 55 | 2777 | 13.6 | |
| 60 Trichloroethene | 130 | 5.440 | 5.443 | -0.003 | 93 | 204183 | 25.8 | |
| 61 Ethyl acrylate | 55 | | 5.487 | | | | | |
| 63 Methylcyclohexane | 83 | 5.617 | 5.609 | 0.008 | 91 | 218310 | 19.1 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.621 | -0.003 | 81 | 190965 | 25.5 | |
| 64 Methyl methacrylate | 41 | | 5.676 | | | | | 9 |
| 65 Dibromomethane | 93 | 5.712 | 5.715 | -0.003 | 84 | 102690 | 23.6 | |
| 66 1,4-Dioxane | 88 | | 5.715 | | | | | |
| 67 Dichlorobromomethane | 83 | 5.830 | 5.822 | 0.008 | 95 | 158032 | 19.5 | |
| 68 2-Nitropropane | 41 | | 5.996 | | | | | 9 |
| 69 2-Chloroethyl vinyl ether | 63 | 6.055 | 6.046 | 0.009 | 38 | 6150 | 3.93 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.185 | 6.188 | -0.003 | 77 | 139055 | 15.3 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.295 | 0.008 | 97 | 384508 | 32.7 | |
| 72 Toluene | 91 | 6.480 | 6.484 | -0.004 | 97 | 719179 | 32.6 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.638 | 0.008 | 87 | 120447 | 19.2 | |
| 74 Ethyl methacrylate | 69 | | 6.709 | | | | | |
| 75 1,1,2-Trichloroethane | 97 | 6.800 | 6.803 | -0.003 | 95 | 123169 | 27.1 | |
| 77 Tetrachloroethene | 164 | 6.965 | 6.957 | 0.008 | 97 | 136777 | 30.7 | |
| 76 1,3-Dichloropropane | 76 | 6.954 | 6.957 | -0.003 | 91 | 207553 | 27.1 | |
| 78 2-Hexanone | 43 | 7.001 | 7.004 | -0.003 | 97 | 208198 | 34.1 | |
| 132 n-Butyl acetate | 43 | | 7.108 | | | | | 19 |
| 79 Chlorodibromomethane | 129 | 7.167 | 7.158 | 0.008 | 89 | 92692 | 18.7 | |
| 80 Tetrahydrothiophene | 60 | | 7.255 | | | | | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.276 | -0.003 | 96 | 110713 | 23.5 | |
| 81 1-Chlorohexane | 91 | | 7.663 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 82 Chlorobenzene | 112 | 7.711 | 7.714 | -0.003 | 93 | 392063 | 25.8 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.770 | 7.773 | -0.003 | 87 | 132944 | 26.8 | |
| 84 Ethylbenzene | 106 | 7.805 | 7.797 | 0.008 | 98 | 217545 | 28.0 | |
| 10 m-Xylene & p-Xylene | 106 | 7.900 | 7.903 | -0.003 | 98 | 528120 | 57.4 | |
| 85 o-Xylene | 106 | 8.278 | 8.270 | 0.008 | 91 | 238719 | 27.7 | |
| 86 Styrene | 104 | 8.278 | 8.282 | -0.004 | 78 | 221807 | 15.7 | |
| 87 Bromoform | 173 | 8.456 | 8.459 | -0.003 | 88 | 38167 | 13.0 | |
| 88 Isopropylbenzene | 105 | 8.610 | 8.613 | -0.003 | 97 | 567654 | 25.7 | |
| 89 Cyclohexanone | 55 | 8.704 | 8.704 | 0.0 | 95 | 94776 | 59.1 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.870 | 8.873 | -0.003 | 94 | 92756 | 33.6 | |
| 91 Bromobenzene | 156 | 8.917 | 8.909 | 0.008 | 85 | 124306 | 36.4 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.921 | 0.008 | 76 | 40332 | 35.8 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.932 | -0.003 | 60 | 33930 | 29.7 | |
| 94 N-Propylbenzene | 120 | 9.000 | 9.003 | -0.003 | 98 | 141341 | 43.3 | |
| 95 2-Chlorotoluene | 126 | 9.095 | 9.098 | -0.003 | 97 | 117570 | 38.8 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.166 | 9.169 | -0.003 | 73 | 366755 | 39.1 | |
| 104 4-Chlorotoluene | 126 | 9.201 | 9.193 | 0.008 | 98 | 111044 | 35.8 | |
| 97 tert-Butylbenzene | 119 | 9.485 | 9.488 | -0.003 | 93 | 374458 | 41.7 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.536 | -0.004 | 74 | 351143 | 37.0 | |
| 99 sec-Butylbenzene | 105 | 9.698 | 9.701 | -0.003 | 94 | 396507 | 34.6 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.820 | -0.004 | 83 | 164739 | 27.0 | |
| 101 4-Isopropyltoluene | 119 | 9.840 | 9.843 | -0.003 | 88 | 338368 | 35.2 | |
| 102 1,4-Dichlorobenzene | 146 | 9.899 | 9.902 | -0.003 | 91 | 161054 | 25.0 | |
| 103 1,2,3-Trimethylbenzene | 105 | 9.946 | 9.946 | 0.0 | 95 | 339076 | 35.7 | |
| 133 Benzyl chloride | 126 | | 10.016 | | | | | |
| 105 n-Butylbenzene | 91 | 10.242 | 10.245 | -0.003 | 94 | 207482 | 26.6 | |
| 106 1,2-Dichlorobenzene | 146 | 10.266 | 10.269 | -0.003 | 94 | 130358 | 22.5 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.023 | 11.026 | -0.003 | 29 | 8844 | 19.2 | |
| 108 1,3,5-Trichlorobenzene | 180 | | 11.251 | | | | | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.862 | 11.854 | 0.008 | 71 | 25130 | 8.56 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.032 | -0.004 | 74 | 15691 | 16.8 | |
| 111 Naphthalene | 128 | 12.111 | 12.103 | 0.008 | 63 | 37055 | 5.25 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.363 | -0.004 | 51 | 16503 | 6.57 | |
| 113 2-Methylnaphthalene | 142 | | 13.424 | | | | | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 79.7 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 54.3 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 34.5 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 85.1 | |
| T 137 Hexachloroethane TIC | 166 | | 10.500 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

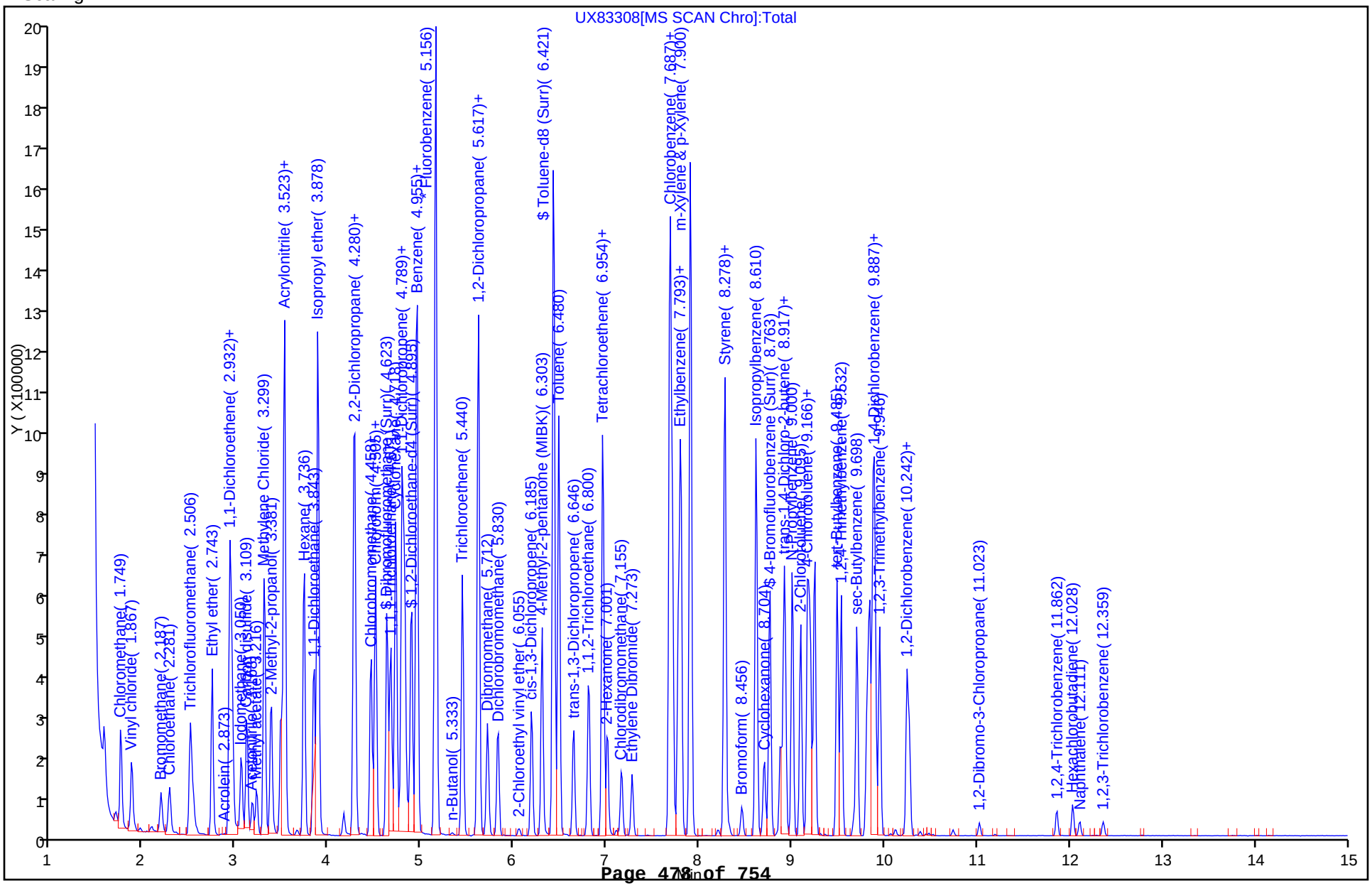
Report Date: 09-Feb-2013 03:24:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83308.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 05:37:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SED-2 | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 21 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 MS | Lab Sample ID: 240-20760-12 MS

Matrix: Water | Lab File ID: UXR6338.D

Analysis Method: 8260B | Date Collected: 02/06/2013 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 21:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 18.3 | | 10 | 1.1 |
| 71-43-2 | Benzene | 9.96 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 9.67 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 8.77 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 9.93 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 16.7 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 9.66 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 10.0 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.32 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 10.2 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.53 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 9.85 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 9.67 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.70 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 10.4 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 9.61 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 7.83 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 8.36 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 9.44 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 17.2 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.67 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 17.0 | | 10 | 0.32 |
| 100-42-5 | Styrene | 9.98 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.00 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 10.7 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 9.42 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 10.1 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 10.3 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 29.1 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.27 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 9.70 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 9.55 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7.33 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.25 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 8.27 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 11.0 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 MS | Lab Sample ID: 240-20760-12 MS

Matrix: Water | Lab File ID: UXR6338.D

Analysis Method: 8260B | Date Collected: 02/06/2013 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 21:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 10.2 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 9.41 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 8.26 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13.6 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6.39 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 8.99 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 9.10 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 8.94 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 16.4 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 9.06 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 9.02 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 96 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 95 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 93 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6338.D
Lims ID: 240-20760-E-12 MS
Client ID: OW-5
Inject. Date: 12-Feb-2013 21:30:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0017290-021
Misc. Info.:
Operator: 1644
Instrument ID: A3UX17
Purge Vol: 5.000 mL
ALS Bottle#: 20
Lims Batch ID: 75030
Lims Sample ID: 21
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m
Last Update: 13-Feb-2013 09:51:19
Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK034

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1614305 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.467 | 8.467 | 0.0 | 84 | 1258300 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 83 | 782118 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 304477 | 8.33 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 384061 | 8.20 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 91 | 1377037 | 8.43 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 90 | 511335 | 8.59 | |
| 14 Dichlorodifluoromethane | 85 | 1.637 | 1.636 | 0.001 | 87 | 237913 | 8.27 | |
| 15 Chloromethane | 50 | 1.826 | 1.814 | 0.012 | 88 | 456434 | 9.85 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 488676 | 10.3 | |
| 18 Bromomethane | 94 | 2.301 | 2.300 | 0.001 | 89 | 190501 | 9.93 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 303403 | 10.2 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 98 | 476439 | 16.4 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 88 | 367257 | 10.6 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 95 | 193624 | 35.6 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.166 | 0.012 | 90 | 387793 | 10.4 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.178 | 0.012 | 82 | 303383 | 13.6 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 97 | 198926 | 18.3 | |
| 28 Iodomethane | 142 | 3.320 | 3.320 | 0.0 | 97 | 610135 | 10.2 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.380 | 0.0 | 99 | 1169096 | 9.66 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 98 | 129345 | 26.3 | |
| 32 Methyl acetate | 43 | 3.546 | 3.534 | 0.012 | 96 | 226565 | 7.67 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.629 | 0.012 | 86 | 445121 | 9.67 | |
| 34 2-Methyl-2-propanol | 59 | 3.736 | 3.735 | 0.001 | 94 | 369234 | 148.0 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.866 | 0.012 | 98 | 414823 | 28.7 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 90 | 950011 | 8.26 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.878 | 0.0 | 94 | 436296 | 10.2 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 103619 | 9.41 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.257 | 0.012 | 85 | 722823 | 9.67 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.293 | 0.012 | 87 | 59671 | 8.81 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 79 | 362605 | 9.24 | |
| 44 2,2-Dichloropropane | 77 | 4.779 | 4.767 | 0.012 | 52 | 292401 | 8.48 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 68 | 511385 | 11.0 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 276508 | 16.7 | |
| 50 Chlorobromomethane | 128 | 4.993 | 4.980 | 0.013 | 89 | 205293 | 9.35 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.016 | 0.012 | 93 | 87857 | 8.14 | |
| 52 Chloroform | 83 | 5.052 | 5.040 | 0.012 | 80 | 687266 | 9.53 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 88 | 474765 | 9.27 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 672691 | 9.55 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 95 | 548448 | 9.70 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 63 | 412263 | 10.0 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 90 | 471790 | 503.2 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 93 | 1819412 | 9.96 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 540916 | 9.70 | |
| 63 Trichloroethene | 130 | 6.083 | 6.071 | 0.012 | 93 | 461766 | 10.1 | |
| 65 Methylcyclohexane | 83 | 6.250 | 6.237 | 0.013 | 86 | 661305 | 9.02 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 94 | 392449 | 9.61 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 86 | 224728 | 9.70 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 437026 | 9.67 | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 431448 | 7.83 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 96 | 524257 | 17.0 | |
| 75 Toluene | 91 | 7.210 | 7.198 | 0.012 | 98 | 1832276 | 9.42 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 382111 | 8.36 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 87 | 338887 | 9.70 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 397635 | 10.7 | |
| 81 1,3-Dichloropropane | 76 | 7.720 | 7.720 | 0.0 | 90 | 609902 | 9.53 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 95 | 349993 | 17.2 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 88 | 278826 | 9.06 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 98 | 309103 | 9.25 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.502 | 0.001 | 94 | 1168946 | 9.32 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 84 | 350857 | 9.37 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 98 | 616931 | 9.44 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 99 | 1614060 | 19.4 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 770335 | 9.70 | |
| 92 Styrene | 104 | 9.096 | 9.095 | 0.001 | 94 | 1267530 | 9.98 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 97 | 159511 | 8.77 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 95 | 1907190 | 9.41 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 89 | 159445 | 34.8 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 432678 | 9.00 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 82 | 498744 | 8.94 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 71 | 192970 | 16.7 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 67 | 143101 | 9.15 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 95 | 571941 | 9.61 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 96 | 477236 | 8.95 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 86 | 1680726 | 9.43 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 528260 | 9.20 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 90 | 1426527 | 9.00 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 76 | 1718963 | 9.40 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 93 | 2062542 | 9.11 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 97 | 1021982 | 9.10 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1802075 | 9.52 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 1038284 | 8.94 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 87 | 1763117 | 9.55 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 95 | 1510223 | 8.69 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 98 | 957776 | 8.99 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 73 | 51098 | 7.33 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 485327 | 6.39 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 92 | 225711 | 6.95 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 966259 | 5.93 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 100 | 450730 | 7.10 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 37.0 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 21.2 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 29.1 | |

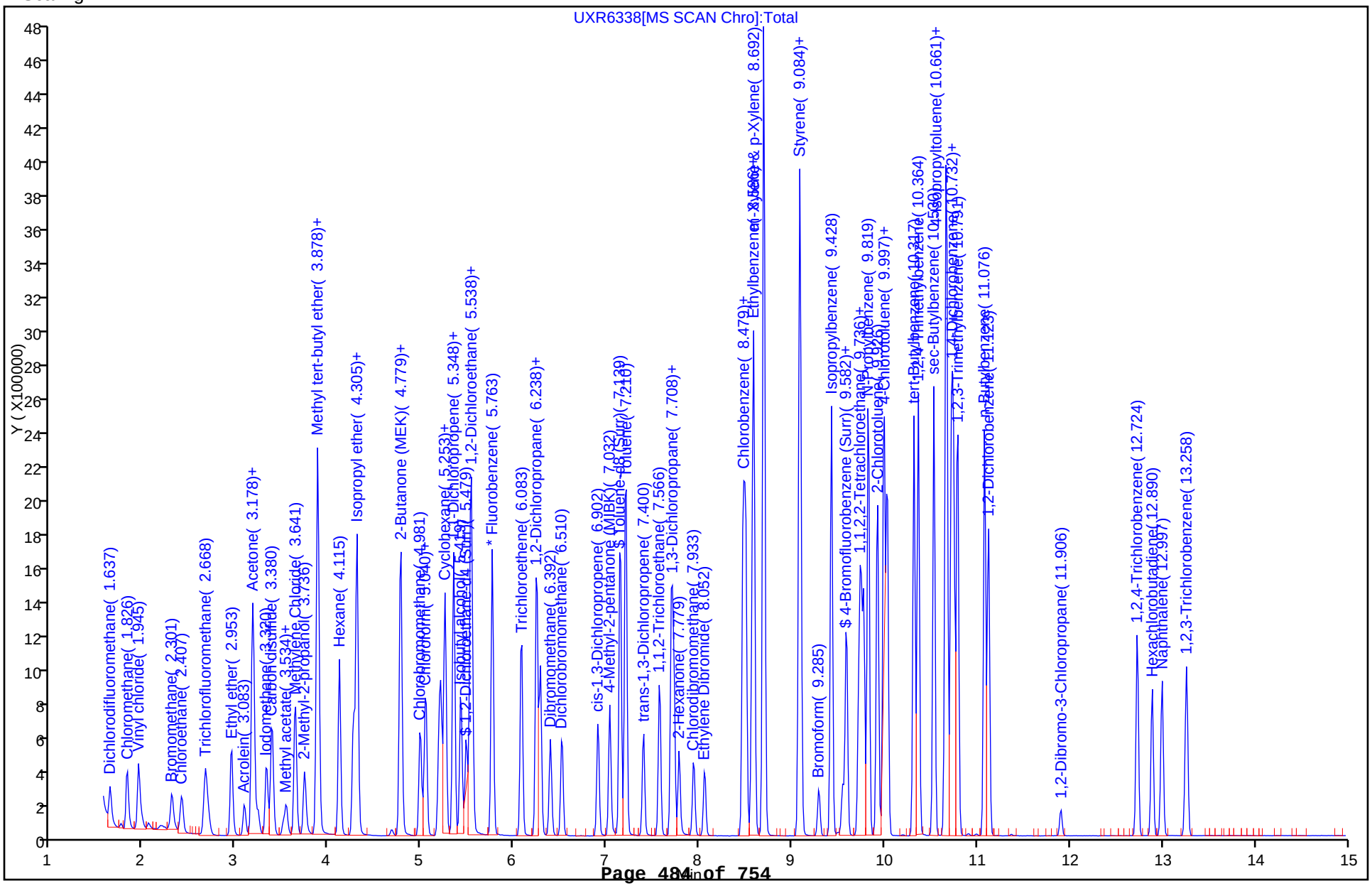
Report Date: 13-Feb-2013 09:51:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6338.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 21:30:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-5 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 21 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-2 MSD | Lab Sample ID: 240-20760-1 MSD

Matrix: Water | Lab File ID: UXR6318.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 22:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 18.6 | | 10 | 1.1 |
| 71-43-2 | Benzene | 10.0 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 9.75 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 9.01 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 9.95 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 17.9 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 9.87 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 10.3 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.33 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 10.1 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.48 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 9.63 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 9.68 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.55 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 10.6 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 9.84 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 8.43 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 8.61 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 9.39 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 17.7 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.62 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 18.0 | | 10 | 0.32 |
| 100-42-5 | Styrene | 9.74 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.23 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 9.10 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 9.25 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 9.51 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 10.4 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 28.3 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.33 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 9.57 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 9.73 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7.91 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.38 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 8.83 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 9.68 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SW-2 MSD | Lab Sample ID: 240-20760-1 MSD

Matrix: Water | Lab File ID: UXR6318.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/11/2013 22:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74898 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 10.2 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 9.29 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 8.71 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 13.0 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6.62 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 8.97 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 9.02 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 8.96 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 15.3 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 9.33 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 9.11 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 93 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 93 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6318.D | | |
| Lims ID: | 240-20760-I-1 MSD | Client ID: | SW-2 |
| Inject. Date: | 11-Feb-2013 22:46:30 | Dil. Factor: | 1.0000 |
| Sample Type: | MSD | | |
| Sample ID: | 240-0017265-027 | | |
| Misc. Info.: | | | |
| Operator: | 1644 | Instrument ID: | A3UX17 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 26 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 27 |
| Detector: | MS SCAN | | |
| Method: | \\NCCHROM\ChromData\A3UX17\20130211-17265.b\8260_17.m | | |
| Last Update: | 12-Feb-2013 09:53:42 | Calib Date: | 30-Jan-2013 20:24:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | RT Order ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK008 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1678487 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.479 | 0.0 | 82 | 1345076 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 84 | 807756 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 60 | 315010 | 8.29 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 401302 | 8.24 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.151 | 7.139 | 0.012 | 91 | 1430523 | 8.19 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 91 | 529334 | 8.32 | |
| 14 Dichlorodifluoromethane | 85 | 1.637 | 1.636 | 0.0 | 98 | 263987 | 8.83 | |
| 15 Chloromethane | 50 | 1.826 | 1.826 | 0.0 | 89 | 464043 | 9.63 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 98 | 512312 | 10.4 | |
| 18 Bromomethane | 94 | 2.301 | 2.301 | 0.0 | 88 | 198478 | 9.95 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 99 | 312462 | 10.1 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 86 | 460818 | 15.3 | |
| 22 Ethyl ether | 59 | 2.953 | 2.953 | 0.0 | 87 | 376838 | 10.5 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 94 | 197863 | 35.0 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.178 | 0.0 | 97 | 408861 | 10.6 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.190 | 0.0 | 81 | 302433 | 13.0 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 100 | 209863 | 18.6 | |
| 28 Iodomethane | 142 | 3.332 | 3.320 | 0.012 | 97 | 627536 | 10.1 | |
| 29 Carbon disulfide | 76 | 3.392 | 3.380 | 0.012 | 99 | 1242052 | 9.87 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 99 | 134806 | 26.4 | |
| 32 Methyl acetate | 43 | 3.534 | 3.534 | 0.0 | 97 | 223230 | 7.27 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.629 | 0.012 | 85 | 460603 | 9.62 | |
| 34 2-Methyl-2-propanol | 59 | 3.735 | 3.735 | 0.0 | 91 | 418053 | 161.2 | |
| 36 Acrylonitrile | 53 | 3.878 | 3.866 | 0.012 | 100 | 456305 | 30.4 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 91 | 1041714 | 8.71 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.890 | 3.878 | 0.012 | 97 | 454524 | 10.2 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 110529 | 9.66 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.257 | 0.012 | 85 | 751905 | 9.68 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 81 | 389308 | 9.54 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.305 | 0.0 | 82 | 53128 | 7.54 | |
| 44 2,2-Dichloropropane | 77 | 4.779 | 4.767 | 0.012 | 56 | 319528 | 8.91 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 69 | 467973 | 9.68 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 307712 | 17.9 | |
| 50 Chlorobromomethane | 128 | 4.992 | 4.981 | 0.011 | 95 | 218053 | 9.55 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.016 | 0.012 | 93 | 92210 | 8.23 | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 79 | 710927 | 9.48 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 93 | 496691 | 9.33 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 87 | 712592 | 9.73 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 62 | 439934 | 10.3 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 94 | 579434 | 9.86 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.431 | -0.012 | 90 | 539664 | 538.7 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 93 | 1900123 | 10.0 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 553749 | 9.55 | |
| 63 Trichloroethene | 130 | 6.083 | 6.072 | 0.011 | 95 | 451737 | 9.51 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.238 | 0.0 | 89 | 694969 | 9.11 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 93 | 417774 | 9.84 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 86 | 241384 | 10.0 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 457995 | 9.75 | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 483071 | 8.43 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 577297 | 18.0 | |
| 75 Toluene | 91 | 7.210 | 7.198 | 0.012 | 98 | 1924136 | 9.25 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 420746 | 8.61 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 85 | 357357 | 9.57 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 362244 | 9.10 | |
| 81 1,3-Dichloropropane | 76 | 7.732 | 7.720 | 0.012 | 86 | 662409 | 9.69 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 94 | 385299 | 17.7 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 90 | 306793 | 9.33 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 97 | 334988 | 9.38 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.503 | 0.0 | 95 | 1251649 | 9.33 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 84 | 374245 | 9.35 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.586 | 0.0 | 98 | 655666 | 9.39 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 100 | 1684085 | 18.9 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 93 | 800079 | 9.43 | |
| 92 Styrene | 104 | 9.096 | 9.095 | 0.001 | 94 | 1322761 | 9.74 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 98 | 175083 | 9.01 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 95 | 2013209 | 9.29 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 88 | 183500 | 38.8 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 82 | 458062 | 9.23 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 75 | 529444 | 9.19 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 67 | 155376 | 9.62 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 75 | 218476 | 18.3 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 95 | 599426 | 9.75 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.926 | 0.0 | 97 | 509059 | 9.24 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 84 | 1744180 | 9.47 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 550707 | 9.29 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 89 | 1478493 | 9.03 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 85 | 1804035 | 9.55 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2079507 | 8.89 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 97 | 1046401 | 9.02 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1844833 | 9.44 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 1075204 | 8.96 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 87 | 1811107 | 9.50 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1515380 | 8.44 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 986896 | 8.97 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 75 | 56887 | 7.91 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 93 | 518673 | 6.62 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 92 | 215385 | 6.37 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1111890 | 6.61 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 468415 | 7.14 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 37.6 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.9 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 28.4 | |

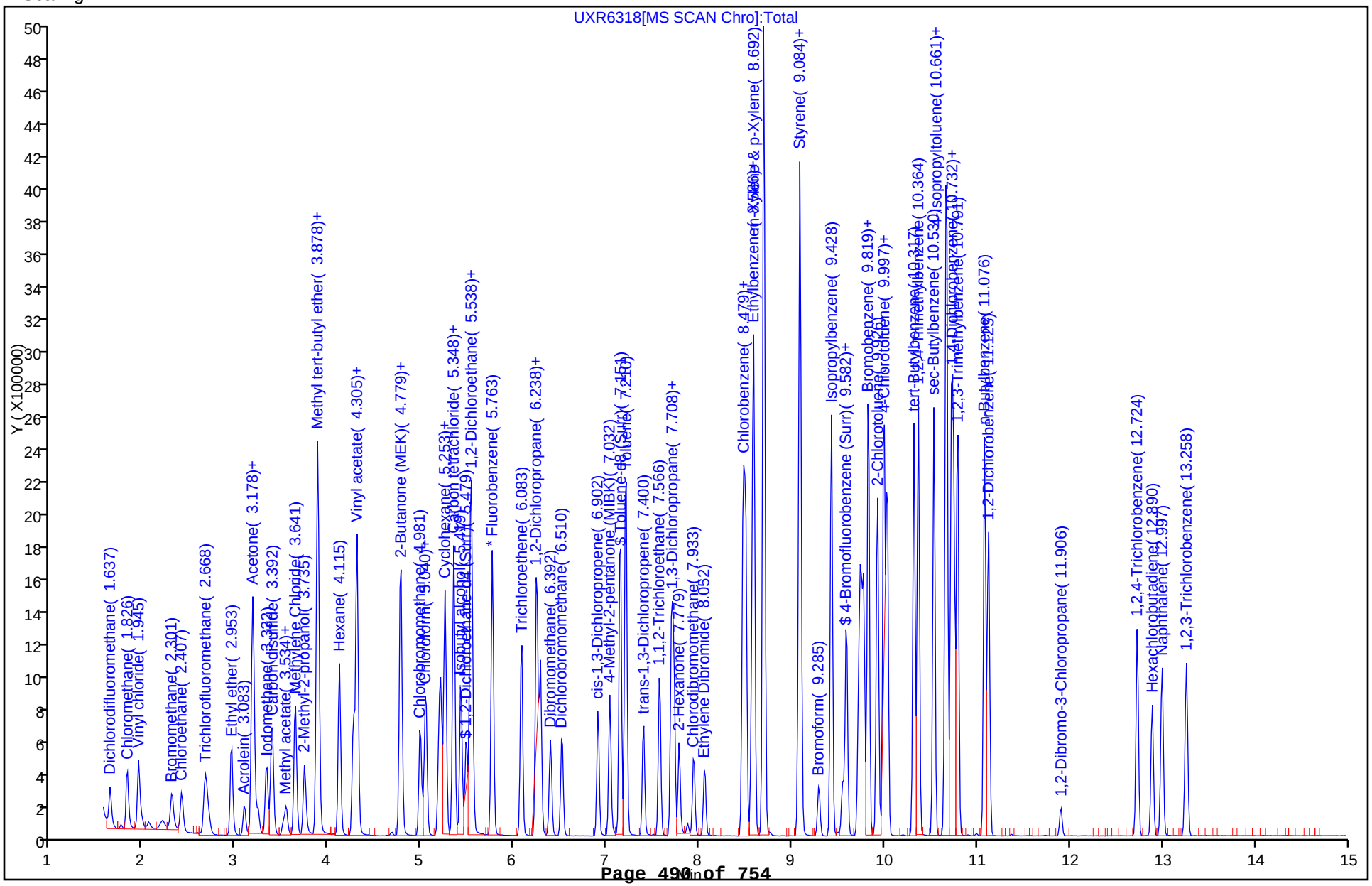
Report Date: 12-Feb-2013 09:53:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130211-17265.b\UXR6318.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 22:46:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SW-2 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 74898 | Lims Sample ID: | 27 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-2 MSD | Lab Sample ID: 240-20760-4 MSD

Matrix: Solid | Lab File ID: UX83309.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:15

Sample wt/vol: 5.16(g) | Date Analyzed: 02/08/2013 05:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 87.8 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 336 | | 160 | 50 |
| 71-43-2 | Benzene | 213 | | 40 | 1.8 |
| 75-27-4 | Dichlorobromomethane | 117 | | 40 | 2.2 |
| 75-25-2 | Bromoform | 66.9 | | 40 | 2.6 |
| 74-83-9 | Bromomethane | 141 | | 40 | 4.3 |
| 78-93-3 | 2-Butanone (MEK) | 267 | | 160 | 11 |
| 75-15-0 | Carbon disulfide | 160 | | 40 | 3.5 |
| 56-23-5 | Carbon tetrachloride | 109 | | 40 | 2.9 |
| 108-90-7 | Chlorobenzene | 188 | | 40 | 2.6 |
| 75-00-3 | Chloroethane | 260 | | 40 | 6.8 |
| 67-66-3 | Chloroform | 235 | | 40 | 2.3 |
| 74-87-3 | Chloromethane | 241 | | 40 | 3.3 |
| 75-34-3 | 1,1-Dichloroethane | 224 | | 40 | 2.9 |
| 107-06-2 | 1,2-Dichloroethane | 181 | | 40 | 2.7 |
| 75-35-4 | 1,1-Dichloroethene | 250 | | 40 | 4.1 |
| 78-87-5 | 1,2-Dichloropropane | 199 | | 40 | 5.5 |
| 10061-01-5 | cis-1,3-Dichloropropene | 80.2 | | 40 | 2.7 |
| 10061-02-6 | trans-1,3-Dichloropropene | 107 | | 40 | 4.3 |
| 100-41-4 | Ethylbenzene | 209 | | 40 | 2.1 |
| 591-78-6 | 2-Hexanone | 222 | | 160 | 5.0 |
| 75-09-2 | Methylene Chloride | 223 | | 40 | 5.3 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 242 | | 160 | 4.3 |
| 100-42-5 | Styrene | 104 | | 40 | 1.2 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 242 | | 40 | 2.7 |
| 127-18-4 | Tetrachloroethene | 222 | | 40 | 4.1 |
| 108-88-3 | Toluene | 248 | | 40 | 2.1 |
| 79-01-6 | Trichloroethene | 199 | | 40 | 3.3 |
| 75-01-4 | Vinyl chloride | 266 | | 40 | 3.1 |
| 1330-20-7 | Xylenes, Total | 611 | | 79 | 5.3 |
| 71-55-6 | 1,1,1-Trichloroethane | 240 | | 40 | 4.4 |
| 79-00-5 | 1,1,2-Trichloroethane | 210 | | 40 | 3.1 |
| 110-82-7 | Cyclohexane | 188 | | 79 | 2.6 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 115 | | 79 | 10 |
| 106-93-4 | Ethylene Dibromide | 169 | | 40 | 4.0 |
| 75-71-8 | Dichlorodifluoromethane | 276 | | 40 | 4.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 209 | | 40 | 2.9 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: SED-2 MSD | Lab Sample ID: 240-20760-4 MSD

Matrix: Solid | Lab File ID: UX83309.D

Analysis Method: 8260B | Date Collected: 02/05/2013 14:15

Sample wt/vol: 5.16(g) | Date Analyzed: 02/08/2013 05:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 87.8 | Level: (low/med) Low

Analysis Batch No.: 74675 | Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 217 | | 40 | 3.3 |
| 98-82-8 | Isopropylbenzene | 174 | | 40 | 1.3 |
| 79-20-9 | Methyl acetate | ND | | 79 | 11 |
| 1634-04-4 | Methyl tert-butyl ether | 177 | | 160 | 3.4 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 257 | | 40 | 10 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 49.6 | | 40 | 2.1 |
| 95-50-1 | 1,2-Dichlorobenzene | 150 | | 40 | 2.9 |
| 541-73-1 | 1,3-Dichlorobenzene | 170 | | 40 | 2.8 |
| 106-46-7 | 1,4-Dichlorobenzene | 165 | | 40 | 5.2 |
| 75-69-4 | Trichlorofluoromethane | 287 | | 40 | 2.7 |
| 124-48-1 | Chlorodibromomethane | 104 | | 40 | 4.4 |
| 108-87-2 | Methylcyclohexane | 128 | | 79 | 2.5 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 82 | | 58-123 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 70 | | 52-136 |
| 2037-26-5 | Toluene-d8 (Surr) | 119 | | 67-125 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 37-132 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83309.D
Lims ID: 240-20760-C-4-D MSD Client ID: SED-2
Inject. Date: 08-Feb-2013 05:59:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0017213-022
Misc. Info.: M30207A,8260SUX8,,402279 =M30207A,8260SUX8,,402279
Operator: 402279 Instrument ID: A3UX8
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 74675 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\8260_8.m
Last Update: 09-Feb-2013 03:24:37 Calib Date: 07-Feb-2013 00:21:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A3UX8\20130206-17176.b\UX83271.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: macenczaks Date: 08-Feb-2013 09:50:52

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.156 | 5.156 | 0.0 | 99 | 1483162 | 50.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.687 | 7.687 | 0.0 | 97 | 836203 | 50.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 9.875 | 9.875 | 0.0 | 99 | 209457 | 50.0 | s |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.623 | 4.627 | -0.004 | 58 | 303699 | 47.2 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.895 | 4.887 | 0.008 | 97 | 344400 | 41.2 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.421 | 6.425 | -0.004 | 94 | 1060048 | 59.6 | |
| $ 131 4-Bromofluorobenzene (Surr) | 95 | 8.763 | 8.755 | 0.008 | 91 | 224785 | 35.2 | |
| 135 1,4-Dichlorobutane | 1 | | 0.000 | | | | | |
| 134 Chlorodifluoromethane TIC | 1 | | 0.000 | | | | | |
| 138 Butyl Methacrylate TIC | 1 | | 0.000 | | | | | |
| 12 Dichlorodifluoromethane | 85 | 1.572 | 1.575 | -0.003 | 97 | 139271 | 34.9 | |
| 13 Chloromethane | 50 | 1.749 | 1.753 | -0.004 | 100 | 245287 | 30.4 | |
| 14 Vinyl chloride | 62 | 1.867 | 1.871 | -0.004 | 99 | 168520 | 33.5 | |
| 15 Bromomethane | 94 | 2.187 | 2.190 | -0.003 | 92 | 47001 | 17.8 | |
| 16 Chloroethane | 64 | 2.281 | 2.285 | -0.004 | 90 | 104726 | 32.7 | |
| 17 Dichlorofluoromethane | 67 | | 2.447 | | | | | |
| 18 Trichlorofluoromethane | 101 | 2.506 | 2.510 | -0.004 | 97 | 245082 | 36.2 | |
| 19 Ethyl ether | 59 | 2.743 | 2.743 | 0.0 | 95 | 184234 | 25.5 | |
| 20 Acrolein | 56 | 2.837 | 2.841 | -0.004 | 37 | 2583 | 1.44 | |
| 25 Methylal | 45 | | 2.856 | | | | | |
| 21 1,1-Dichloroethene | 96 | 2.932 | 2.935 | -0.003 | 96 | 163736 | 31.6 | |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.944 | 2.947 | -0.003 | 88 | 136472 | 32.4 | |
| 22 Acetone | 43 | 2.956 | 2.959 | -0.003 | 96 | 186171 | 42.4 | |
| 24 Iodomethane | 142 | 3.050 | 3.054 | -0.004 | 99 | 120613 | 11.7 | |
| 26 Carbon disulfide | 76 | 3.109 | 3.113 | -0.004 | 98 | 293573 | 20.2 | |
| 27 Acetonitrile | 41 | 3.168 | 3.172 | -0.004 | 98 | 87219 | 54.7 | |
| 29 3-Chloro-1-propene | 76 | | 3.216 | | | | | 9 |
| 28 Methyl acetate | 43 | 3.216 | 3.219 | -0.003 | 95 | 59603 | 6.16 | |
| 30 Methylene Chloride | 84 | 3.299 | 3.302 | -0.003 | 92 | 197407 | 28.1 | |
| 31 2-Methyl-2-propanol | 59 | 3.381 | 3.373 | 0.008 | 89 | 218740 | 270.2 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 32 Acrylonitrile | 53 | 3.476 | 3.480 | -0.004 | 95 | 195912 | 46.6 | |
| 34 Methyl tert-butyl ether | 73 | 3.523 | 3.515 | 0.008 | 87 | 419395 | 22.3 | |
| 33 trans-1,2-Dichloroethene | 96 | 3.523 | 3.527 | -0.004 | 78 | 173272 | 27.4 | |
| 35 Hexane | 86 | 3.736 | 3.728 | 0.008 | 96 | 32717 | 19.2 | |
| 36 1,1-Dichloroethane | 63 | 3.843 | 3.834 | 0.009 | 95 | 350201 | 28.3 | |
| 37 Vinyl acetate | 86 | | 3.858 | | | | | |
| 38 Isopropyl ether | 87 | 3.878 | 3.878 | 0.0 | 95 | 155765 | 27.0 | |
| 39 2-Chloro-1,3-butadiene | 53 | | 3.914 | | | | | |
| 40 Tert-butyl ethyl ether | 59 | | 4.150 | | | | | 9 |
| 42 cis-1,2-Dichloroethene | 96 | 4.269 | 4.272 | -0.004 | 89 | 190092 | 26.4 | |
| 41 2-Butanone (MEK) | 43 | 4.269 | 4.272 | -0.004 | 85 | 206215 | 33.6 | |
| 43 2,2-Dichloropropane | 77 | 4.280 | 4.284 | -0.004 | 77 | 162205 | 32.5 | |
| 45 Ethyl acetate | 43 | | 4.304 | | | | | |
| 44 Propionitrile | 54 | | 4.304 | | | | | |
| 46 Methacrylonitrile | 41 | | 4.434 | | | | | 9 |
| 47 Chlorobromomethane | 128 | 4.458 | 4.449 | 0.009 | 91 | 102287 | 26.0 | |
| 48 Tetrahydrofuran | 42 | 4.493 | 4.497 | -0.004 | 89 | 62252 | 15.1 | |
| 49 Chloroform | 83 | 4.505 | 4.509 | -0.004 | 98 | 329661 | 29.6 | |
| 50 1,1,1-Trichloroethane | 97 | 4.671 | 4.662 | 0.009 | 94 | 250453 | 30.3 | |
| 51 Cyclohexane | 56 | 4.718 | 4.722 | -0.004 | 97 | 326853 | 23.8 | |
| 52 1,1-Dichloropropene | 75 | 4.789 | 4.793 | -0.003 | 81 | 216014 | 27.0 | |
| 53 Carbon tetrachloride | 117 | 4.801 | 4.804 | -0.003 | 87 | 106004 | 13.7 | |
| 54 Isobutyl alcohol | 41 | 4.813 | 4.813 | 0.0 | 93 | 172237 | 521.2 | |
| 56 1,2-Dichloroethane | 62 | 4.943 | 4.946 | -0.003 | 56 | 255904 | 22.8 | |
| 55 Benzene | 78 | 4.955 | 4.946 | 0.009 | 94 | 663532 | 26.9 | |
| 57 Tert-amyl methyl ether | 73 | | 5.014 | | | | | 9 |
| 58 n-Heptane | 100 | | 5.132 | | | | | |
| 59 n-Butanol | 56 | | 5.321 | | | | | 9 |
| 60 Trichloroethene | 130 | 5.440 | 5.443 | -0.003 | 93 | 184869 | 25.1 | |
| 61 Ethyl acrylate | 55 | | 5.487 | | | | | |
| 63 Methylcyclohexane | 83 | 5.617 | 5.609 | 0.008 | 89 | 171742 | 16.2 | |
| 62 1,2-Dichloropropane | 63 | 5.617 | 5.621 | -0.003 | 80 | 174619 | 25.0 | |
| 64 Methyl methacrylate | 41 | | 5.676 | | | | | 9 |
| 65 Dibromomethane | 93 | 5.712 | 5.715 | -0.003 | 83 | 96207 | 23.8 | |
| 66 1,4-Dioxane | 88 | | 5.715 | | | | | |
| 67 Dichlorobromomethane | 83 | 5.830 | 5.822 | 0.008 | 94 | 111558 | 14.8 | |
| 68 2-Nitropropane | 41 | | 5.996 | | | | | |
| 69 2-Chloroethyl vinyl ether | 63 | 6.043 | 6.046 | -0.003 | 1 | 2919 | 2.00 | |
| 70 cis-1,3-Dichloropropene | 75 | 6.185 | 6.188 | -0.003 | 70 | 85835 | 10.1 | |
| 71 4-Methyl-2-pentanone (MIBK) | 43 | 6.303 | 6.295 | 0.008 | 98 | 334384 | 30.5 | |
| 72 Toluene | 91 | 6.480 | 6.484 | -0.004 | 97 | 669088 | 31.3 | |
| 73 trans-1,3-Dichloropropene | 75 | 6.646 | 6.638 | 0.008 | 90 | 81958 | 13.5 | |
| 74 Ethyl methacrylate | 69 | | 6.709 | | | | | |
| 75 1,1,2-Trichloroethane | 97 | 6.812 | 6.803 | 0.009 | 92 | 116308 | 26.5 | |
| 77 Tetrachloroethene | 164 | 6.965 | 6.957 | 0.008 | 96 | 120843 | 28.0 | |
| 76 1,3-Dichloropropane | 76 | 6.954 | 6.957 | -0.003 | 90 | 193133 | 26.0 | |
| 78 2-Hexanone | 43 | 7.001 | 7.004 | -0.003 | 95 | 165391 | 28.0 | |
| 132 n-Butyl acetate | 43 | | 7.108 | | | | | 19 |
| 79 Chlorodibromomethane | 129 | 7.155 | 7.158 | -0.003 | 84 | 62627 | 13.1 | |
| 80 Tetrahydrothiophene | 60 | | 7.255 | | | | | |
| 123 Ethylene Dibromide | 107 | 7.273 | 7.276 | -0.003 | 97 | 97449 | 21.4 | |
| 81 1-Chlorohexane | 91 | | 7.663 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 82 Chlorobenzene | 112 | 7.711 | 7.714 | -0.003 | 96 | 348596 | 23.7 | |
| 83 1,1,1,2-Tetrachloroethane | 131 | 7.770 | 7.773 | -0.003 | 91 | 117939 | 24.6 | |
| 84 Ethylbenzene | 106 | 7.805 | 7.797 | 0.008 | 98 | 198667 | 26.4 | |
| 10 m-Xylene & p-Xylene | 106 | 7.900 | 7.903 | -0.003 | 98 | 461786 | 51.8 | |
| 85 o-Xylene | 106 | 8.267 | 8.270 | -0.003 | 94 | 211178 | 25.3 | |
| 86 Styrene | 104 | 8.278 | 8.282 | -0.004 | 76 | 179626 | 13.1 | |
| 87 Bromoform | 173 | 8.456 | 8.459 | -0.003 | 84 | 24047 | 8.44 | |
| 88 Isopropylbenzene | 105 | 8.610 | 8.613 | -0.003 | 96 | 468720 | 21.9 | |
| 89 Cyclohexanone | 55 | 8.704 | 8.704 | 0.0 | 92 | 75240 | 48.4 | |
| 90 1,1,2,2-Tetrachloroethane | 83 | 8.870 | 8.873 | -0.003 | 87 | 80205 | 30.6 | |
| 91 Bromobenzene | 156 | 8.917 | 8.909 | 0.008 | 85 | 104416 | 32.1 | |
| 92 1,2,3-Trichloropropane | 110 | 8.929 | 8.921 | 0.008 | 80 | 35530 | 33.1 | |
| 93 trans-1,4-Dichloro-2-butene | 53 | 8.929 | 8.932 | -0.003 | 53 | 14287 | 13.1 | |
| 94 N-Propylbenzene | 120 | 9.000 | 9.003 | -0.003 | 98 | 115234 | 37.1 | |
| 95 2-Chlorotoluene | 126 | 9.095 | 9.098 | -0.003 | 96 | 96679 | 33.5 | |
| 96 1,3,5-Trimethylbenzene | 105 | 9.166 | 9.169 | -0.003 | 91 | 300272 | 33.6 | |
| 104 4-Chlorotoluene | 126 | 9.201 | 9.193 | 0.008 | 96 | 93870 | 31.7 | |
| 97 tert-Butylbenzene | 119 | 9.485 | 9.488 | -0.003 | 91 | 275354 | 32.2 | |
| 98 1,2,4-Trimethylbenzene | 105 | 9.532 | 9.536 | -0.004 | 96 | 286017 | 31.7 | |
| 99 sec-Butylbenzene | 105 | 9.698 | 9.701 | -0.003 | 92 | 297999 | 27.3 | |
| 100 1,3-Dichlorobenzene | 146 | 9.816 | 9.820 | -0.004 | 81 | 125120 | 21.5 | |
| 101 4-Isopropyltoluene | 119 | 9.840 | 9.843 | -0.003 | 90 | 245153 | 26.8 | |
| 102 1,4-Dichlorobenzene | 146 | 9.899 | 9.902 | -0.003 | 92 | 127316 | 20.8 | |
| 103 1,2,3-Trimethylbenzene | 105 | 9.946 | 9.946 | 0.0 | 88 | 268931 | 29.7 | |
| 133 Benzyl chloride | 126 | | 10.016 | | | | | |
| 105 n-Butylbenzene | 91 | 10.242 | 10.245 | -0.003 | 96 | 138872 | 18.7 | |
| 106 1,2-Dichlorobenzene | 146 | 10.266 | 10.269 | -0.003 | 95 | 104495 | 18.9 | |
| 107 1,2-Dibromo-3-Chloropropane | 157 | 11.023 | 11.026 | -0.003 | 21 | 6368 | 14.5 | |
| 108 1,3,5-Trichlorobenzene | 180 | | 11.251 | | | | | |
| 109 1,2,4-Trichlorobenzene | 180 | 11.862 | 11.854 | 0.008 | 57 | 17491 | 6.26 | |
| 110 Hexachlorobutadiene | 225 | 12.028 | 12.032 | -0.004 | 56 | 11305 | 11.4 | |
| 111 Naphthalene | 128 | 12.111 | 12.103 | 0.008 | 50 | 28402 | 4.22 | |
| 112 1,2,3-Trichlorobenzene | 180 | 12.359 | 12.363 | -0.004 | 37 | 12335 | 4.24 | |
| 113 2-Methylnaphthalene | 142 | | 13.424 | | | | | |
| S 136 Trihalomethanes, Total | 1 | | | | 0 | | 65.9 | |
| S 11 1,2-Dichloroethene, Total | 96 | | | | 0 | | 53.8 | |
| S 9 1,3-Dichloropropene, Total | 75 | | | | 0 | | 23.6 | |
| S 114 Xylenes, Total | 106 | | | | 0 | | 77.1 | |
| T 137 Hexachloroethane TIC | 166 | | 10.500 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

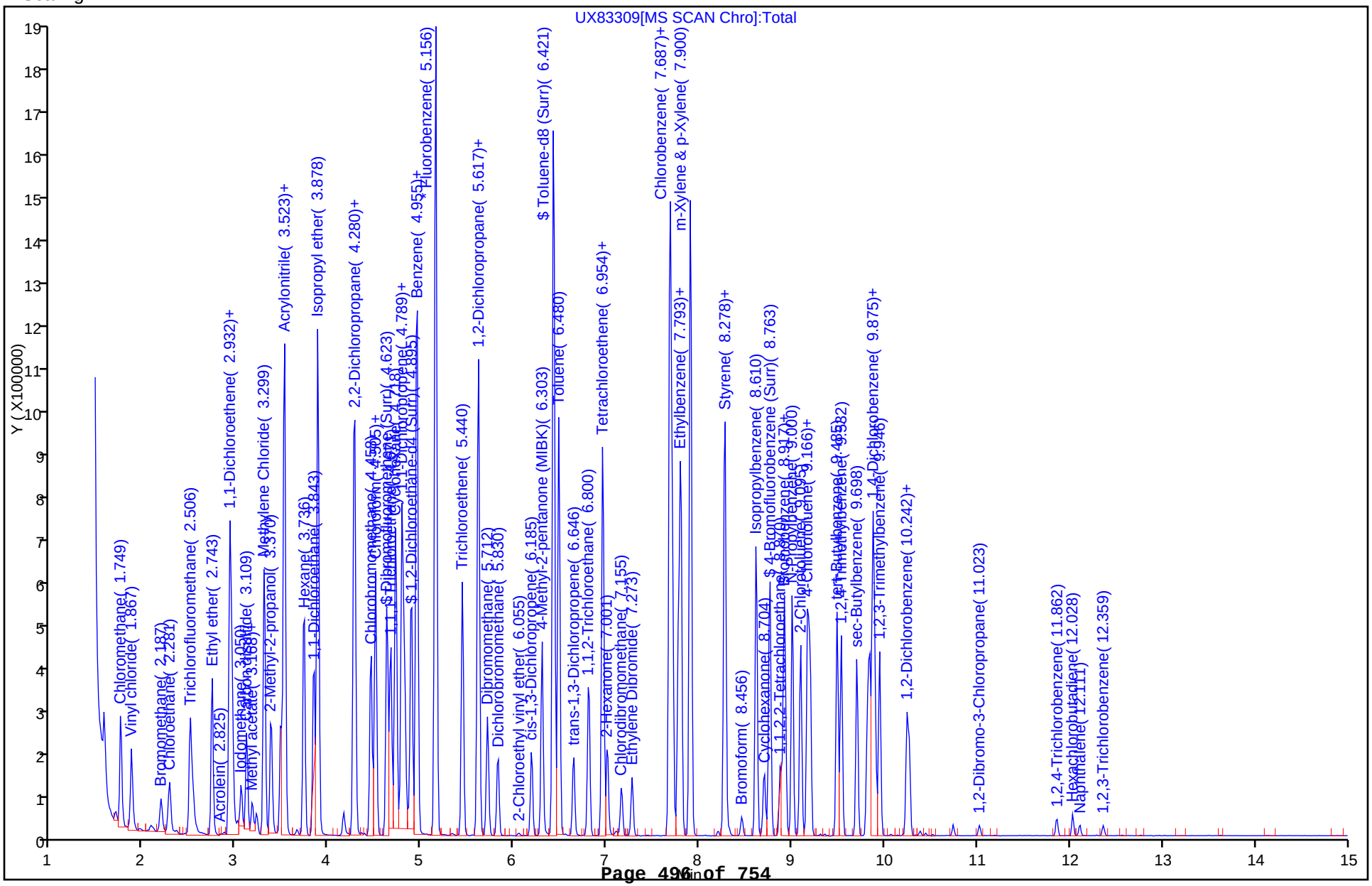
Report Date: 09-Feb-2013 03:24:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A3UX8\20130207-17213.b\UX83309.D

| | | | |
|---|---|---|---|
| Injection Date: | 08-Feb-2013 05:59:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | SED-2 | Instrument ID: | A3UX8 |
| Lims Batch ID: | 74675 | Lims Sample ID: | 22 |
| Operator ID: | 402279 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 MSD | Lab Sample ID: 240-20760-12 MSD

Matrix: Water | Lab File ID: UXR6339.D

Analysis Method: 8260B | Date Collected: 02/06/2013 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 21:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 18.7 | | 10 | 1.1 |
| 71-43-2 | Benzene | 9.96 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 9.58 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 8.57 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 9.70 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 17.1 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 9.80 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 10.6 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.52 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 9.92 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.52 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 10.1 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 9.86 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.62 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 10.7 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 9.72 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 8.24 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 8.52 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 9.65 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 17.2 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.93 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 17.3 | | 10 | 0.32 |
| 100-42-5 | Styrene | 10.0 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.16 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 10.6 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 9.38 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 10.2 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 10.5 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 29.5 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.67 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 9.66 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 9.86 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7.70 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.40 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 8.84 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 11.1 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 MSD | Lab Sample ID: 240-20760-12 MSD

Matrix: Water | Lab File ID: UXR6339.D

Analysis Method: 8260B | Date Collected: 02/06/2013 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/12/2013 21:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75030 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 10.4 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 9.78 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 8.54 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 14.1 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 7.33 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 9.33 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 9.43 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 9.19 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 16.6 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 9.00 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 9.39 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 91 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 97 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 95 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6339.D
Lims ID: 240-20760-F-12 MSD
Client ID: OW-5
Inject. Date: 12-Feb-2013 21:52:30
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0017290-022
Misc. Info.:
Operator: 1644
Instrument ID: A3UX17
Purge Vol: 5.000 mL
ALS Bottle#: 21
Lims Batch ID: 75030
Lims Sample ID: 22
Detector: MS SCAN

Method: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\8260_17.m
Last Update: 13-Feb-2013 09:51:19
Calib Date: 30-Jan-2013 20:24:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCCHROM\ChromData\A3UX17\20130130-16957.b\UXR6101.D
Limit Group: MSV 8260B ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK034

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.763 | 5.763 | 0.0 | 99 | 1623639 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 8.479 | 8.467 | 0.012 | 81 | 1270149 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.720 | 10.720 | 0.0 | 80 | 785483 | 10.0 | |
| $ 6 Dibromofluoromethane (Surr) | 113 | 5.182 | 5.182 | 0.0 | 59 | 310320 | 8.44 | |
| $ 7 1,2-Dichloroethane-d4 (Surr) | 65 | 5.479 | 5.479 | 0.0 | 0 | 382492 | 8.12 | |
| $ 8 Toluene-d8 (Surr) | 98 | 7.139 | 7.139 | 0.0 | 92 | 1371951 | 8.32 | |
| $ 9 4-Bromofluorobenzene (Surr) | 95 | 9.582 | 9.582 | 0.0 | 90 | 516805 | 8.60 | |
| 14 Dichlorodifluoromethane | 85 | 1.637 | 1.636 | 0.001 | 87 | 255592 | 8.84 | |
| 15 Chloromethane | 50 | 1.814 | 1.814 | 0.0 | 89 | 469607 | 10.1 | |
| 17 Vinyl chloride | 62 | 1.945 | 1.945 | 0.0 | 83 | 499302 | 10.5 | |
| 18 Bromomethane | 94 | 2.301 | 2.300 | 0.001 | 90 | 187486 | 9.70 | |
| 19 Chloroethane | 64 | 2.407 | 2.407 | 0.0 | 94 | 297472 | 9.92 | |
| 21 Trichlorofluoromethane | 101 | 2.668 | 2.668 | 0.0 | 86 | 483800 | 16.6 | |
| 22 Ethyl ether | 59 | 2.941 | 2.953 | -0.012 | 89 | 363140 | 10.5 | |
| 24 Acrolein | 56 | 3.083 | 3.083 | 0.0 | 96 | 201078 | 36.7 | |
| 25 1,1-Dichloroethene | 96 | 3.178 | 3.166 | 0.012 | 90 | 401149 | 10.7 | |
| 26 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 3.190 | 3.178 | 0.012 | 82 | 317616 | 14.1 | |
| 27 Acetone | 43 | 3.237 | 3.237 | 0.0 | 97 | 204141 | 18.7 | |
| 28 Iodomethane | 142 | 3.320 | 3.320 | 0.0 | 97 | 618702 | 10.3 | |
| 29 Carbon disulfide | 76 | 3.380 | 3.380 | 0.0 | 99 | 1192783 | 9.80 | |
| 30 Acetonitrile | 41 | 3.510 | 3.510 | 0.0 | 97 | 134022 | 27.1 | |
| 32 Methyl acetate | 43 | 3.534 | 3.534 | 0.0 | 97 | 236165 | 7.95 | |
| 33 Methylene Chloride | 84 | 3.641 | 3.629 | 0.012 | 86 | 458708 | 9.93 | |
| 34 2-Methyl-2-propanol | 59 | 3.736 | 3.735 | 0.001 | 94 | 399761 | 159.3 | |
| 36 Acrylonitrile | 53 | 3.866 | 3.866 | 0.0 | 97 | 430515 | 29.6 | |
| 35 Methyl tert-butyl ether | 73 | 3.878 | 3.878 | 0.0 | 90 | 988139 | 8.54 | |
| 37 trans-1,2-Dichloroethene | 96 | 3.878 | 3.878 | 0.0 | 94 | 446399 | 10.4 | |
| 38 Hexane | 86 | 4.115 | 4.115 | 0.0 | 90 | 104810 | 9.47 | |
| 39 1,1-Dichloroethane | 63 | 4.269 | 4.257 | 0.012 | 85 | 740817 | 9.86 | |
| 40 Vinyl acetate | 86 | 4.305 | 4.293 | 0.012 | 86 | 62047 | 9.10 | |
| 41 Isopropyl ether | 87 | 4.305 | 4.305 | 0.0 | 80 | 373204 | 9.46 | |
| 44 2,2-Dichloropropane | 77 | 4.767 | 4.767 | 0.0 | 53 | 321754 | 9.28 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 45 cis-1,2-Dichloroethene | 96 | 4.779 | 4.767 | 0.012 | 69 | 520251 | 11.1 | |
| 46 2-Butanone (MEK) | 43 | 4.779 | 4.779 | 0.0 | 93 | 283458 | 17.1 | |
| 50 Chlorobromomethane | 128 | 4.981 | 4.980 | 0.001 | 94 | 214137 | 9.70 | |
| 51 Tetrahydrofuran | 42 | 5.028 | 5.016 | 0.012 | 93 | 89058 | 8.22 | |
| 52 Chloroform | 83 | 5.040 | 5.040 | 0.0 | 80 | 690872 | 9.52 | |
| 53 1,1,1-Trichloroethane | 97 | 5.206 | 5.206 | 0.0 | 91 | 497946 | 9.67 | |
| 54 Cyclohexane | 56 | 5.253 | 5.253 | 0.0 | 88 | 698529 | 9.86 | |
| 56 1,1-Dichloropropene | 75 | 5.348 | 5.348 | 0.0 | 94 | 564220 | 9.93 | |
| 55 Carbon tetrachloride | 117 | 5.348 | 5.348 | 0.0 | 66 | 437521 | 10.6 | |
| 57 Isobutyl alcohol | 41 | 5.419 | 5.419 | 0.0 | 90 | 495202 | 523.4 | |
| 58 Benzene | 78 | 5.526 | 5.526 | 0.0 | 95 | 1829461 | 9.96 | |
| 59 1,2-Dichloroethane | 62 | 5.550 | 5.550 | 0.0 | 89 | 539684 | 9.62 | |
| 63 Trichloroethene | 130 | 6.083 | 6.071 | 0.012 | 94 | 468645 | 10.2 | |
| 65 Methylcyclohexane | 83 | 6.238 | 6.237 | 0.001 | 89 | 692434 | 9.39 | |
| 66 1,2-Dichloropropane | 63 | 6.285 | 6.285 | 0.0 | 92 | 399025 | 9.72 | |
| 69 Dibromomethane | 93 | 6.392 | 6.392 | 0.0 | 90 | 229700 | 9.85 | |
| 70 Dichlorobromomethane | 83 | 6.510 | 6.510 | 0.0 | 94 | 435363 | 9.58 | |
| 72 2-Chloroethyl vinyl ether | 63 | | 6.759 | | | | | |
| 73 cis-1,3-Dichloropropene | 75 | 6.902 | 6.902 | 0.0 | 91 | 457152 | 8.24 | |
| 74 4-Methyl-2-pentanone (MIBK) | 43 | 7.032 | 7.032 | 0.0 | 95 | 536190 | 17.3 | |
| 75 Toluene | 91 | 7.210 | 7.198 | 0.012 | 98 | 1842847 | 9.38 | |
| 76 trans-1,3-Dichloropropene | 75 | 7.400 | 7.400 | 0.0 | 89 | 393487 | 8.52 | |
| 78 1,1,2-Trichloroethane | 97 | 7.566 | 7.566 | 0.0 | 86 | 340550 | 9.66 | |
| 79 Tetrachloroethene | 164 | 7.696 | 7.696 | 0.0 | 93 | 399903 | 10.6 | |
| 81 1,3-Dichloropropane | 76 | 7.720 | 7.720 | 0.0 | 91 | 618939 | 9.59 | |
| 82 2-Hexanone | 43 | 7.779 | 7.779 | 0.0 | 93 | 353761 | 17.2 | |
| 84 Chlorodibromomethane | 129 | 7.933 | 7.933 | 0.0 | 88 | 279458 | 9.00 | |
| 85 Ethylene Dibromide | 107 | 8.052 | 8.052 | 0.0 | 97 | 316883 | 9.40 | |
| 87 Chlorobenzene | 112 | 8.503 | 8.502 | 0.001 | 97 | 1205300 | 9.52 | |
| 88 1,1,1,2-Tetrachloroethane | 131 | 8.574 | 8.574 | 0.0 | 89 | 353798 | 9.36 | |
| 89 Ethylbenzene | 106 | 8.586 | 8.585 | 0.001 | 98 | 636364 | 9.65 | |
| 90 m-Xylene & p-Xylene | 106 | 8.692 | 8.692 | 0.0 | 99 | 1654709 | 19.7 | |
| 91 o-Xylene | 106 | 9.084 | 9.084 | 0.0 | 92 | 783680 | 9.78 | |
| 92 Styrene | 104 | 9.096 | 9.095 | 0.001 | 94 | 1287311 | 10.0 | |
| 93 Bromoform | 173 | 9.285 | 9.285 | 0.0 | 97 | 157300 | 8.57 | |
| 95 Isopropylbenzene | 105 | 9.428 | 9.427 | 0.001 | 95 | 2001296 | 9.78 | |
| 96 Cyclohexanone | 55 | 9.546 | 9.546 | 0.0 | 90 | 170854 | 37.1 | |
| 97 1,1,2,2-Tetrachloroethane | 83 | 9.724 | 9.724 | 0.0 | 83 | 442096 | 9.16 | |
| 98 Bromobenzene | 156 | 9.748 | 9.748 | 0.0 | 75 | 506392 | 9.04 | |
| 99 trans-1,4-Dichloro-2-butene | 53 | 9.771 | 9.771 | 0.0 | 71 | 187605 | 16.2 | |
| 100 1,2,3-Trichloropropane | 110 | 9.771 | 9.771 | 0.0 | 72 | 146441 | 9.33 | |
| 101 N-Propylbenzene | 120 | 9.819 | 9.819 | 0.0 | 96 | 594173 | 9.94 | |
| 102 2-Chlorotoluene | 126 | 9.926 | 9.925 | 0.001 | 97 | 503484 | 9.40 | |
| 103 1,3,5-Trimethylbenzene | 105 | 9.997 | 9.997 | 0.0 | 81 | 1747808 | 9.76 | |
| 104 4-Chlorotoluene | 126 | 10.032 | 10.032 | 0.0 | 96 | 537296 | 9.32 | |
| 105 tert-Butylbenzene | 119 | 10.317 | 10.317 | 0.0 | 90 | 1493536 | 9.38 | |
| 106 1,2,4-Trimethylbenzene | 105 | 10.364 | 10.364 | 0.0 | 85 | 1810205 | 9.86 | |
| 107 sec-Butylbenzene | 105 | 10.530 | 10.530 | 0.0 | 94 | 2141482 | 9.42 | |
| 108 1,3-Dichlorobenzene | 146 | 10.661 | 10.661 | 0.0 | 97 | 1063895 | 9.43 | |
| 109 4-Isopropyltoluene | 119 | 10.673 | 10.673 | 0.0 | 95 | 1901891 | 10.0 | |
| 110 1,4-Dichlorobenzene | 146 | 10.744 | 10.744 | 0.0 | 94 | 1071893 | 9.19 | |
| 111 1,2,3-Trimethylbenzene | 105 | 10.791 | 10.791 | 0.0 | 87 | 1816939 | 9.80 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 n-Butylbenzene | 91 | 11.076 | 11.076 | 0.0 | 96 | 1603345 | 9.19 | |
| 113 1,2-Dichlorobenzene | 146 | 11.123 | 11.123 | 0.0 | 97 | 997809 | 9.33 | |
| 114 1,2-Dibromo-3-Chloropropane | 157 | 11.906 | 11.906 | 0.0 | 74 | 53857 | 7.70 | |
| 116 1,2,4-Trichlorobenzene | 180 | 12.724 | 12.724 | 0.0 | 92 | 558775 | 7.33 | |
| 117 Hexachlorobutadiene | 225 | 12.890 | 12.890 | 0.0 | 93 | 254859 | 7.92 | |
| 118 Naphthalene | 128 | 12.997 | 12.997 | 0.0 | 100 | 1160157 | 7.10 | |
| 119 1,2,3-Trichlorobenzene | 180 | 13.258 | 13.258 | 0.0 | 99 | 523297 | 8.26 | |
| S 121 Trihalomethanes, Total | 1 | | | | 0 | | 36.7 | |
| S 122 1,2-Dichloroethene, Total | 96 | | | | 0 | | 21.5 | |
| S 124 Xylenes, Total | 106 | | | | 0 | | 29.5 | |

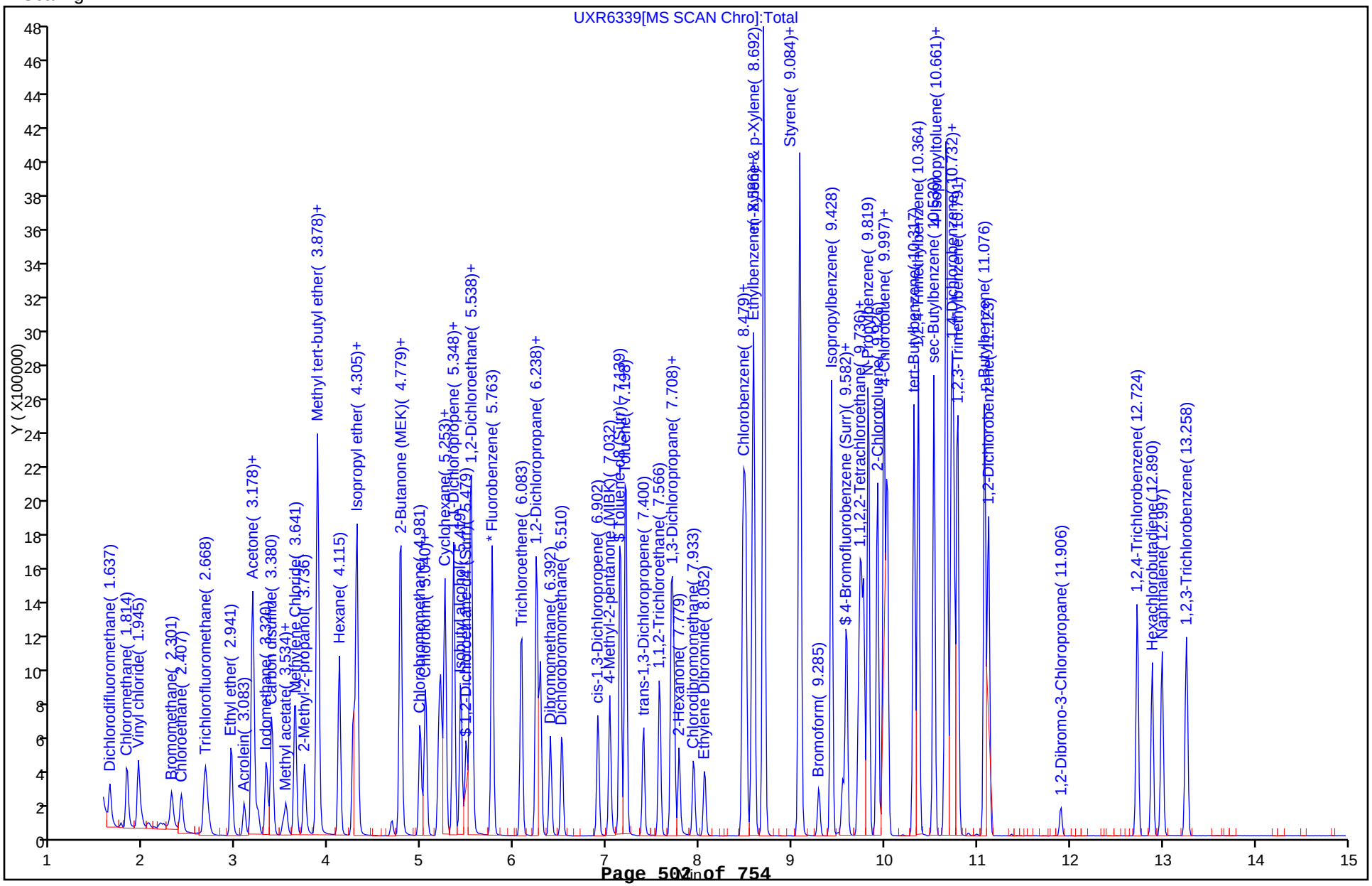
Report Date: 13-Feb-2013 09:51:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCCHROM\ChromData\A3UX17\20130212-17290.b\UXR6339.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 21:52:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-5 | Instrument ID: | A3UX17 |
| Lims Batch ID: | 75030 | Lims Sample ID: | 22 |
| Operator ID: | 1644 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: A3UX17 Start Date: 02/06/2013 09:22

Analysis Batch Number: 74426 End Date: 02/06/2013 17:21

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-74426/1 | | 02/06/2013 09:22 | 1 | BFB298.D | DB-624 0.18(mm) |
| CCVIS 240-74426/2 | | 02/06/2013 09:47 | 1 | | DB-624 0.18(mm) |
| CCV 240-74426/3 | | 02/06/2013 10:09 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 10:32 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 10:54 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 11:23 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 11:45 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 12:08 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 12:30 | 1.667 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 12:52 | 5 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 13:15 | 5 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 13:38 | 714.29 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 14:00 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 14:23 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 14:45 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 15:07 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 15:30 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 15:52 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 16:14 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 16:37 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 16:59 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/06/2013 17:21 | 1 | | DB-624 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: A3UX17 Start Date: 01/30/2013 15:53

Analysis Batch Number: 73638 End Date: 01/30/2013 20:47

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-73638/1 | | 01/30/2013 15:53 | 1 | BFB291.D | DB-624 0.18(mm) |
| STD8260 240-73638/2 IC | | 01/30/2013 16:19 | 1 | UXR6090.D | DB-624 0.18(mm) |
| STD8260 240-73638/3 IC | | 01/30/2013 16:41 | 1 | UXR6091.D | DB-624 0.18(mm) |
| STD8260 240-73638/4 ICIS | | 01/30/2013 17:03 | 1 | UXR6092.D | DB-624 0.18(mm) |
| STD8260 240-73638/5 IC | | 01/30/2013 17:26 | 1 | UXR6093.D | DB-624 0.18(mm) |
| STD8260 240-73638/6 IC | | 01/30/2013 17:48 | 1 | UXR6094.D | DB-624 0.18(mm) |
| STD8260 240-73638/7 IC | | 01/30/2013 18:11 | 1 | UXR6095.D | DB-624 0.18(mm) |
| STDA9 240-73638/8 IC | | 01/30/2013 18:33 | 1 | UXR6096.D | DB-624 0.18(mm) |
| STDA9 240-73638/9 IC | | 01/30/2013 18:55 | 1 | UXR6097.D | DB-624 0.18(mm) |
| STDA9 240-73638/10 IC | | 01/30/2013 19:17 | 1 | UXR6098.D | DB-624 0.18(mm) |
| STDA9 240-73638/11 IC | | 01/30/2013 19:40 | 1 | UXR6099.D | DB-624 0.18(mm) |
| STDA9 240-73638/12 IC | | 01/30/2013 20:02 | 1 | UXR6100.D | DB-624 0.18(mm) |
| STDA9 240-73638/13 IC | | 01/30/2013 20:24 | 1 | UXR6101.D | DB-624 0.18(mm) |
| ICV 240-73638/14 | | 01/30/2013 20:47 | 1 | UXR6102.D | DB-624 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: A3UX17 Start Date: 02/11/2013 12:37

Analysis Batch Number: 74898 End Date: 02/11/2013 22:46

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-74898/1 | | 02/11/2013 12:37 | 1 | BFB301.D | DB-624 0.18(mm) |
| CCVIS 240-74898/2 | | 02/11/2013 13:20 | 1 | UXR6293.D | DB-624 0.18(mm) |
| CCV 240-74898/3 | | 02/11/2013 13:43 | 1 | UXR6294.D | DB-624 0.18(mm) |
| LCS 240-74898/4 | | 02/11/2013 14:05 | 1 | UXR6295.D | DB-624 0.18(mm) |
| MB 240-74898/5 | | 02/11/2013 14:27 | 1 | UXR6296.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 14:50 | 1 | | DB-624 0.18(mm) |
| 240-20760-7 | TRIP BLANK1 | 02/11/2013 15:18 | 1 | UXR6298.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 15:41 | 166.67 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 16:03 | 28.57 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 16:26 | 333.33 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 16:48 | 250 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 17:11 | 10 | | DB-624 0.18(mm) |
| 240-20760-8 | OW-2 | 02/11/2013 17:33 | 10 | UXR6304.D | DB-624 0.18(mm) |
| 240-20760-9 | FIELD BLANK1 | 02/11/2013 17:56 | 1 | UXR6305.D | DB-624 0.18(mm) |
| 240-20760-10 | OW-6 | 02/11/2013 18:18 | 1.25 | UXR6306.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 19:02 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 19:25 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 19:47 | 1.67 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 20:10 | 5.71 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 20:32 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 20:54 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 21:17 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 21:39 | 1 | | DB-624 0.18(mm) |
| 240-20760-1 | SW-2 | 02/11/2013 22:01 | 1 | UXR6316.D | DB-624 0.18(mm) |
| 240-20760-1 MS | SW-2 MS | 02/11/2013 22:24 | 1 | UXR6317.D | DB-624 0.18(mm) |
| 240-20760-1 MSD | SW-2 MSD | 02/11/2013 22:46 | 1 | UXR6318.D | DB-624 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: A3UX17 Start Date: 02/12/2013 13:59

Analysis Batch Number: 75030 End Date: 02/13/2013 00:04

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-75030/1 | | 02/12/2013 13:59 | 1 | BFB302.D | DB-624 0.18(mm) |
| CCVIS 240-75030/2 | | 02/12/2013 14:25 | 1 | UXR6319.D | DB-624 0.18(mm) |
| CCV 240-75030/3 | | 02/12/2013 14:48 | 1 | UXR6320.D | DB-624 0.18(mm) |
| LCS 240-75030/4 | | 02/12/2013 15:10 | 1 | UXR6321.D | DB-624 0.18(mm) |
| MB 240-75030/5 | | 02/12/2013 15:33 | 1 | UXR6322.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 15:56 | 7.69 | | DB-624 0.18(mm) |
| 240-20760-2 | SW-1 | 02/12/2013 16:18 | 1 | UXR6324.D | DB-624 0.18(mm) |
| 240-20760-3 | SW-DUP | 02/12/2013 16:40 | 1 | UXR6325.D | DB-624 0.18(mm) |
| 240-20760-11 | OW-8 | 02/12/2013 17:03 | 1 | UXR6326.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 17:25 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 17:48 | 8 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 18:10 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 18:33 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 18:55 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 19:17 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 19:40 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 20:02 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 20:24 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 20:47 | 1 | | DB-624 0.18(mm) |
| 240-20760-12 | OW-5 | 02/12/2013 21:08 | 1 | UXR6337.D | DB-624 0.18(mm) |
| 240-20760-12 MS | OW-5 MS | 02/12/2013 21:30 | 1 | UXR6338.D | DB-624 0.18(mm) |
| 240-20760-12 MSD | OW-5 MSD | 02/12/2013 21:52 | 1 | UXR6339.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 22:14 | 16.67 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 22:36 | 2.86 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 22:58 | 33.33 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 23:20 | 25 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/12/2013 23:42 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/13/2013 00:04 | 1 | | DB-624 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: A3UX8 Start Date: 02/06/2013 18:59

Analysis Batch Number: 74529 End Date: 02/07/2013 05:46

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-74529/1 | | 02/06/2013 18:59 | 1 | BFB8188.D | DB-624 0.18(mm) |
| STD8260 240-74529/3 IC | | 02/06/2013 19:45 | 1 | UX83258.D | DB-624 0.18(mm) |
| STD8260 240-74529/4 IC | | 02/06/2013 20:06 | 1 | UX83259.D | DB-624 0.18(mm) |
| STD8260 240-74529/5 IC | | 02/06/2013 20:28 | 1 | UX83260.D | DB-624 0.18(mm) |
| ICIS 240-74529/6 | | 02/06/2013 20:49 | 1 | UX83261.D | DB-624 0.18(mm) |
| STD8260 240-74529/7 IC | | 02/06/2013 21:10 | 1 | UX83262.D | DB-624 0.18(mm) |
| STD8260 240-74529/8 IC | | 02/06/2013 21:31 | 1 | UX83263.D | DB-624 0.18(mm) |
| STD8260 240-74529/9 IC | | 02/06/2013 21:53 | 1 | UX83264.D | DB-624 0.18(mm) |
| STD8260 240-74529/10 IC | | 02/06/2013 22:14 | 1 | UX83265.D | DB-624 0.18(mm) |
| STDA9 240-74529/11 IC | | 02/06/2013 22:35 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74529/12 IC | | 02/06/2013 22:56 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74529/13 IC | | 02/06/2013 23:18 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74529/14 IC | | 02/06/2013 23:39 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74529/15 IC | | 02/07/2013 00:00 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74529/16 IC | | 02/07/2013 00:21 | 1 | | DB-624 0.18(mm) |
| ICV 240-74529/18 | | 02/07/2013 01:04 | 1 | UX83273.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 01:25 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 01:46 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 02:08 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 02:29 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 02:50 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 03:11 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 03:33 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/07/2013 05:46 | 1 | | DB-624 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: A3UX8 Start Date: 02/07/2013 22:53

Analysis Batch Number: 74675 End Date: 02/08/2013 10:34

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-74675/2 | | 02/07/2013 22:53 | 1 | BFB8190.D | DB-624 0.18(mm) |
| CCVIS 240-74675/4 | | 02/07/2013 23:35 | 1 | UX83291.D | DB-624 0.18(mm) |
| CCV 240-74675/5 | | 02/07/2013 23:57 | 1 | UX83292.D | DB-624 0.18(mm) |
| LCS 240-74675/6 | | 02/08/2013 00:18 | 1 | UX83293.D | DB-624 0.18(mm) |
| MB 240-74675/7 | | 02/08/2013 00:39 | 1 | UX83294.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 01:01 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 01:22 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 01:43 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 02:04 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 02:26 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 02:47 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 03:08 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 03:30 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 03:51 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 04:12 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 04:33 | 1 | | DB-624 0.18(mm) |
| 240-20760-4 | SED-2 | 02/08/2013 04:55 | 1 | UX83306.D | DB-624 0.18(mm) |
| 240-20760-4 MS | SED-2 MS | 02/08/2013 05:37 | 1 | UX83308.D | DB-624 0.18(mm) |
| 240-20760-4 MSD | SED-2 MSD | 02/08/2013 05:59 | 1 | UX83309.D | DB-624 0.18(mm) |
| 240-20760-5 | SED-1 | 02/08/2013 06:20 | 1 | UX83310.D | DB-624 0.18(mm) |
| 240-20760-6 | SED-DUP | 02/08/2013 06:41 | 1 | UX83311.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 07:02 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 07:23 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 07:45 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 08:06 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 08:27 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 08:48 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 09:09 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 09:31 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/08/2013 10:34 | 1 | | DB-624 0.18(mm) |

# GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 74679  Batch Start Date: 02/08/13 00:56  Batch Analyst: Lata, Todd

Batch Method: 5030B  Batch End Date: 02/08/13 01:56

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 240-20760-C-4 | SED-2 | 5030B, 8260B | T | 5.33 g | 5 mL | | | | |
| 240-20760-C-4 MS | SED-2 | 5030B, 8260B | T | 5.46 g | 5 mL | | | | |
| 240-20760-C-4 MSD | SED-2 | 5030B, 8260B | T | 5.16 g | 5 mL | | | | |
| 240-20760-B-5 | SED-1 | 5030B, 8260B | T | 5.07 g | 5 mL | | | | |
| 240-20760-B-6 | SED-DUP | 5030B, 8260B | T | 5.43 g | 5 mL | | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# Method RSK-175

## Dissolved Gases (GC) by Method RSK_175

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ID:

| Client Sample ID | Lab Sample ID | TFE1 # |
|---|---|---|
| OW-2 | 240-20760-8 | 106 |
| OW-6 | 240-20760-10 | 107 |
| OW-8 | 240-20760-11 | 106 |
| OW-5 | 240-20760-12 | 114 |
| | MB 240-75041/3 | 113 |
| | LCS 240-75041/4 | 110 |
| OW-5 MS | 240-20760-12 MS | 106 |
| OW-5 MSD | 240-20760-12 MSD | 108 |

| | QC LIMITS |
|---|---|
| TFE = 1,1,1-Trifluoroethane | 40-122 |

# Column to be used to flag recovery values

FORM II RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021204.D

Lab ID: LCS 240-75041/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methane | 116 | 108 | 93 | 79-113 | |
| Ethane | 218 | 220 | 101 | 77-127 | |
| Ethylene | 203 | 209 | 103 | 64-130 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021209.D

Lab ID: 240-20760-12 MS Client ID: OW-5 MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methane | 116 | 9.6 | 109 | 85 | 13-173 | |
| Ethane | 218 | ND | 202 | 93 | 59-133 | |
| Ethylene | 203 | ND | 193 | 95 | 51-129 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021210.D

Lab ID: 240-20760-12 MSD Client ID: OW-5 MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methane | 116 | 118 | 94 | 9 | 42 | 13-173 | |
| Ethane | 218 | 216 | 99 | 7 | 34 | 59-133 | |
| Ethylene | 203 | 204 | 101 | 6 | 34 | 51-129 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: MB 240-75041/3

Matrix: Water Date Extracted:

Lab File ID:(1) Z0021203.D Lab File ID:(2)

Date Analyzed:(1) 02/12/2013 14:11 Date Analyzed:(2)

Instrument ID:(1) ZPID Instrument ID:(2)

GC Column:(1) ID: GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 240-75041/4 | 02/12/2013 14:23 | |
| OW-5 | 240-20760-12 | 02/12/2013 16:58 | |
| OW-5 MS | 240-20760-12 MS | 02/12/2013 17:10 | |
| OW-5 MSD | 240-20760-12 MSD | 02/12/2013 17:22 | |
| OW-2 | 240-20760-8 | 02/12/2013 17:46 | |
| OW-6 | 240-20760-10 | 02/12/2013 17:59 | |
| OW-8 | 240-20760-11 | 02/12/2013 18:11 | |

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Sample No.: CCVRT 240-75041/2  Date Analyzed: 02/12/2013 13:59

Instrument ID: ZPID  GC Column:  ID: ()

Lab File ID (Standard): Z0021202.D  Heated Purge: (Y/N) N

Calibration ID: 13357

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | TFE | | |
|---|---|---|---|---|---|---|
| | | | | RT # | | |
| CONTINUING CALIBRATION SURROGATE | | | | 2.70 | | |
| UPPER LIMIT | | | | 2.75 | | |
| LOWER LIMIT | | | | 2.65 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 240-75041/2 | | 02/12/2013 13:59 | Z0021202.D | 2.70 | | |
| MB 240-75041/3 | | 02/12/2013 14:11 | Z0021203.D | 2.70 | | |
| LCS 240-75041/4 | | 02/12/2013 14:23 | Z0021204.D | 2.70 | | |
| 240-20760-12 | OW-5 | 02/12/2013 16:58 | Z0021208.D | 2.70 | | |
| 240-20760-12 MS | OW-5 MS | 02/12/2013 17:10 | Z0021209.D | 2.71 | | |
| 240-20760-12 MSD | OW-5 MSD | 02/12/2013 17:22 | Z0021210.D | 2.70 | | |
| CCV 240-75041/11 | | 02/12/2013 17:34 | Z0021211.D | 2.70 | | |
| 240-20760-8 | OW-2 | 02/12/2013 17:46 | Z0021212.D | 2.70 | | |
| 240-20760-10 | OW-6 | 02/12/2013 17:59 | Z0021213.D | 2.70 | | |
| 240-20760-11 | OW-8 | 02/12/2013 18:11 | Z0021214.D | 2.70 | | |

TFE = 1,1,1-Trifluoroethane

TFE RT Limit = ± 0.05 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII RSK-175

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-2 Lab Sample ID: 240-20760-8

Matrix: Water Lab File ID: Z0021212.D

Analysis Method: RSK-175 Date Collected: 02/06/2013 09:55

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 17:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 106 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021212.D | | |
| Lims ID: | 240-20760-F-8 | Client ID: | OW-2 |
| Inject. Date: | 12-Feb-2013 17:46:58 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-012 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 12 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| | Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|
| | 1 | Methane | | | | | |
| | 2 | 0.910 | 0.910 | 0.000 | 8932 | 0.0795 | |
| | 4 | Ethylene | | | | | |
| | 2 | | 1.406 | | | | |
| | 6 | Ethane | | | | | |
| | 2 | | 1.680 | | | | |
| $ | 7 | 1,1,1-Trifluoroethane | | | | | |
| | 2 | 2.703 | 2.703 | 0.000 | 106264231 | 2803.7 | |

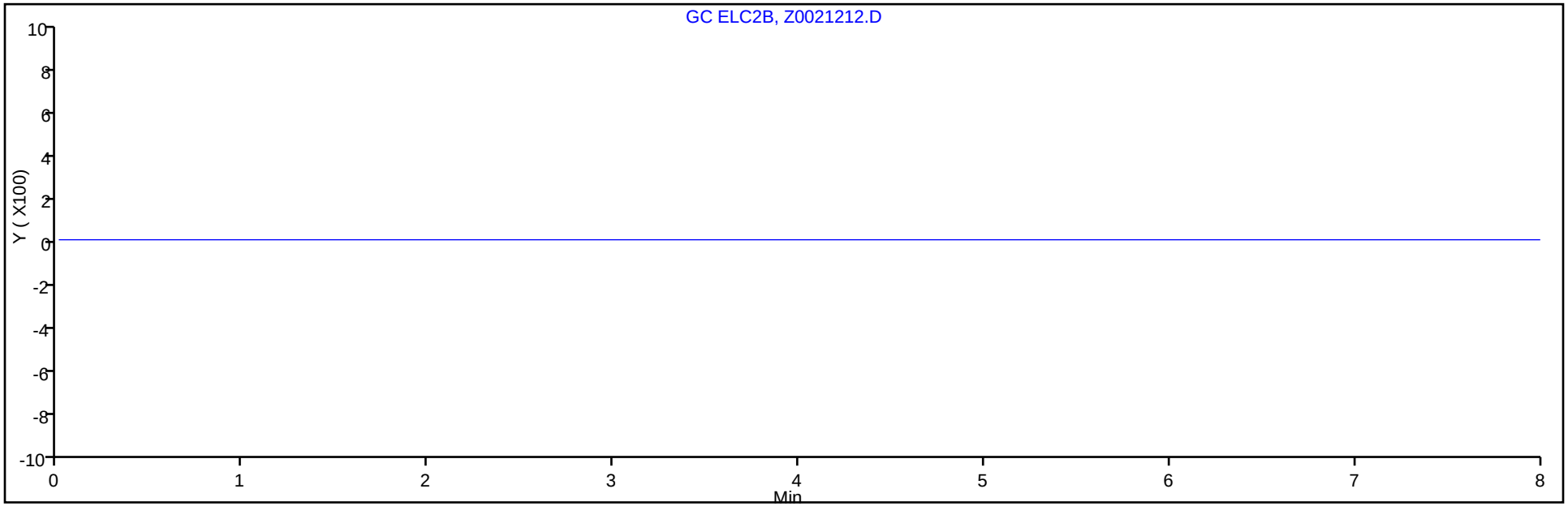
Report Date: 13-Feb-2013 09:07:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

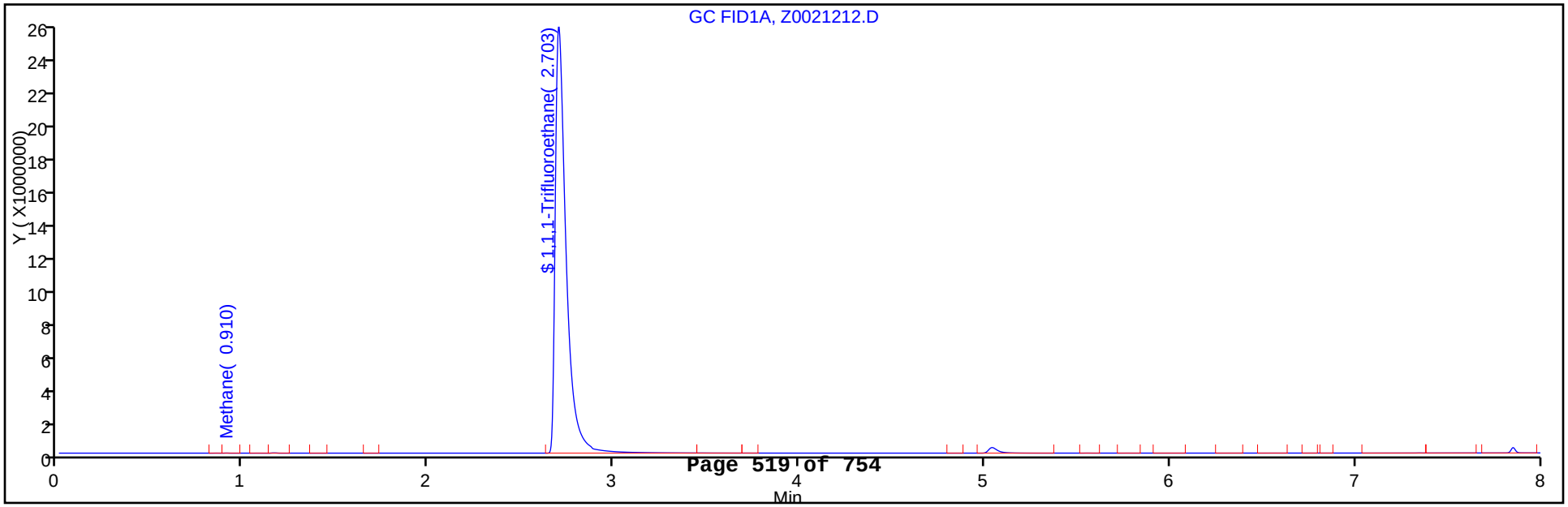
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021212.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 17:46:58 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-2 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 12 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-6 Lab Sample ID: 240-20760-10

Matrix: Water Lab File ID: Z0021213.D

Analysis Method: RSK-175 Date Collected: 02/06/2013 11:35

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 17:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 107 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021213.D | | |
| Lims ID: | 240-20760-F-10 | Client ID: | OW-6 |
| Inject. Date: | 12-Feb-2013 17:59:11 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-013 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 13 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.910 | 0.000 | 19089 | 0.1698 | |
| 4 Ethylene | | | | | | |
| 2 | | 1.406 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 107090925 | 2825.5 | |

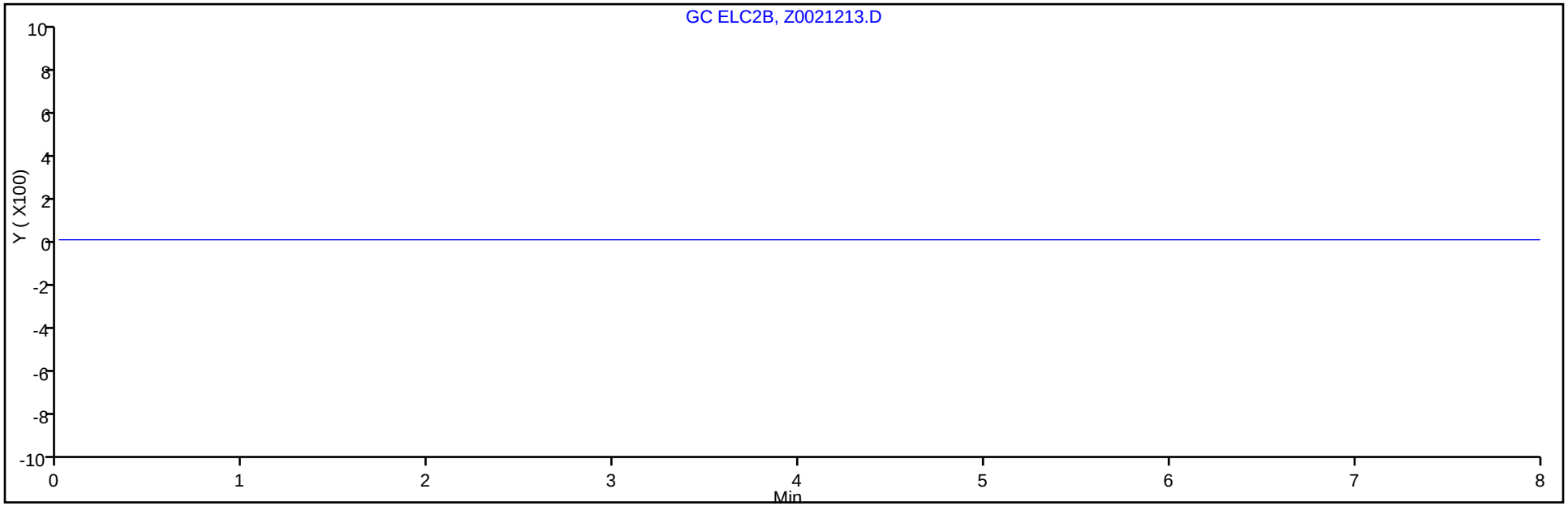
Report Date: 13-Feb-2013 09:07:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

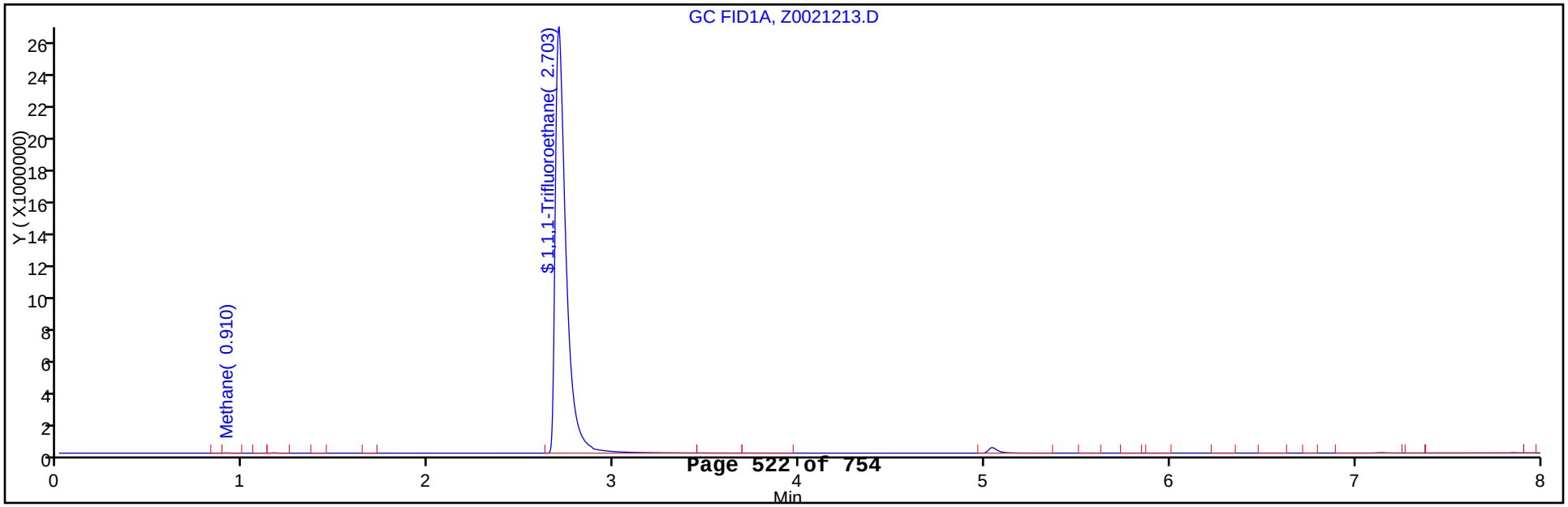
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021213.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 17:59:11 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-6 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 13 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-8 Lab Sample ID: 240-20760-11

Matrix: Water Lab File ID: Z0021214.D

Analysis Method: RSK-175 Date Collected: 02/06/2013 13:35

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 18:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 2.4 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 106 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021214.D | | |
| Lims ID: | 240-20760-F-11 | Client ID: | OW-8 |
| Inject. Date: | 12-Feb-2013 18:11:25 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-014 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 14 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.908 | 0.910 | -0.002 | 273104 | 2.43 | |
| 4 Ethylene | | | | | | |
| 2 | | 1.406 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.702 | 2.703 | -0.001 | 106058231 | 2798.2 | |

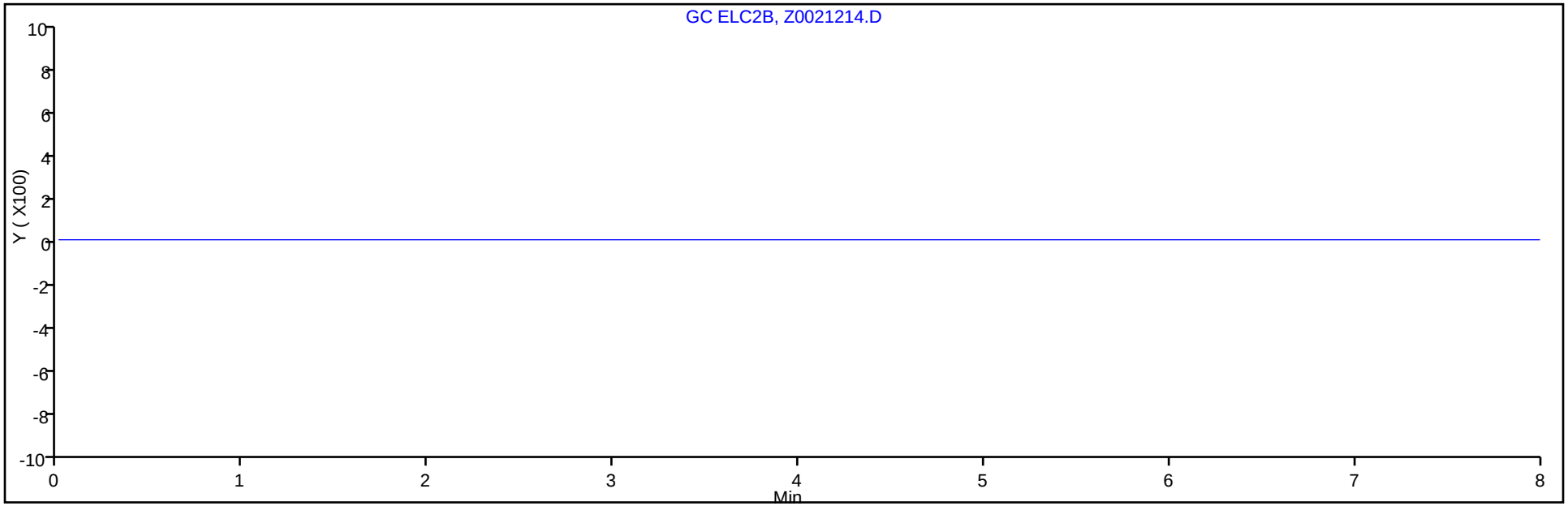
Report Date: 13-Feb-2013 09:07:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

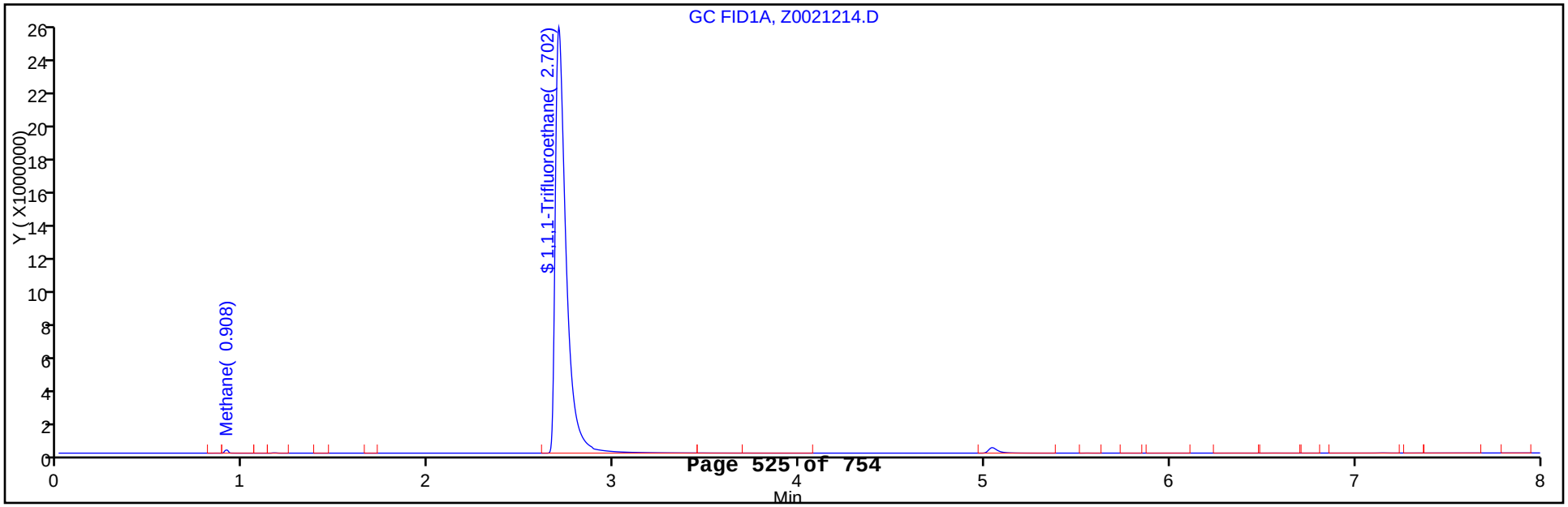
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021214.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 18:11:25 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-8 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 14 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5  Lab Sample ID: 240-20760-12

Matrix: Water  Lab File ID: Z0021208.D

Analysis Method: RSK-175  Date Collected: 02/06/2013 14:55

Sample wt/vol: 17(mL)  Date Analyzed: 02/12/2013 16:58

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column:  ID:

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 75041  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 9.6 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 114 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021208.D
Lims ID: 240-20760-P-12 Client ID: OW-5
Inject. Date: 12-Feb-2013 16:58:04 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017292-008
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 8
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.910 | 0.000 | 1083258 | 9.64 | |
| 4 Ethylene | | | | | | |
| 2 | | 1.406 | | | | |
| 5 Acetylene | | | | | | 1 |
| 2 | | 1.496 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 113632705 | 2998.1 | |
| 8 Propene | | | | | | 1 |
| 2 | | 3.576 | | | | |
| 9 Propane | | | | | | 1 |
| 2 | | 3.766 | | | | |
| 10 Propane, 2-methyl | | | | | | 1 |
| 2 | | 5.400 | | | | |
| 11 Butane | | | | | | |
| 2 | 5.770 | 5.753 | 0.017 | 2963 | 1.75 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| $ 3 Nitrous Oxide (Surr) | | | | | | 1 |
| 1 | | 6.804 | | | | |
| 12 Pentane | | | | | | |
| 2 | | 7.340 | | | | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

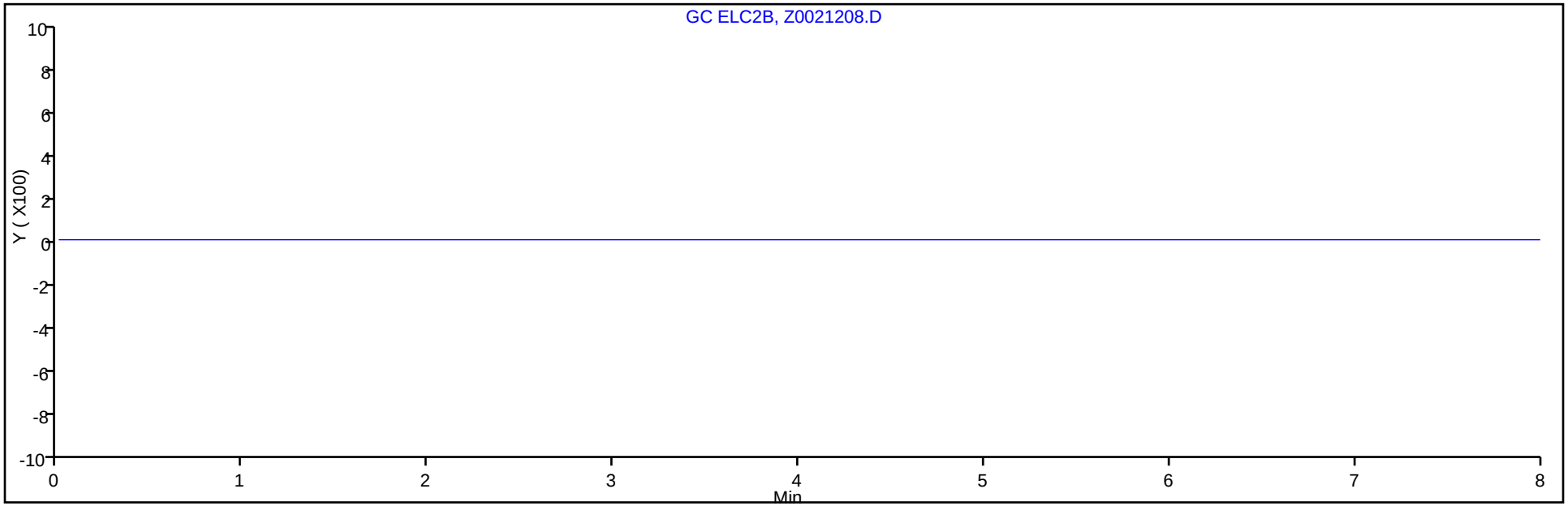
Report Date: 13-Feb-2013 09:07:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

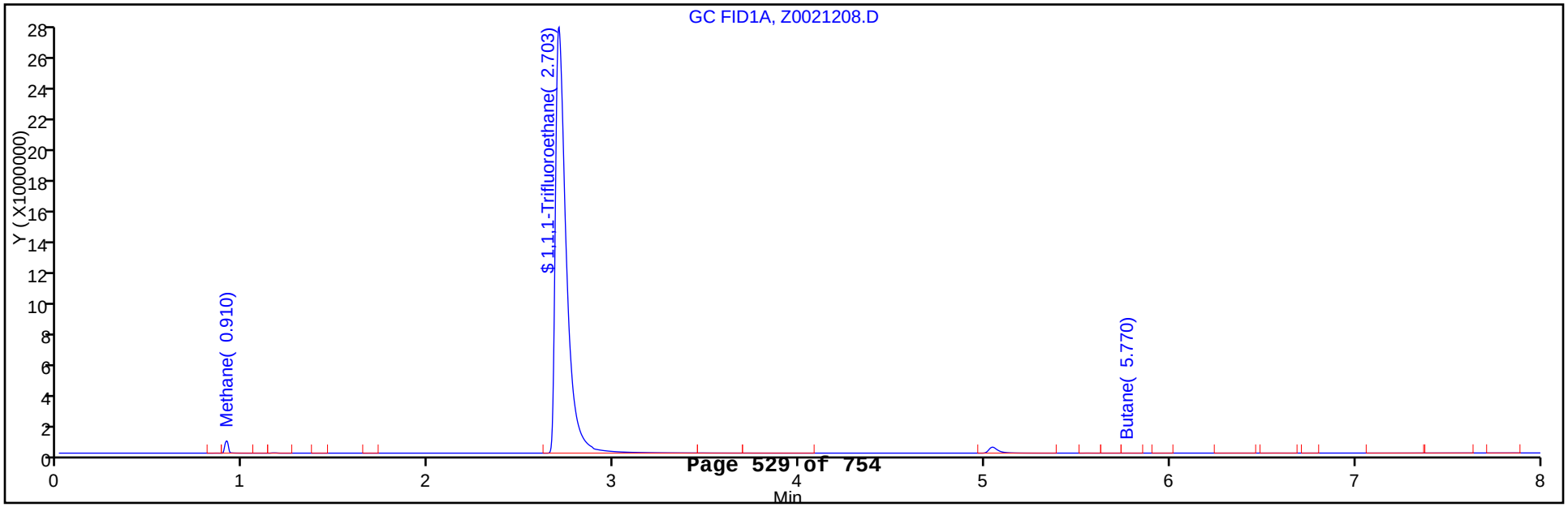
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021208.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 16:58:04 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-5 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 8 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 72560

SDG No.:

Instrument ID: ZPID GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2013 15:20 Calibration End Date: 01/18/2013 16:58 Calibration ID: 13357

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD1 240-72560/2 | Z0011802.D |
| Level 2 | STD2 240-72560/3 | Z0011803.D |
| Level 3 | STD3 240-72560/4 | Z0011804.D |
| Level 4 | STD4 240-72560/5 | Z0011805.D |
| Level 5 | STD5 240-72560/6 | Z0011806.D |
| Level 6 | STD6 240-72560/7 | Z0011807.D |
| Level 7 | STD8 240-72560/9 | Z0011809.D |
| Level 8 | STD7 240-72560/8 | Z0011808.D |
| Level 9 | STD9 240-72560/10 | Z0011810.D |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | RT WINDOW | AVG RT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methane | 0.912 | 0.912 | 0.910 | 0.909 | 0.909 | 0.909 | 0.909 | 0.910 | 0.909 | | 0.859 - 0.959 | 0.910 |
| Ethylene | 1.412 | 1.412 | 1.410 | 1.409 | 1.409 | 1.405 | 1.399 | 1.404 | 1.392 | | 1.355 - 1.455 | 1.406 |
| Acetylene | 1.502 | 1.498 | 1.500 | 1.499 | 1.499 | 1.495 | 1.492 | 1.494 | 1.489 | | 1.445 - 1.545 | 1.496 |
| Ethane | 1.688 | 1.685 | 1.687 | 1.685 | 1.682 | 1.682 | 1.669 | 1.677 | 1.655 | | 1.482 - 1.882 | 1.679 |
| Propene | 3.592 | 3.592 | 3.590 | 3.589 | 3.585 | 3.582 | 3.542 | 3.564 | 3.512 | | 3.532 - 3.632 | 3.572 |
| Propane | 3.785 | 3.785 | 3.784 | 3.782 | 3.779 | 3.772 | 3.735 | 3.757 | 3.705 | | 3.722 - 3.822 | 3.765 |
| Propane, 2-methyl | 5.425 | 5.422 | 5.420 | 5.419 | 5.415 | 5.409 | 5.359 | 5.387 | 5.319 | | 5.309 - 5.509 | 5.397 |
| 1,1,1-Trifluoroethane | 2.728 | 2.725 | 2.720 | 2.705 | 2.685 | 2.672 | | 2.657 | | | 2.572 - 2.772 | 2.699 |

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 72560

SDG No.:

Instrument ID: ZPID GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2013 15:20 Calibration End Date: 01/18/2013 16:58 Calibration ID: 13357

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD1 240-72560/2 | Z0011802.D |
| Level 2 | STD2 240-72560/3 | Z0011803.D |
| Level 3 | STD3 240-72560/4 | Z0011804.D |
| Level 4 | STD4 240-72560/5 | Z0011805.D |
| Level 5 | STD5 240-72560/6 | Z0011806.D |
| Level 6 | STD6 240-72560/7 | Z0011807.D |
| Level 7 | STD8 240-72560/9 | Z0011809.D |
| Level 8 | STD7 240-72560/8 | Z0011808.D |
| Level 9 | STD9 240-72560/10 | Z0011810.D |

| ANALYTE | CF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN CF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 5 LVL 9 | LVL 2 LVL 6 | LVL 3 LVL 7 | LVL 4 LVL 8 | | B | M1 | M2 | | | | | | | | |
| Methane | 153247<br>102893<br>103380 | 128183<br>103123 | 105364<br>105474 | 104494<br>105611 | Ave | | 112418.756 | | | | 15.0 | | 30.0 | | | |
| Ethylene | 96806<br>93671<br>91386 | 105381<br>93127 | 88894<br>94811 | 88696<br>94044 | Ave | | 94090.5098 | | | | 5.3 | | 30.0 | | | |
| Acetylene | 24689<br>26208<br>30711 | 26581<br>27597 | 22760<br>32188 | 22861<br>29509 | Ave | | 27011.6103 | | | | 12.0 | | 30.0 | | | |
| Ethane | 101411<br>102963<br>103364 | 112107<br>103379 | 95960<br>105521 | 96602<br>105534 | Ave | | 102982.426 | | | | 4.7 | | 30.0 | | | |
| Propene | 78986<br>89968<br>88100 | 88423<br>89534 | 74666<br>91410 | 74390<br>90185 | Ave | | 85073.4816 | | | | 8.2 | | 30.0 | | | |
| Propane | 92321<br>105760<br>106943 | 105081<br>106628 | 90712<br>108964 | 91379<br>108961 | Ave | | 101860.977 | | | | 7.8 | | 30.0 | | | |
| Propane, 2-methyl | 83666<br>107682<br>109409 | 95313<br>108896 | 86769<br>111112 | 87421<br>111310 | Ave | | 100175.232 | | | | 12.0 | | 30.0 | | | |
| 1,1,1-Trifluoroethane | 31205<br>41006 | 35368<br>40303 | 36127 | 40135<br>41168 | Ave | | 37901.8635 | | | | 10.0 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20760-1 Analy Batch No.: 72560

SDG No.:

Instrument ID: ZPID GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2013 15:20 Calibration End Date: 01/18/2013 16:58 Calibration ID: 13357

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD1 240-72560/2 | Z0011802.D |
| Level 2 | STD2 240-72560/3 | Z0011803.D |
| Level 3 | STD3 240-72560/4 | Z0011804.D |
| Level 4 | STD4 240-72560/5 | Z0011805.D |
| Level 5 | STD5 240-72560/6 | Z0011806.D |
| Level 6 | STD6 240-72560/7 | Z0011807.D |
| Level 7 | STD8 240-72560/9 | Z0011809.D |
| Level 8 | STD7 240-72560/8 | Z0011808.D |
| Level 9 | STD9 240-72560/10 | Z0011810.D |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4<br>LVL 9 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4<br>LVL 9 | LVL 5 |
| Methane | Ave | 38438<br>11934310 | 123659<br>81376315 | 406582<br>36666789 | 1209668<br>159521463 | 3969261 | 0.251<br>116 | 0.965<br>772 | 3.86<br>347 | 11.6<br>1543 | 38.6 |
| Ethylene | Ave | 42640<br>18928943 | 178527<br>128474180 | 602389<br>57345534 | 1803144<br>247666290 | 6346457 | 0.440<br>203 | 1.69<br>1355 | 6.78<br>610 | 20.3<br>2710 | 67.8 |
| Acetylene | Ave | 10063<br>5189958 | 41670<br>40355973 | 142717<br>16648752 | 430060<br>77009812 | 1642953 | 0.408<br>188 | 1.57<br>1254 | 6.27<br>564 | 18.8<br>2508 | 62.7 |
| Ethane | Ave | 47848<br>22508675 | 203442<br>153167226 | 696560<br>68933291 | 2103657<br>300072325 | 7472670 | 0.472<br>218 | 1.81<br>1452 | 7.26<br>653 | 21.8<br>2903 | 72.6 |
| Propene | Ave | 52126<br>27266136 | 224438<br>185584124 | 758081<br>82393900 | 2265818<br>357727706 | 9132788 | 0.660<br>305 | 2.54<br>2030 | 10.2<br>914 | 30.5<br>4060 | 102 |
| Propane | Ave | 63821<br>34014805 | 279391<br>231733482 | 964752<br>104277738 | 2915538<br>454872922 | 11246033 | 0.691<br>319 | 2.66<br>2127 | 10.6<br>957 | 31.9<br>4253 | 106 |
| Propane, 2-methyl | Ave | 76200<br>45765053 | 333875<br>311308529 | 1215789<br>140338679 | 3674766<br>613077945 | 15084964 | 0.911<br>420 | 3.50<br>2802 | 14.0<br>1261 | 42.0<br>5604 | 140 |
| 1,1,1-Trifluoroethane | Ave | 2054100<br>367330855 | 8954283 | 36585949<br>500284541 | 121933404 | 249161727 | 65.8<br>9114 | 253 | 1013<br>12152 | 3038 | 6076 |

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011802.D | | |
| Lims ID: | STD1 | Client ID: | |
| Inject. Date: | 18-Jan-2013 15:20:25 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 1 |
| Sample ID: | 240-0016705-002 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 2 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:44 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |
| First Level Reviewer: shockr | | Date: | 18-Jan-2013 15:40:18 |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.912 | 0.909 | 0.003 | 38438 | 0.3480 | |
| 4 Ethylene | | | | | | |
| 2 | 1.412 | 1.405 | 0.007 | 42640 | 0.4601 | |
| 5 Acetylene | | | | | | |
| 2 | 1.502 | 1.495 | 0.007 | 10063 | 0.3718 | |
| 6 Ethane | | | | | | |
| 2 | 1.688 | 1.682 | 0.006 | 47848 | 0.4698 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.728 | 2.672 | 0.056 | 2054100 | 53.6 | |
| 8 Propene | | | | | | |
| 2 | 3.592 | 3.582 | 0.010 | 52126 | 0.6157 | |
| 9 Propane | | | | | | |
| 2 | 3.785 | 3.772 | 0.013 | 63821 | 0.6290 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.425 | 5.409 | 0.016 | 76200 | 0.7561 | |
| 11 Butane | | | | | | |
| 2 | 5.778 | 5.759 | 0.019 | 61439 | 2.23 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | M |
| 2 | 7.348 | 7.343 | 0.005 | 38545 | 1.07 | M |

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

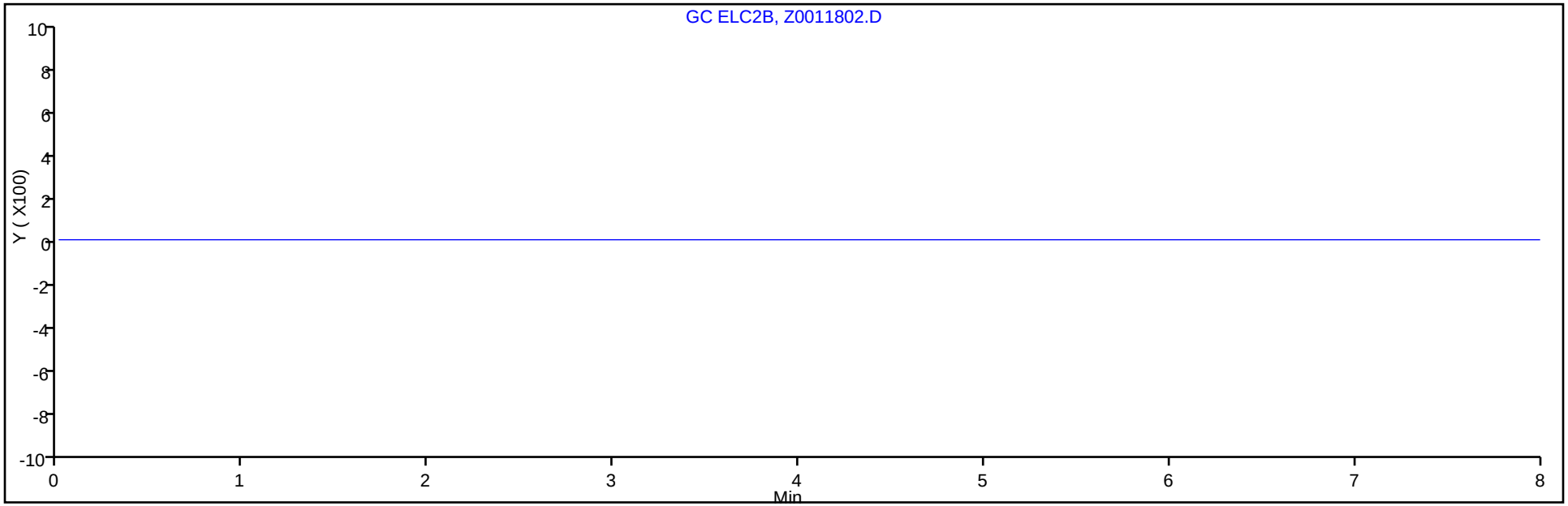
Report Date: 21-Jan-2013 07:51:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

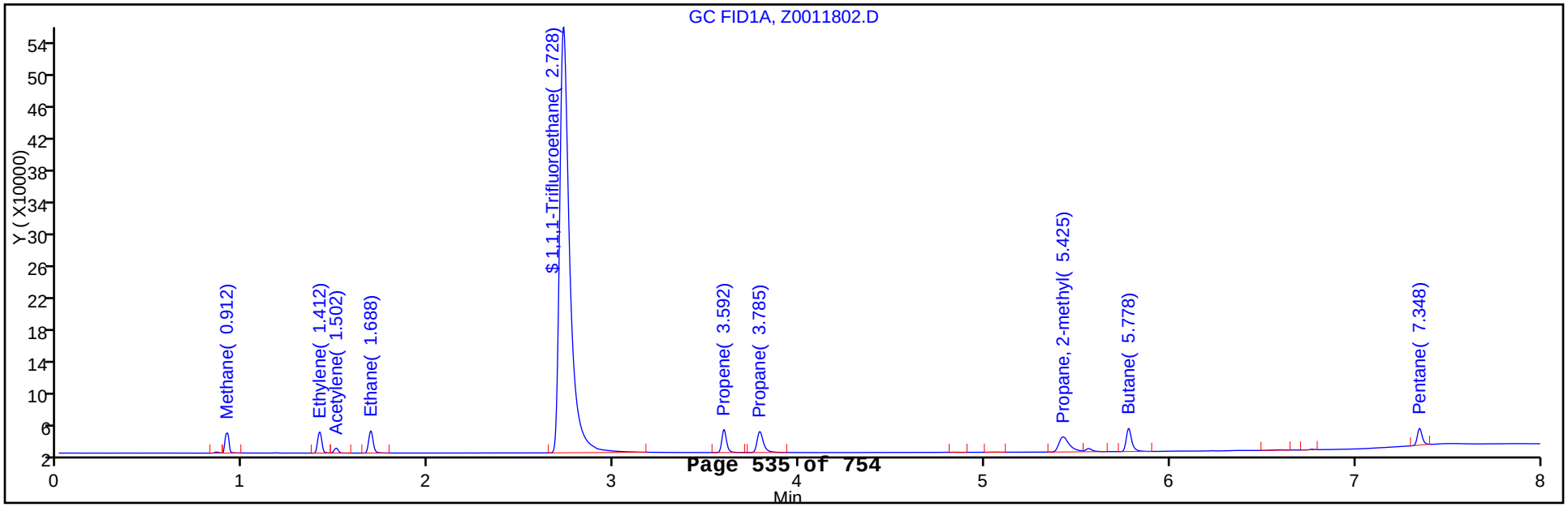
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011802.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:20:25 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 2 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011803.D
Lims ID: STD2 Client ID:
Inject. Date: 18-Jan-2013 15:32:39 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0016705-003
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 3
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:45 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.912 | 0.909 | 0.003 | 123659 | 1.10 | |
| 4 Ethylene | | | | | | |
| 2 | 1.412 | 1.405 | 0.007 | 178527 | 1.90 | |
| 5 Acetylene | | | | | | |
| 2 | 1.498 | 1.495 | 0.003 | 41670 | 1.54 | |
| 6 Ethane | | | | | | |
| 2 | 1.685 | 1.682 | 0.003 | 203442 | 1.98 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.725 | 2.672 | 0.053 | 8954283 | 236.2 | |
| 8 Propene | | | | | | |
| 2 | 3.592 | 3.582 | 0.010 | 224438 | 2.64 | |
| 9 Propane | | | | | | |
| 2 | 3.785 | 3.772 | 0.013 | 279391 | 2.74 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.422 | 5.409 | 0.013 | 333875 | 3.33 | |
| 11 Butane | | | | | | |
| 2 | 5.775 | 5.759 | 0.016 | 270657 | 4.26 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.345 | 7.343 | 0.002 | 184659 | 4.90 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

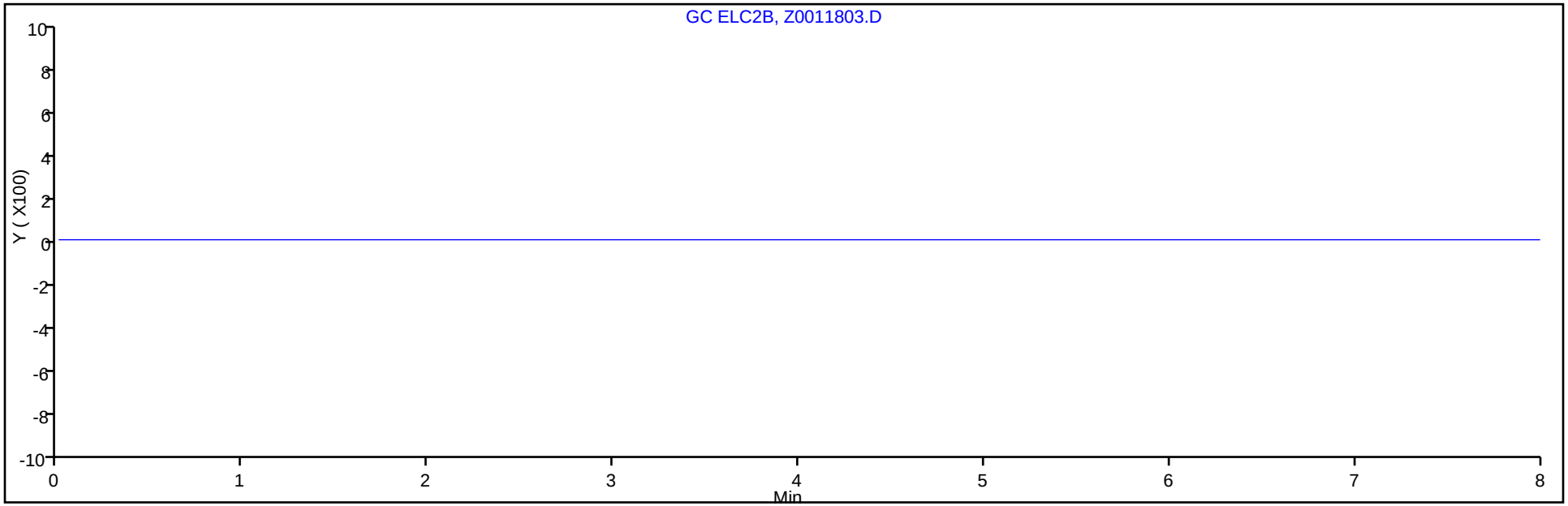
Report Date: 21-Jan-2013 07:51:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

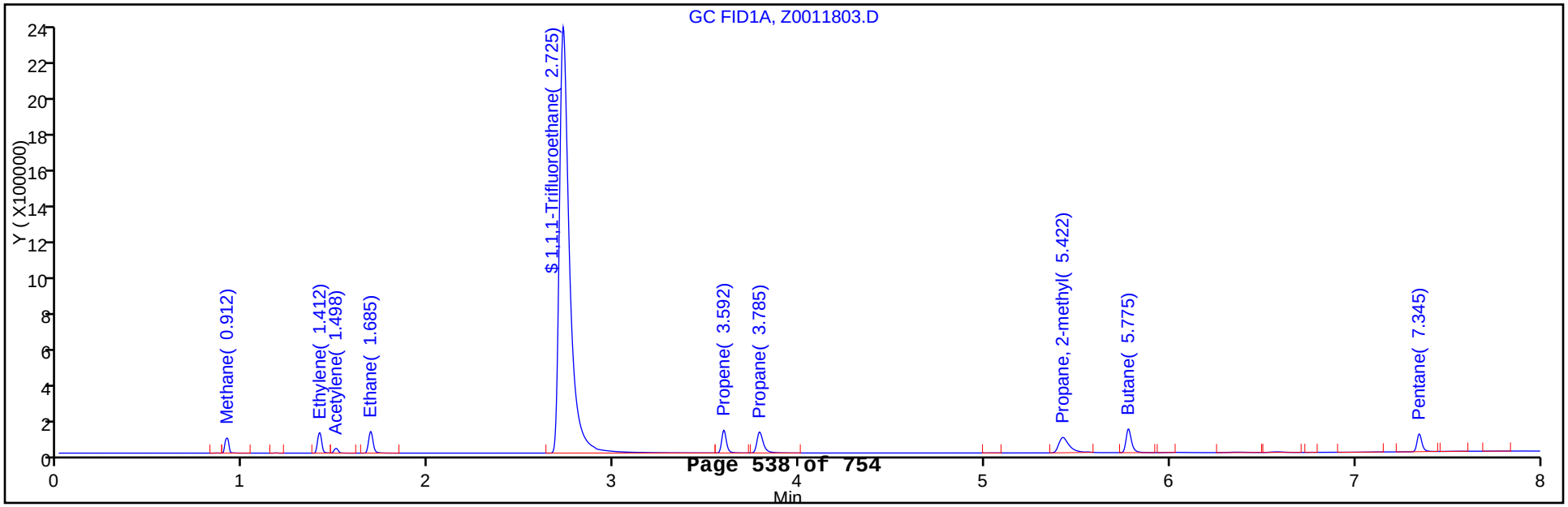
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011803.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:32:39 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 3 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011804.D
Lims ID: STD3 Client ID:
Inject. Date: 18-Jan-2013 15:44:52 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0016705-004
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 4
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:46 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.909 | 0.001 | 406582 | 3.62 | |
| 4 Ethylene | | | | | | |
| 2 | 1.410 | 1.405 | 0.005 | 602389 | 6.40 | |
| 5 Acetylene | | | | | | |
| 2 | 1.500 | 1.495 | 0.005 | 142717 | 5.28 | |
| 6 Ethane | | | | | | |
| 2 | 1.687 | 1.682 | 0.005 | 696560 | 6.76 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.720 | 2.672 | 0.048 | 36585949 | 965.3 | |
| 8 Propene | | | | | | |
| 2 | 3.590 | 3.582 | 0.008 | 758081 | 8.91 | |
| 9 Propane | | | | | | |
| 2 | 3.784 | 3.772 | 0.012 | 964752 | 9.47 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.420 | 5.409 | 0.011 | 1215789 | 12.1 | |
| 11 Butane | | | | | | |
| 2 | 5.774 | 5.759 | 0.015 | 940617 | 10.6 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.344 | 7.343 | 0.001 | 638579 | 16.9 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

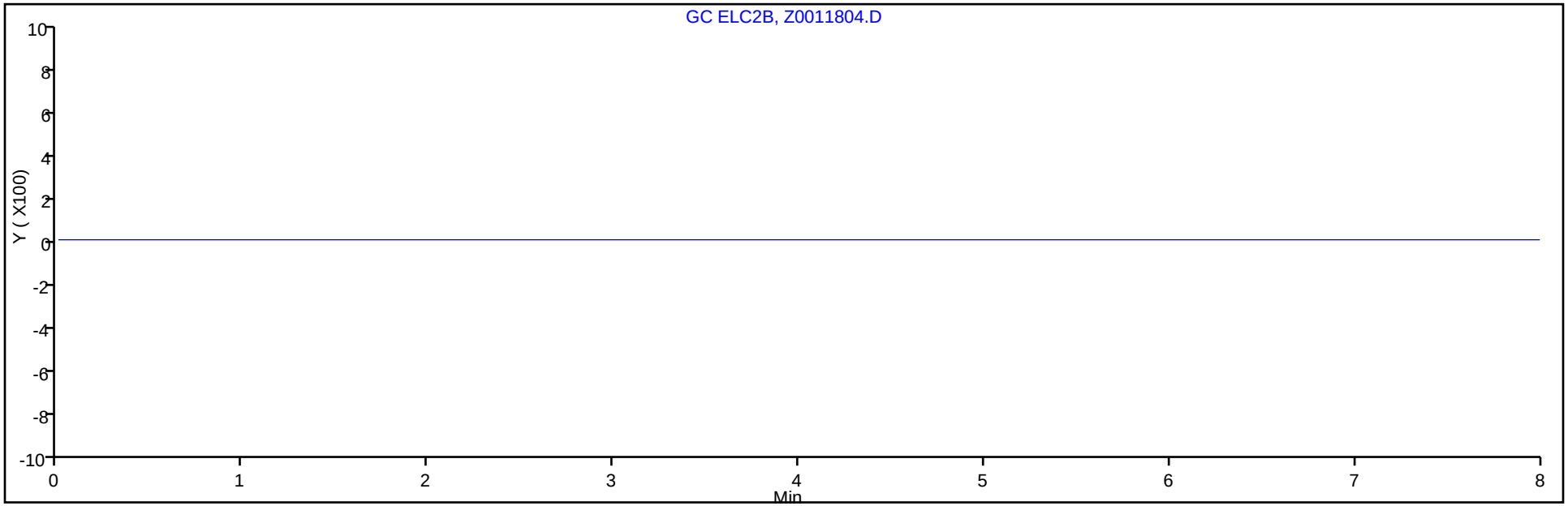
Report Date: 21-Jan-2013 07:51:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

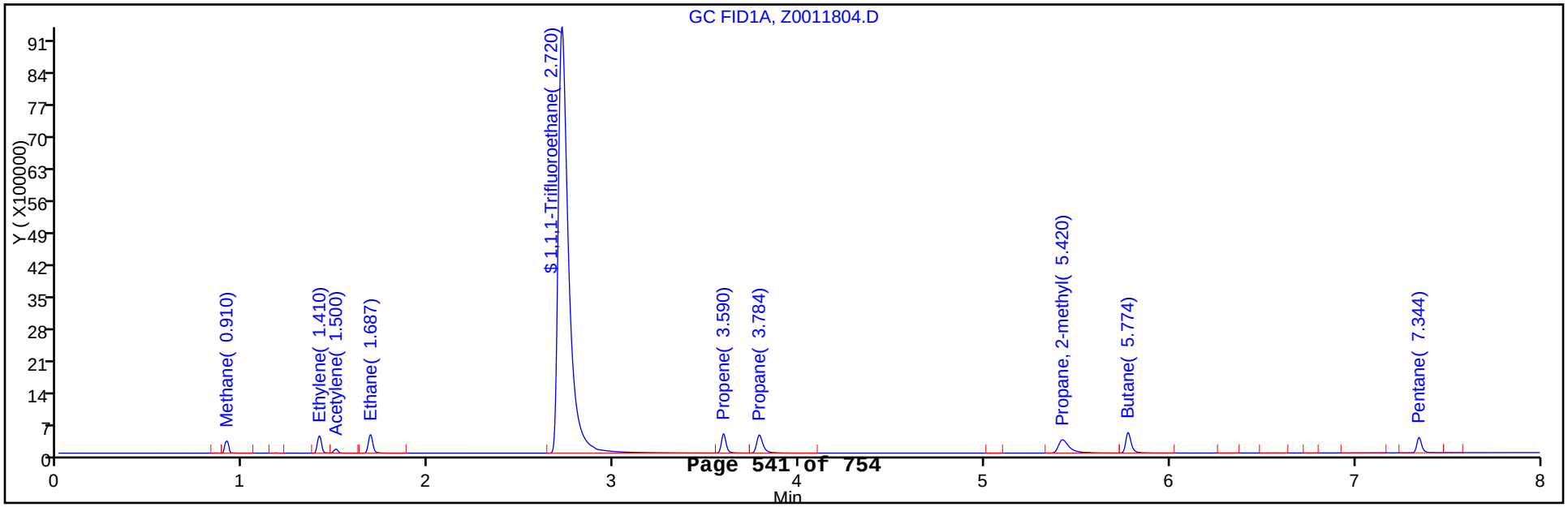
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011804.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:44:52 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 4 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011805.D
Lims ID: STD4 Client ID:
Inject. Date: 18-Jan-2013 15:57:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0016705-005
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 5
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:47 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 1209668 | 10.8 | |
| 4 Ethylene | | | | | | |
| 2 | 1.409 | 1.405 | 0.004 | 1803144 | 19.2 | |
| 5 Acetylene | | | | | | |
| 2 | 1.499 | 1.495 | 0.004 | 430060 | 15.9 | |
| 6 Ethane | | | | | | |
| 2 | 1.685 | 1.682 | 0.003 | 2103657 | 20.4 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.705 | 2.672 | 0.033 | 121933404 | 3217.1 | |
| 8 Propene | | | | | | |
| 2 | 3.589 | 3.582 | 0.007 | 2265818 | 26.6 | |
| 9 Propane | | | | | | |
| 2 | 3.782 | 3.772 | 0.010 | 2915538 | 28.6 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.419 | 5.409 | 0.010 | 3674766 | 36.7 | |
| 11 Butane | | | | | | |
| 2 | 5.772 | 5.759 | 0.013 | 2863160 | 28.6 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.342 | 7.343 | -0.001 | 1957370 | 51.9 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

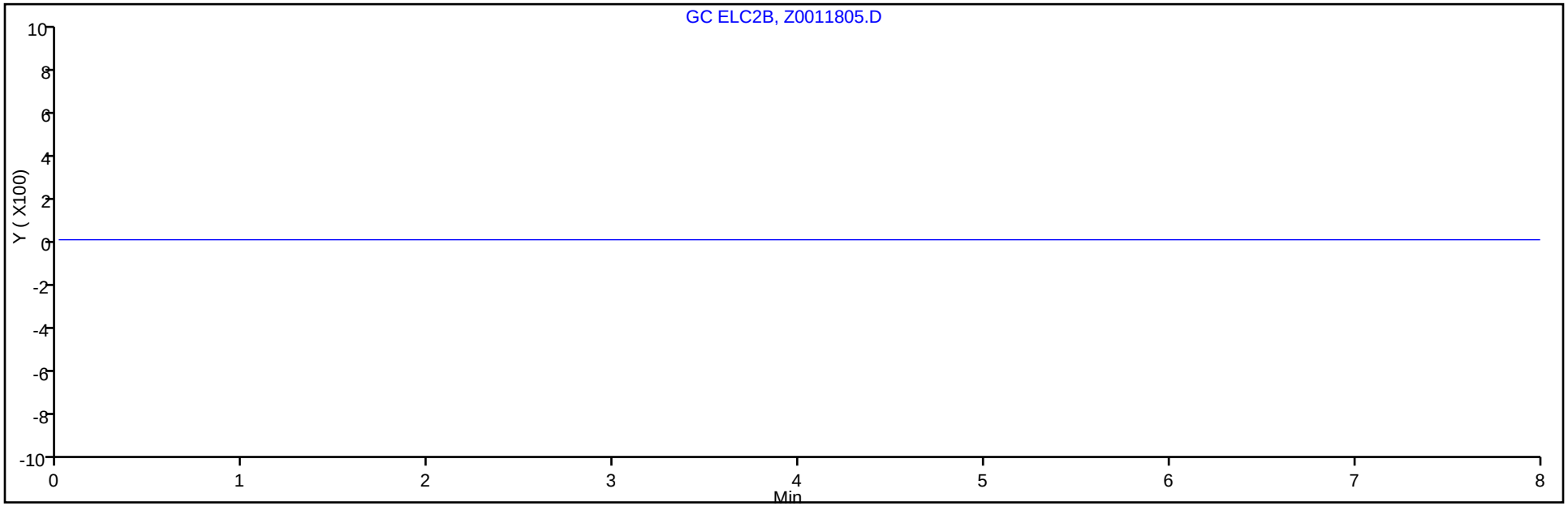
Report Date: 21-Jan-2013 07:51:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

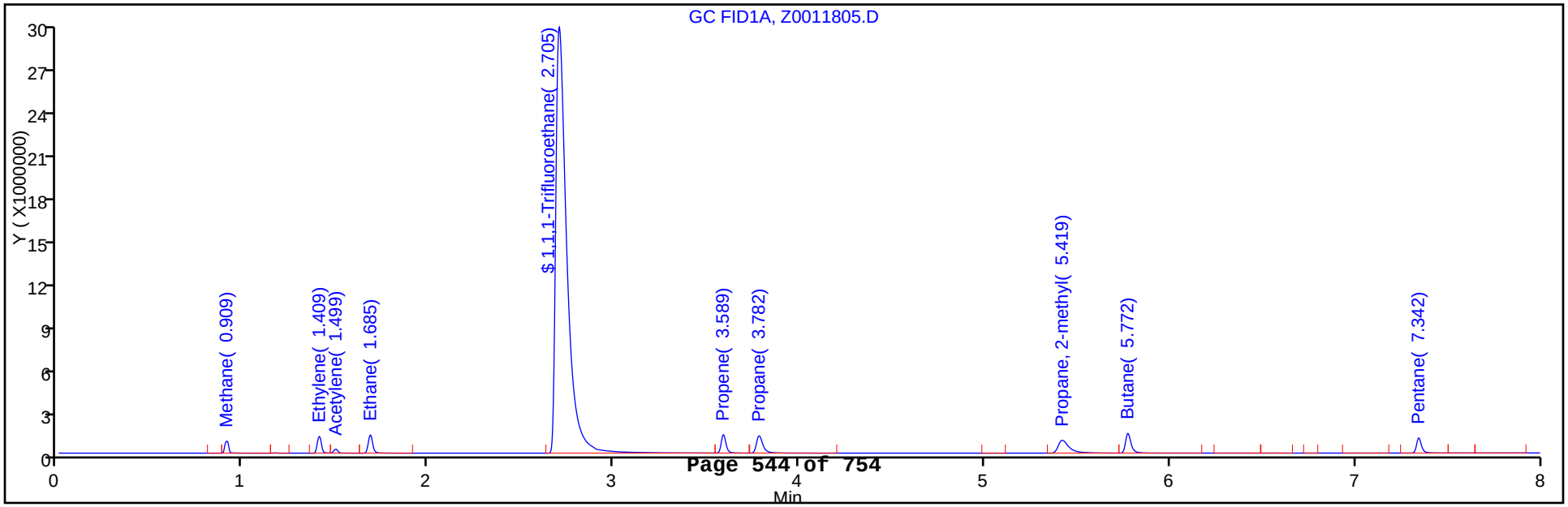
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011805.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:57:06 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 5 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011806.D
Lims ID: STD5 Client ID:
Inject. Date: 18-Jan-2013 16:09:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016705-006
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 6
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:48 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 3969261 | 35.3 | |
| 4 Ethylene | | | | | | |
| 2 | 1.409 | 1.405 | 0.004 | 6346457 | 67.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.499 | 1.495 | 0.004 | 1642953 | 60.8 | |
| 6 Ethane | | | | | | |
| 2 | 1.682 | 1.682 | 0.000 | 7472670 | 72.6 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.685 | 2.672 | 0.013 | 249161727 | 6573.9 | |
| 8 Propene | | | | | | |
| 2 | 3.585 | 3.582 | 0.003 | 9132788 | 107.4 | |
| 9 Propane | | | | | | |
| 2 | 3.779 | 3.772 | 0.007 | 11246033 | 110.4 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.415 | 5.409 | 0.006 | 15084964 | 150.6 | |
| 11 Butane | | | | | | |
| 2 | 5.769 | 5.759 | 0.010 | 14692323 | 139.6 | |

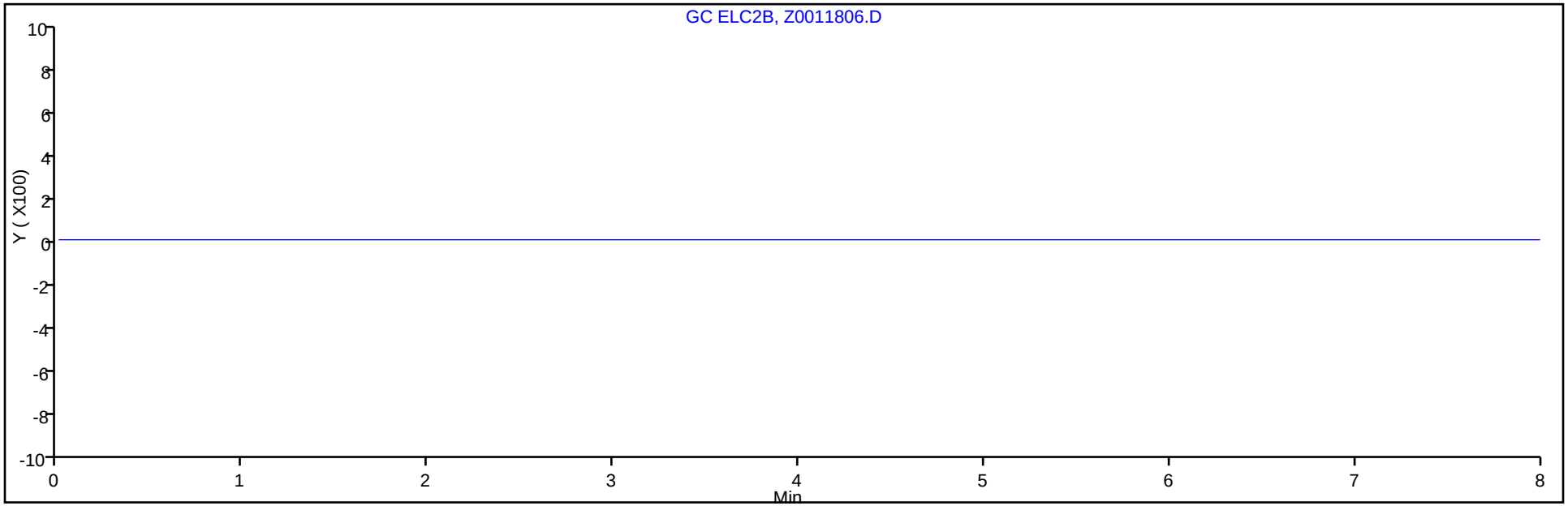
Report Date: 21-Jan-2013 07:51:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

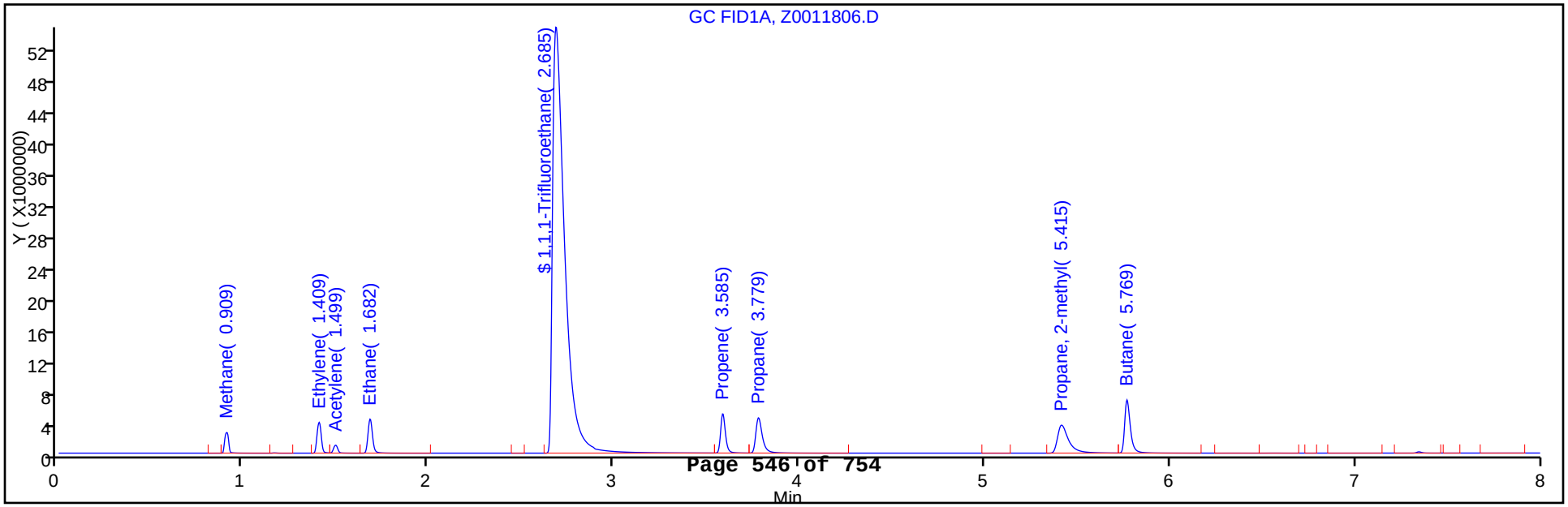
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011806.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:09:19 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 6 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011807.D
Lims ID: STD6 Client ID:
Inject. Date: 18-Jan-2013 16:21:33 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 6
Sample ID: 240-0016705-007
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 7
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:49 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 11934310 | 106.2 | |
| 4 Ethylene | | | | | | |
| 2 | 1.405 | 1.405 | 0.000 | 18928943 | 201.2 | |
| 5 Acetylene | | | | | | |
| 2 | 1.495 | 1.495 | 0.000 | 5189958 | 192.1 | |
| 6 Ethane | | | | | | |
| 2 | 1.682 | 1.682 | 0.000 | 22508675 | 218.6 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.672 | 2.672 | 0.000 | 367330855 | 9691.6 | |
| 8 Propene | | | | | | |
| 2 | 3.582 | 3.582 | 0.000 | 27266136 | 320.5 | |
| 9 Propane | | | | | | |
| 2 | 3.772 | 3.772 | 0.000 | 34014805 | 333.9 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.409 | 5.409 | 0.000 | 45765053 | 456.8 | |
| 11 Butane | | | | | | |
| 2 | 5.759 | 5.759 | 0.000 | 44502877 | 419.5 | |

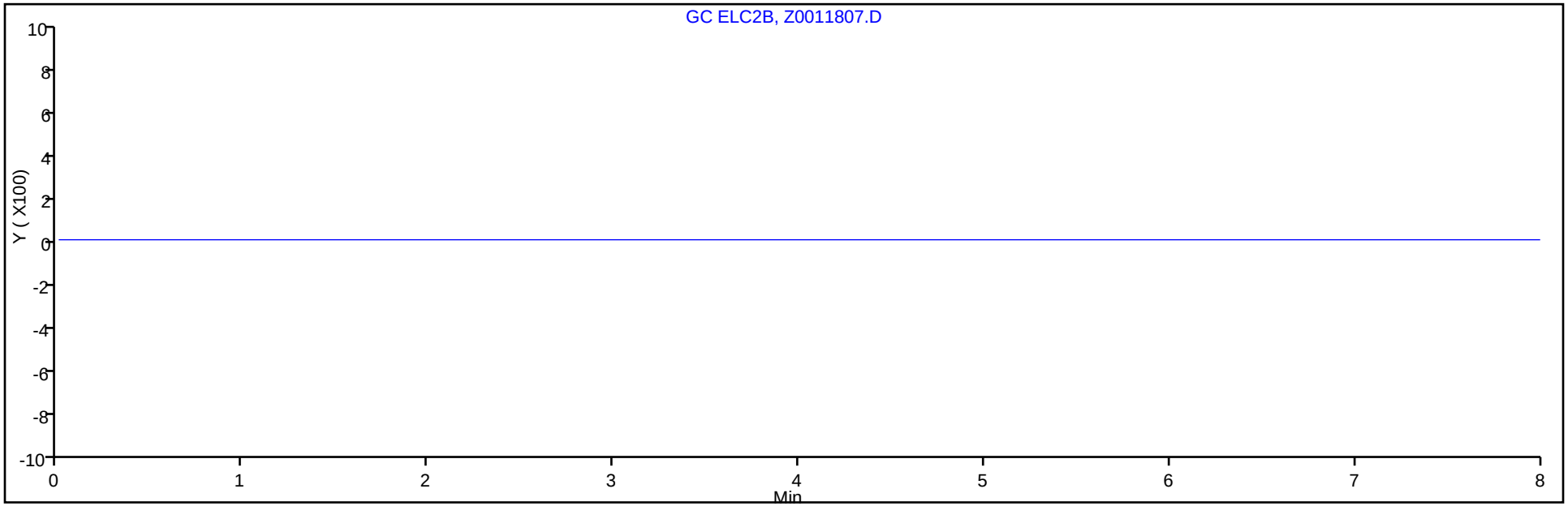
Report Date: 21-Jan-2013 07:51:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

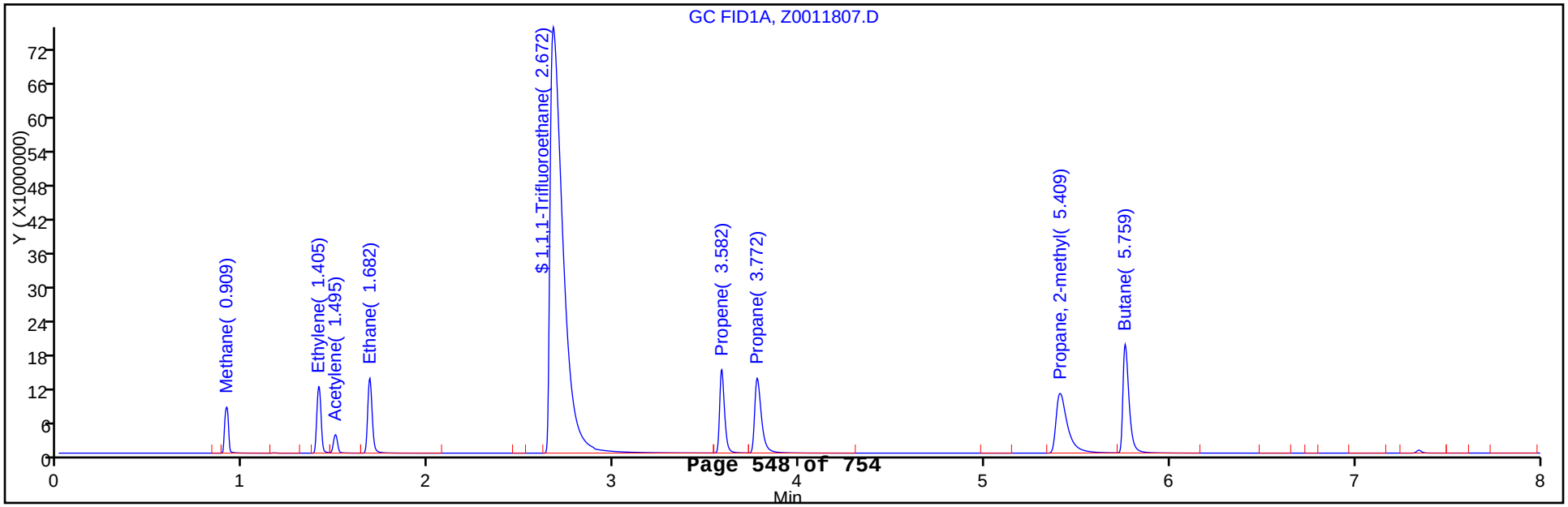
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011807.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:21:33 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 7 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011808.D
Lims ID: STD7 Client ID:
Inject. Date: 18-Jan-2013 16:33:46 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: 240-0016705-008
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 8
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:50 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.909 | 0.001 | 36666789 | 326.2 | |
| 4 Ethylene | | | | | | |
| 2 | 1.404 | 1.405 | -0.001 | 57345534 | 609.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.494 | 1.495 | -0.001 | 16648752 | 616.4 | |
| 6 Ethane | | | | | | |
| 2 | 1.677 | 1.682 | -0.005 | 68933291 | 669.4 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.657 | 2.672 | -0.015 | 500284541 | 13199 | |
| 8 Propene | | | | | | |
| 2 | 3.564 | 3.582 | -0.018 | 82393900 | 968.5 | |
| 9 Propane | | | | | | |
| 2 | 3.757 | 3.772 | -0.015 | 104277738 | 1023.7 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.387 | 5.409 | -0.022 | 140338679 | 1400.9 | |
| 11 Butane | | | | | | |
| 2 | 5.737 | 5.759 | -0.022 | 136446850 | 1282.6 | |

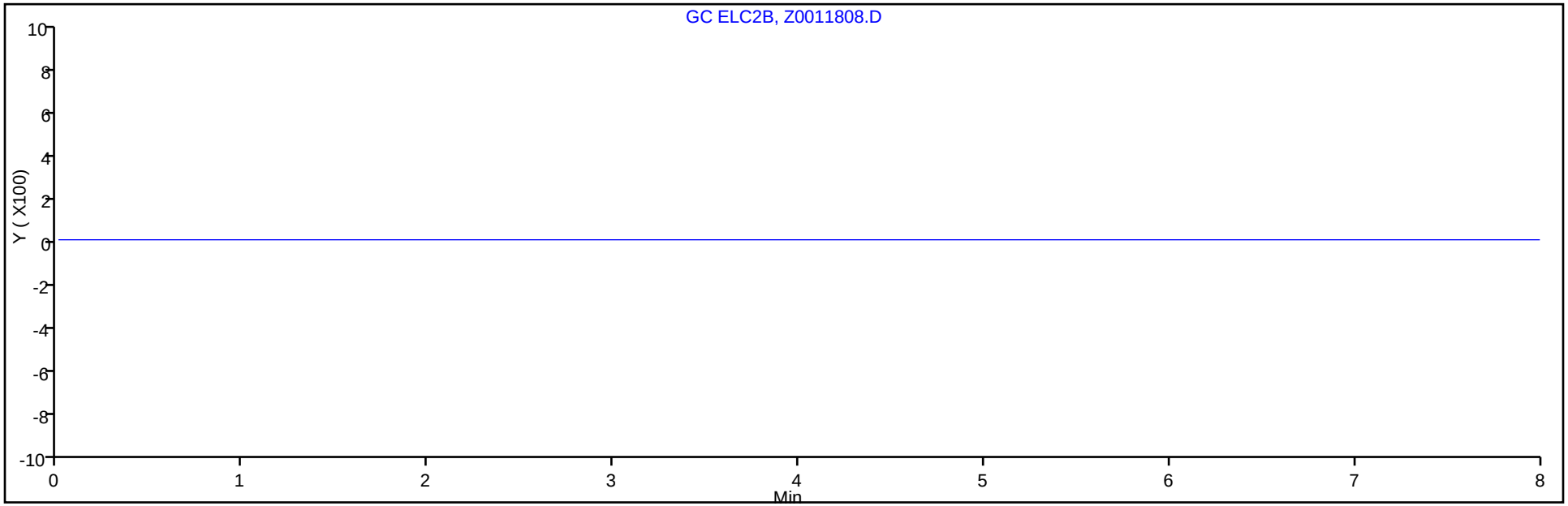
Report Date: 21-Jan-2013 07:51:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

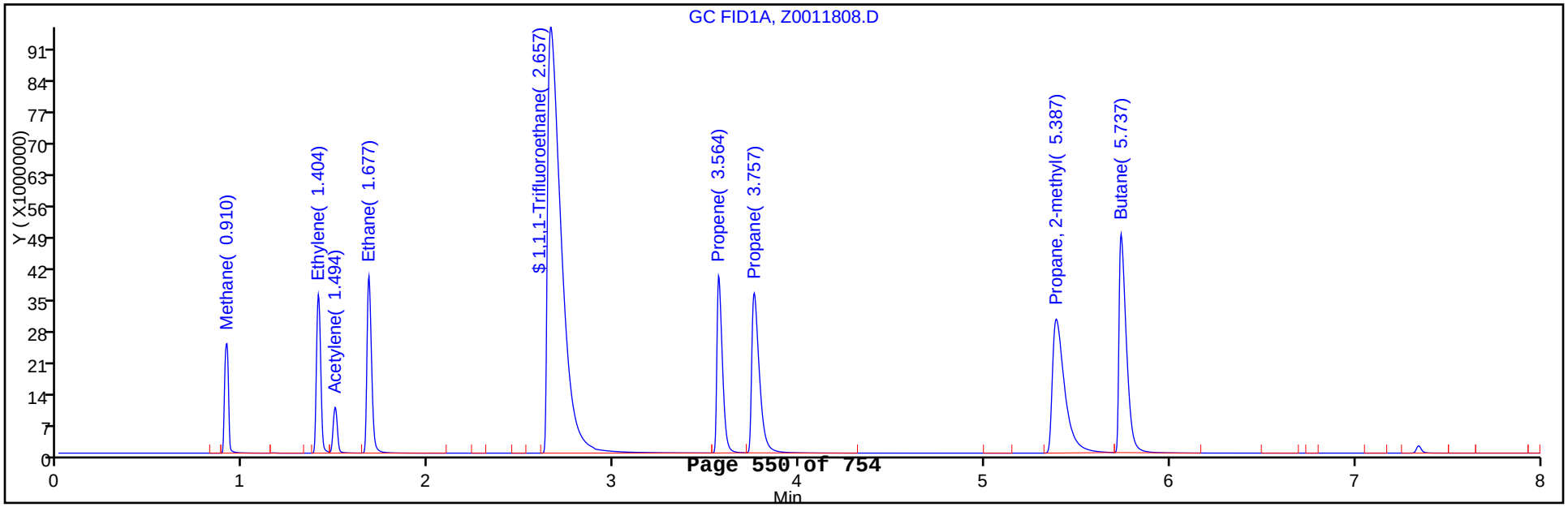
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011808.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:33:46 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 8 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011809.D | | |
| Lims ID: | STD8 | Client ID: | |
| Inject. Date: | 18-Jan-2013 16:45:59 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 8 |
| Sample ID: | 240-0016705-009 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 9 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:50 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 81376315 | 723.9 | |
| 4 Ethylene | | | | | | |
| 2 | 1.399 | 1.405 | -0.006 | 128474180 | 1365.4 | |
| 5 Acetylene | | | | | | |
| 2 | 1.492 | 1.495 | -0.003 | 40355973 | 1494.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.669 | 1.682 | -0.013 | 153167226 | 1487.3 | |
| 8 Propene | | | | | | |
| 2 | 3.542 | 3.582 | -0.040 | 185584124 | 2181.5 | |
| 9 Propane | | | | | | |
| 2 | 3.735 | 3.772 | -0.037 | 231733482 | 2275.0 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.359 | 5.409 | -0.050 | 311308529 | 3107.6 | |
| 11 Butane | | | | | | |
| 2 | 5.709 | 5.759 | -0.050 | 302265097 | 2839.2 | |

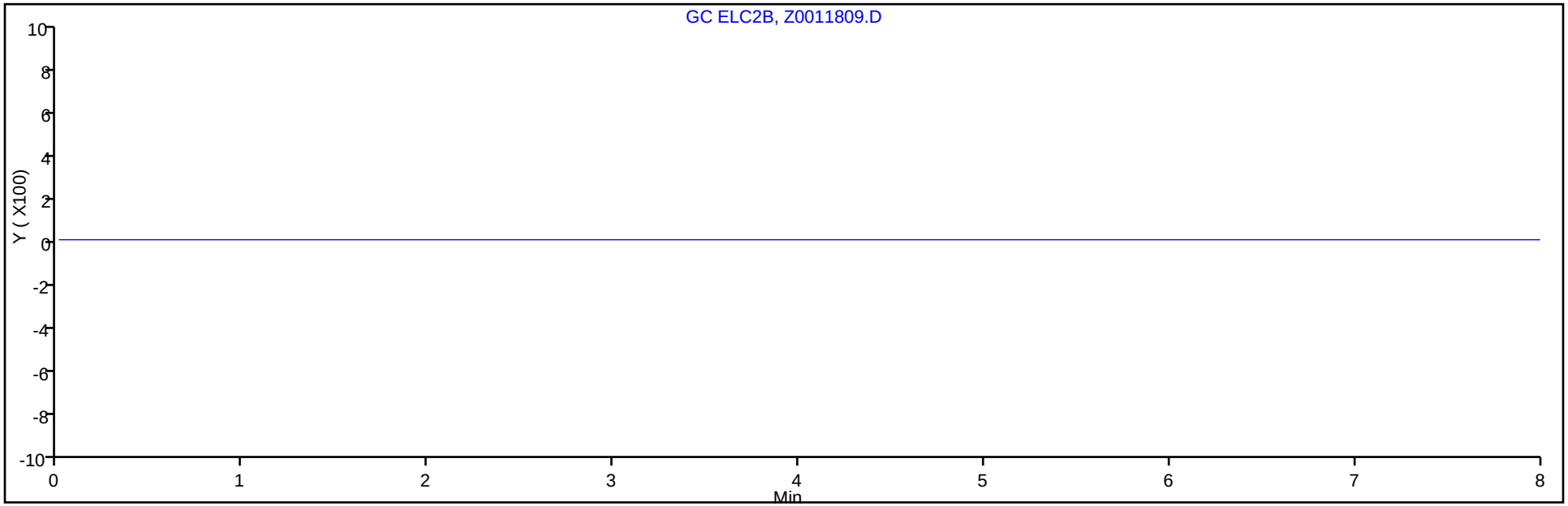
Report Date: 21-Jan-2013 07:51:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

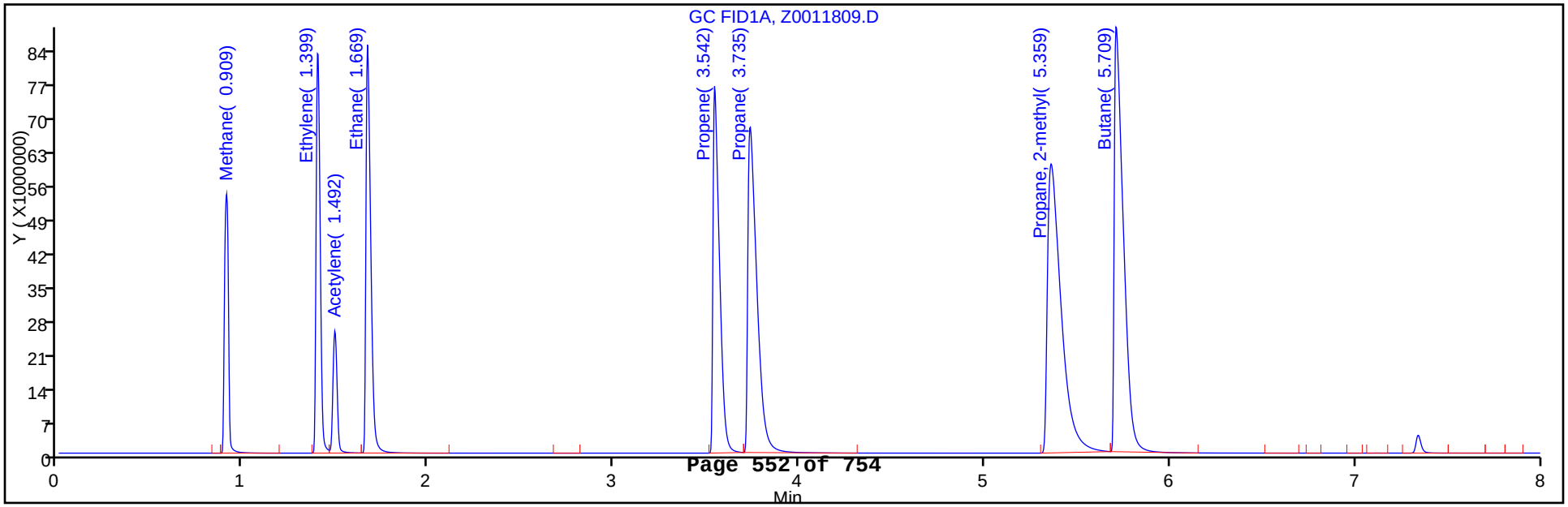
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011809.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:45:59 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 9 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Lims ID: | STD9 | Client ID: | |
| Inject. Date: | 18-Jan-2013 16:58:13 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 9 |
| Sample ID: | 240-0016705-010 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 10 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:51 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

First Level Reviewer: shockr Date: 21-Jan-2013 07:49:32

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 159521463 | 1419.0 | |
| 4 Ethylene | | | | | | |
| 2 | 1.392 | 1.405 | -0.013 | 247666290 | 2632.2 | |
| 5 Acetylene | | | | | | |
| 2 | 1.489 | 1.495 | -0.006 | 77009812 | 2851.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.655 | 1.682 | -0.027 | 300072325 | 2913.8 | |
| 8 Propene | | | | | | |
| 2 | 3.512 | 3.582 | -0.070 | 357727706 | 4204.9 | |
| 9 Propane | | | | | | |
| 2 | 3.705 | 3.772 | -0.067 | 454872922 | 4465.6 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.319 | 5.409 | -0.090 | 613077945 | 6120.1 | |
| 11 Butane | | | | | | |
| 2 | 5.675 | 5.759 | -0.084 | 594057423 | 5578.4 | |

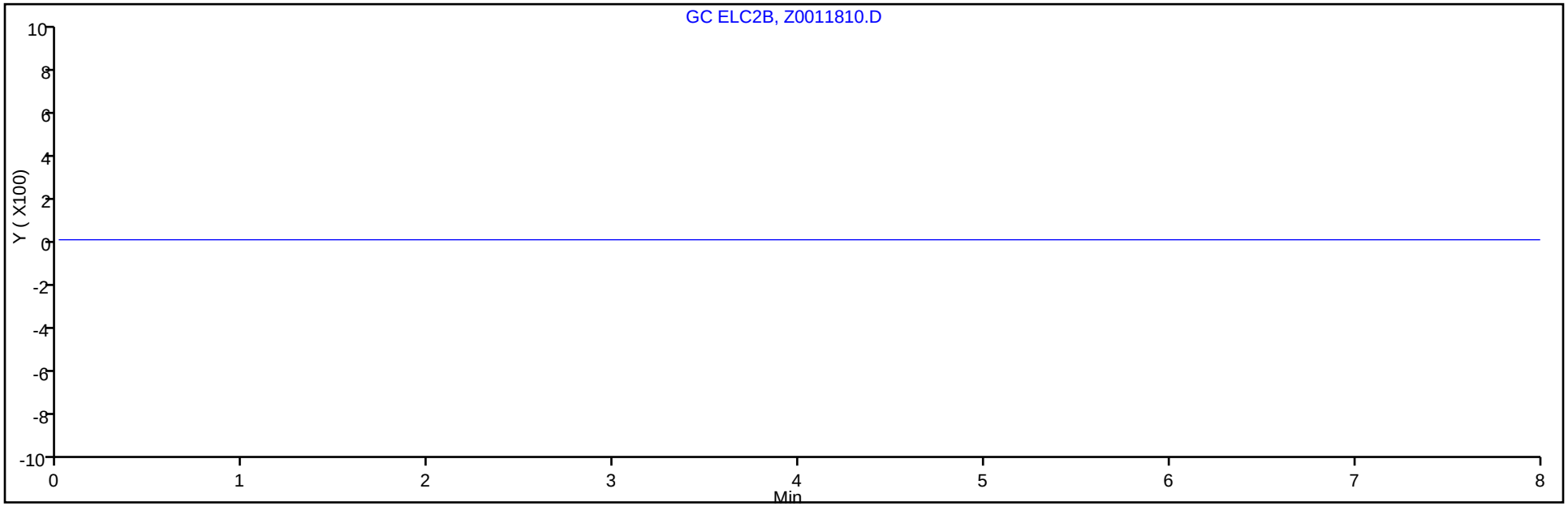
Report Date: 21-Jan-2013 07:51:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

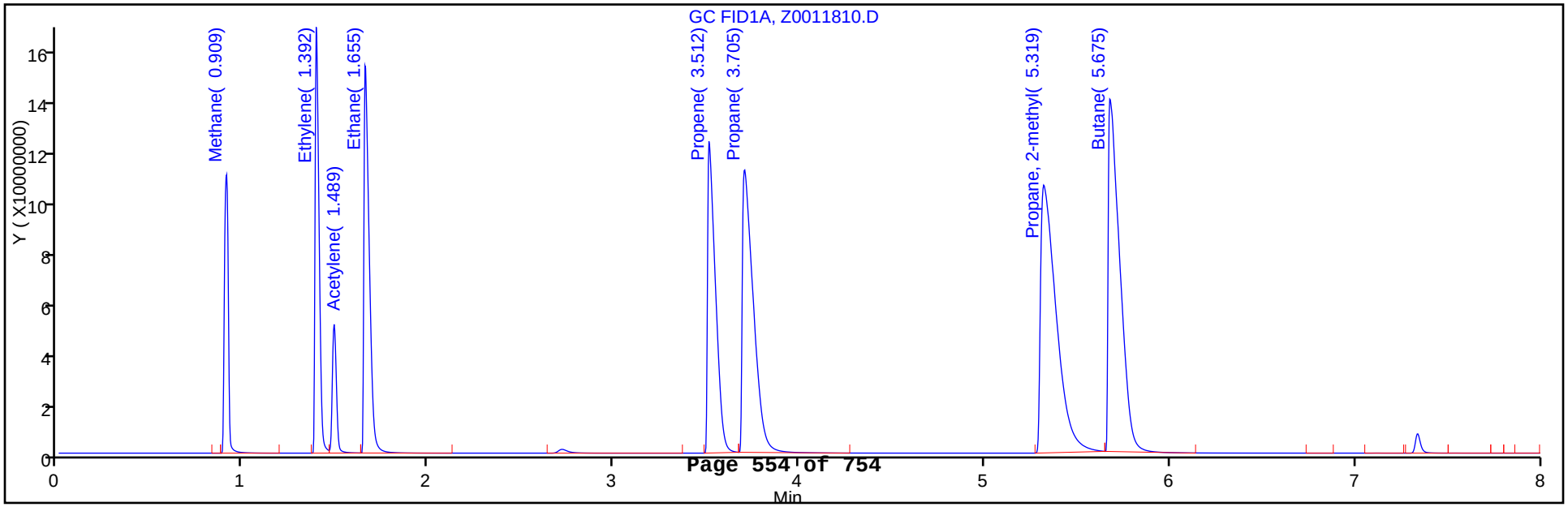
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:58:13 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 10 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-72560/11 Calibration Date: 01/18/2013 17:10

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0011811.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 105235 | | 108 | 116 | -6.4 | 30.0 |
| Ethylene | Ave | 94091 | 94878 | | 205 | 203 | 0.8 | 30.0 |
| Acetylene | Ave | 27012 | 29729 | | 207 | 188 | 10.1 | 30.0 |
| Ethane | Ave | 102982 | 105260 | | 223 | 218 | 2.2 | 30.0 |
| Propene | Ave | 85073 | 93015 | | 333 | 305 | 9.3 | 30.0 |
| Propane | Ave | 101861 | 109606 | | 342 | 318 | 7.6 | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 111796 | | 469 | 420 | 11.6 | 30.0 |
| Butane | Lin1 | | 108462 | | 430 | 420 | 2.2 | 30.0 |
| Pentane | Ave | 37720 | 97267 | | 1340 | 522 | 157.9* | 30.0 |
| 1,1,1-Trifluoroethane | Ave | 37902 | 41998 | | 2700 | 2440 | 10.8 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: ICV 240-72560/11 Calibration Date: 01/18/2013 17:10

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0011811.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.41 | 5.31 | 5.51 |
| Butane | 5.76 | 5.66 | 5.86 |
| Pentane | 7.33 | 7.24 | 7.44 |
| 1,1,1-Trifluoroethane | 2.71 | 2.57 | 2.77 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011811.D
Lims ID: ICV Client ID:
Inject. Date: 18-Jan-2013 17:10:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016705-011
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 11
Sublist:
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:51 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.909 | 0.001 | 12178760 | 108.3 | |
| 4 Ethylene | | | | | | |
| 2 | 1.407 | 1.405 | 0.002 | 19284798 | 205.0 | |
| 5 Acetylene | | | | | | |
| 2 | 1.497 | 1.495 | 0.002 | 5590892 | 207.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.682 | -0.002 | 22918211 | 222.5 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.707 | 2.672 | 0.035 | 102284268 | 2698.7 | |
| 8 Propene | | | | | | |
| 2 | 3.580 | 3.582 | -0.002 | 28326404 | 333.0 | |
| 9 Propane | | | | | | |
| 2 | 3.774 | 3.772 | 0.002 | 34868157 | 342.3 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.407 | 5.409 | -0.002 | 46984052 | 469.0 | |
| 11 Butane | | | | | | |
| 2 | 5.757 | 5.759 | -0.002 | 45582783 | 429.6 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.327 | 7.343 | -0.016 | 50728983 | 1344.9 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

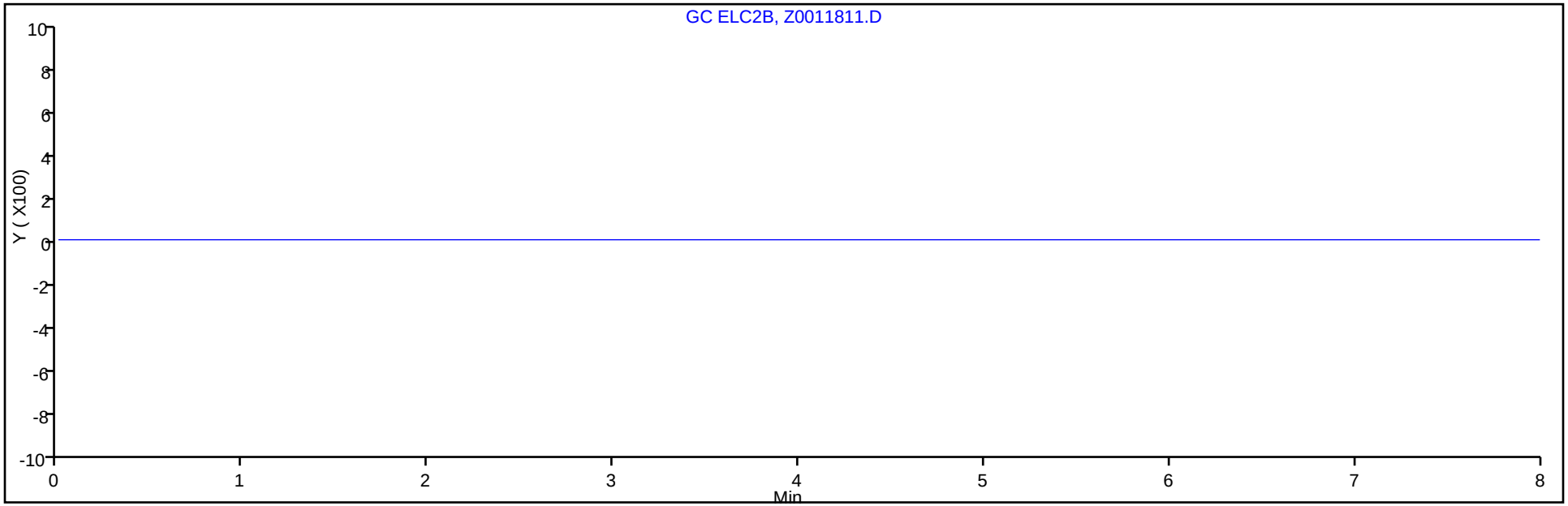
Report Date: 21-Jan-2013 07:51:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

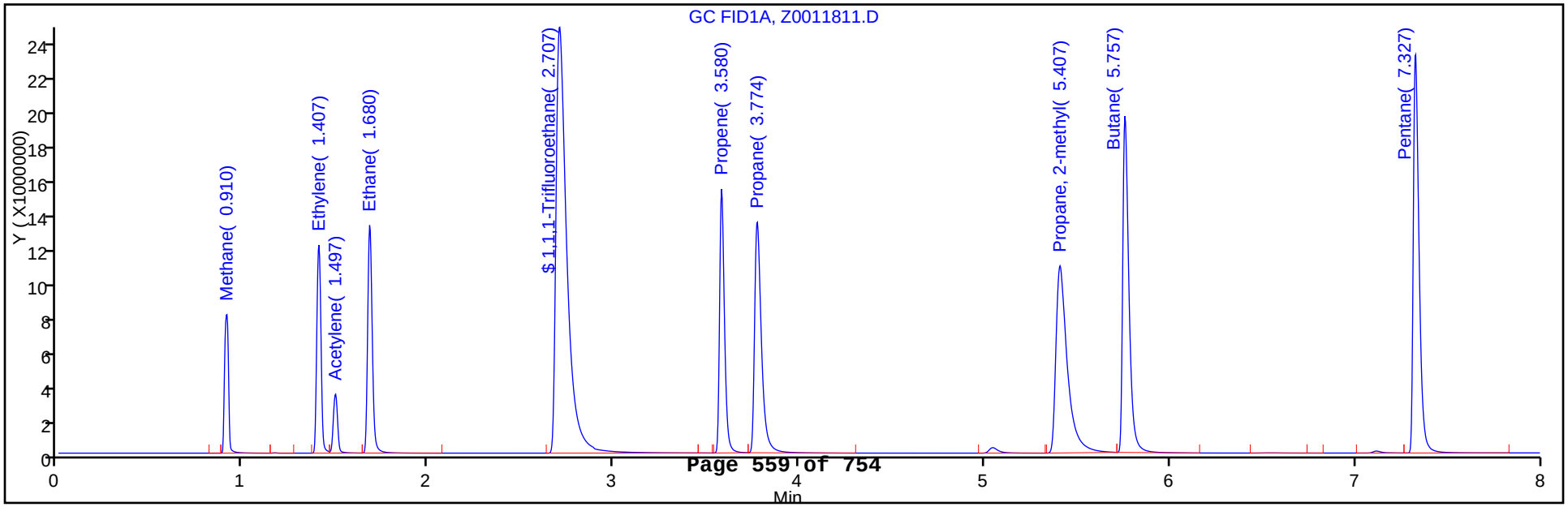
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011811.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 17:10:26 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 11 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVRT 240-75041/2 Calibration Date: 02/12/2013 13:59

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021202.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 124884 | | 129 | 116 | 11.1 | 30.0 |
| Ethylene | Ave | 94091 | 124732 | | 269 | 203 | 32.6* | 30.0 |
| Acetylene | Ave | 27012 | 39819 | | 277 | 188 | 47.4* | 30.0 |
| Ethane | Ave | 102982 | 135414 | | 286 | 218 | 31.5* | 30.0 |
| Propene | Ave | 85073 | 113635 | | 407 | 305 | 33.6* | 30.0 |
| Propane | Ave | 101861 | 136176 | | 426 | 319 | 33.7* | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 136944 | | 575 | 420 | 36.7* | 30.0 |
| Butane | Lin1 | | 112750 | | 447 | 420 | 6.3 | 30.0 |
| Pentane | Ave | 37720 | 2377 | | | 522 | -93.7* | 30.0 |
| 1,1,1-Trifluoroethane | Ave | 37902 | 42234 | | 2710 | 2440 | 11.4 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCVRT 240-75041/2 Calibration Date: 02/12/2013 13:59

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021202.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.40 | 5.30 | 5.50 |
| Butane | 5.76 | 5.66 | 5.86 |
| Pentane | 7.34 | 7.24 | 7.44 |
| 1,1,1-Trifluoroethane | 2.70 | 2.60 | 2.80 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021202.D | | |
| Lims ID: | CCVRT | Client ID: | |
| Inject. Date: | 12-Feb-2013 13:59:19 | Dil. Factor: | 1.0000 |
| Sample Type: | CCVRT | | |
| Sample ID: | 240-0017292-002 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 2 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:36 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.910 | 0.000 | 14452783 | 128.6 | |
| 4 Ethylene | | | | | | |
| 2 | 1.410 | 1.410 | 0.000 | 25352886 | 269.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.497 | 1.497 | 0.000 | 7488541 | 277.2 | |
| 6 Ethane | | | | | | |
| 2 | 1.684 | 1.684 | 0.000 | 29483694 | 286.3 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.704 | 2.704 | 0.000 | 102860378 | 2713.9 | |
| 8 Propene | | | | | | |
| 2 | 3.580 | 3.580 | 0.000 | 34605999 | 406.8 | |
| 9 Propane | | | | | | |
| 2 | 3.770 | 3.770 | 0.000 | 43440822 | 426.5 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.403 | 0.000 | 57552598 | 574.5 | |
| 11 Butane | | | | | | |
| 2 | 5.757 | 5.757 | 0.000 | 47384954 | 446.5 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.343 | 7.343 | 0.000 | 1239910 | 32.9 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

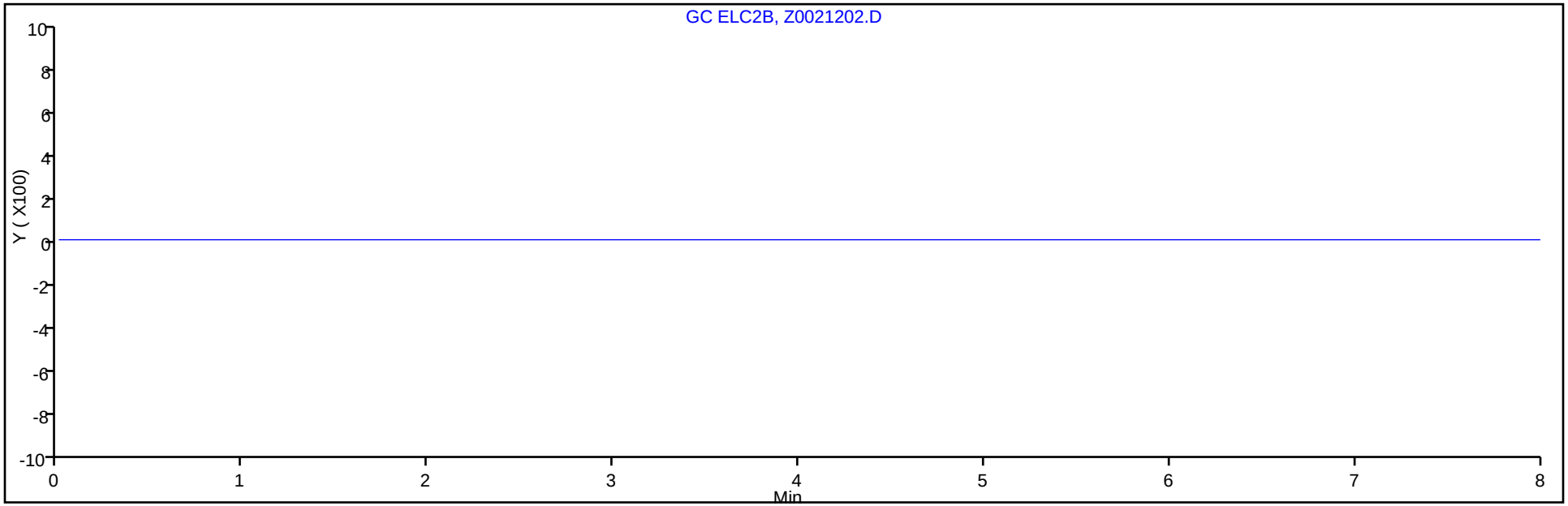
Report Date: 13-Feb-2013 09:07:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

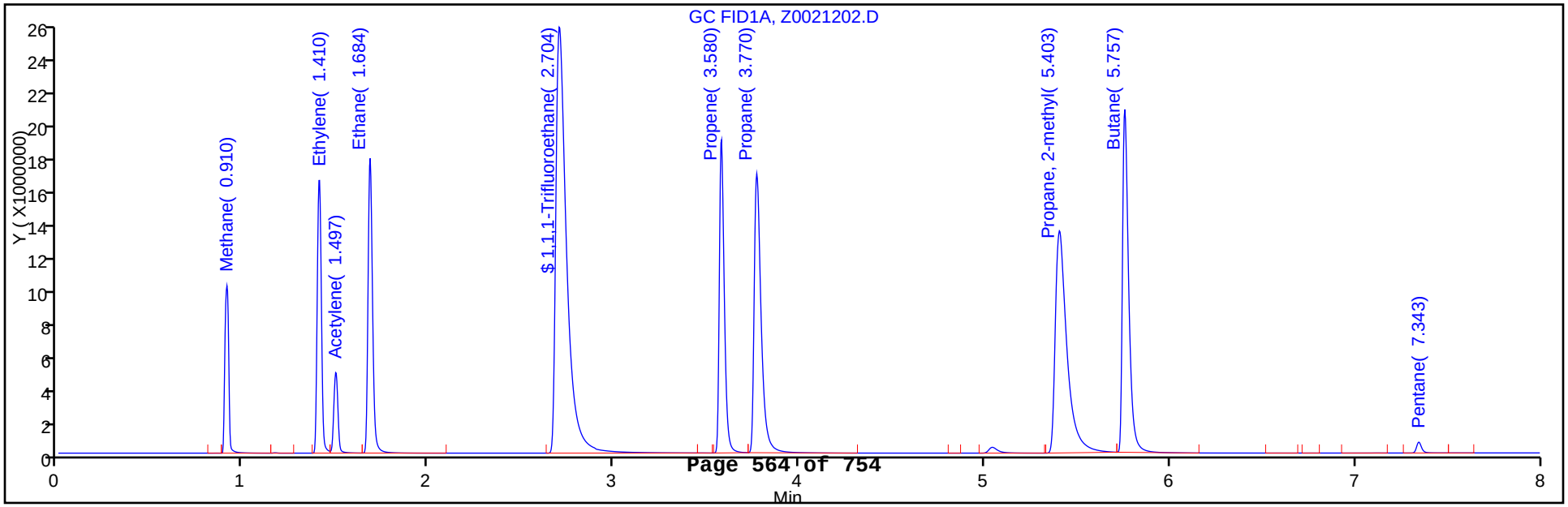
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021202.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 13:59:19 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 2 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCV 240-75041/11 Calibration Date: 02/12/2013 17:34

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021211.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 126113 | | 130 | 116 | 12.2 | 30.0 |
| Ethylene | Ave | 94091 | 117575 | | 254 | 203 | 25.0 | 30.0 |
| Acetylene | Ave | 27012 | 36252 | | 252 | 188 | 34.2* | 30.0 |
| Ethane | Ave | 102982 | 135887 | | 287 | 218 | 32.0* | 30.0 |
| Propene | Ave | 85073 | 106402 | | 381 | 305 | 25.1 | 30.0 |
| Propane | Ave | 101861 | 138190 | | 433 | 319 | 35.7* | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 140818 | | 591 | 420 | 40.6* | 30.0 |
| Butane | Lin1 | | 114982 | | 455 | 420 | 8.3 | 30.0 |
| Pentane | Ave | 37720 | 2425 | | | 522 | -93.6* | 30.0 |
| 1,1,1-Trifluoroethane | Ave | 37902 | 39362 | | 2530 | 2440 | 3.9 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Lab Sample ID: CCV 240-75041/11 Calibration Date: 02/12/2013 17:34

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021211.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.40 | 5.30 | 5.50 |
| Butane | 5.75 | 5.65 | 5.85 |
| Pentane | 7.34 | 7.24 | 7.44 |
| 1,1,1-Trifluoroethane | 2.70 | 2.60 | 2.80 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021211.D | | |
| Lims ID: | CCV | Client ID: | |
| Inject. Date: | 12-Feb-2013 17:34:45 | Dil. Factor: | 1.0000 |
| Sample Type: | CCV | | |
| Sample ID: | 240-0017292-011 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 11 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:31 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.910 | 0.000 | 14595037 | 129.8 | |
| 4 Ethylene | | | | | | |
| 2 | 1.406 | 1.406 | 0.000 | 23898137 | 254.0 | |
| 5 Acetylene | | | | | | |
| 2 | 1.496 | 1.496 | 0.000 | 6817653 | 252.4 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.680 | 0.000 | 29586668 | 287.3 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 95864161 | 2529.3 | |
| 8 Propene | | | | | | |
| 2 | 3.576 | 3.576 | 0.000 | 32403238 | 380.9 | |
| 9 Propane | | | | | | |
| 2 | 3.766 | 3.766 | 0.000 | 44083511 | 432.8 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.400 | 5.400 | 0.000 | 59180677 | 590.8 | |
| 11 Butane | | | | | | |
| 2 | 5.753 | 5.753 | 0.000 | 48323078 | 455.3 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.340 | 7.340 | 0.000 | 1264570 | 33.5 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

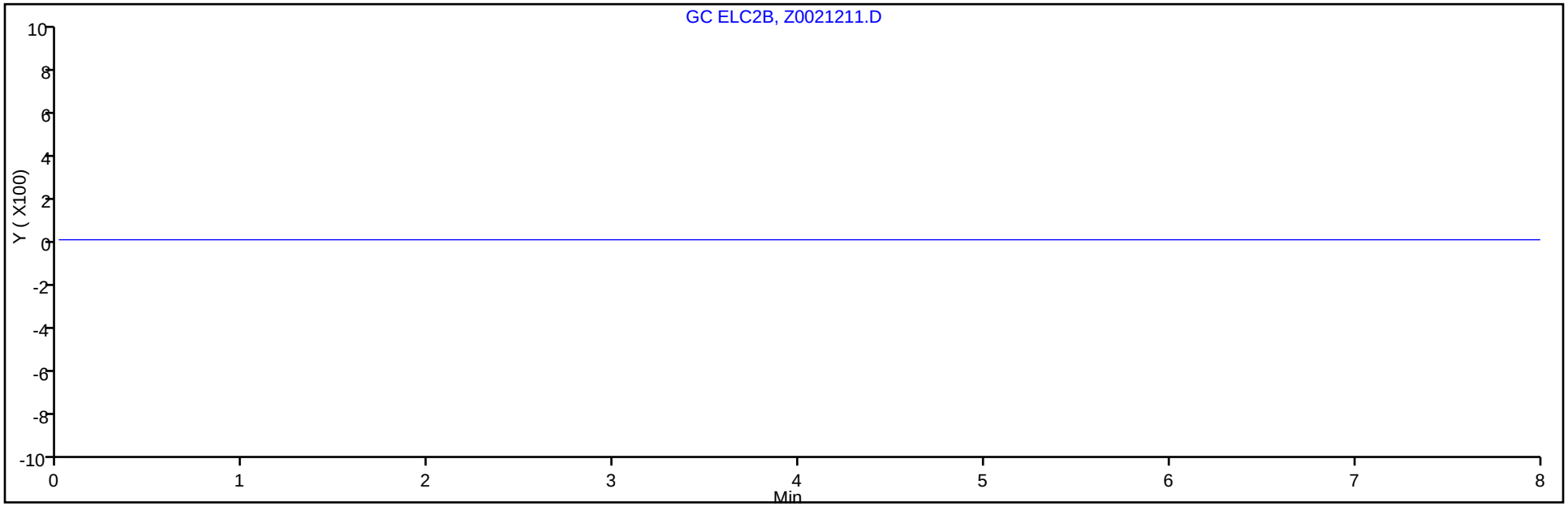
Report Date: 13-Feb-2013 09:07:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

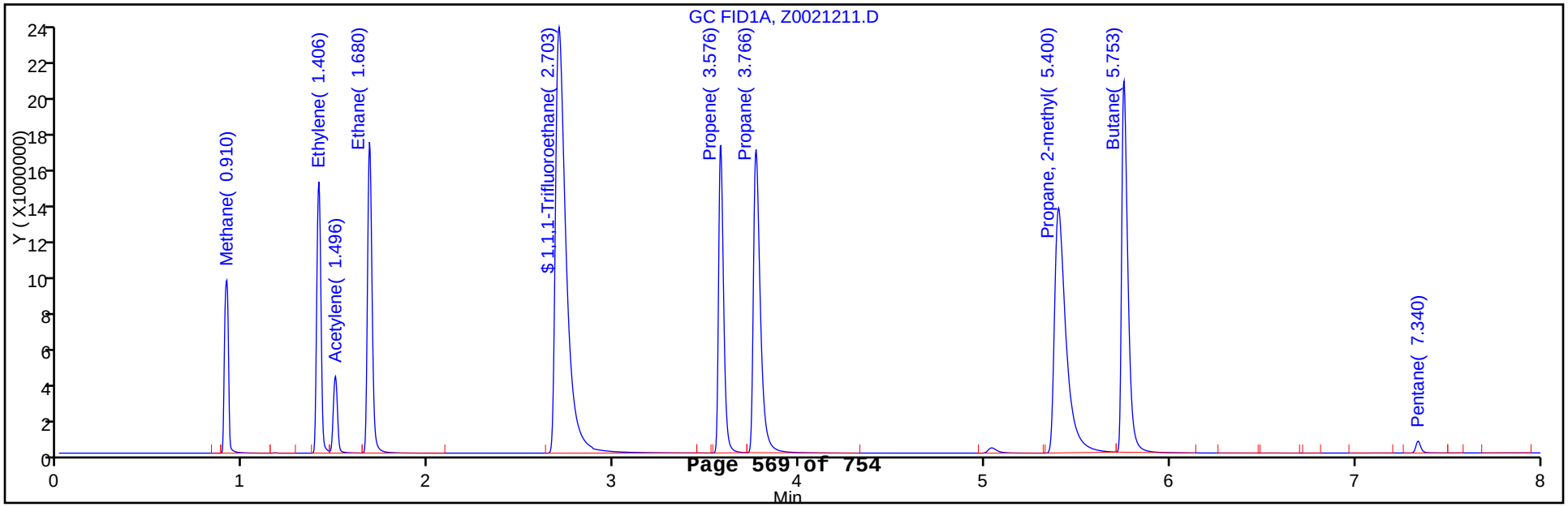
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021211.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 17:34:45 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 11 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-75041/3

Matrix: Water Lab File ID: Z0021203.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 14:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 113 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021203.D
Lims ID: MB Client ID:
Inject. Date: 12-Feb-2013 14:11:32 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017292-003
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | | 0.910 | | | | |
| 4 Ethylene | | | | | | 1 |
| 2 | | 1.406 | | | | |
| 5 Acetylene | | | | | | 1 |
| 2 | | 1.496 | | | | |
| 6 Ethane | | | | | | 1 |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.704 | 2.703 | 0.001 | 112406350 | 2965.7 | |
| 8 Propene | | | | | | 1 |
| 2 | | 3.576 | | | | |
| 9 Propane | | | | | | |
| 2 | | 3.766 | | | | |
| 10 Propane, 2-methyl | | | | | | 1 |
| 2 | | 5.400 | | | | |
| 11 Butane | | | | | | |
| 2 | 5.774 | 5.753 | 0.021 | 2447 | 1.74 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| $ 3 Nitrous Oxide (Surr) | | | | | | 1 |
| 1 | | 6.804 | | | | |
| 12 Pentane | | | | | | |
| 2 | | 7.340 | | | | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

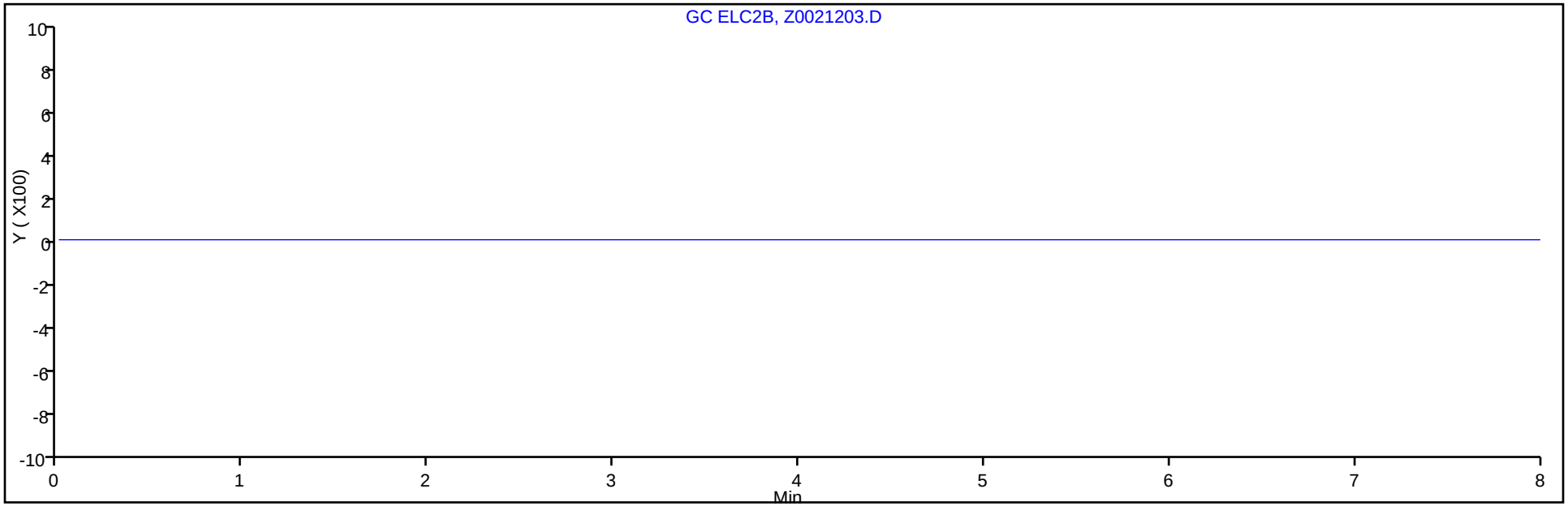
Report Date: 13-Feb-2013 09:07:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

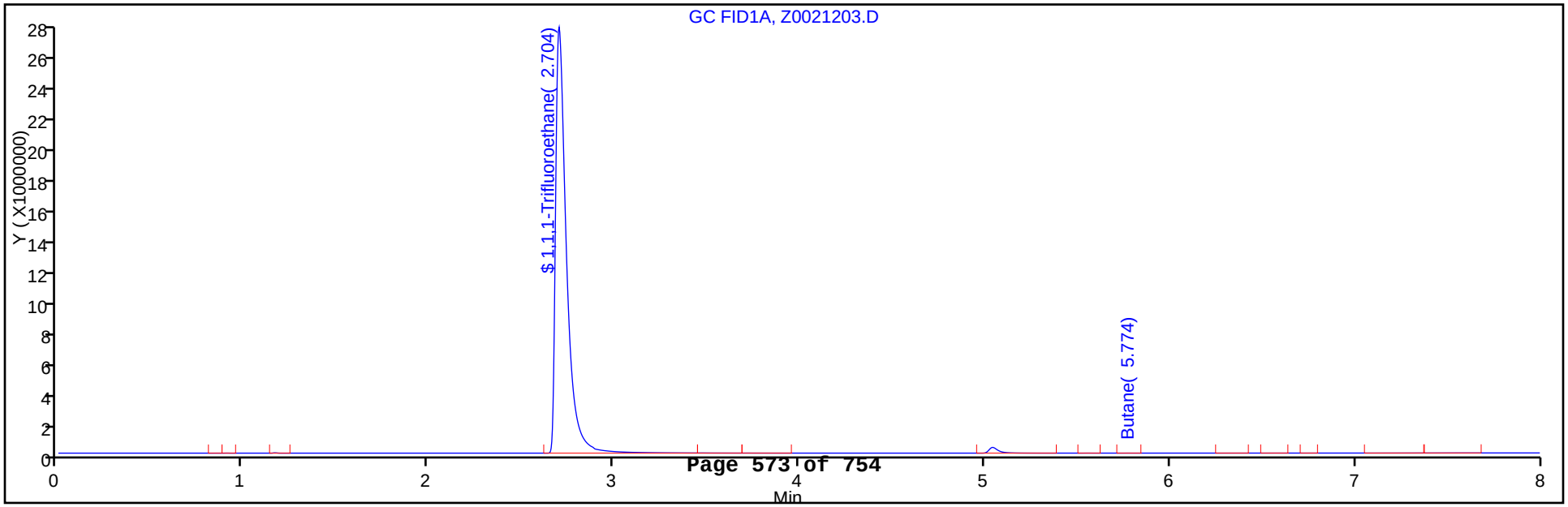
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021203.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 14:11:32 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 3 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-75041/4

Matrix: Water Lab File ID: Z0021204.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 14:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 108 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 220 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 209 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 110 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021204.D
Lims ID: LCS Client ID:
Inject. Date: 12-Feb-2013 14:23:46 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017292-004
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 4
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.910 | -0.001 | 12160594 | 108.2 | |
| 4 Ethylene | | | | | | |
| 2 | 1.409 | 1.406 | 0.003 | 19650802 | 208.8 | |
| 5 Acetylene | | | | | | |
| 2 | 1.495 | 1.496 | -0.001 | 5853573 | 216.7 | |
| 6 Ethane | | | | | | |
| 2 | 1.682 | 1.680 | 0.002 | 22620043 | 219.6 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.702 | 2.703 | -0.001 | 101947606 | 2689.8 | |
| 8 Propene | | | | | | |
| 2 | 3.579 | 3.576 | 0.003 | 27231711 | 320.1 | |
| 9 Propane | | | | | | |
| 2 | 3.772 | 3.766 | 0.006 | 33171471 | 325.7 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.402 | 5.400 | 0.002 | 43838110 | 437.6 | |
| 11 Butane | | | | | | |
| 2 | 5.755 | 5.753 | 0.002 | 38957045 | 367.4 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.329 | 7.340 | -0.011 | 33914741 | 899.1 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

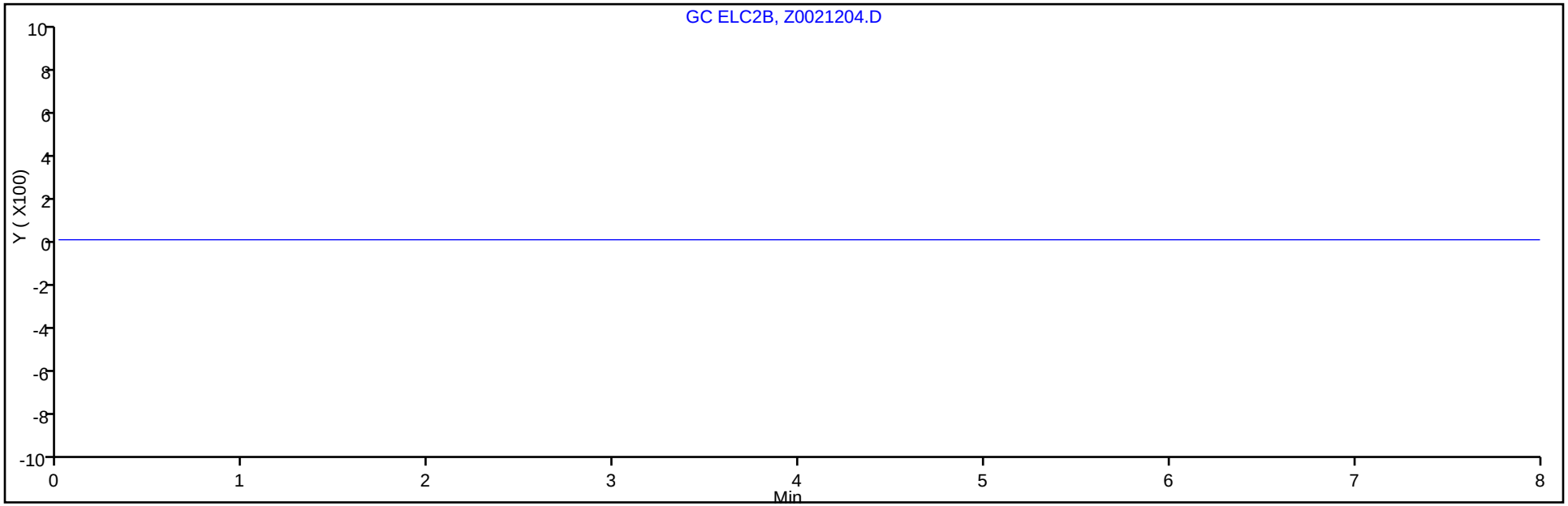
Report Date: 13-Feb-2013 09:07:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

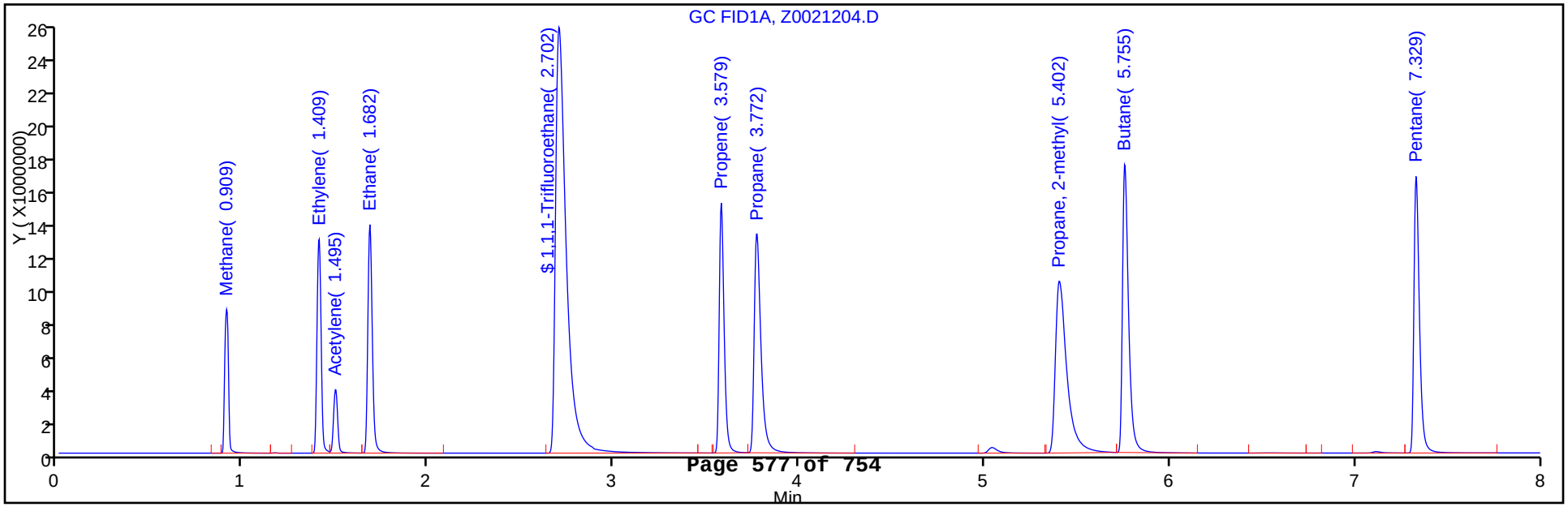
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021204.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 14:23:46 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 4 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 MS Lab Sample ID: 240-20760-12 MS

Matrix: Water Lab File ID: Z0021209.D

Analysis Method: RSK-175 Date Collected: 02/06/2013 14:55

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 17:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 109 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 202 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 193 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 106 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021209.D
Lims ID: 240-20760-P-12 MS Client ID: OW-5
Inject. Date: 12-Feb-2013 17:10:18 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0017292-009
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 9
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.908 | 0.910 | -0.002 | 12197502 | 108.5 | |
| 4 Ethylene | | | | | | |
| 2 | 1.408 | 1.406 | 0.002 | 18162915 | 193.0 | |
| 5 Acetylene | | | | | | |
| 2 | 1.495 | 1.496 | -0.001 | 5880341 | 217.7 | |
| 6 Ethane | | | | | | |
| 2 | 1.681 | 1.680 | 0.001 | 20792628 | 201.9 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.705 | 2.703 | 0.002 | 97833309 | 2581.2 | |
| 8 Propene | | | | | | |
| 2 | 3.578 | 3.576 | 0.002 | 25416182 | 298.8 | |
| 9 Propane | | | | | | |
| 2 | 3.771 | 3.766 | 0.005 | 30565780 | 300.1 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.405 | 5.400 | 0.005 | 40357399 | 402.9 | |
| 11 Butane | | | | | | |
| 2 | 5.758 | 5.753 | 0.005 | 35976484 | 339.4 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.328 | 7.340 | -0.012 | 32502283 | 861.7 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

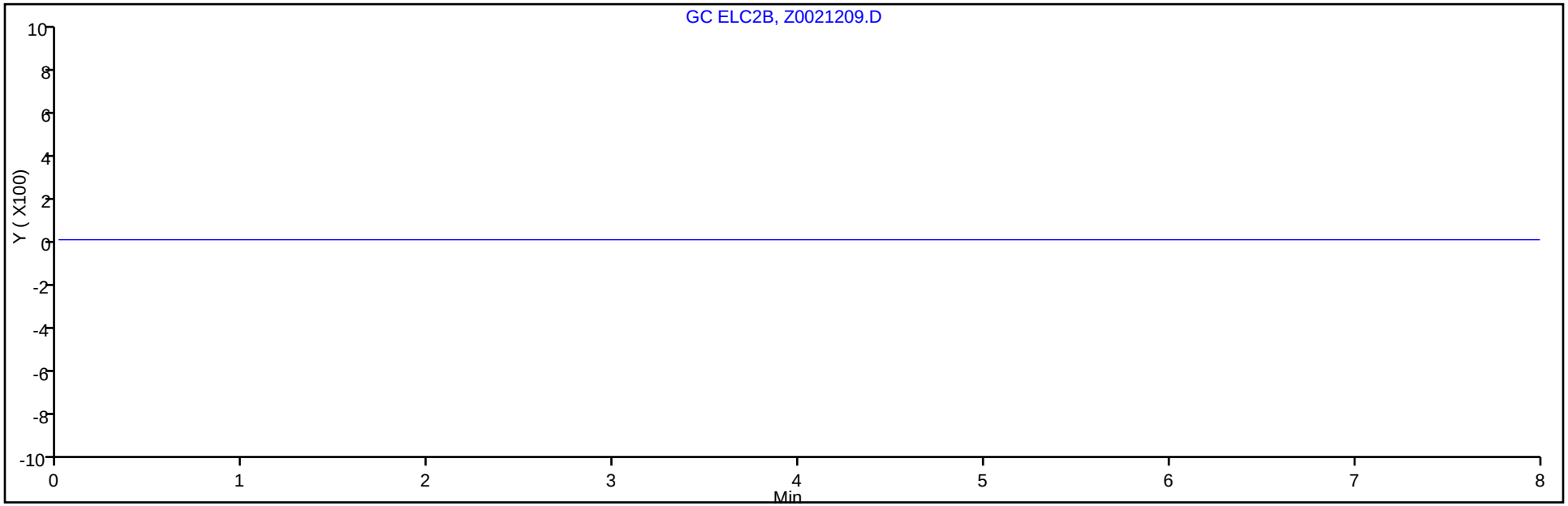
Report Date: 13-Feb-2013 09:07:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

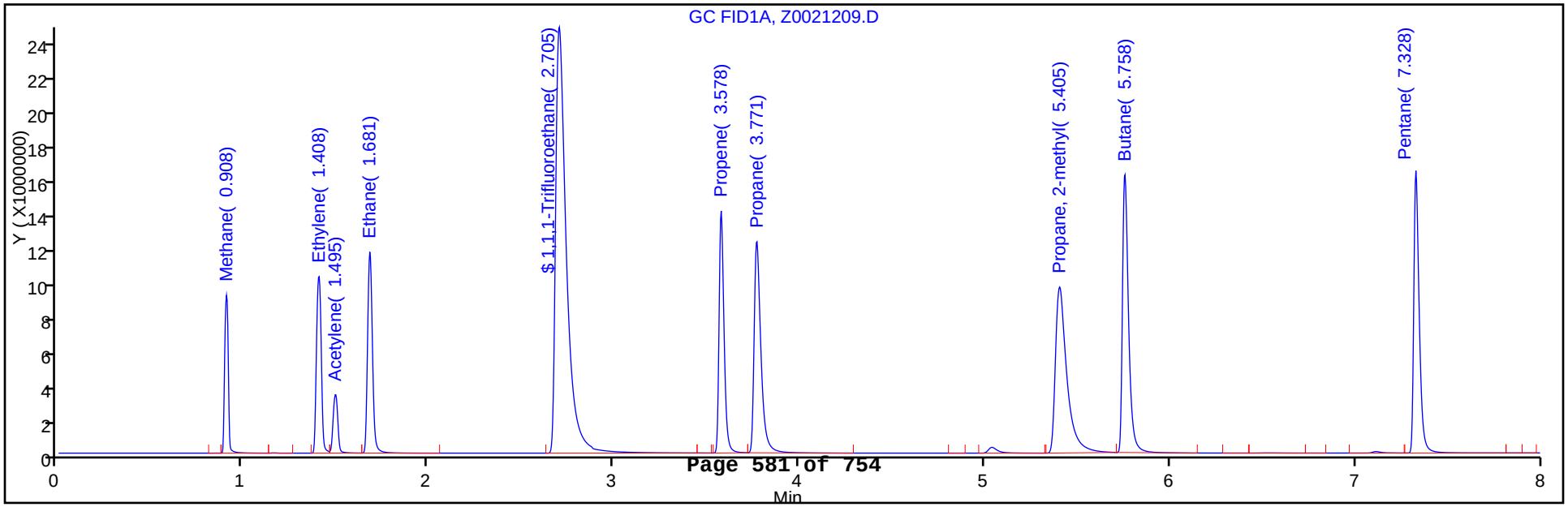
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021209.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 17:10:18 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-5 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 9 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Client Sample ID: OW-5 MSD Lab Sample ID: 240-20760-12 MSD

Matrix: Water Lab File ID: Z0021210.D

Analysis Method: RSK-175 Date Collected: 02/06/2013 14:55

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 17:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 118 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 216 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 204 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 108 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021210.D
Lims ID: 240-20760-P-12 MSD Client ID: OW-5
Inject. Date: 12-Feb-2013 17:22:31 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0017292-010
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 10
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.910 | 0.000 | 13296790 | 118.3 | |
| 4 Ethylene | | | | | | |
| 2 | 1.406 | 1.406 | 0.000 | 19240560 | 204.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.496 | 1.496 | 0.000 | 5992264 | 221.8 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.680 | 0.000 | 22204176 | 215.6 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 99708987 | 2630.7 | |
| 8 Propene | | | | | | |
| 2 | 3.576 | 3.576 | 0.000 | 26682781 | 313.6 | |
| 9 Propane | | | | | | |
| 2 | 3.770 | 3.766 | 0.004 | 32473397 | 318.8 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.400 | 0.003 | 42802141 | 427.3 | |
| 11 Butane | | | | | | |
| 2 | 5.756 | 5.753 | 0.003 | 38159642 | 359.9 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.326 | 7.340 | -0.014 | 34521485 | 915.2 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

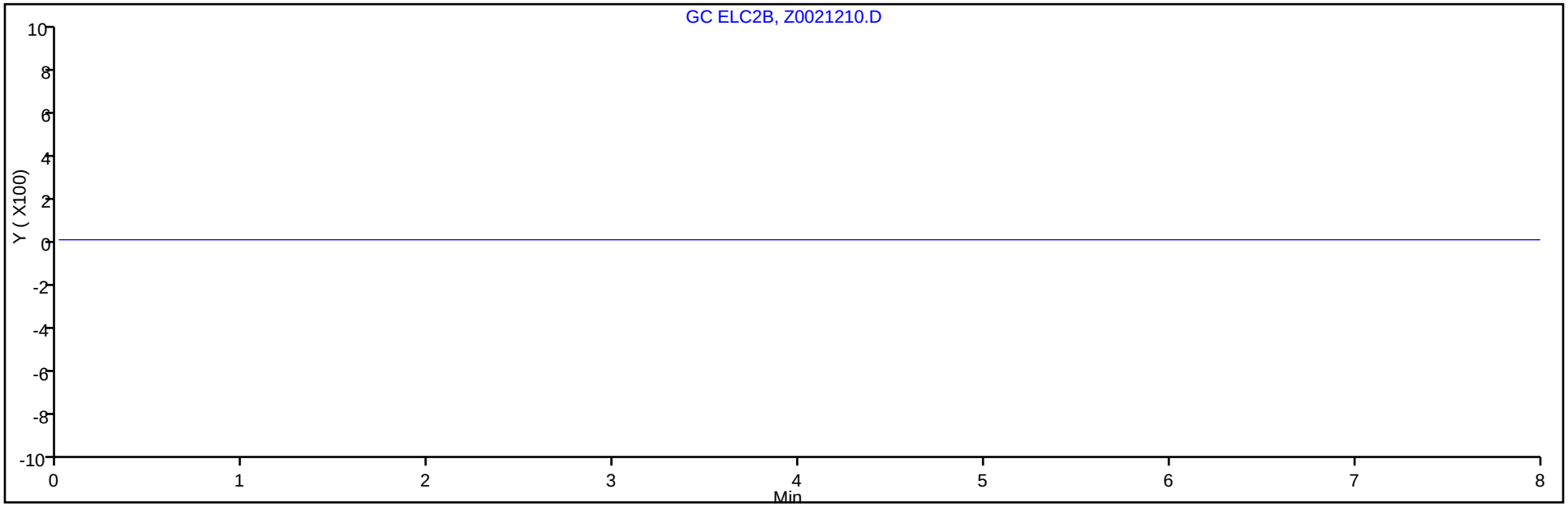
Report Date: 13-Feb-2013 09:07:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

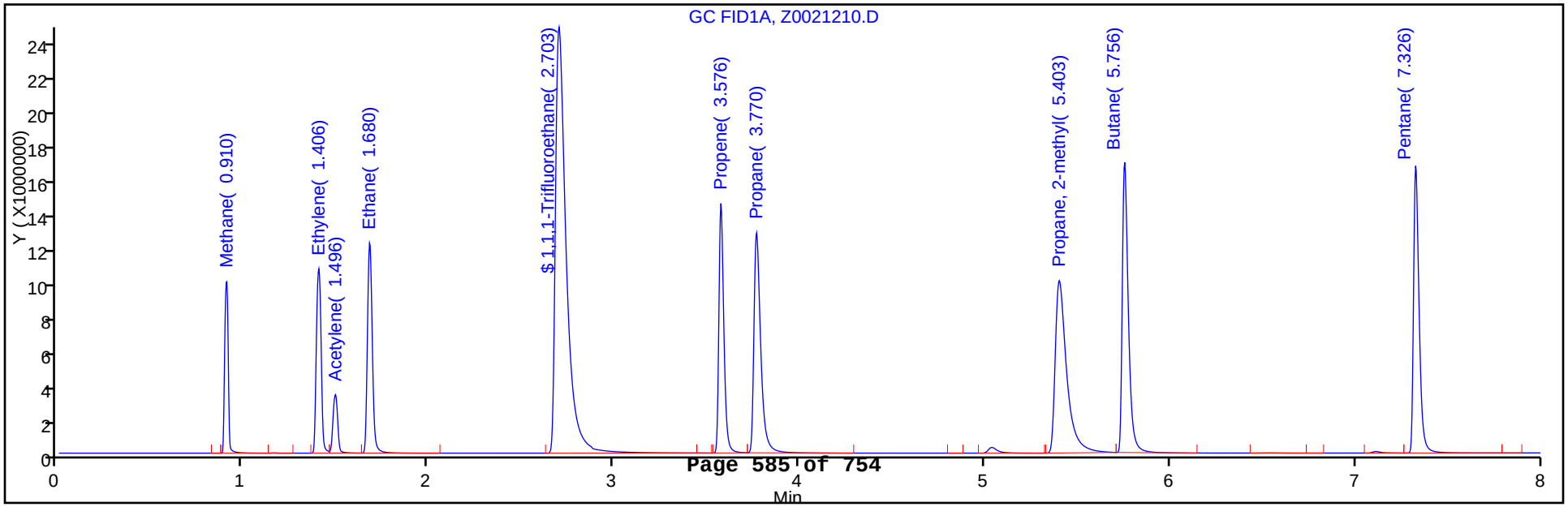
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021210.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 17:22:31 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-5 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 10 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: ZPID Start Date: 01/18/2013 15:20

Analysis Batch Number: 72560 End Date: 01/18/2013 17:10

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| STD1 240-72560/2 IC | | 01/18/2013 15:20 | 1 | Z0011802.D | |
| STD2 240-72560/3 IC | | 01/18/2013 15:32 | 1 | Z0011803.D | |
| STD3 240-72560/4 IC | | 01/18/2013 15:44 | 1 | Z0011804.D | |
| STD4 240-72560/5 IC | | 01/18/2013 15:57 | 1 | Z0011805.D | |
| STD5 240-72560/6 IC | | 01/18/2013 16:09 | 1 | Z0011806.D | |
| STD6 240-72560/7 ICRT | | 01/18/2013 16:21 | 1 | Z0011807.D | |
| STD7 240-72560/8 IC | | 01/18/2013 16:33 | 1 | Z0011808.D | |
| STD8 240-72560/9 IC | | 01/18/2013 16:45 | 1 | Z0011809.D | |
| STD9 240-72560/10 IC | | 01/18/2013 16:58 | 1 | Z0011810.D | |
| ICV 240-72560/11 | | 01/18/2013 17:10 | 1 | Z0011811.D | |

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: ZPID Start Date: 02/12/2013 13:59

Analysis Batch Number: 75041 End Date: 02/13/2013 00:42

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| CCVRT 240-75041/2 | | 02/12/2013 13:59 | 1 | Z0021202.D | |
| MB 240-75041/3 | | 02/12/2013 14:11 | 1 | Z0021203.D | |
| LCS 240-75041/4 | | 02/12/2013 14:23 | 1 | Z0021204.D | |
| ZZZZZ | | 02/12/2013 16:21 | 3 | | |
| ZZZZZ | | 02/12/2013 16:33 | 3 | | |
| ZZZZZ | | 02/12/2013 16:45 | 5 | | |
| 240-20760-12 | OW-5 | 02/12/2013 16:58 | 1 | Z0021208.D | |
| 240-20760-12 MS | OW-5 MS | 02/12/2013 17:10 | 1 | Z0021209.D | |
| 240-20760-12 MSD | OW-5 MSD | 02/12/2013 17:22 | 1 | Z0021210.D | |
| CCV 240-75041/11 | | 02/12/2013 17:34 | 1 | Z0021211.D | |
| 240-20760-8 | OW-2 | 02/12/2013 17:46 | 1 | Z0021212.D | |
| 240-20760-10 | OW-6 | 02/12/2013 17:59 | 1 | Z0021213.D | |
| 240-20760-11 | OW-8 | 02/12/2013 18:11 | 1 | Z0021214.D | |
| ZZZZZ | | 02/12/2013 18:23 | 1 | | |
| ZZZZZ | | 02/12/2013 18:35 | 1 | | |
| ZZZZZ | | 02/12/2013 18:48 | 1 | | |
| ZZZZZ | | 02/12/2013 19:00 | 1 | | |
| ZZZZZ | | 02/12/2013 19:12 | 1 | | |
| ZZZZZ | | 02/12/2013 19:24 | 1 | | |
| ZZZZZ | | 02/12/2013 19:36 | 1 | | |
| ZZZZZ | | 02/12/2013 19:49 | 1 | | |
| ZZZZZ | | 02/12/2013 20:01 | 1 | | |
| ZZZZZ | | 02/12/2013 20:13 | 1 | | |
| ZZZZZ | | 02/12/2013 20:25 | 1 | | |
| ZZZZZ | | 02/12/2013 20:38 | 1 | | |
| ZZZZZ | | 02/12/2013 20:50 | 1 | | |
| ZZZZZ | | 02/12/2013 21:02 | 1 | | |
| ZZZZZ | | 02/12/2013 21:14 | 1 | | |
| ZZZZZ | | 02/12/2013 21:27 | 1 | | |
| ZZZZZ | | 02/12/2013 21:39 | 1 | | |
| ZZZZZ | | 02/12/2013 21:51 | 1 | | |
| ZZZZZ | | 02/12/2013 22:03 | 1 | | |
| ZZZZZ | | 02/12/2013 22:15 | 1 | | |
| ZZZZZ | | 02/12/2013 22:28 | 1 | | |
| ZZZZZ | | 02/12/2013 22:40 | 1 | | |
| ZZZZZ | | 02/12/2013 22:52 | 1 | | |
| ZZZZZ | | 02/12/2013 23:04 | 1 | | |
| ZZZZZ | | 02/12/2013 23:17 | 1 | | |
| ZZZZZ | | 02/12/2013 23:29 | 1 | | |
| ZZZZZ | | 02/12/2013 23:41 | 1 | | |
| ZZZZZ | | 02/12/2013 23:53 | 1 | | |
| ZZZZZ | | 02/13/2013 00:05 | 1 | | |
| ZZZZZ | | 02/13/2013 00:18 | 1 | | |
| ZZZZZ | | 02/13/2013 00:30 | 1 | | |
| ZZZZZ | | 02/13/2013 00:42 | 1 | | |

RSK-175

# GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG No.:

Project: CARROLL & DUBIES SF

| Client Sample ID | Lab Sample ID |
|---|---|
| SED-2 | 240-20760-4 |
| SED-1 | 240-20760-5 |
| SED-DUP | 240-20760-6 |
| OW-2 | 240-20760-8 |
| OW-6 | 240-20760-10 |
| OW-8 | 240-20760-11 |
| OW-5 | 240-20760-12 |

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-2 Lab Sample ID: 240-20760-8

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG ID.:

Matrix: Water Date Sampled: 02/06/2013 09:55

Reporting Basis: WET Date Received: 02/07/2013 09:20

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 1.8 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 52 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | 6.1 | 0.10 | 0.023 | mg/L | | | 1 | 300.0 |
| 14808-79-8 | Sulfate | 22 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | ND | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-6 Lab Sample ID: 240-20760-10

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG ID.:

Matrix: Water Date Sampled: 02/06/2013 11:35

Reporting Basis: WET Date Received: 02/07/2013 09:20

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 1.2 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 38 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | 1.0 | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | 0.34 | 0.10 | 0.023 | mg/L | | | 1 | 300.0 |
| 14808-79-8 | Sulfate | 21 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | ND | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-8 Lab Sample ID: 240-20760-11

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG ID.:

Matrix: Water Date Sampled: 02/06/2013 13:35

Reporting Basis: WET Date Received: 02/07/2013 09:20

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 1.5 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 50 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | ND | 0.10 | 0.023 | mg/L | | | 1 | 300.0 |
| 14808-79-8 | Sulfate | 17 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | ND | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-5 Lab Sample ID: 240-20760-12

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG ID.:

Matrix: Water Date Sampled: 02/06/2013 14:55

Reporting Basis: WET Date Received: 02/07/2013 09:20

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 16 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 120 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | 0.57 | 0.10 | 0.023 | mg/L | | | 1 | 300.0 |
| 14808-79-8 | Sulfate | 42 | 25 | 3.5 | mg/L | | | 5 | 375.4 |
| 7440-44-0 | Total Organic Carbon | ND | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Analyst: JK  Batch Start Date: 02/20/2013

Reporting Units: mg/L  Analytical Batch No.: 75974

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 3 | CCV | 08:24 | Chloride | 24.9 | 25.0 | 99 | 90-110 | | WCCLCCV.1_00060 |
| 4 | CCB | 08:24 | Chloride | ND | | | | | |
| 6 | CCV | 08:24 | Chloride | 24.8 | 25.0 | 99 | 90-110 | | WCCLCCV.1_00060 |
| 7 | CCB | 08:24 | Chloride | ND | | | | | |
| 9 | CCV | 08:33 | Chloride | 24.9 | 25.0 | 99 | 90-110 | | WCCLCCV.1_00060 |
| 10 | CCB | 08:33 | Chloride | ND | | | | | |
| 11 | CCV | 12:46 | Chloride | 26.0 | 25.0 | 104 | 90-110 | | WCCLCCV.1_00060 |
| 12 | CCB | 12:46 | Chloride | ND | | | | | |
| 23 | CCV | 12:48 | Chloride | 25.9 | 25.0 | 103 | 90-110 | | WCCLCCV.1_00060 |
| 24 | CCB | 12:48 | Chloride | ND | | | | | |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Analyst: LG  Batch Start Date: 12/13/2012

Reporting Units: mg/L  Analytical Batch No.: 68462

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 13 | ICV | 09:29 | Nitrate as N | 2.56 | 2.50 | 102 | 90-110 | | WCICLCS_00144 |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Analyst: LG  Batch Start Date: 02/07/2013

Reporting Units: mg/L  Analytical Batch No.: 74666

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 1 | CCV | 17:05 | Nitrate as N | 2.69 | 2.50 | 108 | 90-110 | | WCICCCV_00236 |
| 2 | CCB | 17:21 | Nitrate as N | ND | | | | | |
| 13 | CCV | 20:21 | Nitrate as N | 2.62 | 2.50 | 105 | 90-110 | | WCICCCV_00236 |
| 14 | CCB | 20:38 | Nitrate as N | ND | | | | | |
| 25 | CCV | 23:38 | Nitrate as N | 2.75 | 2.50 | 110 | 90-110 | | WCICCCV_00236 |
| 26 | CCB | 23:55 | Nitrate as N | ND | | | | | |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Analyst: JB  Batch Start Date: 02/14/2013

Reporting Units: mg/L  Analytical Batch No.: 75355

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 11 | CCV | 10:12 | Sulfate | 26.4 | | | | | |
| 12 | CCB | 10:12 | Sulfate | ND | | | | | |
| 16 | CCV | 10:15 | Sulfate | 26.4 | | | | | |
| 17 | CCB | 10:15 | Sulfate | ND | | | | | |
| 19 | CCV | 10:19 | Sulfate | 26.4 | | | | | |
| 20 | CCB | 10:19 | Sulfate | ND | | | | | |
| 23 | CCV | 10:40 | Sulfate | 25.9 | | | | | |
| 24 | CCB | 10:40 | Sulfate | ND | | | | | |
| 29 | CCV | 10:43 | Sulfate | 25.9 | | | | | |
| 30 | CCB | 10:43 | Sulfate | ND | | | | | |
| 35 | CCV | 11:01 | Sulfate | 25.8 | | | | | |
| 36 | CCB | 11:01 | Sulfate | ND | | | | | |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Analyst: TH  Batch Start Date: 02/14/2013

Reporting Units: mg/L  Analytical Batch No.: 75428

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 1 | CCV | 16:23 | Total Organic Carbon | 24.4 | 25.0 | 98 | 90-110 | | WC TOC CCV_00119 |
| 2 | CCB | 16:33 | Total Organic Carbon | ND | | | | | |
| 12 | CCV | 18:22 | Total Organic Carbon | 24.7 | 25.0 | 99 | 90-110 | | WC TOC CCV_00119 |
| 13 | CCB | 18:33 | Total Organic Carbon | ND | | | | | |
| 16 | CCV | 19:05 | Total Organic Carbon | 24.4 | 25.0 | 98 | 90-110 | | WC TOC CCV_00119 |
| 17 | CCB | 19:16 | Total Organic Carbon | ND | | | | | |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Analyst: TH  Batch Start Date: 02/15/2013

Reporting Units: mg/L  Analytical Batch No.: 75518

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 1 | CCV | 08:26 | Total Organic Carbon | 24.9 | 25.0 | 100 | 90-110 | | WC TOC CCV_00119 |
| 2 | CCB | 08:37 | Total Organic Carbon | ND | | | | | |
| 13 | CCV | 10:36 | Total Organic Carbon | 25.8 | 25.0 | 103 | 90-110 | | WC TOC CCV_00119 |
| 14 | CCB | 10:47 | Total Organic Carbon | ND | | | | | |

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

| Method | Lab Sample ID | Analyte | Result | Qual | Units | RL | Dil |
|---|---|---|---|---|---|---|---|
| Batch ID: 74666 | Date: 02/07/2013 17:37 | | | | | | |
| 300.0 | MB 240-74666/3 | Nitrate as N | ND | | mg/L | 0.10 | 1 |
| Batch ID: 75366 | Date: 02/13/2013 18:54 | | | | | | |
| 310.1 | MB 240-75366/3 | Alkalinity | ND | | mg/L | 5.0 | 1 |
| Batch ID: 75974 | Date: 02/20/2013 08:24 | | | | | | |
| 325.2 | MB 240-75974/5 | Chloride | ND | | mg/L | 1.0 | 1 |
| Batch ID: 75355 | Date: 02/14/2013 10:19 | | | | | | |
| 375.4 | MB 240-75355/21 | Sulfate | ND | | mg/L | 5.0 | 1 |
| Batch ID: 75110 | Date: 02/12/2013 16:39 | | | | | | |
| 376.1 | MB 240-75110/1 | Sulfide | ND | | mg/L | 1.0 | 1 |
| Batch ID: 75428 | Date: 02/14/2013 16:44 | | | | | | |
| 415.1 | MB 240-75428/3 | Total Organic Carbon | ND | | mg/L | 1.0 | 1 |
| Batch ID: 75518 | Date: 02/15/2013 08:47 | | | | | | |
| 415.1 | MB 240-75518/3 | Total Organic Carbon | ND | | mg/L | 1.0 | 1 |

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 74666 | Date: 02/07/2013 21:11 | | | | | | | | | | |
| 300.0 | 240-20760-12 | Nitrate as N | 0.57 | | mg/L | | | | | | |
| 300.0 | 240-20760-12 MS | Nitrate as N | 3.48 | | mg/L | 2.50 | 116 | 80-120 | | | |
| Batch ID: 75366 | Date: 02/13/2013 23:09 | | | | | | | | | | |
| 310.1 | 240-20760-12 | Alkalinity | 120 | | mg/L | | | | | | |
| 310.1 | 240-20760-12 MS | Alkalinity | 533 | | mg/L | 500 | 82 | 10-160 | | | |
| Batch ID: 75974 | Date: 02/20/2013 12:46 | | | | | | | | | | |
| 325.2 | 240-20760-12 | Chloride | 16 | | mg/L | | | | | | |
| 325.2 | 240-20760-12 MS | Chloride | 42.2 | | mg/L | 25.0 | 105 | 52-143 | | | |
| Batch ID: 75355 | Date: 02/14/2013 10:40 | | | | | | | | | | |
| 375.4 | 240-20760-12 | Sulfate | 42 | | mg/L | | | | | | |
| 375.4 | 240-20760-12 MS | Sulfate | 73.5 | | mg/L | 25.0 | 128 | 22-151 | | | |
| Batch ID: 75110 | Date: 02/12/2013 17:00 | | | | | | | | | | |
| 376.1 | 240-20760-12 | Sulfide | ND | | mg/L | | | | | | |
| 376.1 | 240-20760-12 MS | Sulfide | 18.3 | | mg/L | 17.6 | 104 | 75-110 | | | |
| Batch ID: 75428 | Date: 02/14/2013 17:17 | | | | | | | | | | |
| 415.1 | 240-20760-12 | Total Organic Carbon | ND | | mg/L | | | | | | |
| 415.1 | 240-20760-12 MS | Total Organic Carbon | 25.0 | | mg/L | 25.0 | 100 | 72-136 | | | |
| Batch ID: 75518 | Date: 02/15/2013 09:20 | | | | | | | | | | |
| 415.1 | 240-20760-11 | Total Organic Carbon | ND | | mg/L | | | | | | |
| 415.1 | 240-20760-11 MS | Total Organic Carbon | 24.9 | | mg/L | 25.0 | 97 | 72-136 | | | |

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 74666 | Date: 02/07/2013 21:27 | | | | | | | | | | |
| 300.0 | 240-20760-12 MSD | Nitrate as N | 3.46 | | mg/L | 2.50 | 115 | 80-120 | 1 | 20 | |
| Batch ID: 75366 | Date: 02/13/2013 23:25 | | | | | | | | | | |
| 310.1 | 240-20760-12 MSD | Alkalinity | 551 | | mg/L | 500 | 85 | 10-160 | 3 | 24 | |
| Batch ID: 75974 | Date: 02/20/2013 12:46 | | | | | | | | | | |
| 325.2 | 240-20760-12 MSD | Chloride | 41.8 | | mg/L | 25.0 | 103 | 52-143 | 1 | 20 | |
| Batch ID: 75355 | Date: 02/14/2013 10:43 | | | | | | | | | | |
| 375.4 | 240-20760-12 MSD | Sulfate | 71.2 | | mg/L | 25.0 | 119 | 22-151 | 3 | 20 | |
| Batch ID: 75110 | Date: 02/12/2013 17:04 | | | | | | | | | | |
| 376.1 | 240-20760-12 MSD | Sulfide | 19.1 | | mg/L | 17.6 | 109 | 75-110 | 4 | 20 | |
| Batch ID: 75428 | Date: 02/14/2013 17:27 | | | | | | | | | | |
| 415.1 | 240-20760-12 MSD | Total Organic Carbon | 24.0 | | mg/L | 25.0 | 96 | 72-136 | 4 | 20 | |
| Batch ID: 75518 | Date: 02/15/2013 09:31 | | | | | | | | | | |
| 415.1 | 240-20760-11 MSD | Total Organic Carbon | 26.8 | | mg/L | 25.0 | 104 | 72-136 | 7 | 20 | |

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water

| Method | Client Sample ID | Lab Sample ID | Analyte | Result | Unit | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|
| Batch ID: 75366 | Date: 02/13/2013 22:45 | | | | | | | |
| 310.1 | OW-5 | 240-20760-12 | Alkalinity | 120 | mg/L | | | |
| 310.1 | OW-5 | 240-20760-12 DU | Alkalinity | 112 | mg/L | 11 | 20 | |

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Matrix: Water

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 74666 | Date: 02/07/2013 17:54 | | | | | | | | | | |
| | | | | | | LCS Source: WCICLCS_00159 | | | | | |
| 300.0 | LCS 240-74666/4 | Nitrate as N | 2.69 | | mg/L | 2.50 | 108 | 90-110 | | | |
| Batch ID: 75366 | Date: 02/13/2013 18:48 | | | | | | | | | | |
| | | | | | | LCS Source: WCPHENOMINER_00001 | | | | | |
| 310.1 | LCS 240-75366/2 | Alkalinity | 43.7 | | mg/L | 39.8 | 110 | 90-127 | | | |
| Batch ID: 75355 | Date: 02/14/2013 10:46 | | | | | | | | | | |
| | | | | | | LCS Source: WCWIBBYMINERA_00002 | | | | | |
| 375.4 | LCS 240-75355/31 | Sulfate | 95.7 | | mg/L | 91.1 | 105 | 80-112 | | | |
| Batch ID: 75110 | Date: 02/12/2013 16:43 | | | | | | | | | | |
| | | | | | | LCS Source: WCSULFIDELCS_00350 | | | | | |
| 376.1 | LCS 240-75110/2 | Sulfide | 18.0 | | mg/L | 17.6 | 102 | 79-110 | | | |
| Batch ID: 75428 | Date: 02/14/2013 16:55 | | | | | | | | | | |
| | | | | | | LCS Source: WC LCS_00005 | | | | | |
| 415.1 | LCS 240-75428/4 | Total Organic Carbon | 47.7 | | mg/L | 48.1 | 99 | 88-115 | | | |
| Batch ID: 75518 | Date: 02/15/2013 08:58 | | | | | | | | | | |
| | | | | | | LCS Source: WC LCS_00005 | | | | | |
| 415.1 | LCS 240-75518/4 | Total Organic Carbon | 48.1 | | mg/L | 48.1 | 100 | 88-115 | | | |

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 Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 325.2 MDL Date: 01/27/2010 17:21

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Chloride | | 1 | 0.27 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 325.2 XMDL Date: 01/27/2010 17:21

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Chloride | | 1 | 0.27 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: STEVE

Method: 310.1 MDL Date: 01/27/2010 17:29

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Alkalinity | | 5 | 2.7 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: STEVE

Method: 310.1 XMDL Date: 01/27/2010 17:29

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Alkalinity | | 5 | 2.7 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 376.1 MDL Date: 01/27/2010 15:47

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Sulfide | | 1 | 0.67 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 376.1 XMDL Date: 01/27/2010 15:48

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Sulfide | | 1 | 0.67 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: SIMON

Method: 300.0 MDL Date: 01/27/2010 17:40

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Nitrate as N | | 0.1 | 0.023 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: SIMON

Method: 300.0 XMDL Date: 01/27/2010 17:40

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Nitrate as N | | 0.1 | 0.023 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 375.4 MDL Date: 01/27/2010 16:24

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Sulfate | | 5 | 0.7 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 375.4 XMDL Date: 01/27/2010 16:24

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Sulfate | | 5 | 0.7 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: SPARKY

Method: 415.1 MDL Date: 01/27/2010 15:20

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Total Organic Carbon | | 1 | 0.24 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Water Instrument ID: SPARKY

Method: 415.1 XMDL Date: 01/27/2010 15:20

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Total Organic Carbon | | 1 | 0.24 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/28/2010 09:24

| Analyte | Wavelength/ Mass | RL (%) | |
|---|---|---|---|
| Percent Moisture | | 0.1 | |
| Percent Solids | | 0.1 | |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20760-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

| Analyte | Wavelength/ Mass | XRL (mg/L) | |
|---|---|---|---|
| Percent Moisture | | 10 | |
| Percent Solids | | 10 | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: BARNEY Method: 325.2

Start Date: 02/20/2013 08:00 End Date: 02/20/2013 14:34

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CL- | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/1 | | | 08:00 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/2 | | | 08:00 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/3 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/4 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75974/5 | 1 | T | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/6 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/7 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75974/8 | 5 | T | 08:32 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/9 | 1 | | 08:33 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/10 | 1 | | 08:33 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/11 | 1 | | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/12 | 1 | | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-8 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-10 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MS | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MSD | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/23 | 1 | | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/24 | 1 | | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/31 | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/32 | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:56 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/34 | | | 12:57 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/35 | | | 12:57 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/36 | | | 13:02 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/37 | | | 13:02 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/38 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/39 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/41 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/42 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: BARNEY Method: 325.2

Start Date: 02/20/2013 08:00 End Date: 02/20/2013 14:34

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CL- | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/43 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/44 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/46 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/47 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: STEVE Method: 310.1

Start Date: 02/13/2013 18:40 End Date: 02/14/2013 00:49

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alk | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:40 | | | | | | | | | | | | | | | | | | | | | |
| LCS 240-75366/2 | 1 | T | 18:48 | X | | | | | | | | | | | | | | | | | | | | |
| MB 240-75366/3 | 1 | T | 18:54 | X | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:57 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:40 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:47 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:57 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:07 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:16 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:26 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:35 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:45 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:55 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:04 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:07 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:17 | | | | | | | | | | | | | | | | | | | | | |
| 240-20760-8 | 1 | T | 22:24 | X | | | | | | | | | | | | | | | | | | | | |
| 240-20760-10 | 1 | T | 22:30 | X | | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 | 1 | T | 22:37 | X | | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 DU | 1 | T | 22:45 | X | | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 | 1 | T | 22:53 | X | | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MS | 1 | T | 23:09 | X | | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MSD | 1 | T | 23:25 | X | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:48 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:04 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:08 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:17 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:26 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:30 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:37 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:45 | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:49 | | | | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: NOEQUIP Method: 376.1

Start Date: 02/12/2013 16:39 End Date: 02/12/2013 17:11

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | S2 | | | | | | | | | | | | | | | | | | | |
| MB 240-75110/1 | 1 | T | 16:39 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75110/2 | 1 | T | 16:43 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-8 | 1 | T | 16:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-10 | 1 | T | 16:50 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 | 1 | T | 16:53 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 | 1 | T | 16:57 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MS | 1 | T | 17:00 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MSD | 1 | T | 17:04 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:11 | | | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: SIMON Method: 300.0

Start Date: 12/13/2012 06:12 End Date: 12/13/2012 09:45

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZZZZZZ | | | 06:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:28 | | | | | | | | | | | | | | | | | | | | |
| STD1 240-68462/3 IC | | | 06:45 | | | | | | | | | | | | | | | | | | | | |
| STD2 240-68462/4 IC | | | 07:01 | | | | | | | | | | | | | | | | | | | | |
| STD3 240-68462/5 IC | | | 07:17 | | | | | | | | | | | | | | | | | | | | |
| STD4 240-68462/6 IC | | | 07:34 | | | | | | | | | | | | | | | | | | | | |
| STD5 240-68462/7 ICRT | | | 07:50 | | | | | | | | | | | | | | | | | | | | |
| STD6 240-68462/8 IC | | | 08:07 | | | | | | | | | | | | | | | | | | | | |
| STD7 240-68462/9 IC | | | 08:23 | | | | | | | | | | | | | | | | | | | | |
| STD8 240-68462/10 IC | | | 08:39 | | | | | | | | | | | | | | | | | | | | |
| STD9 240-68462/11 IC | | | 08:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:12 | | | | | | | | | | | | | | | | | | | | |
| ICV 240-68462/13 | 1 | | 09:29 | | | | | | | | | | | | | | | | | | | | |
| ICB 240-68462/14 | | | 09:45 | | | | | | | | | | | | | | | | | | | | |

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: SIMON Method: 300.0

Start Date: 02/07/2013 17:05 End Date: 02/08/2013 06:12

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NO3 | | | | | | | | | | | | | | | | | | | |
| CCV 240-74666/1 | 1 | | 17:05 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-74666/2 | 1 | | 17:21 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-74666/3 | 1 | T | 17:37 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-74666/4 | 1 | T | 17:54 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-10 | 1 | T | 18:59 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 | 1 | T | 19:16 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-8 | 1 | T | 19:32 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:05 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-74666/13 | 1 | | 20:21 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-74666/14 | 1 | | 20:38 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 | 1 | T | 20:54 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MS | 1 | T | 21:11 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MSD | 1 | T | 21:27 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:22 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-74666/25 | 1 | | 23:38 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-74666/26 | 1 | | 23:55 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:11 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:06 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 02:39 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-74666/37 | | | 02:55 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-74666/38 | | | 03:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 03:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 04:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:07 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: SIMON Method: 300.0

Start Date: 02/07/2013 17:05 End Date: 02/08/2013 06:12

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NO3 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 05:39 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-74666/48 | | | 05:56 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-74666/49 | | | 06:12 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: BARNEY Method: 375.4

Start Date: 02/14/2013 09:35 End Date: 02/14/2013 12:24

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SO4 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/5 | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/7 | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/11 | 1 | | 10:12 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/12 | 1 | | 10:12 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-8 | 1 | T | 10:12 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-10 | 1 | T | 10:13 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 | 1 | T | 10:13 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/16 | 1 | | 10:15 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/17 | 1 | | 10:15 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:15 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/19 | 1 | | 10:19 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/20 | 1 | | 10:19 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75355/21 | 1 | T | 10:19 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:19 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/23 | 1 | | 10:40 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/24 | 1 | | 10:40 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 | 5 | T | 10:40 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MS | 5 | T | 10:40 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MSD | 5 | T | 10:43 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:43 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/29 | 1 | | 10:43 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/30 | 1 | | 10:43 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75355/31 | 5 | T | 10:46 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:46 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/35 | 1 | | 11:01 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/36 | 1 | | 11:01 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/37 | | | 11:38 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/38 | | | 11:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:39 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: BARNEY Method: 375.4

Start Date: 02/14/2013 09:35 End Date: 02/14/2013 12:24

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SO4 | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/43 | | | 11:49 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/44 | | | 11:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:49 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/46 | | | 11:50 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/47 | | | 11:50 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/48 | | | 12:18 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/49 | | | 12:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:20 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/52 | | | 12:24 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/53 | | | 12:24 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: SPARKY Method: 415.1

Start Date: 02/14/2013 16:23 End Date: 02/14/2013 19:16

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOC | | | | | | | | | | | | | | | | | | | |
| CCV 240-75428/1 | 1 | | 16:23 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75428/2 | 1 | | 16:33 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75428/3 | 1 | T | 16:44 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75428/4 | 2 | T | 16:55 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 | 1 | T | 17:06 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MS | 2 | T | 17:17 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-12 MSD | 2 | T | 17:27 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:38 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:11 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75428/12 | 1 | | 18:22 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75428/13 | 1 | | 18:33 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-8 | 1 | T | 18:44 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-10 | 1 | T | 18:55 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75428/16 | 1 | | 19:05 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75428/17 | 1 | | 19:16 | X | | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: SPARKY Method: 415.1

Start Date: 02/15/2013 08:26 End Date: 02/15/2013 14:02

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOC | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/1 | 1 | | 08:26 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/2 | 1 | | 08:37 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75518/3 | 1 | T | 08:47 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75518/4 | 2 | T | 08:58 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 | 1 | T | 09:09 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 MS | 2 | T | 09:20 | X | | | | | | | | | | | | | | | | | | | |
| 240-20760-11 MSD | 2 | T | 09:31 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/13 | 1 | | 10:36 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/14 | 1 | | 10:47 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:08 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:24 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:35 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/25 | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/26 | | | 12:57 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:08 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:40 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/31 | | | 13:51 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/32 | | | 14:02 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 02/08/2013 13:39 End Date: 02/08/2013 13:43

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | % Sol | Moist | | | | | | | | | | | | | | | | | | |
| 240-20760-4 DU | 1 | T | 13:39 | X | X | | | | | | | | | | | | | | | | | | |
| 240-20760-4 | 1 | T | 13:39 | X | X | | | | | | | | | | | | | | | | | | |
| 240-20760-5 | 1 | T | 13:39 | X | X | | | | | | | | | | | | | | | | | | |
| 240-20760-6 | 1 | T | 13:39 | X | X | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:43 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d | | |
| Lims ID: | STD1 | Client ID: | |
| Inject. Date: | 13-Dec-2012 06:45:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 1 |
| Sample ID: | 240-0015791-003 | | |
| Misc. Info.: | 3 STD1 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 3240-0015791-003 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:08 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:14:36 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 345981 | 0 | |
| 2 Chloride | 3.825 | 3.859 | -0.034 | 7974404 | 0 | |
| 3 Nitrite as N | 4.608 | 4.575 | 0.033 | 577797 | 0.0366 | |
| 4 Bromide | 5.900 | 5.809 | 0.091 | 504820 | 0 | |
| 5 Nitrate as N | 6.950 | 6.759 | 0.191 | 708579 | 0.0390 | M |
| 6 Orthophosphate | 9.025 | 8.959 | 0.066 | 562936 | 0.0699 | MA |
| 7 Sulfate | 11.233 | 11.142 | 0.091 | 5521761 | 0 | |

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

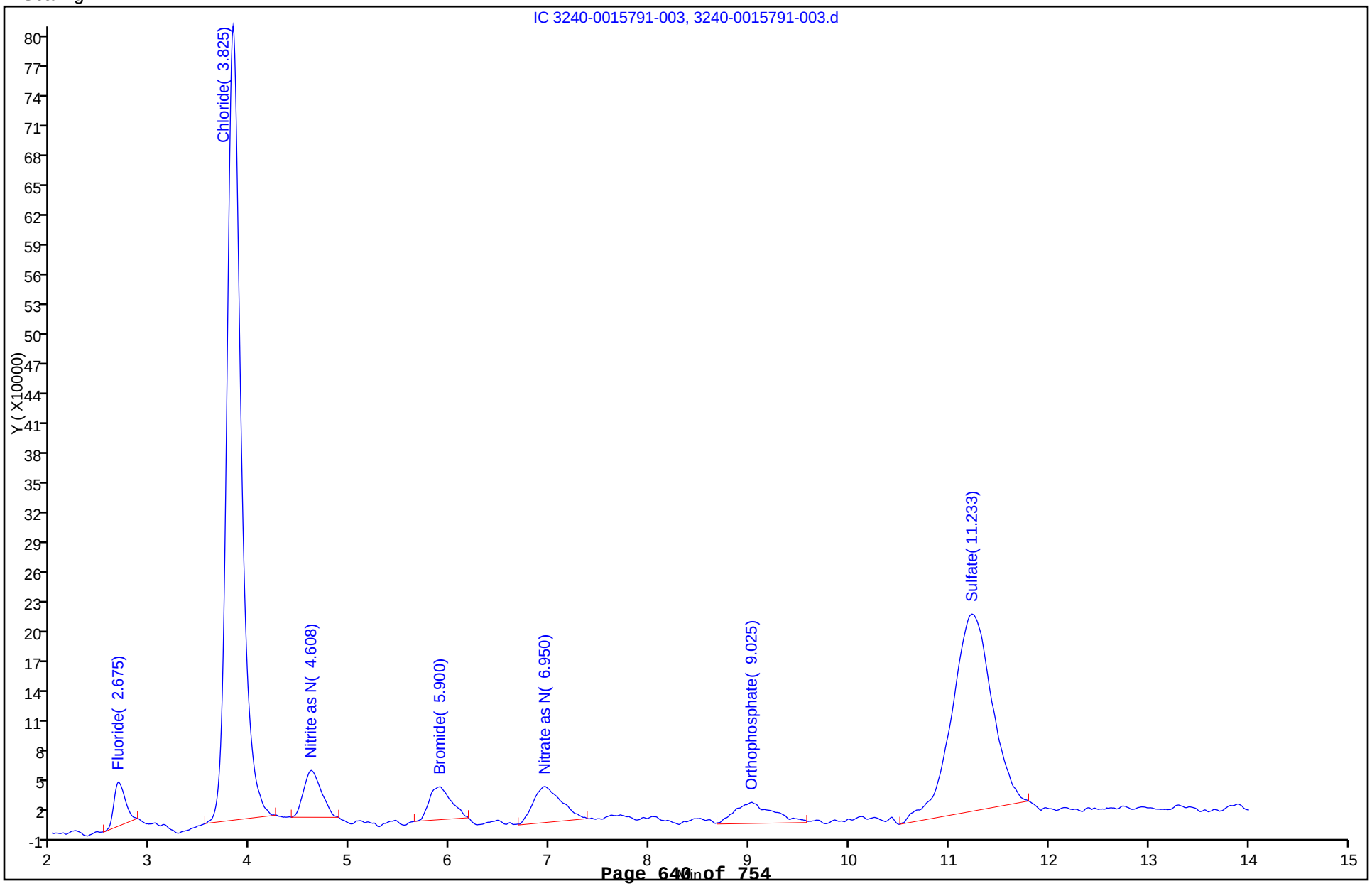
Report Date: 13-Dec-2012 16:49:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 06:45:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



Manual Integration/User Assign Peak Report

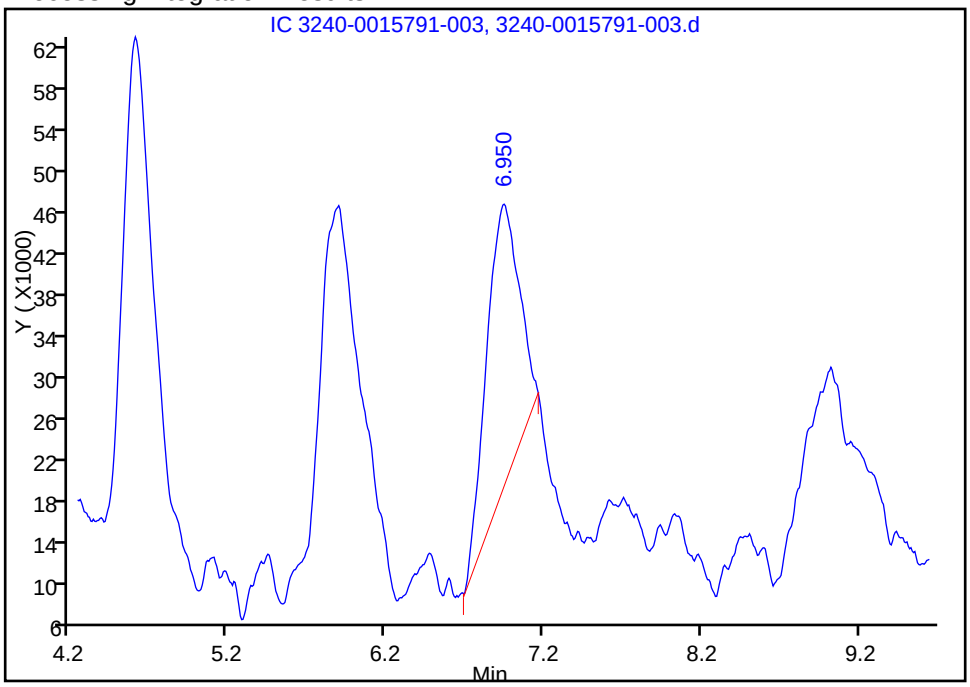
TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d | | |
| Injection Date: | 13-Dec-2012 06:45:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

5 Nitrate as N, Signal: 1, Type: quant, RT: 6.76

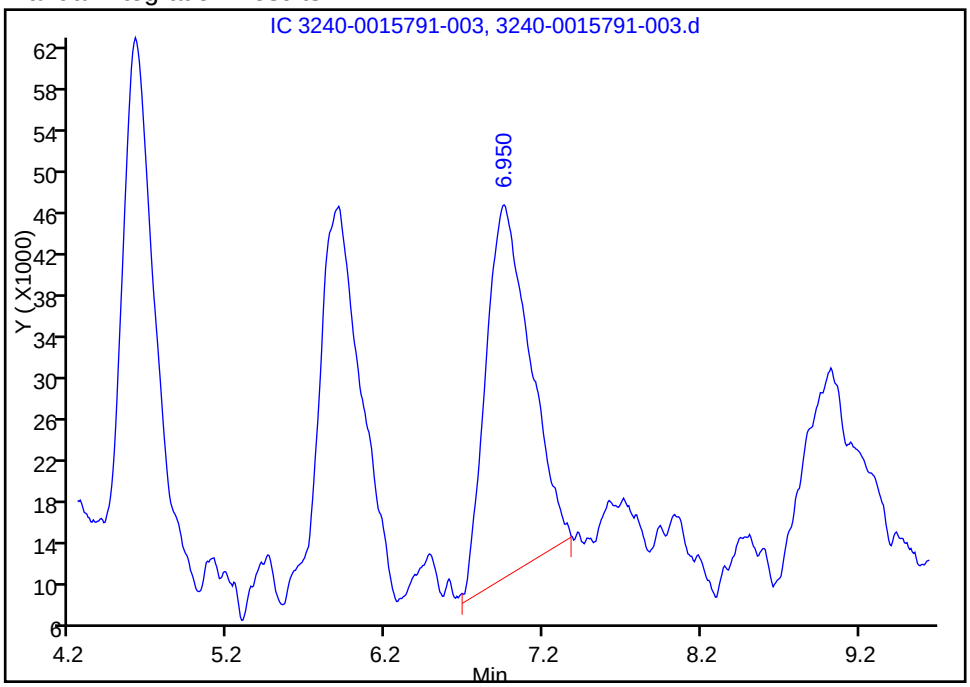
Processing Integration Results

RT: 6.95
Response: 397233
Amount: 0




Manual Integration Results

RT: 6.95
Response: 708579
Amount: 0.038980




Reviewer: grossmanl, 13-Dec-2012 15:28:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

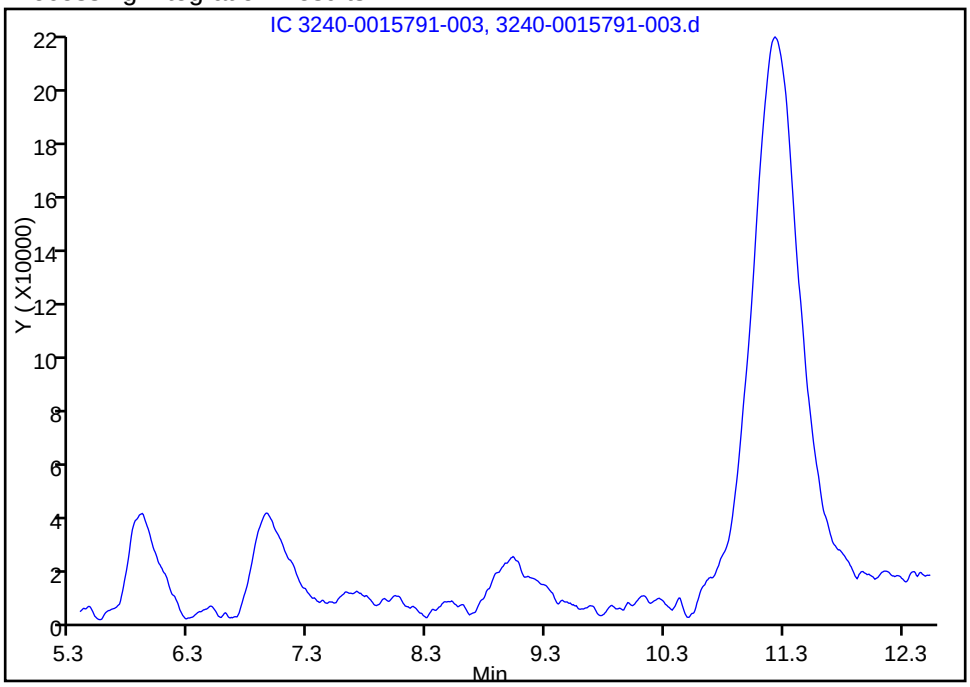
TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d | | |
| Injection Date: | 13-Dec-2012 06:45:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

6 Orthophosphate, Signal: 1, Type: quant, RT: 8.96

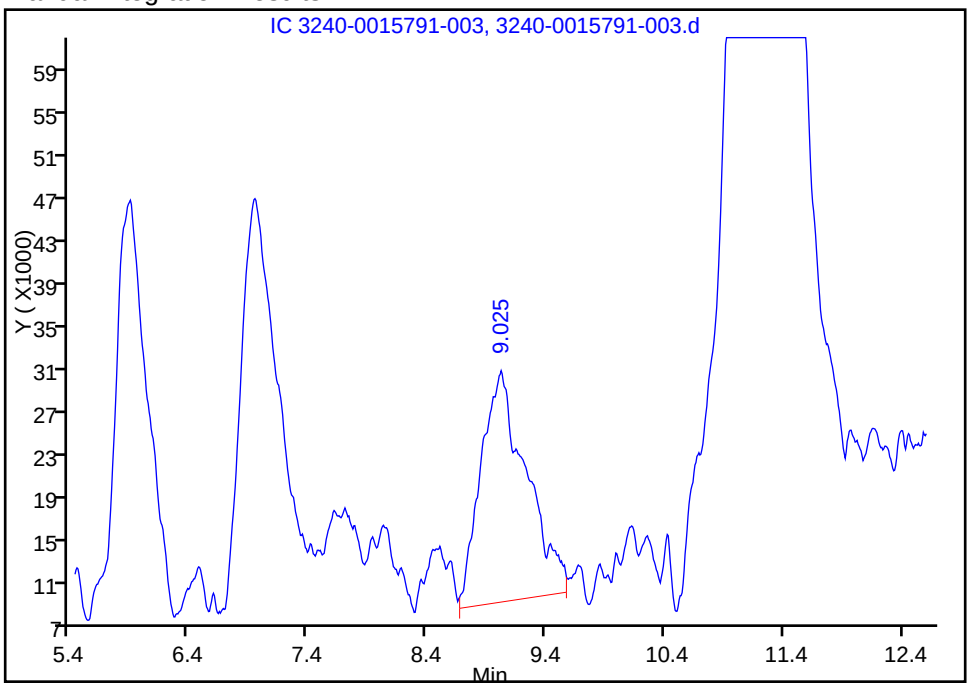
Not Detected
Expected RT: 8.96

Processing Integration Results




Manual Integration Results

RT: 9.03
Response: 562936
Amount: 0.069890




Reviewer: grossmanl, 13-Dec-2012 15:28:43
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\4240-0015791-004.d | | |
| Lims ID: | STD2 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:01:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 2 |
| Sample ID: | 240-0015791-004 | | |
| Misc. Info.: | 4 STD2 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 4 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 4240-0015791-004 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:09 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:02 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 2557979 | 0 | |
| 2 Chloride | 3.825 | 3.859 | -0.034 | 41336898 | 0 | |
| 3 Nitrite as N | 4.592 | 4.575 | 0.017 | 3728713 | 0.2360 | |
| 4 Bromide | 5.859 | 5.809 | 0.050 | 2784179 | 0 | |
| 5 Nitrate as N | 6.884 | 6.759 | 0.125 | 3905579 | 0.2149 | |
| 6 Orthophosphate | 8.959 | 8.959 | 0.0 | 1728444 | 0.2146 | |
| 7 Sulfate | 11.209 | 11.142 | 0.067 | 28091623 | 0 | |

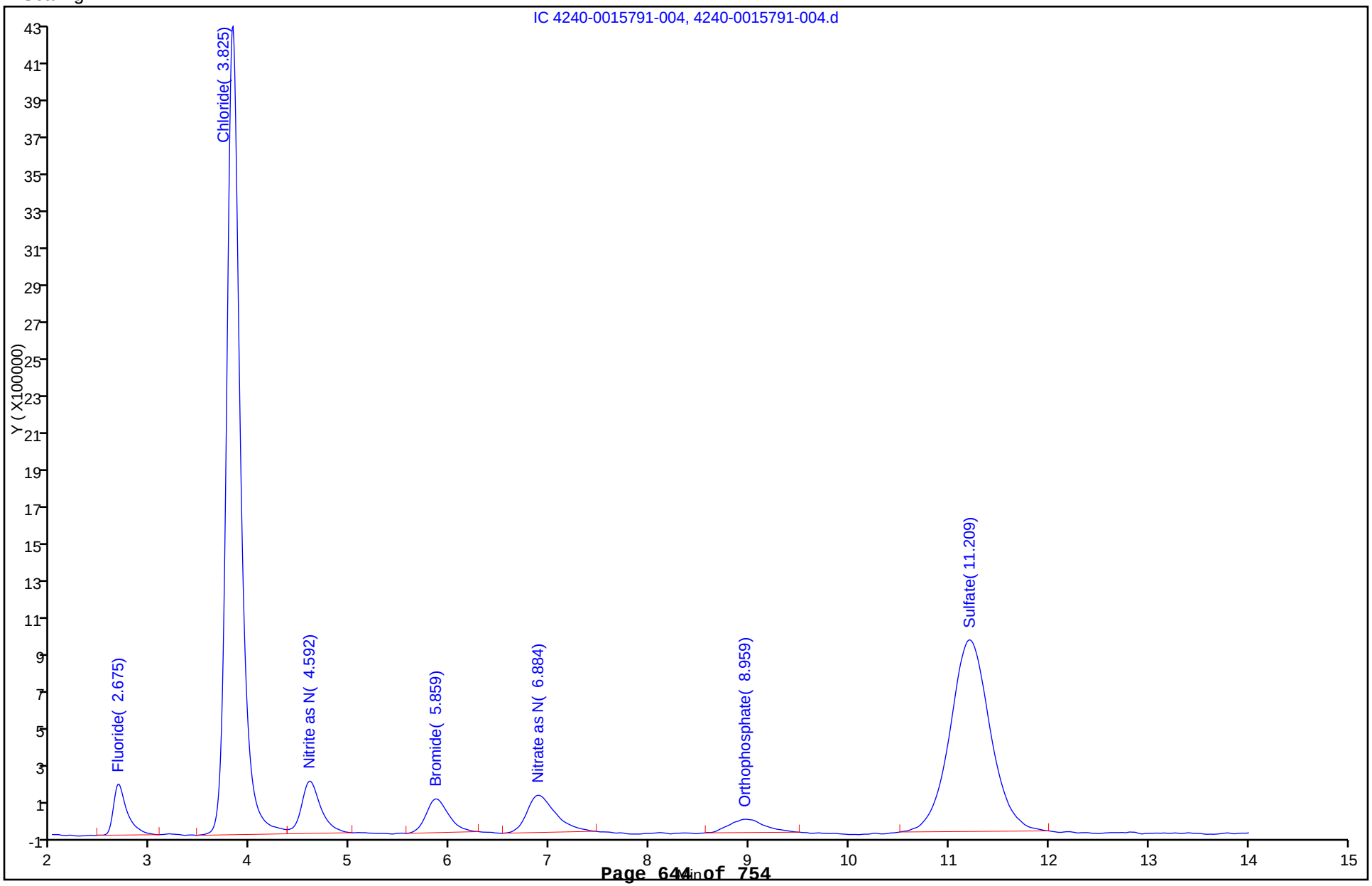
Report Date: 13-Dec-2012 16:49:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\4240-0015791-004.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 07:01:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 4 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

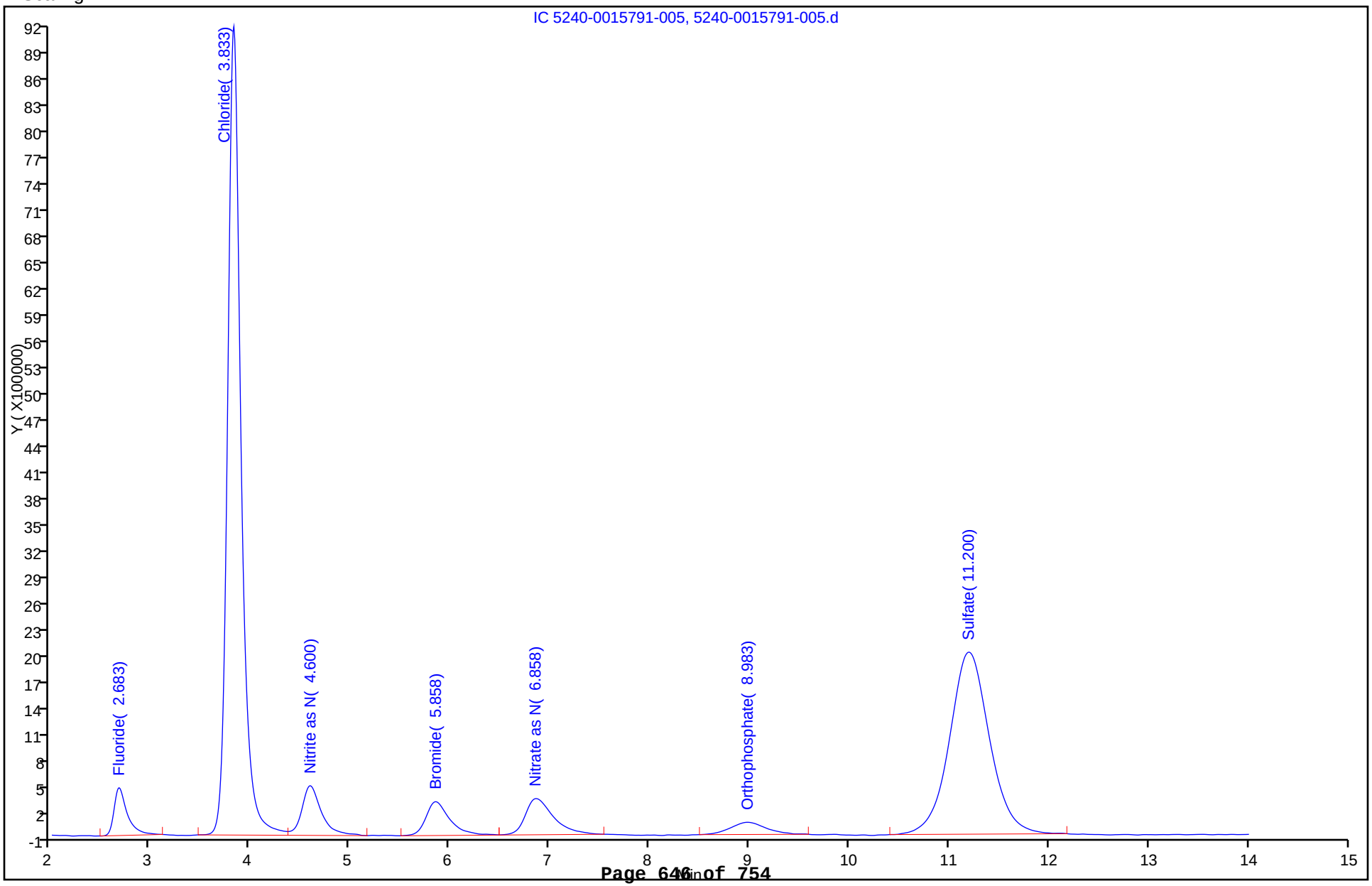
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\5240-0015791-005.d | | |
| Lims ID: | STD3 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:17:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 3 |
| Sample ID: | 240-0015791-005 | | |
| Misc. Info.: | 5 STD3 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 5 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 5240-0015791-005 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:10 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:12 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 5012122 | 0 | |
| 2 Chloride | 3.833 | 3.859 | -0.026 | 86580283 | 0 | |
| 3 Nitrite as N | 4.600 | 4.575 | 0.025 | 7789977 | 0.4930 | |
| 4 Bromide | 5.858 | 5.809 | 0.049 | 6418805 | 0 | |
| 5 Nitrate as N | 6.858 | 6.759 | 0.099 | 8093854 | 0.4453 | |
| 6 Orthophosphate | 8.983 | 8.959 | 0.024 | 3447922 | 0.4281 | |
| 7 Sulfate | 11.200 | 11.142 | 0.058 | 57784593 | 0 | |

Report Date: 13-Dec-2012 16:49:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\5240-0015791-005.d | | |
| Injection Date: | 13-Dec-2012 07:17:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 5 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
IC, ICal Standard Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\6240-0015791-006.d | | |
| Lims ID: | STD4 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:34:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 4 |
| Sample ID: | 240-0015791-006 | | |
| Misc. Info.: | 6 STD4 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 6 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 6240-0015791-006 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:10 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:22 |
| Start Cal Date: | 13-Dec-2012 06:45:00 | | |
| End Cal Date: | 13-Dec-2012 08:56:00 | | |

| Compound | Standard RRF/Amount | DLT RT | Ccal Amount | Ccal RF | Min. RRF | %D | Max. %D |
|---|---|---|---|---|---|---|---|
| 3 Nitrite as N | 15801059 | 0.000 | | 15498024 | 0.000 | -1.9 | 10.0 |
| 5 Nitrate as N | 18177894 | 0.050 | | 17478419 | 0.000 | -3.8 | 10.0 |
| 6 Orthophosphate | 8054637 | -0.009 | | 7507929 | 0.000 | -6.8 | 10.0 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\6240-0015791-006.d | | |
| Lims ID: | STD4 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:34:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 4 |
| Sample ID: | 240-0015791-006 | | |
| Misc. Info.: | 6 STD4 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 6 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 6240-0015791-006 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:10 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:22 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.667 | 2.675 | -0.008 | 10666145 | 0 | |
| 2 Chloride | 3.825 | 3.859 | -0.034 | 187940548 | 0 | |
| 3 Nitrite as N | 4.575 | 4.575 | 0.0 | 15498024 | 0.9808 | |
| 4 Bromide | 5.825 | 5.809 | 0.016 | 12878471 | 0 | |
| 5 Nitrate as N | 6.809 | 6.759 | 0.050 | 17478419 | 0.9615 | |
| 6 Orthophosphate | 8.950 | 8.959 | -0.009 | 7507929 | 0.9321 | |
| 7 Sulfate | 11.175 | 11.142 | 0.033 | 119348458 | 0 | |

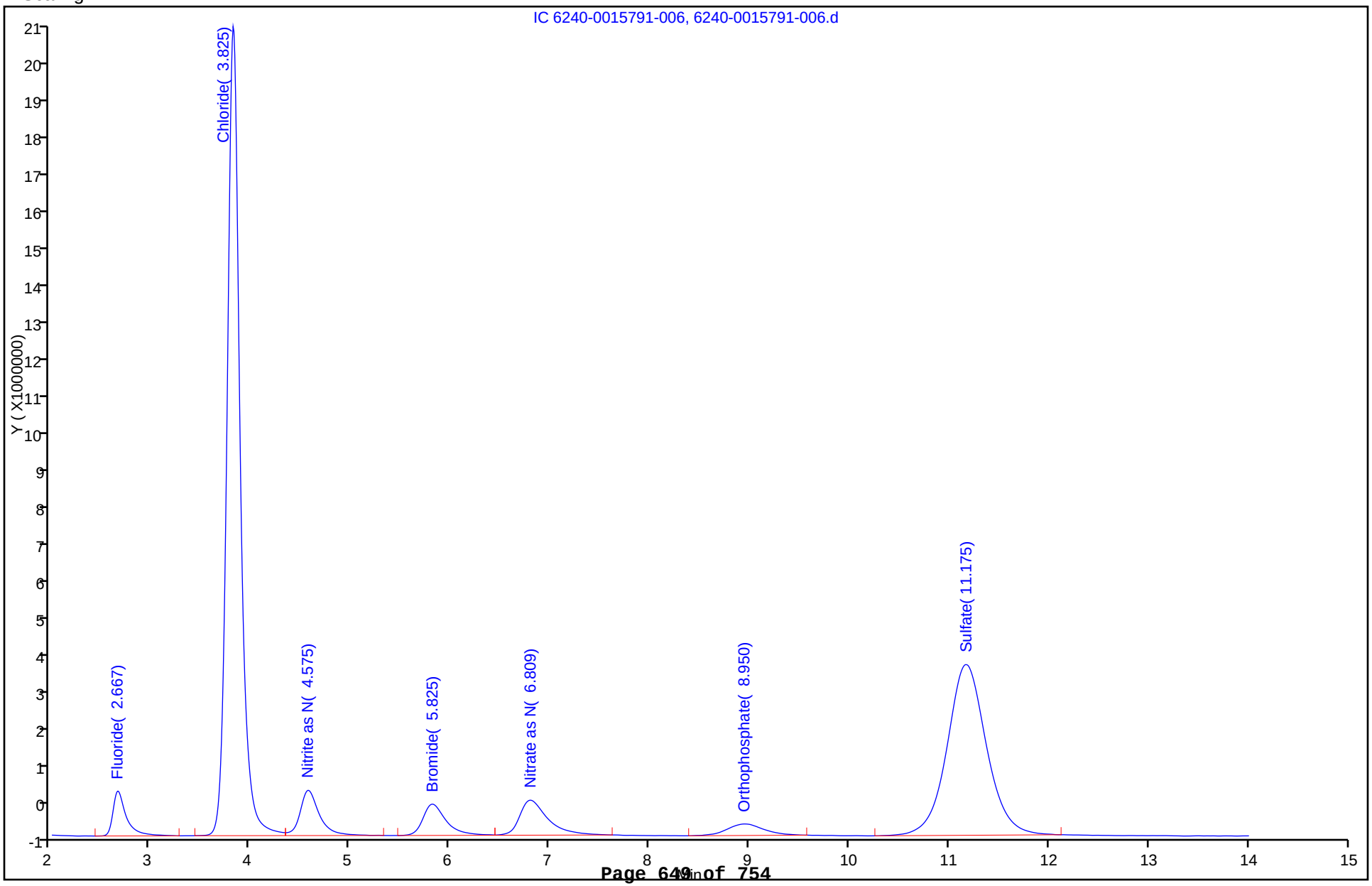
Report Date: 13-Dec-2012 16:49:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\6240-0015791-006.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 07:34:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 6 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\7240-0015791-007.d | | |
| Lims ID: | STD5 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:50:00 | Dil. Factor: | 1.0000 |
| Sample Type: | ICRT | Calib Level: | 5 |
| Sample ID: | 240-0015791-007 | | |
| Misc. Info.: | 7 STD5 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 7 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 7240-0015791-007 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:11 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |

First Level Reviewer: grossmanl Date: 13-Dec-2012 10:15:36

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 27958493 | 0 | |
| 2 Chloride | 3.859 | 3.859 | 0.0 | 548866878 | 0 | |
| 3 Nitrite as N | 4.575 | 4.575 | 0.0 | 40766162 | 2.58 | |
| 4 Bromide | 5.809 | 5.809 | 0.0 | 34207128 | 0 | |
| 5 Nitrate as N | 6.759 | 6.759 | 0.0 | 47255486 | 2.60 | |
| 6 Orthophosphate | 8.959 | 8.959 | 0.0 | 19856664 | 2.47 | |
| 7 Sulfate | 11.142 | 11.142 | 0.0 | 326634884 | 0 | |

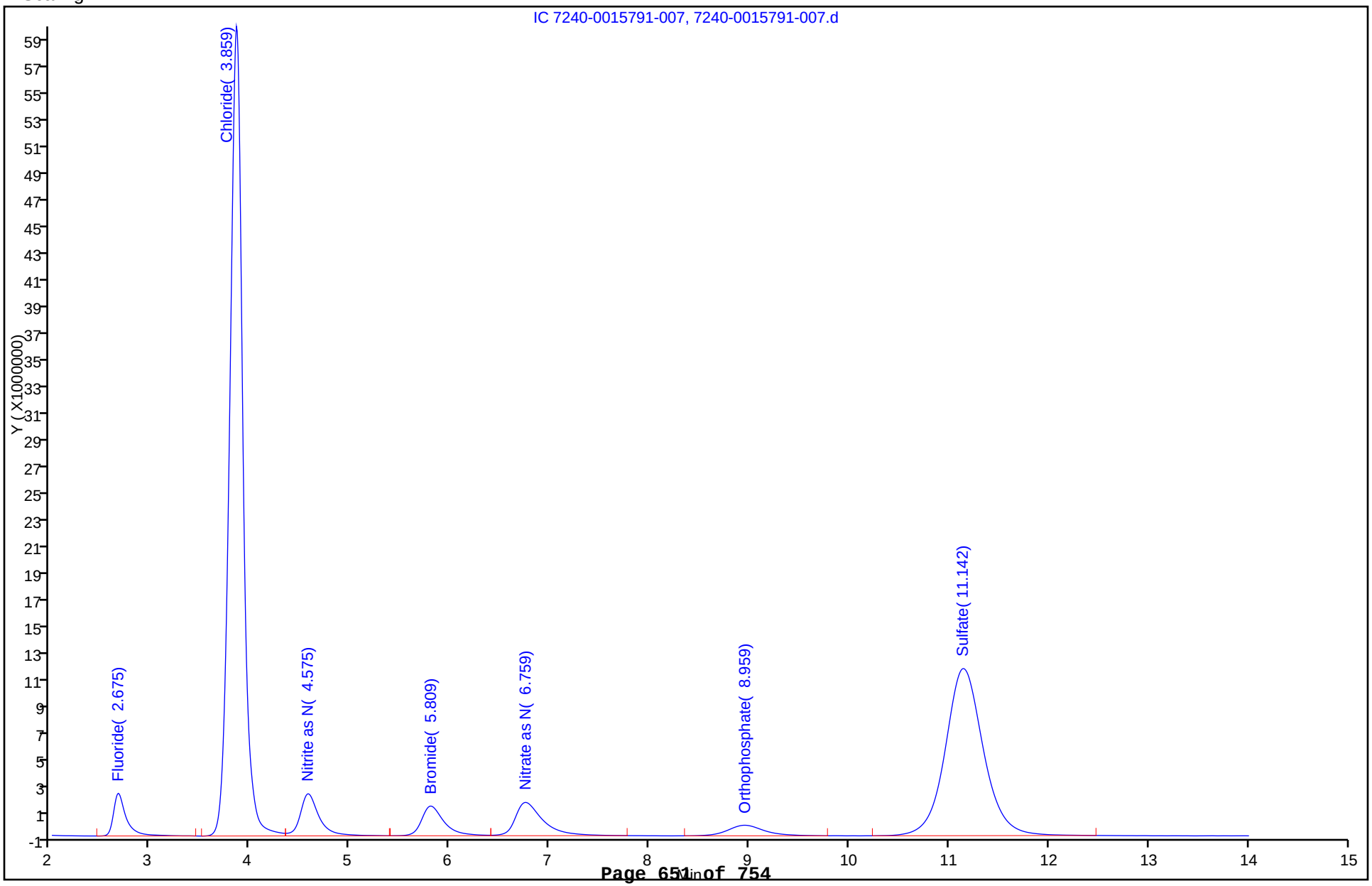
Report Date: 13-Dec-2012 16:49:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\7240-0015791-007.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 07:50:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 7 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\8240-0015791-008.d | | |
| Lims ID: | STD6 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:07:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 6 |
| Sample ID: | 240-0015791-008 | | |
| Misc. Info.: | 8 STD6 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 8 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 8240-0015791-008 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:11 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:50 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 45790102 | 0 | |
| 2 Chloride | 3.884 | 3.859 | 0.025 | 921691750 | 0 | |
| 3 Nitrite as N | 4.567 | 4.575 | -0.008 | 65624084 | 4.15 | |
| 4 Bromide | 5.784 | 5.809 | -0.025 | 55331872 | 0 | |
| 5 Nitrate as N | 6.717 | 6.759 | -0.042 | 78349085 | 4.31 | |
| 6 Orthophosphate | 8.942 | 8.959 | -0.017 | 31469500 | 3.91 | |
| 7 Sulfate | 11.125 | 11.142 | -0.017 | 551288141 | 0 | |

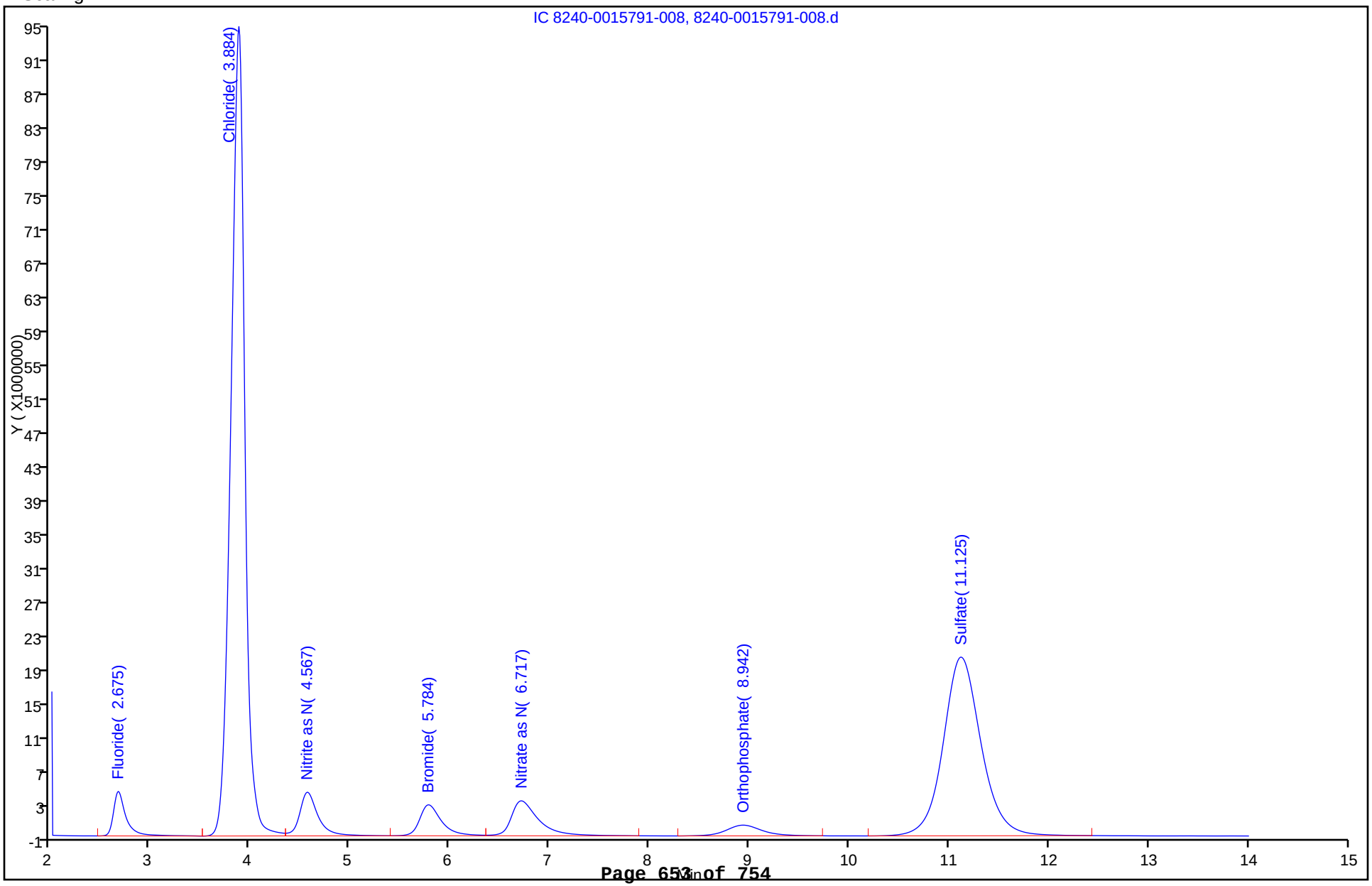
Report Date: 13-Dec-2012 16:49:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\8240-0015791-008.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 08:07:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 8 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



Report Date: 13-Dec-2012 16:49:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\9240-0015791-009.d | | |
| Lims ID: | STD7 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:23:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 7 |
| Sample ID: | 240-0015791-009 | | |
| Misc. Info.: | 9 STD7 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 9 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 9240-0015791-009 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:12 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:16:02 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 58232732 | 0 | |
| 2 Chloride | 3.908 | 3.859 | 0.049 | 1175363601 | 0 | |
| 3 Nitrite as N | 4.583 | 4.575 | 0.008 | 84033984 | 5.32 | |
| 4 Bromide | 5.792 | 5.809 | -0.017 | 70841207 | 0 | |
| 5 Nitrate as N | 6.708 | 6.759 | -0.051 | 98451195 | 5.42 | |
| 6 Orthophosphate | 8.933 | 8.959 | -0.026 | 39548179 | 4.91 | |
| 7 Sulfate | 11.092 | 11.142 | -0.050 | 702884072 | 0 | |

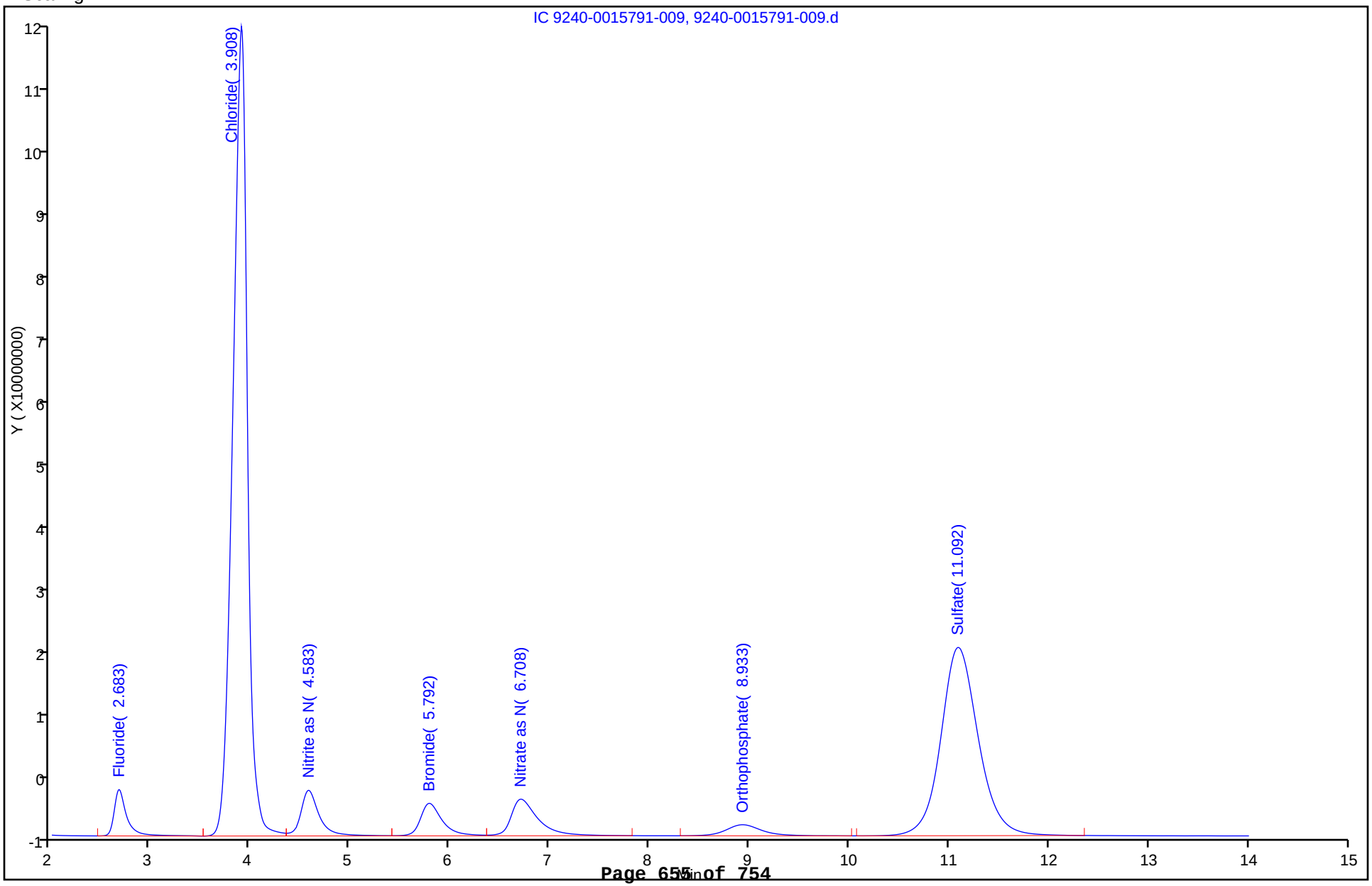
Report Date: 13-Dec-2012 16:49:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\9240-0015791-009.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 08:23:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 9 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

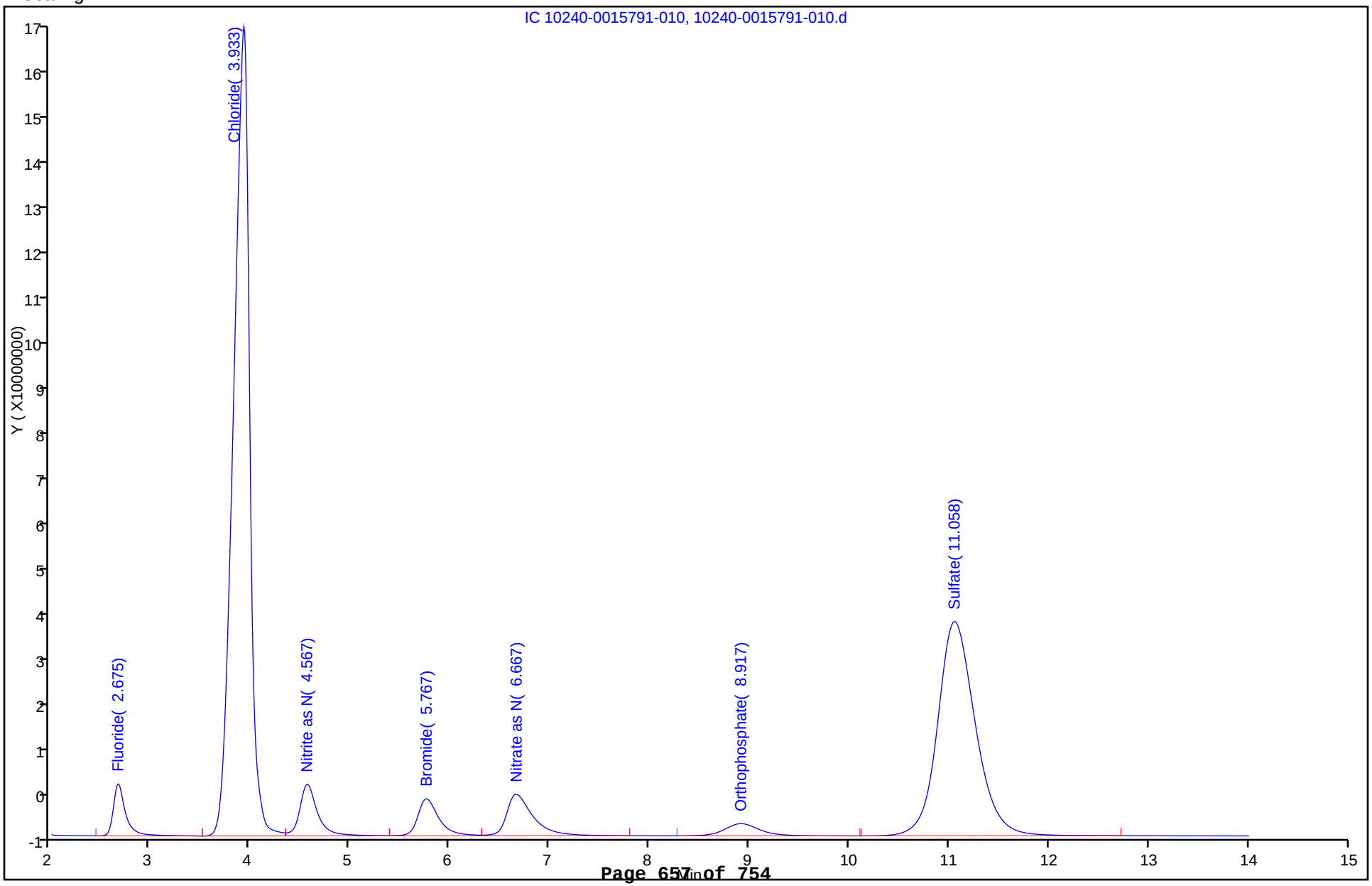
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\10240-0015791-010.d | | |
| Lims ID: | STD8 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:39:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 8 |
| Sample ID: | 240-0015791-010 | | |
| Misc. Info.: | 10 STD8 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 10 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 10240-0015791-010 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:12 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:16:12 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 89859899 | 0 | |
| 2 Chloride | 3.933 | 3.859 | 0.074 | 1823819045 | 0 | |
| 3 Nitrite as N | 4.567 | 4.575 | -0.008 | 129492337 | 8.20 | |
| 4 Bromide | 5.767 | 5.809 | -0.042 | 109709733 | 0 | |
| 5 Nitrate as N | 6.667 | 6.759 | -0.092 | 153408127 | 8.44 | |
| 6 Orthophosphate | 8.917 | 8.959 | -0.042 | 60042956 | 7.45 | |
| 7 Sulfate | 11.058 | 11.142 | -0.084 | 1129283383 | 0 | |

Report Date: 13-Dec-2012 16:49:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\10240-0015791-010.d | | |
| Injection Date: | 13-Dec-2012 08:39:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 10 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Lims ID: | STD9 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:56:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 9 |
| Sample ID: | 240-0015791-011 | | |
| Misc. Info.: | 11 STD9 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 11 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 11240-0015791-011 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:13 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:16:23 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 123890000 | 0 | |
| 2 Chloride | 3.967 | 3.859 | 0.108 | 2489925023 | 0 | |
| 3 Nitrite as N | 4.575 | 4.575 | 0.0 | 178758297 | 11.3 | |
| 4 Bromide | 5.758 | 5.809 | -0.051 | 151874227 | 0 | |
| 5 Nitrate as N | 6.633 | 6.759 | -0.126 | 215068992 | 11.8 | |
| 6 Orthophosphate | 8.892 | 8.959 | -0.067 | 81900595 | 10.2 | |
| 7 Sulfate | 10.983 | 11.142 | -0.159 | 1569067582 | 0 | |

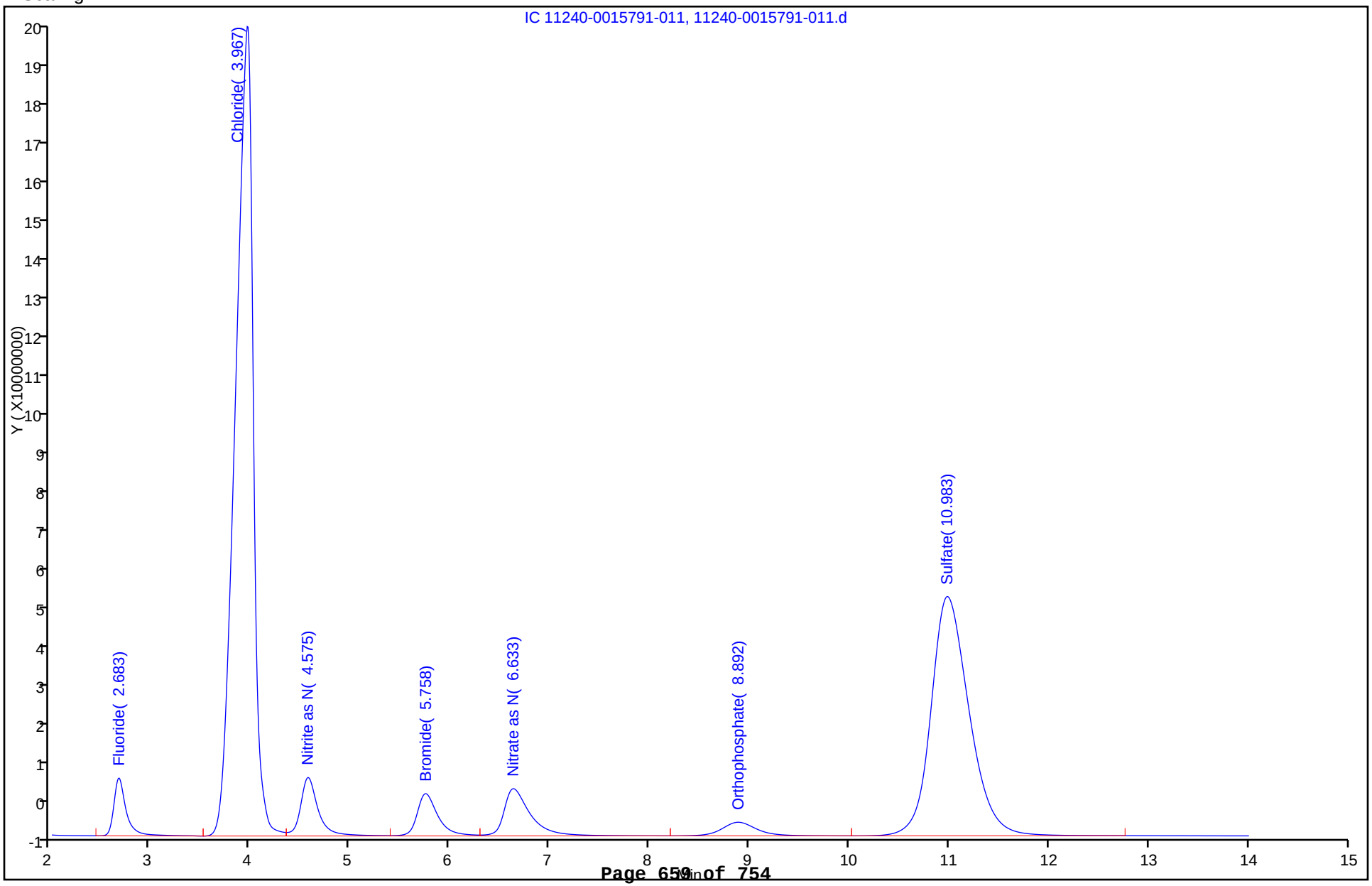
Report Date: 13-Dec-2012 16:49:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 08:56:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 11 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Laboratories
Initial Calibration Report

Method: \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m
Instrument: SIMON Lims Location: 240
Lock State: Unlocked Cpnd Order: Retention Time
Integrator: Falcon Last Modified: 13-Dec-2012 16:45:03
No.Compounds:7

## Initial Calibration Batches

Ical Batch: \\Ncchrom\ChromData\SIMON\20121213-15791.b
Inj Date : 13-Dec-2012 06:45:00, Sublist: chrom-300_Simon*sub1

Limit Group: WET IC SH ICAL

Detector 1: IC 0001

| Compound | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 | Level 9 | b | M1 | M2 | %RSD/R^2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 Nitrite as N | 11555940 | 14914852 | 15579954 | 15498024 | 16306465 | 16406021 | 16806797 | 17265645 | 17875830 | | 15801059 | | Avg 12 |
| 5 Nitrate as N | 14171580 | 15622316 | 16187708 | 17478419 | 18902194 | 19587271 | 19690239 | 20454417 | 21506899 | | 18177894 | | Avg 13 |
| 6 Orthophosphate | 11258720 | 6913776 | 6895844 | 7507929 | 7942666 | 7867375 | 7909636 | 8005727 | 8190060 | | 8054637 | | Avg 16 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\13240-0015791-013.d | | |
| Lims ID: | ICV | Client ID: | |
| Inject. Date: | 13-Dec-2012 09:29:00 | Dil. Factor: | 1.0000 |
| Sample Type: | ICV | | |
| Sample ID: | 240-0015791-013 | | |
| Misc. Info.: | 13 ICV | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 13 |
| Sublist: | | | |
| Detector: | IC 13240-0015791-013 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:13 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:16:38 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 28025834 | 0 | |
| 2 Chloride | 3.875 | 3.859 | 0.016 | 534876666 | 0 | |
| 3 Nitrite as N | 4.592 | 4.575 | 0.017 | 41731203 | 2.64 | |
| 4 Bromide | 5.817 | 5.809 | 0.008 | 33475811 | 0 | |
| 5 Nitrate as N | 6.767 | 6.759 | 0.008 | 46472236 | 2.56 | |
| 6 Orthophosphate | 8.933 | 8.959 | -0.026 | 19365590 | 2.40 | |
| 7 Sulfate | 11.125 | 11.142 | -0.017 | 317725298 | 0 | |

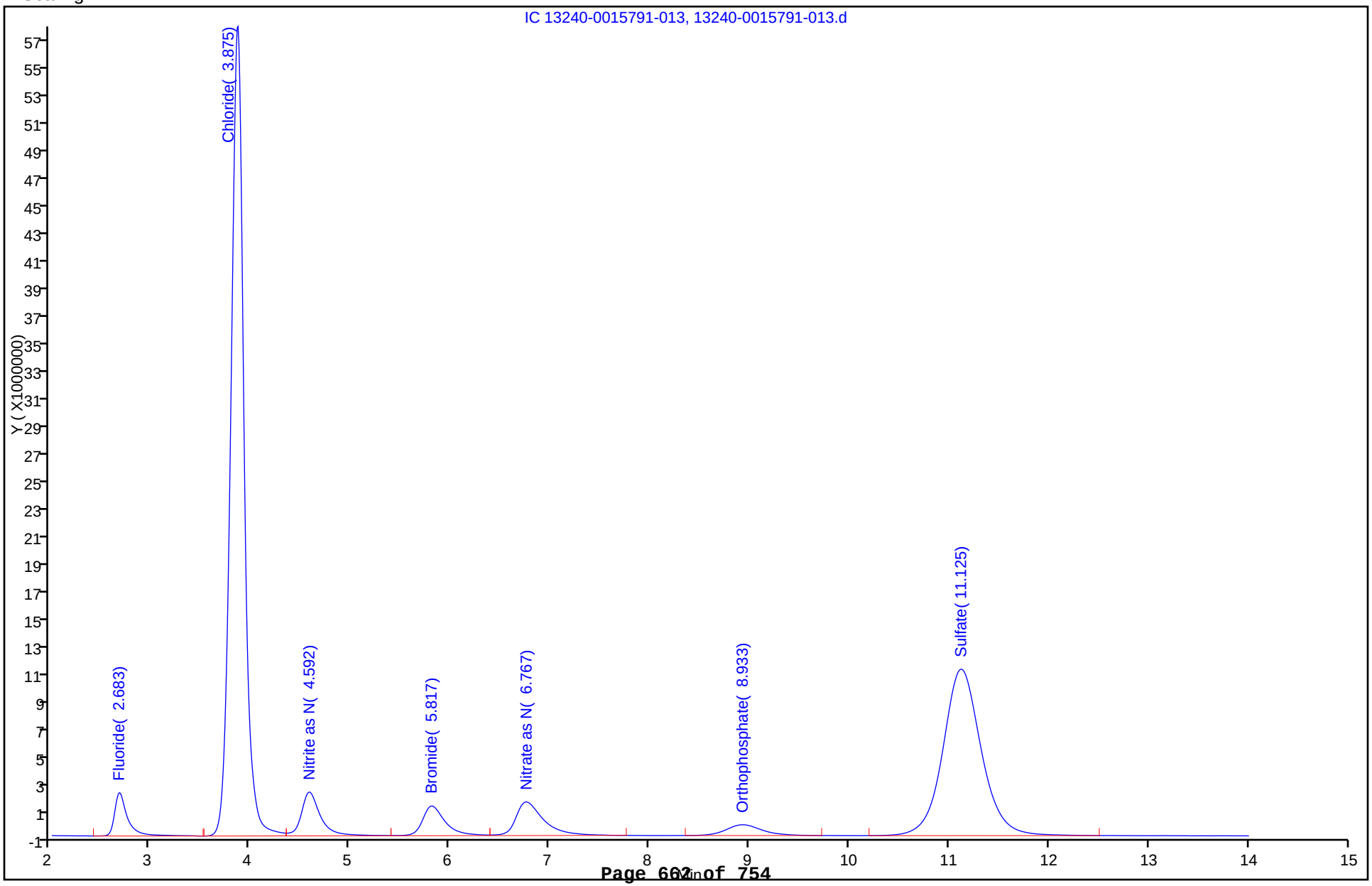
Report Date: 13-Dec-2012 16:49:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\13240-0015791-013.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 09:29:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 13 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\1240-0017209-001.d | | |
| Lims ID: | CCV | Client ID: | |
| Inject. Date: | 07-Feb-2013 17:05:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCV | | |
| Sample ID: | 240-0017209-001 | | |
| Misc. Info.: | 1 CCV | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 1 |
| Detector: | IC 1240-0017209-001 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:24 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.667 | 2.667 | 0.0 | 27828639 | 0 | |
| 2 Chloride | 3.767 | 3.767 | 0.0 | 547194606 | 0 | |
| 3 Nitrite as N | 4.367 | 4.367 | 0.0 | 42525259 | 2.69 | |
| 4 Bromide | 5.442 | 5.442 | 0.0 | 35310820 | 0 | |
| 5 Nitrate as N | 6.234 | 6.234 | 0.0 | 48988840 | 2.69 | |
| 6 Orthophosphate | 8.325 | 8.325 | 0.0 | 18615422 | 2.31 | |
| 7 Sulfate | 10.542 | 10.542 | 0.0 | 331701158 | 0 | |

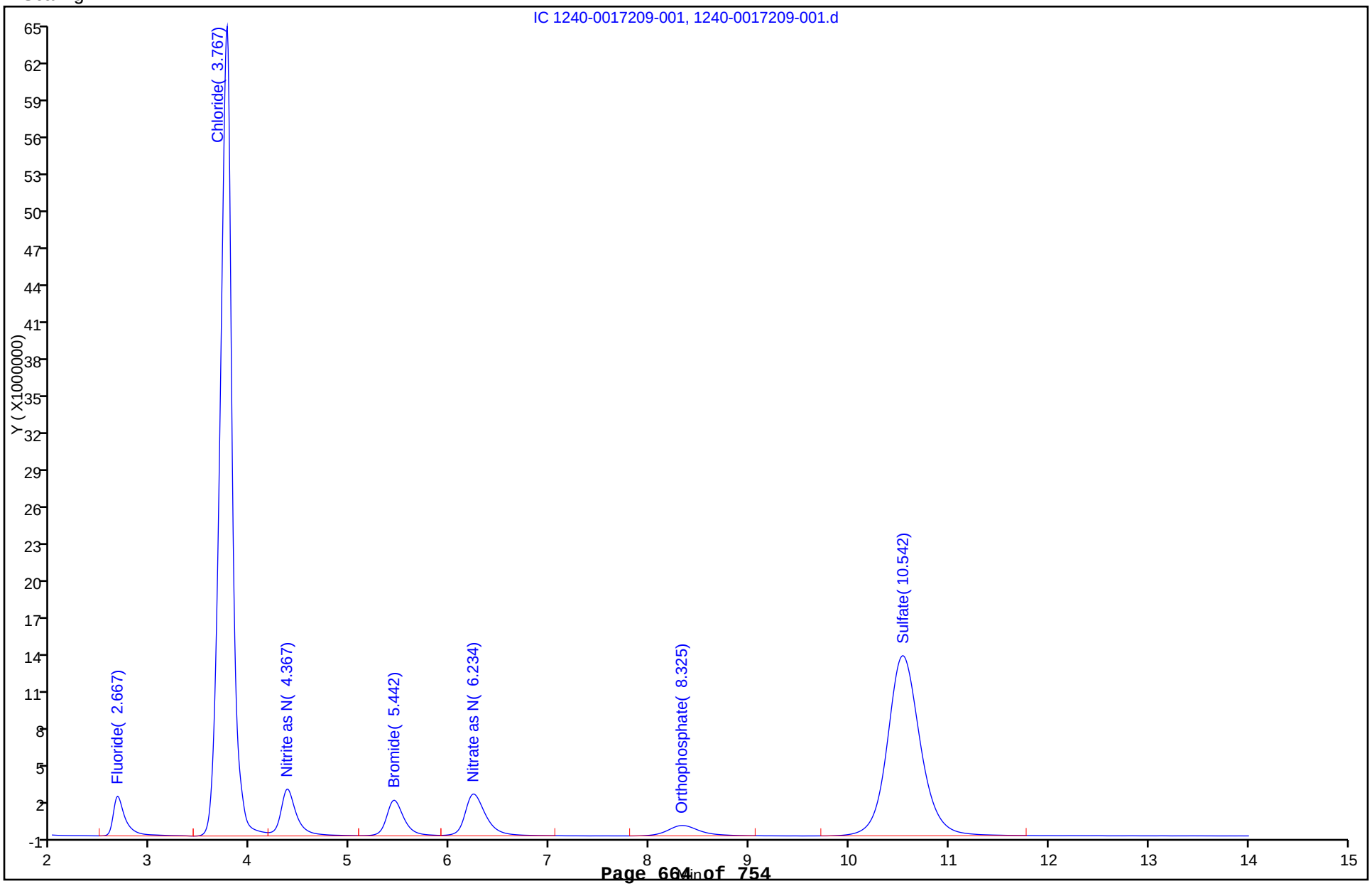
Report Date: 08-Feb-2013 07:23:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\1240-0017209-001.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 17:05:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 1 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\2240-0017209-002.d | | |
| Lims ID: | CCB | Client ID: | |
| Inject. Date: | 07-Feb-2013 17:21:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCB | | |
| Sample ID: | 240-0017209-002 | | |
| Misc. Info.: | 2 CCB | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 2 |
| Detector: | IC 2240-0017209-002 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:24 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.667 | | | | 1 |
| 2 Chloride | | 3.767 | | | | |
| 3 Nitrite as N | | 4.367 | | | | 1 |
| 4 Bromide | | 5.442 | | | | 1 |
| 5 Nitrate as N | | 6.234 | | | | 1 |
| 6 Orthophosphate | 8.442 | 8.325 | 0.117 | 29995 | 0.003724 | 7 |
| 7 Sulfate | | 10.542 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

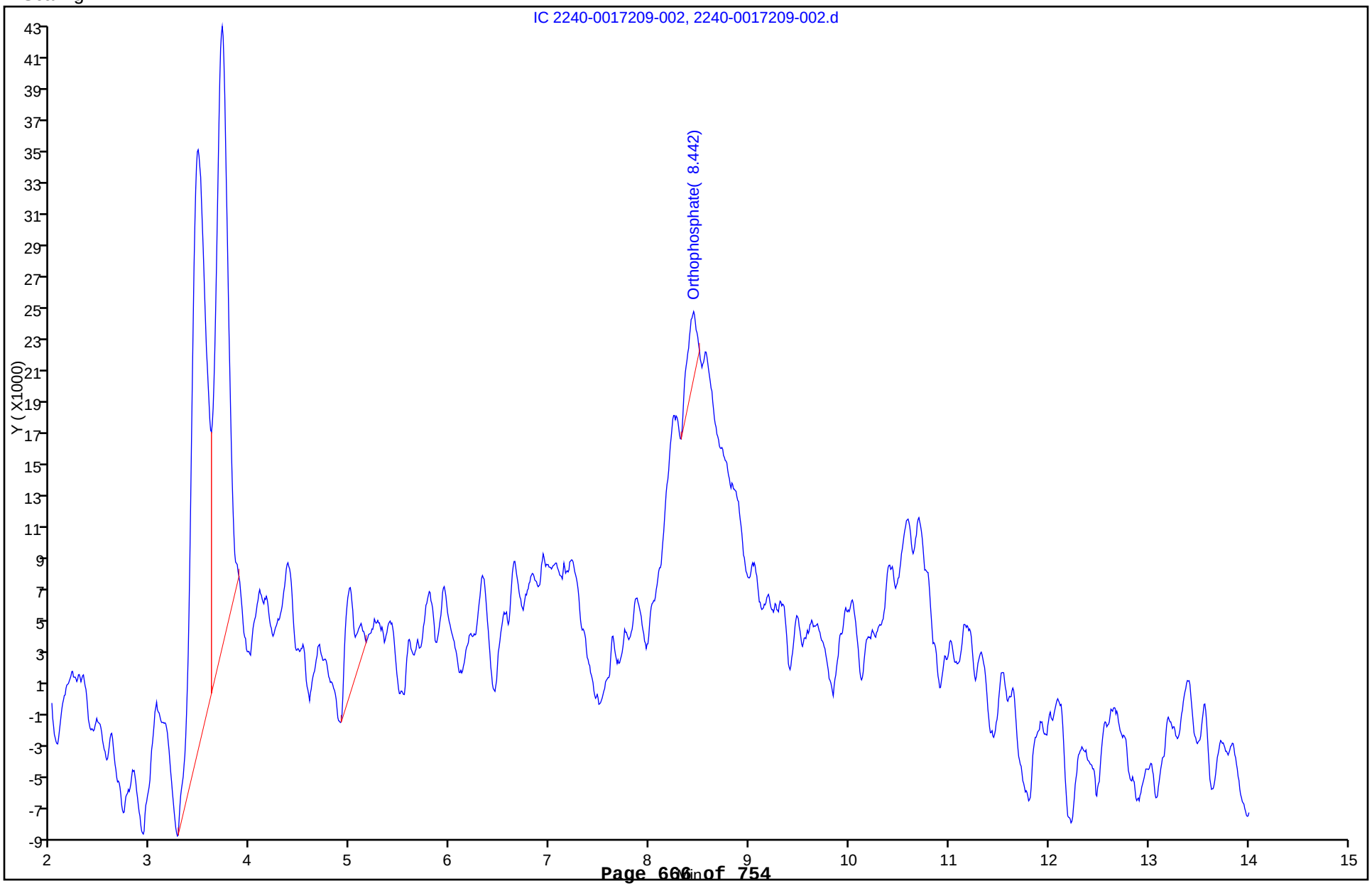
Report Date: 08-Feb-2013 07:23:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\2240-0017209-002.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 17:21:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 2 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\3240-0017209-003.d | | |
| Lims ID: | MB | Client ID: | |
| Inject. Date: | 07-Feb-2013 17:37:00 | Dil. Factor: | 1.0000 |
| Sample Type: | MB | | |
| Sample ID: | 240-0017209-003 | | |
| Misc. Info.: | 3 MB | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 3 |
| Detector: | IC 3240-0017209-003 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:24 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.667 | | | | 1 |
| 2 Chloride | | 3.767 | | | | |
| 3 Nitrite as N | | 4.367 | | | | 1 |
| 4 Bromide | | 5.442 | | | | 1 |
| 5 Nitrate as N | | 6.234 | | | | 1 |
| 6 Orthophosphate | | 8.325 | | | | 1 |
| 7 Sulfate | | 10.542 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks

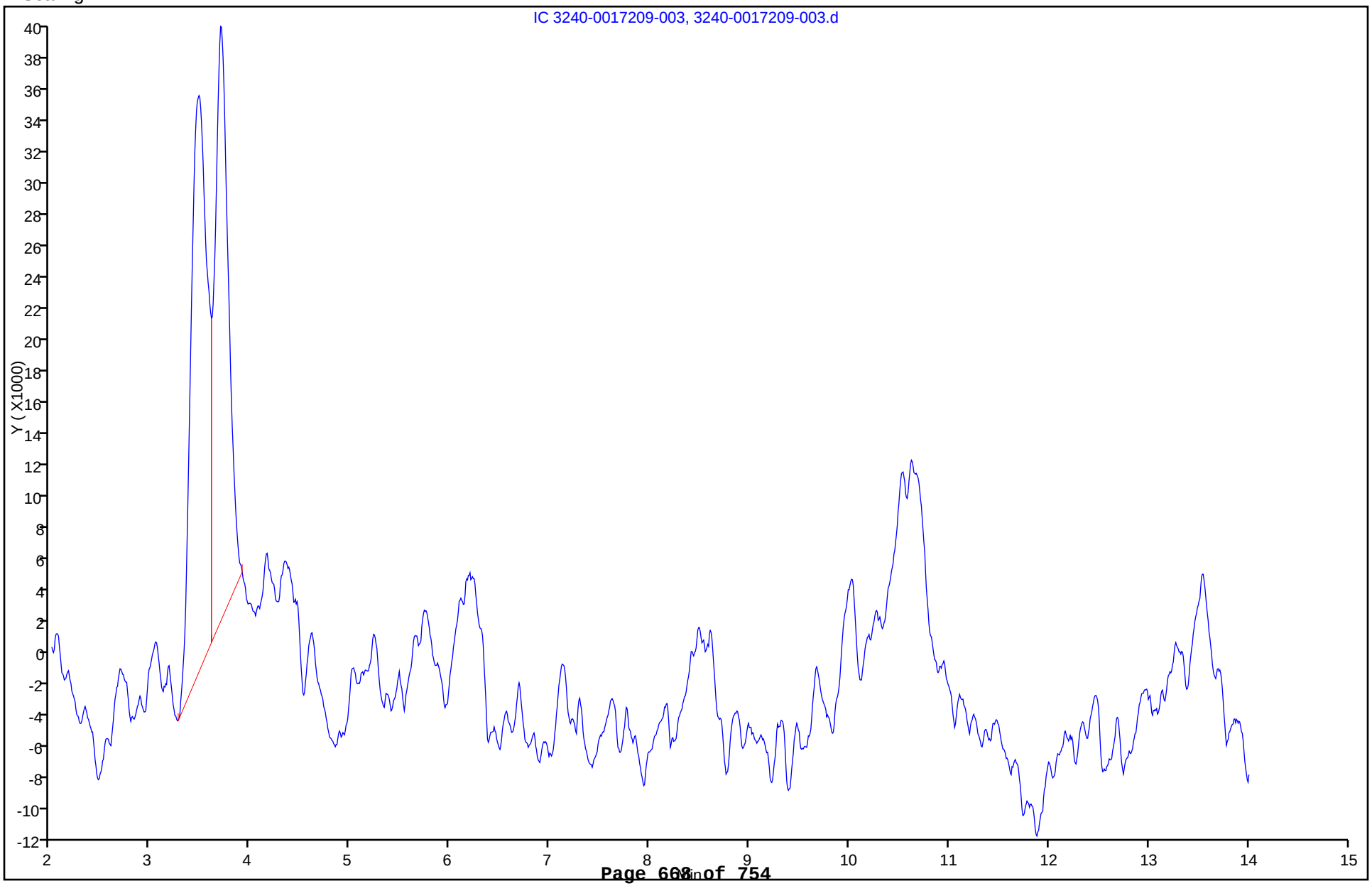
Report Date: 08-Feb-2013 07:23:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\3240-0017209-003.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 17:37:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\4240-0017209-004.d | | |
| Lims ID: | LCS | Client ID: | |
| Inject. Date: | 07-Feb-2013 17:54:00 | Dil. Factor: | 1.0000 |
| Sample Type: | LCS | | |
| Sample ID: | 240-0017209-004 | | |
| Misc. Info.: | 4 LCS | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 4 |
| Detector: | IC 4240-0017209-004 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:24 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.667 | 0.008 | 28152891 | 0 | |
| 2 Chloride | 3.775 | 3.767 | 0.008 | 546305404 | 0 | |
| 3 Nitrite as N | 4.367 | 4.367 | 0.0 | 42583919 | 2.70 | |
| 4 Bromide | 5.417 | 5.442 | -0.025 | 34759846 | 0 | |
| 5 Nitrate as N | 6.200 | 6.234 | -0.034 | 48942666 | 2.69 | |
| 6 Orthophosphate | 8.350 | 8.325 | 0.025 | 18041185 | 2.24 | |
| 7 Sulfate | 10.550 | 10.542 | 0.008 | 328071181 | 0 | |

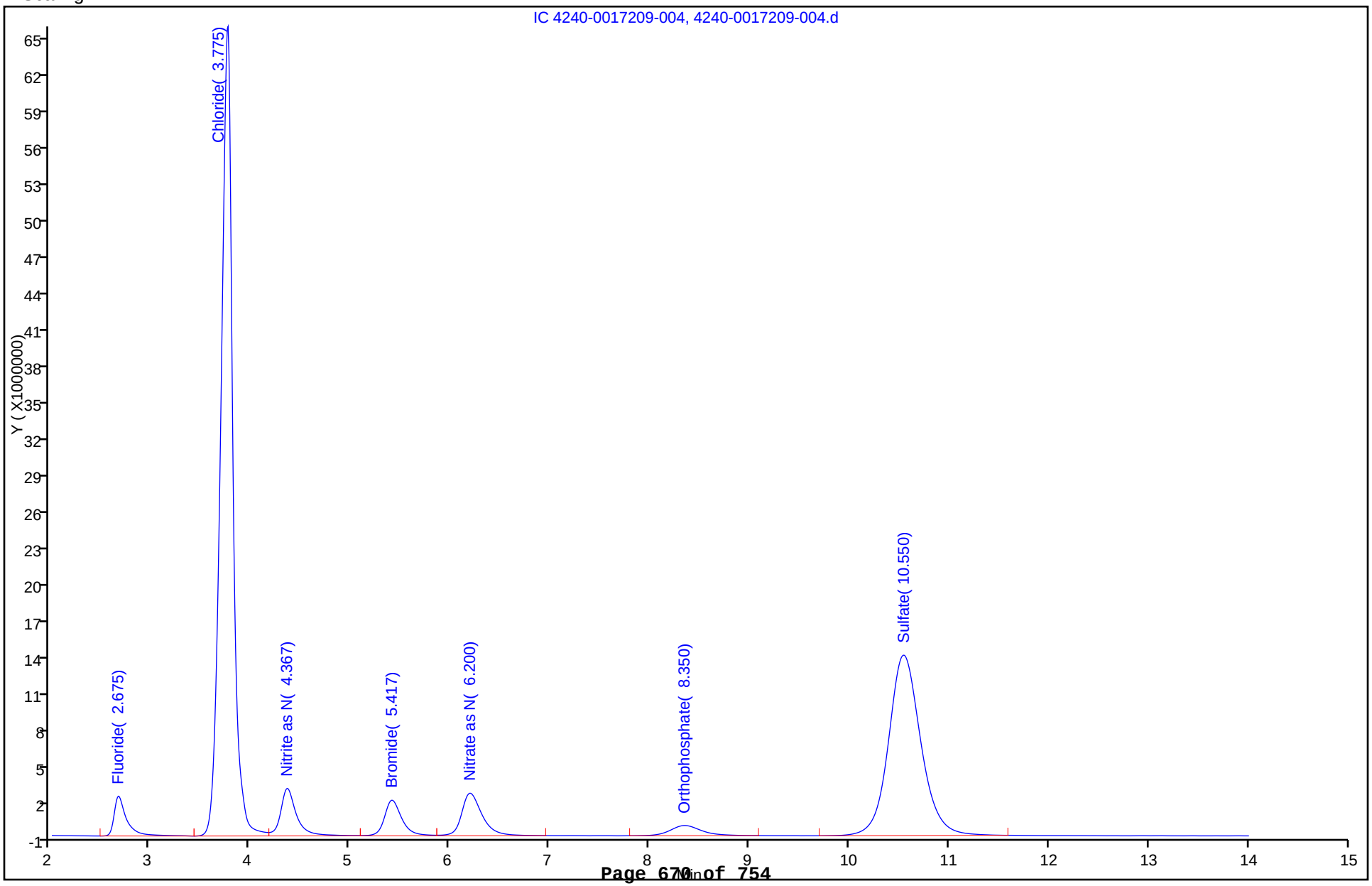
Report Date: 08-Feb-2013 07:23:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\4240-0017209-004.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 17:54:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 4 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

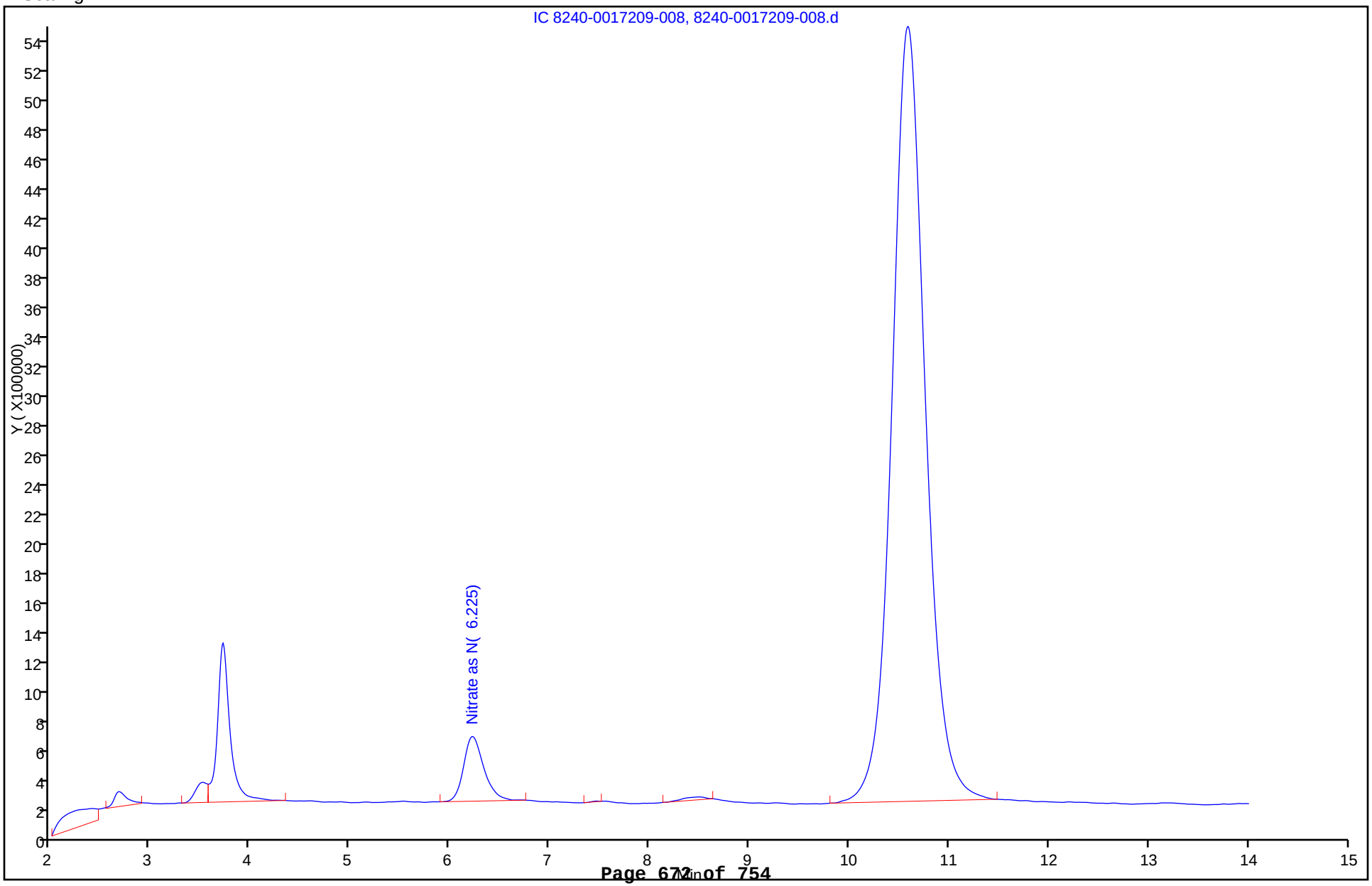
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\8240-0017209-008.d | | |
| Lims ID: | 240-20760-I-10 | Client ID: | OW-6 |
| Inject. Date: | 07-Feb-2013 18:59:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017209-008 | | |
| Misc. Info.: | 8 240-20760-I-10 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 8 |
| Detector: | IC 8240-0017209-008 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:24 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |
| First Level Reviewer: grossmanl | | Date: | 08-Feb-2013 07:17:42 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | 6.225 | 6.234 | -0.009 | 6185665 | 0.3403 | |

Report Date: 08-Feb-2013 07:23:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\8240-0017209-008.d | | |
| Injection Date: | 07-Feb-2013 18:59:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-6 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 8 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\9240-0017209-009.d | | |
| Lims ID: | 240-20760-I-11 | Client ID: | OW-8 |
| Inject. Date: | 07-Feb-2013 19:16:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017209-009 | | |
| Misc. Info.: | 9 240-20760-I-11 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 9 |
| Detector: | IC 9240-0017209-009 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:24 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |
| First Level Reviewer: grossmanl | | Date: | 08-Feb-2013 07:17:49 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | | 6.234 | | | | 1 |

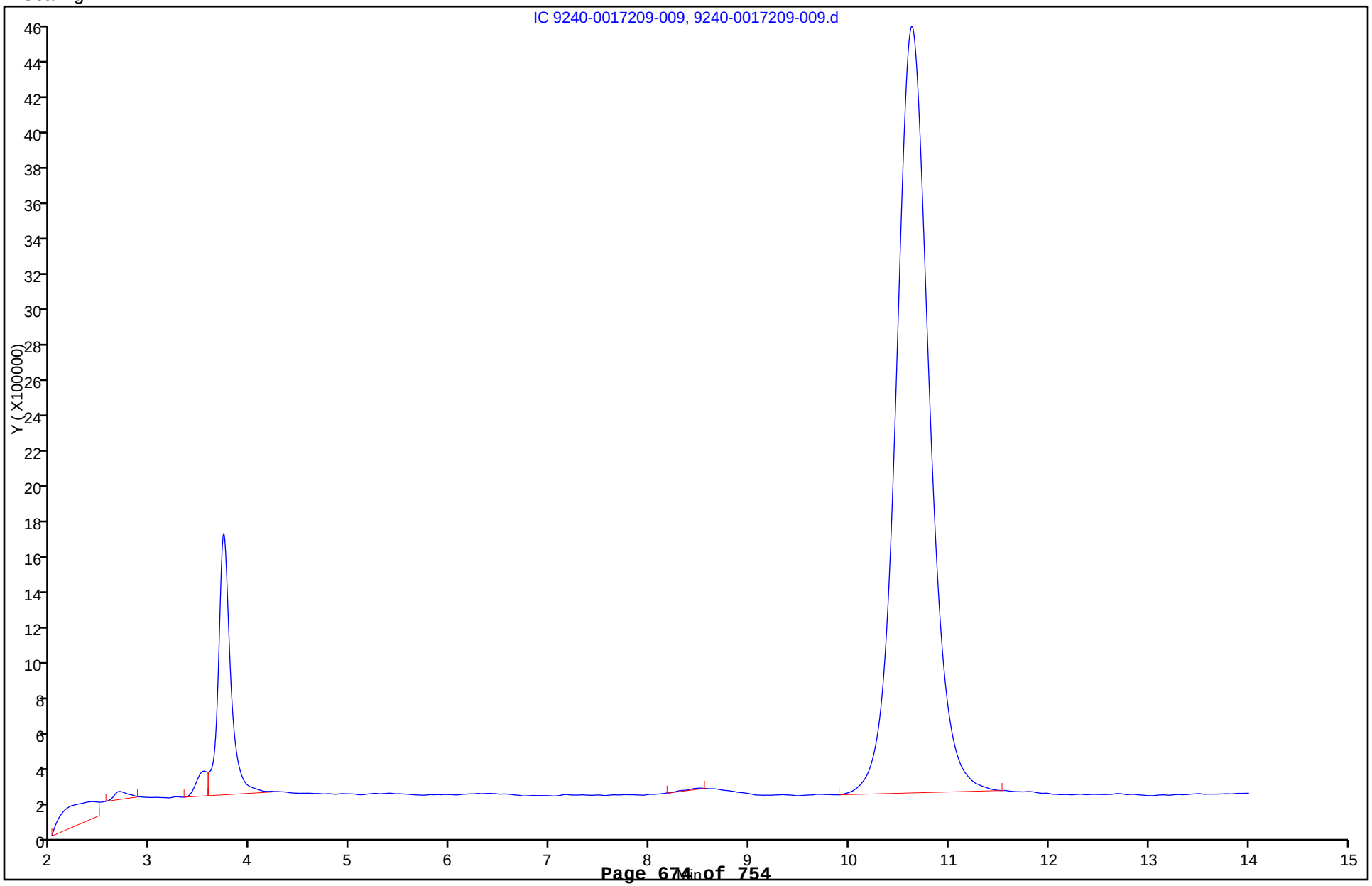
QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 08-Feb-2013 07:23:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\9240-0017209-009.d | | |
| Injection Date: | 07-Feb-2013 19:16:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-8 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 9 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\10240-0017209-010.d | | |
| Lims ID: | 240-20760-I-8 | Client ID: | OW-2 |
| Inject. Date: | 07-Feb-2013 19:32:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017209-010 | | |
| Misc. Info.: | 10 240-20760-I-8 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 10 |
| Detector: | IC 10240-0017209-010 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:24 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | 6.150 | 6.234 | -0.084 | 111748677 | 6.15 | |

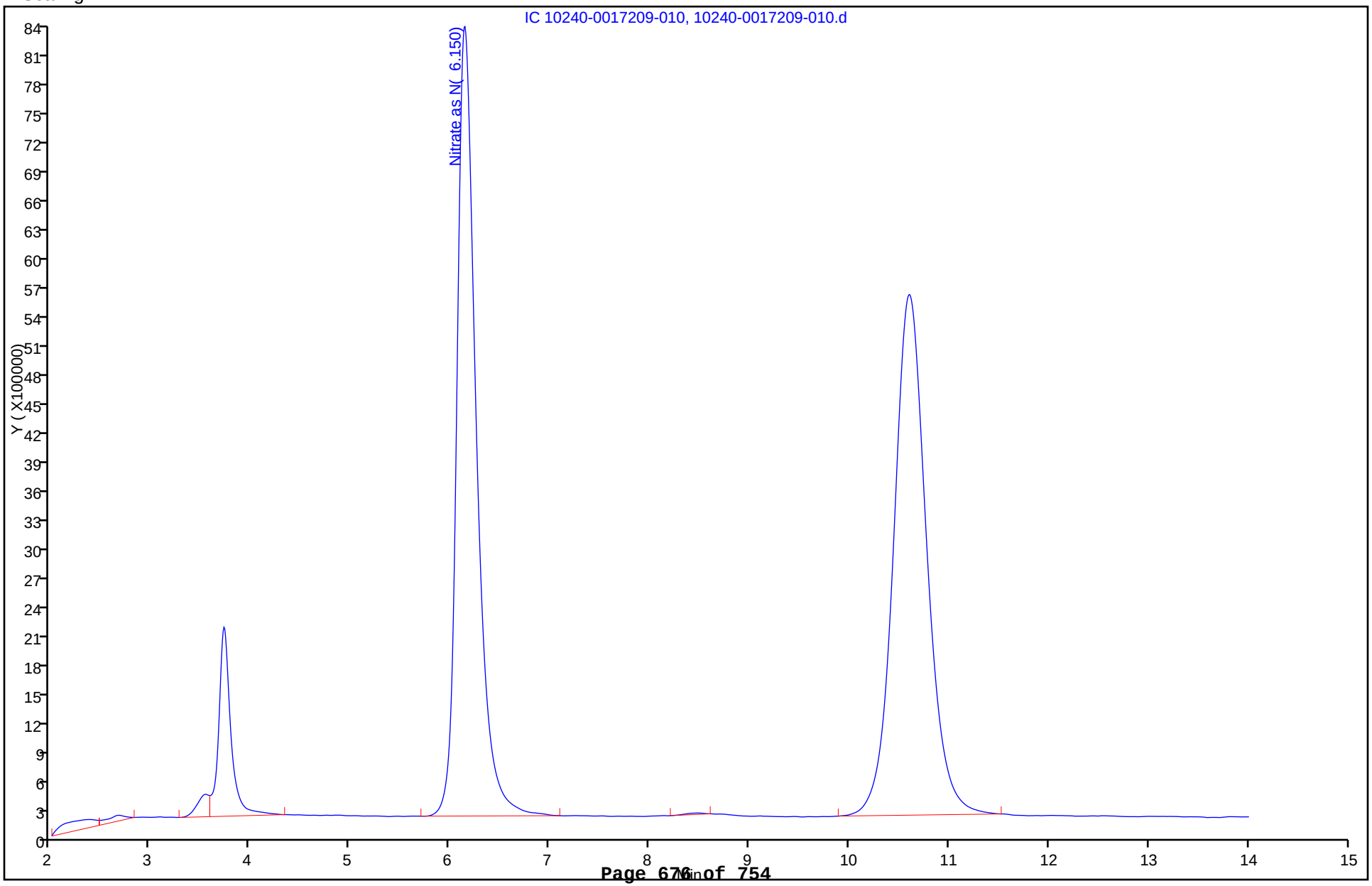
Report Date: 08-Feb-2013 07:23:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\10240-0017209-010.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 19:32:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-2 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 10 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\13240-0017209-013.d | | |
| Lims ID: | CCV | Client ID: | |
| Inject. Date: | 07-Feb-2013 20:21:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCV | | |
| Sample ID: | 240-0017209-013 | | |
| Misc. Info.: | 13 CCV | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 13 |
| Detector: | IC 13240-0017209-013 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:29 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 27035214 | 0 | |
| 2 Chloride | 3.767 | 3.767 | 0.0 | 548323142 | 0 | |
| 3 Nitrite as N | 4.367 | 4.367 | 0.0 | 41658876 | 2.64 | |
| 4 Bromide | 5.417 | 5.417 | 0.0 | 33885219 | 0 | |
| 5 Nitrate as N | 6.200 | 6.200 | 0.0 | 47584887 | 2.62 | |
| 6 Orthophosphate | 8.367 | 8.367 | 0.0 | 19234423 | 2.39 | |
| 7 Sulfate | 10.558 | 10.558 | 0.0 | 328619786 | 0 | |

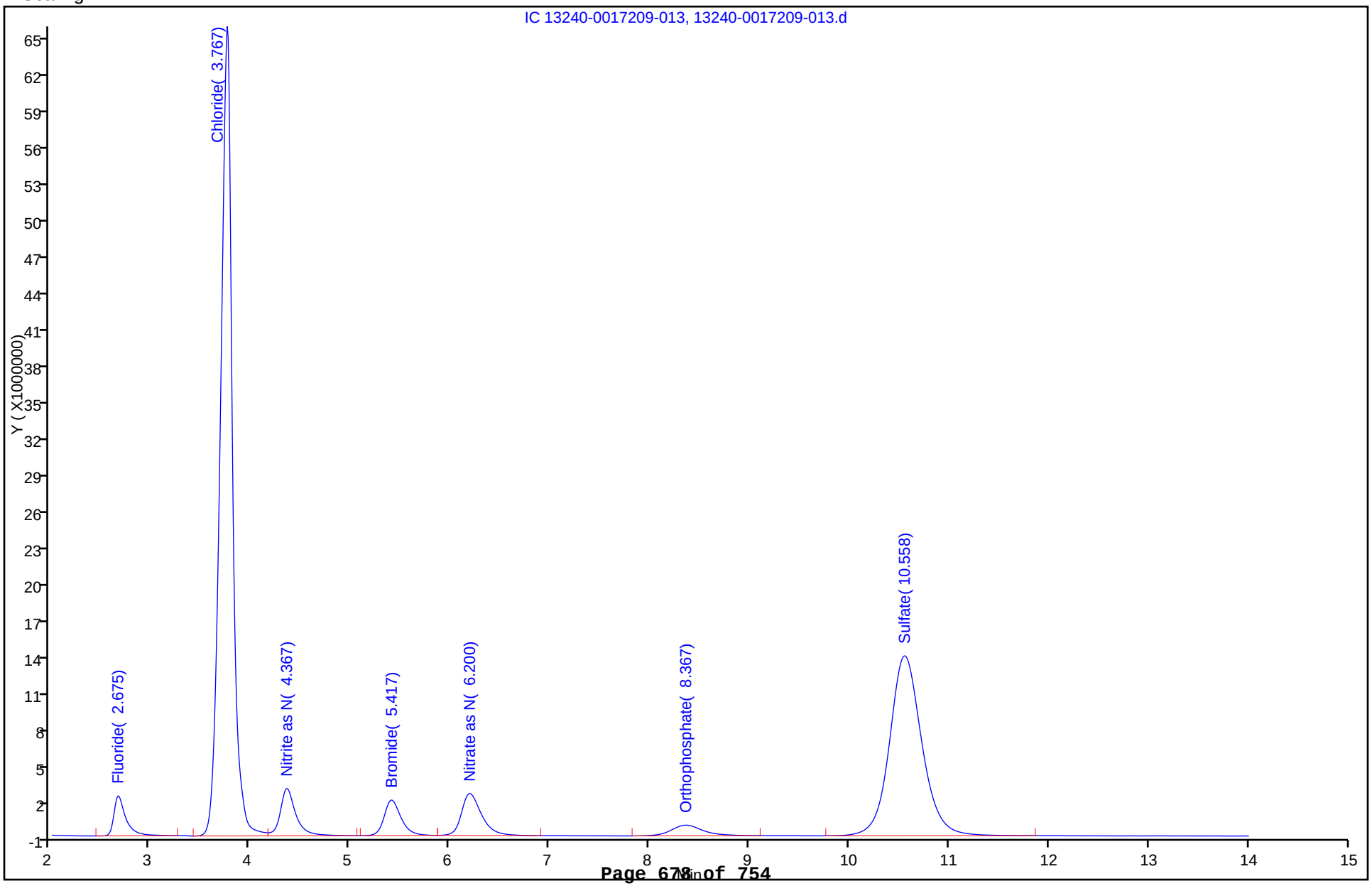
Report Date: 08-Feb-2013 07:23:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\13240-0017209-013.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 20:21:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 13 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\14240-0017209-014.d | | |
| Lims ID: | CCB | Client ID: | |
| Inject. Date: | 07-Feb-2013 20:38:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCB | | |
| Sample ID: | 240-0017209-014 | | |
| Misc. Info.: | 14 CCB | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 14 |
| Detector: | IC 14240-0017209-014 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:29 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.675 | | | | 1 |
| 2 Chloride | | 3.767 | | | | |
| 3 Nitrite as N | | 4.367 | | | | 1 |
| 4 Bromide | | 5.417 | | | | 1 |
| 5 Nitrate as N | | 6.200 | | | | 1 |
| 6 Orthophosphate | | 8.367 | | | | 1 |
| 7 Sulfate | | 10.558 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks

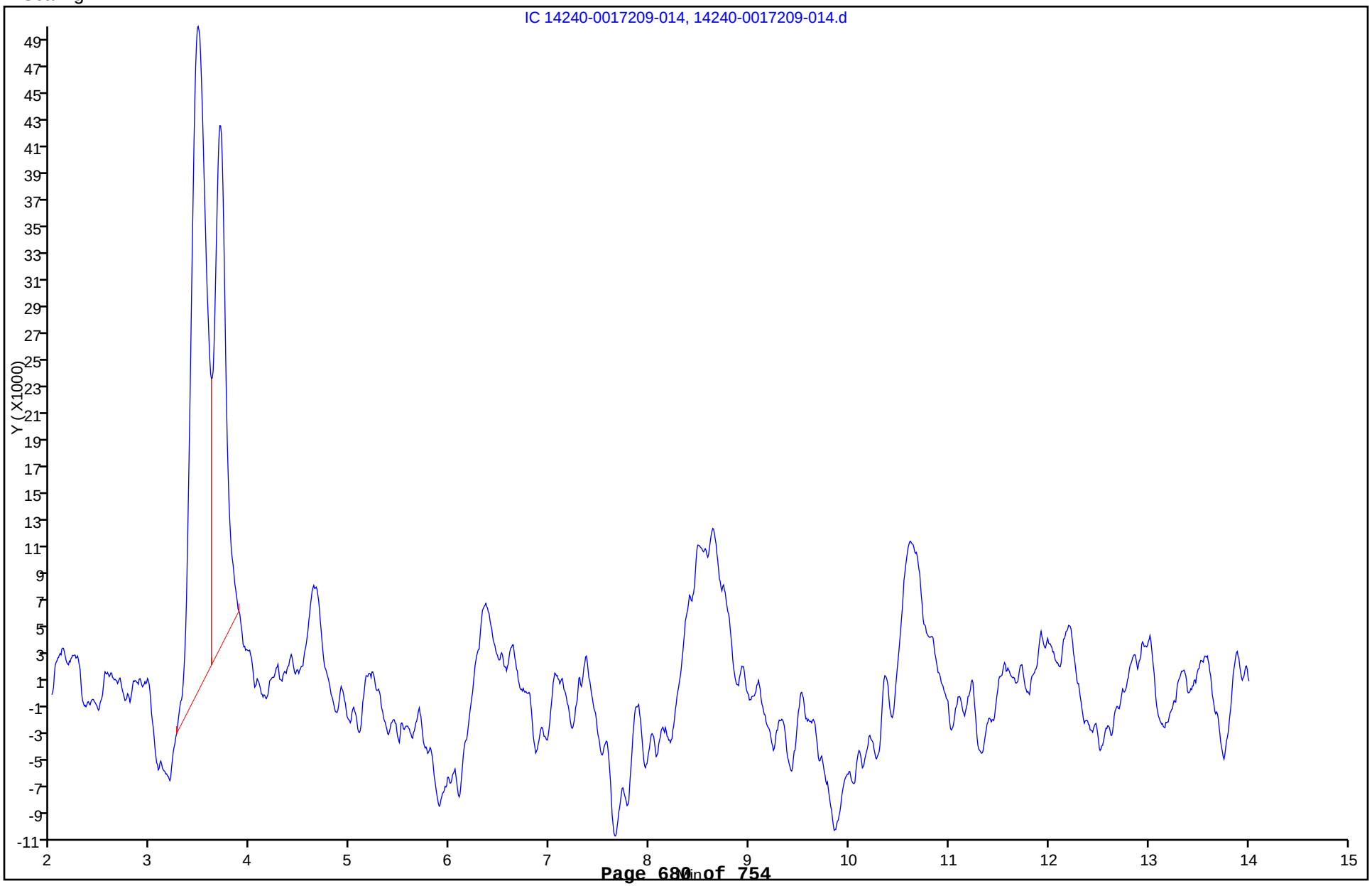
Report Date: 08-Feb-2013 07:23:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\14240-0017209-014.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 20:38:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 14 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\15240-0017209-015.d | | |
| Lims ID: | 240-20760-Y-12 | Client ID: | OW-5 |
| Inject. Date: | 07-Feb-2013 20:54:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017209-015 | | |
| Misc. Info.: | 15 240-20760-Y-12 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 15 |
| Detector: | IC 15240-0017209-015 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:29 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |
| First Level Reviewer: grossmanl | | Date: | 08-Feb-2013 07:18:18 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.700 | 2.675 | 0.025 | 253220 | 0 | M |
| 2 Chloride | 3.775 | 3.767 | 0.008 | 145572679 | 0 | |
| 3 Nitrite as N | | 4.367 | | | | 1 |
| 4 Bromide | | 5.417 | | | | |
| 5 Nitrate as N | 6.233 | 6.200 | 0.033 | 10393707 | 0.5718 | |
| 6 Orthophosphate | | 8.367 | | | | |
| 7 Sulfate | 10.575 | 10.558 | 0.017 | 288892282 | 0 | |

QC Flag Legend

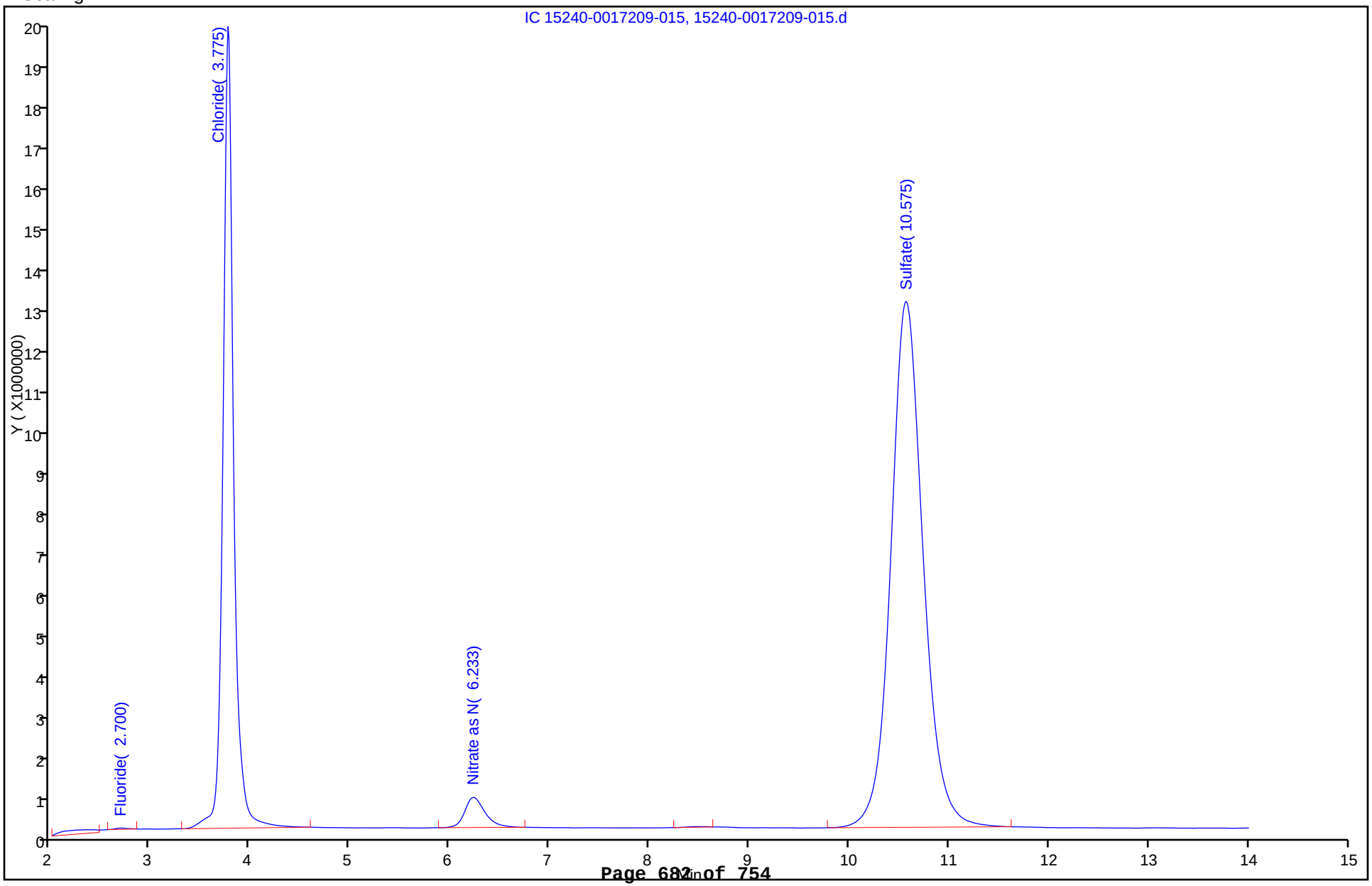
Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

Report Date: 08-Feb-2013 07:23:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\15240-0017209-015.d | | |
| Injection Date: | 07-Feb-2013 20:54:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-5 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 15 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\16240-0017209-016.d | | |
| Lims ID: | 240-20760-Y-12 MS | Client ID: | OW-5 |
| Inject. Date: | 07-Feb-2013 21:11:00 | Dil. Factor: | 1.0000 |
| Sample Type: | MS | | |
| Sample ID: | 240-0017209-016 | | |
| Misc. Info.: | 16 240-20760-Y-12 MS | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 16 |
| Detector: | IC 16240-0017209-016 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:29 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |
| First Level Reviewer: grossmanl | | Date: | 08-Feb-2013 07:18:32 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.684 | 2.675 | 0.009 | 33239660 | 0 | M |
| 2 Chloride | 3.825 | 3.767 | 0.058 | 760540594 | 0 | M |
| 3 Nitrite as N | 4.384 | 4.367 | 0.017 | 47909325 | 3.03 | M |
| 4 Bromide | 5.417 | 5.417 | 0.0 | 37736687 | 0 | M |
| 5 Nitrate as N | 6.192 | 6.200 | -0.008 | 63281243 | 3.48 | M |
| 6 Orthophosphate | 8.417 | 8.367 | 0.050 | 38194046 | 4.74 | |
| 7 Sulfate | 10.559 | 10.558 | 0.001 | 685236931 | 0 | |

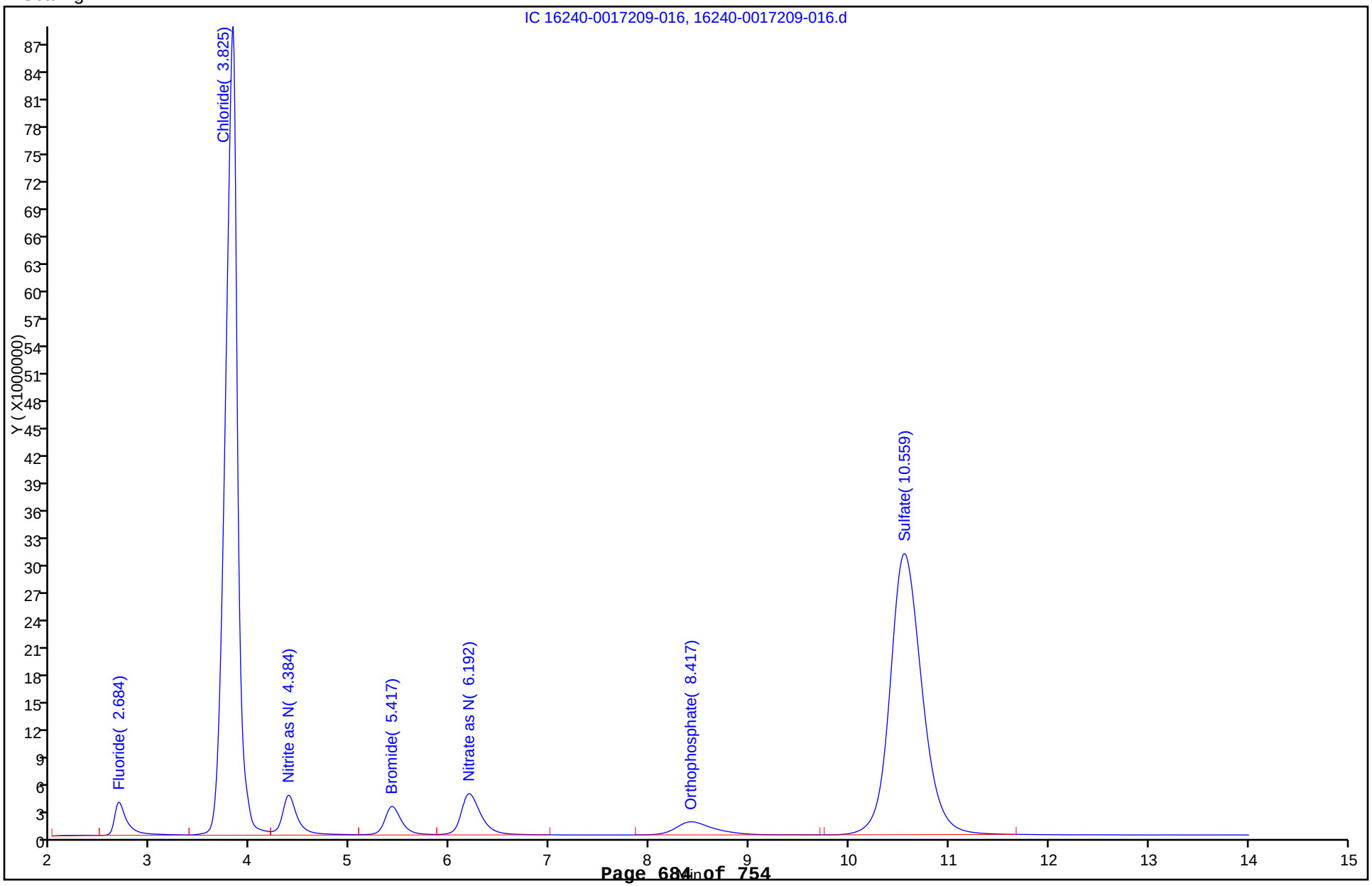
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Feb-2013 07:23:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\16240-0017209-016.d | | |
| Injection Date: | 07-Feb-2013 21:11:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-5 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 16 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



Manual Integration/User Assign Peak Report

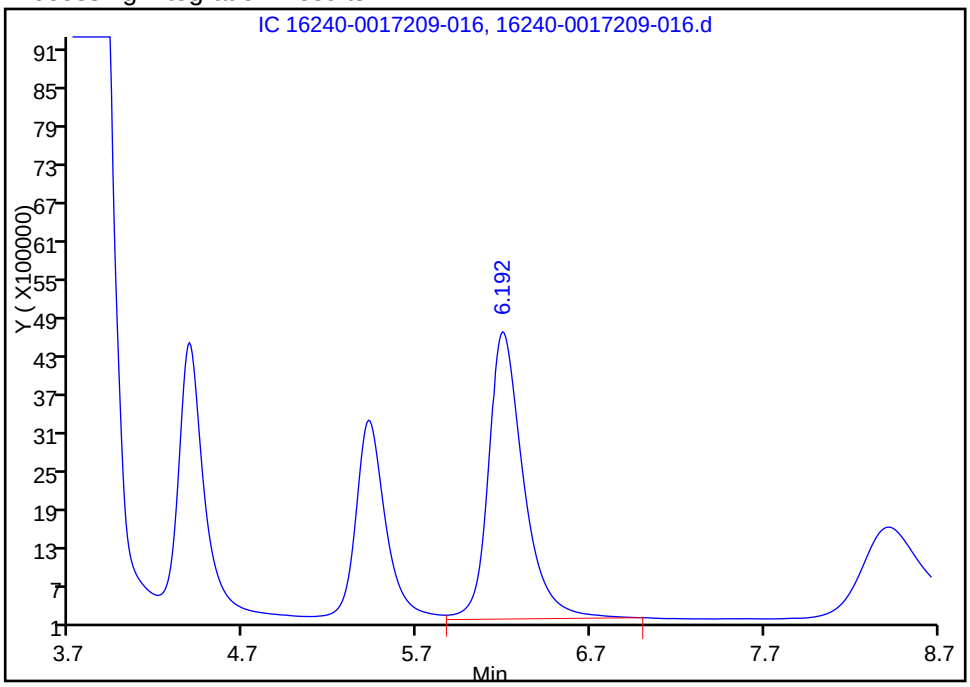
TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\16240-0017209-016.d | | |
| Injection Date: | 07-Feb-2013 21:11:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-5 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 16 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

5 Nitrate as N, Signal: 1, Type: quant, RT: 6.20

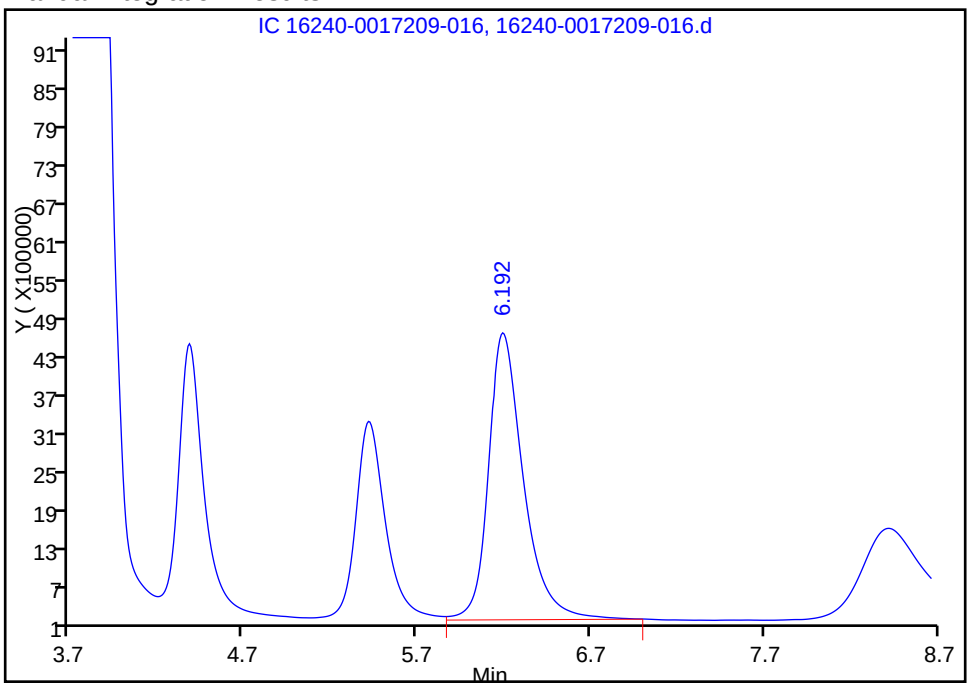
Processing Integration Results

RT: 6.19
Response: 63656127
Amount: 3.501843




Manual Integration Results

RT: 6.19
Response: 63281243
Amount: 3.481220




Reviewer: grossmanl, 08-Feb-2013 07:18:32
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\17240-0017209-017.d | | |
| Lims ID: | 240-20760-Y-12 MSD | Client ID: | OW-5 |
| Inject. Date: | 07-Feb-2013 21:27:00 | Dil. Factor: | 1.0000 |
| Sample Type: | MSD | | |
| Sample ID: | 240-0017209-017 | | |
| Misc. Info.: | 17 240-20760-Y-12 MSD | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 17 |
| Detector: | IC 17240-0017209-017 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:29 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |
| First Level Reviewer: grossmanl | | Date: | 08-Feb-2013 07:18:40 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 32753170 | 0 | M |
| 2 Chloride | 3.817 | 3.767 | 0.050 | 754228350 | 0 | M |
| 3 Nitrite as N | 4.375 | 4.367 | 0.008 | 46521732 | 2.94 | M |
| 4 Bromide | 5.409 | 5.417 | -0.008 | 37213023 | 0 | M |
| 5 Nitrate as N | 6.184 | 6.200 | -0.016 | 62809163 | 3.46 | M |
| 6 Orthophosphate | 8.392 | 8.367 | 0.025 | 39125951 | 4.86 | |
| 7 Sulfate | 10.517 | 10.558 | -0.041 | 681327173 | 0 | |

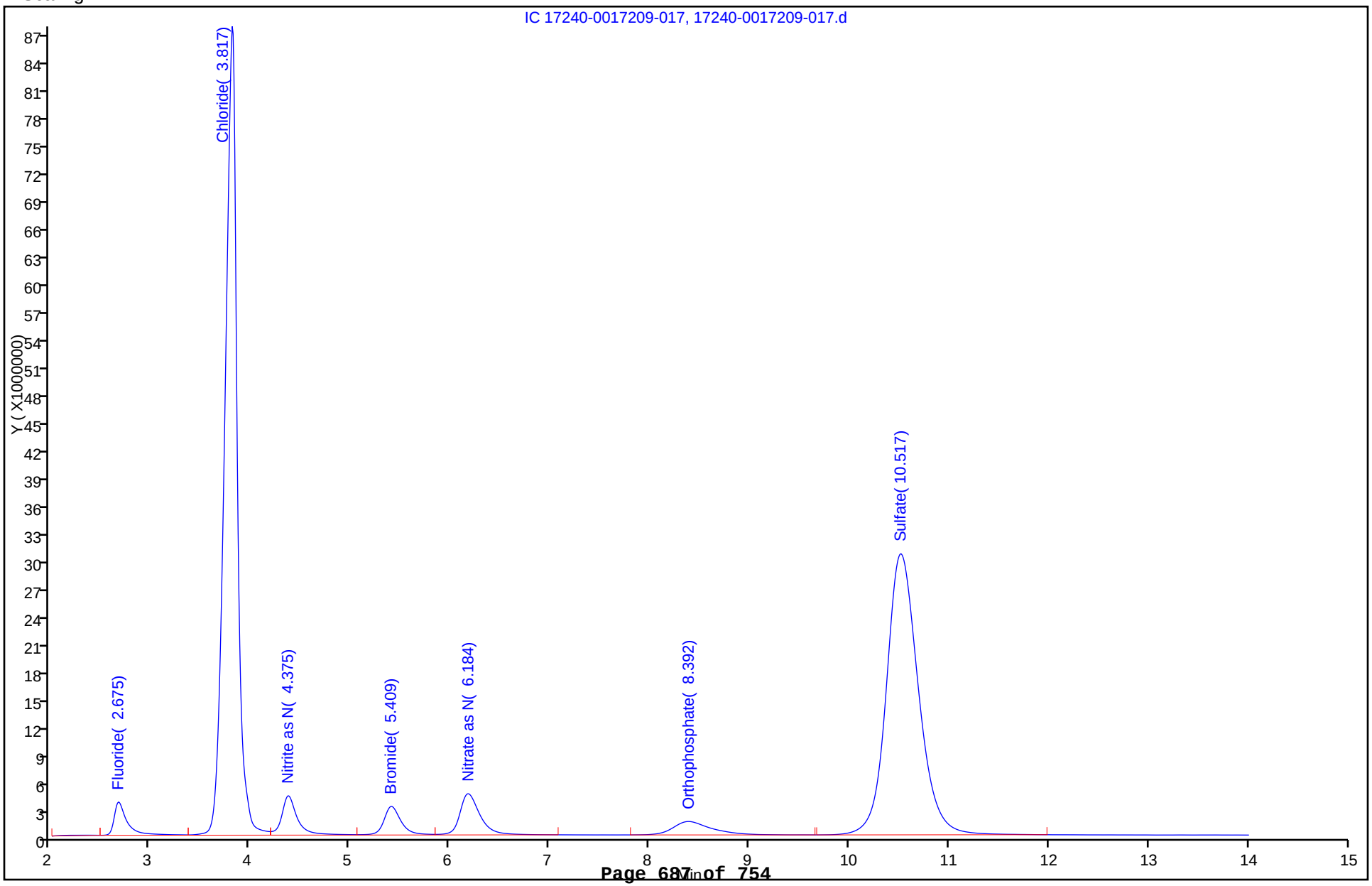
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Feb-2013 07:23:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\17240-0017209-017.d | | |
| Injection Date: | 07-Feb-2013 21:27:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-5 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 17 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



Manual Integration/User Assign Peak Report

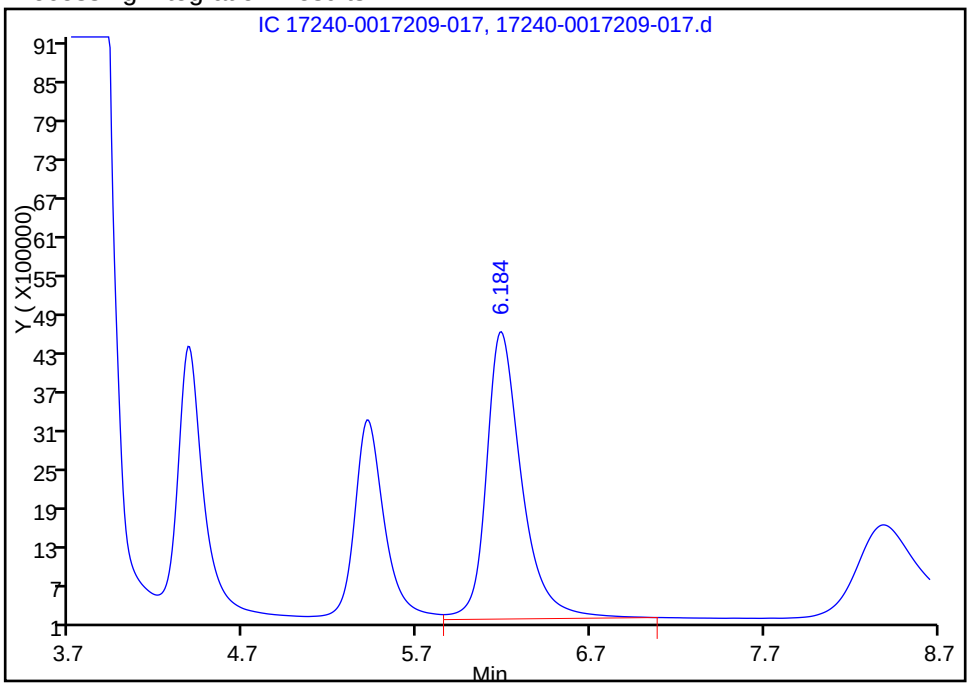
TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\17240-0017209-017.d | | |
| Injection Date: | 07-Feb-2013 21:27:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-5 | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 17 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

5 Nitrate as N, Signal: 1, Type: quant, RT: 6.20

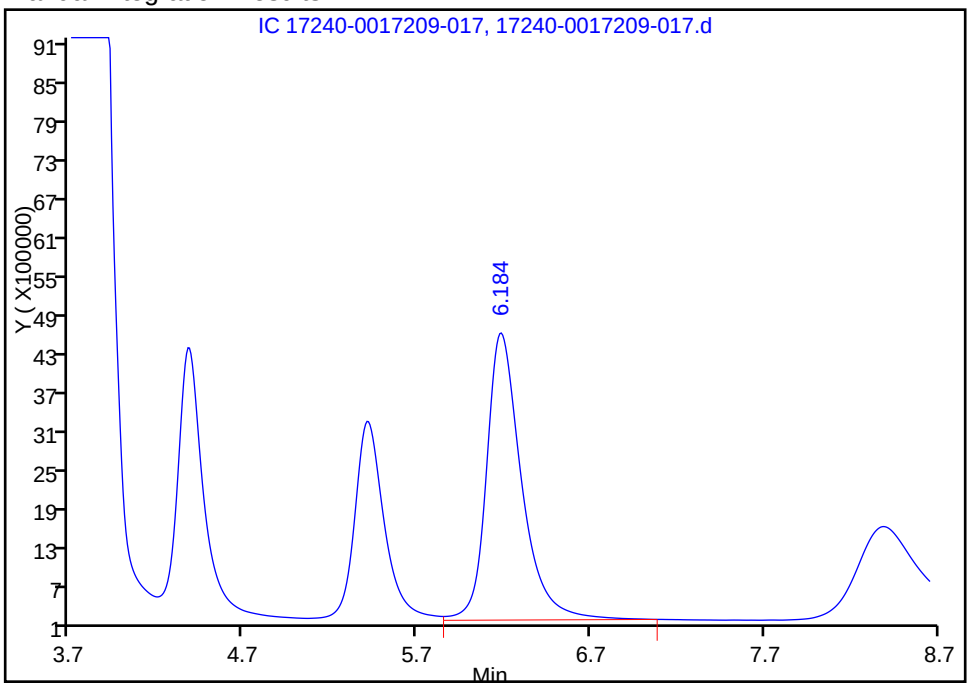
Processing Integration Results

RT: 6.18
Response: 63471130
Amount: 3.491666




Manual Integration Results

RT: 6.18
Response: 62809163
Amount: 3.455250




Reviewer: grossmanl, 08-Feb-2013 07:18:40
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\25240-0017209-025.d | | |
| Lims ID: | CCV | Client ID: | |
| Inject. Date: | 07-Feb-2013 23:38:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCV | | |
| Sample ID: | 240-0017209-025 | | |
| Misc. Info.: | 25 CCV | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 25 |
| Detector: | IC 25240-0017209-025 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:33 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.659 | 2.659 | 0.0 | 28008031 | 0 | |
| 2 Chloride | 3.750 | 3.750 | 0.0 | 576927195 | 0 | |
| 3 Nitrite as N | 4.342 | 4.342 | 0.0 | 91972996 | 5.82 | |
| 4 Bromide | 5.409 | 5.409 | 0.0 | 37551519 | 0 | |
| 5 Nitrate as N | 6.200 | 6.200 | 0.0 | 50066703 | 2.75 | |
| 6 Orthophosphate | 8.334 | 8.334 | 0.0 | 18993426 | 2.36 | |
| 7 Sulfate | 10.550 | 10.550 | 0.0 | 337463806 | 0 | |

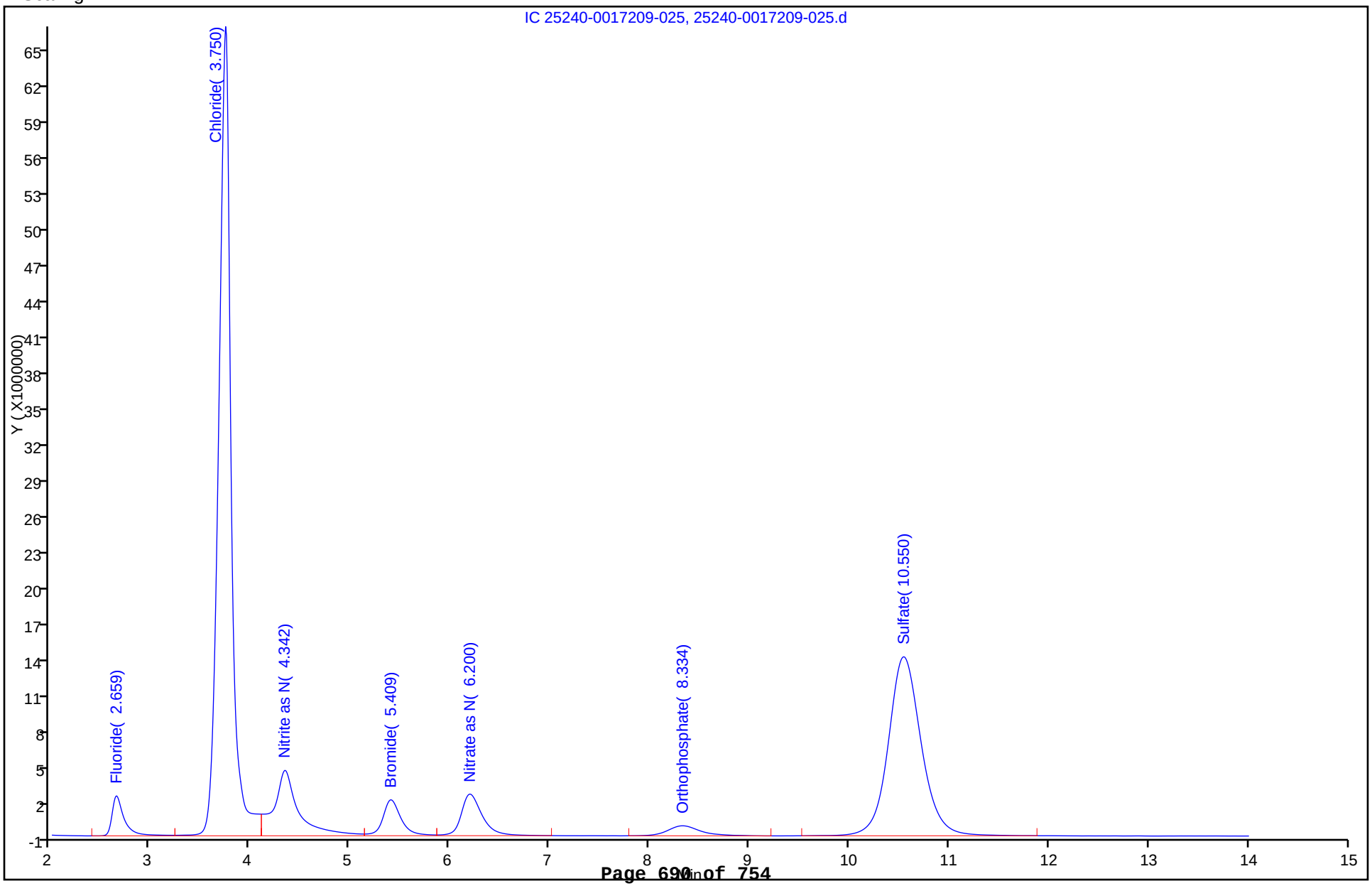
Report Date: 08-Feb-2013 07:23:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130207-17209.b\25240-0017209-025.d

| | | | |
|---|---|---|---|
| Injection Date: | 07-Feb-2013 23:38:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 25 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\26240-0017209-026.d | | |
| Lims ID: | CCB | Client ID: | |
| Inject. Date: | 07-Feb-2013 23:55:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCB | | |
| Sample ID: | 240-0017209-026 | | |
| Misc. Info.: | 26 CCB | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74666 | Lims Sample ID: | 26 |
| Detector: | IC 26240-0017209-026 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\300_Simon.m | | |
| Last Update: | 08-Feb-2013 07:23:33 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK018 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.659 | | | | 1 |
| 2 Chloride | | 3.750 | | | | |
| 3 Nitrite as N | | 4.342 | | | | 1 |
| 4 Bromide | | 5.409 | | | | 1 |
| 5 Nitrate as N | | 6.200 | | | | 1 |
| 6 Orthophosphate | 8.509 | 8.334 | 0.175 | 136339 | 0.0169 | 7 |
| 7 Sulfate | | 10.550 | | | | |

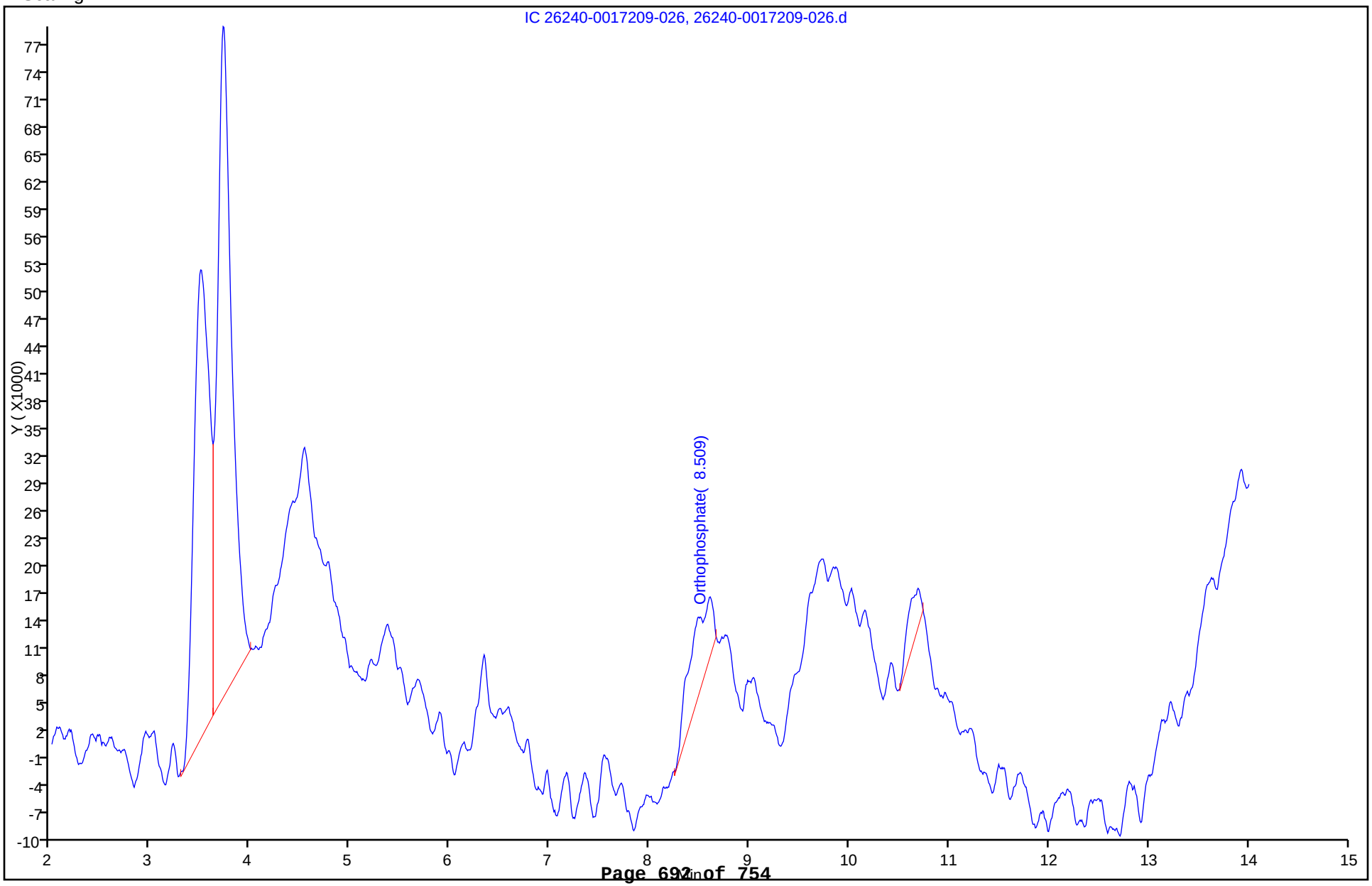
QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 08-Feb-2013 07:23:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130207-17209.b\26240-0017209-026.d | | |
| Injection Date: | 07-Feb-2013 23:55:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74666 | Lims Sample ID: | 26 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 75974  Batch Start Date: 02/20/13 08:00  Batch Analyst: Kuhle, Julie

Batch Method: 325.2  Batch End Date: 02/20/13 14:34

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WCCHLORIDESEC 00002 | WCCLCCV.1 00060 | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75974/3 | | 325.2 | | 4 mL | 4 mL | | 4 mL | | |
| CCB 240-75974/4 | | 325.2 | | 4 mL | 4 mL | | | | |
| MB 240-75974/5 | | 325.2 | | 4 mL | 4 mL | | | | |
| CCV 240-75974/6 | | 325.2 | | 4 mL | 4 mL | | 4 mL | | |
| CCB 240-75974/7 | | 325.2 | | 4 mL | 4 mL | | | | |
| LCS 240-75974/8 | | 325.2 | | 4 mL | 4 mL | | | | |
| CCV 240-75974/9 | | 325.2 | | 4 mL | 4 mL | | 4 mL | | |
| CCB 240-75974/10 | | 325.2 | | 4 mL | 4 mL | | | | |
| CCV 240-75974/11 | | 325.2 | | 4 mL | 4 mL | | 4 mL | | |
| CCB 240-75974/12 | | 325.2 | | 4 mL | 4 mL | | | | |
| 240-20760-I-8 | OW-2 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20760-I-10 | OW-6 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20760-I-11 | OW-8 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20760-Y-12 | OW-5 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20760-Y-12 MS | OW-5 | 325.2 | T | 4 mL | 4 mL | 0.1 mL | | | |
| 240-20760-Y-12 MSD | OW-5 | 325.2 | T | 4 mL | 4 mL | 0.1 mL | | | |
| CCV 240-75974/23 | | 325.2 | | 4 mL | 4 mL | | 4 mL | | |
| CCB 240-75974/24 | | 325.2 | | 4 mL | 4 mL | | | | |

| Batch Notes | |
|---|---|
| Color Reagent ID Number | 680800 |
| Pipette ID | 877823 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 75366  Batch Start Date: 02/13/13 18:40  Batch Analyst: Colon, Olguita

Batch Method: 310.1  Batch End Date: 02/14/13 00:49

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | CalcMsg | FinalAmount | WCALKMSMSD 00005 | WCPHENOMINER 00001 | |
|---|---|---|---|---|---|---|---|---|---|
| LCS 240-75366/2 | | 310.1 | | 50 mL | BuretStart2 is blank | 50 mL | | # mL | |
| MB 240-75366/3 | | 310.1 | | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20760-I-8 | OW-2 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20760-I-10 | OW-6 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20760-I-11 | OW-8 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20760-Y-12 DU | OW-5 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20760-Y-12 | OW-5 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20760-Y-12 MS | OW-5 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | 1 mL | | |
| 240-20760-Y-12 MSD | OW-5 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | 1 mL | | |

| Batch Notes | |
|---|---|
| pH Buffer 1 ID | 4- 811029 |
| pH Buffer 2 ID | 7- 849004 |
| pH Buffer 3 ID | 10- 811025 |
| Sulfuric Acid Lot Number | 832083 |
| Nominal Amount Used | 50 mL |
| Pipette ID | 380194 |
| Probe ID | WCP 91 |
| Normality of first Titrant | .02 N |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 75110  Batch Start Date: 02/12/13 16:39  Batch Analyst: Burns, Jill

Batch Method: 376.1  Batch End Date: 02/12/13 17:15

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TitrantVolume1 | IodineAmount | InitialAmount | FinalAmount | CalcMsg | WCSULFIDELCS 00350 |
|---|---|---|---|---|---|---|---|---|---|
| MB 240-75110/1 | | 376.1 | | 22.5 mL | 20 mL | 250 mL | 250 mL | OK | |
| LCS 240-75110/2 | | 376.1 | | 11.6 mL | 20 mL | 250 mL | 250 mL | OK | 2.5 mL |
| 240-20760-J-8 | OW-2 | 376.1 | T | 22.4 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20760-J-10 | OW-6 | 376.1 | T | 22.1 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20760-J-11 | OW-8 | 376.1 | T | 22.4 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20760-AC-12 | OW-5 | 376.1 | T | 22.4 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20760-AB-12 MS | OW-5 | 376.1 | T | 11.4 mL | 20 mL | 250 mL | 250 mL | OK | 2.5 mL |
| 240-20760-AD-12 MSD | OW-5 | 376.1 | T | 10.9 mL | 20 mL | 250 mL | 250 mL | OK | 2.5 mL |

| Batch Notes | |
|---|---|
| Batch Comment | 1:1 HCL--760754 |
| Iodine Lot Number | 858108 |
| Normality of Iodine Solution | .028742 N |
| Sodium Thiosulfate Lot Number | 858095 |
| Nominal Amount Used | 250 mL |
| Pipette ID | 377857 |
| Perform Calculation (0=No, 1=Yes) | 1 |
| Starch Lot Number | 846776 |
| Normality of first Titrant | .0253 N |
| Titrant Standardization Date | 02/12/13 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 68462  Batch Start Date: 12/13/12 06:12  Batch Analyst: Grossman, Lucas

Batch Method: 300.0  Batch End Date: 12/13/12 09:45

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | WCICCALSOLN 00081 | WCICLCS 00144 | | | |
|---|---|---|---|---|---|---|---|---|---|
| STD1 240-68462/3 | | 300.0 | | 1 mL | 0.025 mL | | | | |
| STD2 240-68462/4 | | 300.0 | | 1 mL | 0.125 mL | | | | |
| STD3 240-68462/5 | | 300.0 | | 1 mL | 0.25 mL | | | | |
| STD4 240-68462/6 | | 300.0 | | 1 mL | 0.5 mL | | | | |
| STD5 240-68462/7 | | 300.0 | | 1 mL | 1.25 mL | | | | |
| STD6 240-68462/8 | | 300.0 | | 1 mL | 2 mL | | | | |
| STD7 240-68462/9 | | 300.0 | | 1 mL | 2.5 mL | | | | |
| STD8 240-68462/10 | | 300.0 | | 1 mL | 3.75 mL | | | | |
| STD9 240-68462/11 | | 300.0 | | 1 mL | 5 mL | | | | |
| ICV 240-68462/13 | | 300.0 | | 1 mL | | 5 mL | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 74666  Batch Start Date: 02/07/13 17:05  Batch Analyst: Grossman, Lucas

Batch Method: 300.0  Batch End Date: 02/08/13 06:12

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | WCICCCV 00236 | WCICELUENT 00073 | WCICLCS 00159 | WCICSOLNA1 00007 | WCICSOLNB1 00007 |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-74666/1 | | 300.0 | | 5 mL | 5 mL | | | | |
| CCB 240-74666/2 | | 300.0 | | 5 mL | | 5 mL | | | |
| MB 240-74666/3 | | 300.0 | | 5 mL | | 5 mL | | | |
| LCS 240-74666/4 | | 300.0 | | 5 mL | | | 5 mL | | |
| 240-20760-I-10 | OW-6 | 300.0 | T | 5 mL | | | | | |
| 240-20760-I-11 | OW-8 | 300.0 | T | 5 mL | | | | | |
| 240-20760-I-8 | OW-2 | 300.0 | T | 5 mL | | | | | |
| CCV 240-74666/13 | | 300.0 | | 5 mL | 5 mL | | | | |
| CCB 240-74666/14 | | 300.0 | | 5 mL | | 5 mL | | | |
| 240-20760-Y-12 | OW-5 | 300.0 | T | 5 mL | | | | | |
| 240-20760-Y-12 MS | OW-5 | 300.0 | T | 5 mL | | | | 0.1 mL | 0.1 mL |
| 240-20760-Y-12 MSD | OW-5 | 300.0 | T | 5 mL | | | | 0.1 mL | 0.1 mL |
| CCV 240-74666/25 | | 300.0 | | 5 mL | 5 mL | | | | |
| CCB 240-74666/26 | | 300.0 | | 5 mL | | 5 mL | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-20760-1

SDG No.:

Batch Number: 75355 Batch Start Date: 02/14/13 09:35 Batch Analyst: Burns, Jill

Batch Method: 375.4 Batch End Date: 02/14/13 12:24

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WCSULFATESTD 00002 | WCWIBBYMINERA 00002 | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75355/11 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/12 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20760-I-8 | OW-2 | 375.4 | T | 4 mL | 4 mL | | | | |
| 240-20760-I-10 | OW-6 | 375.4 | T | 4 mL | 4 mL | | | | |
| 240-20760-I-11 | OW-8 | 375.4 | T | 4 mL | 4 mL | | | | |
| CCV 240-75355/16 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/17 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCV 240-75355/19 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/20 | | 375.4 | | 4 mL | 4 mL | | | | |
| MB 240-75355/21 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCV 240-75355/23 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/24 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20760-Y-12 | OW-5 | 375.4 | T | 4 mL | 4 mL | | | | |
| 240-20760-Y-12 MS | OW-5 | 375.4 | T | 4 mL | 4 mL | 0.1 mL | | | |
| 240-20760-Y-12 MSD | OW-5 | 375.4 | T | 4 mL | 4 mL | 0.1 mL | | | |
| CCV 240-75355/29 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/30 | | 375.4 | | 4 mL | 4 mL | | | | |
| LCS 240-75355/31 | | 375.4 | | 4 mL | 4 mL | | 4 mL | | |
| CCV 240-75355/35 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/36 | | 375.4 | | 4 mL | 4 mL | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 75355  Batch Start Date: 02/14/13 09:35  Batch Analyst: Burns, Jill

Batch Method: 375.4  Batch End Date: 02/14/13 12:24

| Batch Notes | |
|---|---|
| Conditioning Reagent ID | 815293 |
| Pipette ID | 377827, 377822 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 75428  Batch Start Date: 02/14/13 16:23  Batch Analyst: Harshman, Tom

Batch Method: 415.1  Batch End Date: 02/14/13 19:16

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WC LCS 00005 | WC TOC CCV 00119 | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75428/1 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75428/2 | | 415.1 | | 40 mL | 40 mL | | | | |
| MB 240-75428/3 | | 415.1 | | 40 mL | 40 mL | | | | |
| LCS 240-75428/4 | | 415.1 | | 40 mL | 40 mL | 40 mL | | | |
| 240-20760-S-12 | OW-5 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20760-S-12 MS | OW-5 | 415.1 | T | 40 mL | 40 mL | | 20 mL | | |
| 240-20760-S-12 MSD | OW-5 | 415.1 | T | 40 mL | 40 mL | | 20 mL | | |
| CCV 240-75428/12 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75428/13 | | 415.1 | | 40 mL | 40 mL | | | | |
| 240-20760-G-8 | OW-2 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20760-G-10 | OW-6 | 415.1 | T | 40 mL | 40 mL | | | | |
| CCV 240-75428/16 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75428/17 | | 415.1 | | 40 mL | 40 mL | | | | |

| Batch Notes | |
|---|---|
| Lot # of Phosphoric Acid | 836447 |
| Sodium Persulfate Reagent ID Number | 836449 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 75518  Batch Start Date: 02/15/13 08:26  Batch Analyst: Harshman, Tom

Batch Method: 415.1  Batch End Date: 02/15/13 14:02

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WC LCS 00005 | WC TOC CCV 00119 | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75518/1 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75518/2 | | 415.1 | | 40 mL | 40 mL | | | | |
| MB 240-75518/3 | | 415.1 | | 40 mL | 40 mL | | | | |
| LCS 240-75518/4 | | 415.1 | | 40 mL | 40 mL | 40 mL | | | |
| 240-20760-H-11 | OW-8 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20760-H-11 MS | OW-8 | 415.1 | T | 40 mL | 40 mL | | 20 mL | | |
| 240-20760-H-11 MSD | OW-8 | 415.1 | T | 40 mL | 40 mL | | 20 mL | | |
| CCV 240-75518/13 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75518/14 | | 415.1 | | 40 mL | 40 mL | | | | |

| Batch Notes | |
|---|---|
| Lot # of Phosphoric Acid | 836446 |
| Sodium Persulfate Reagent ID Number | 836449 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20760-1

SDG No.:

Batch Number: 74776  Batch Start Date: 02/08/13 13:39  Batch Analyst: Kuhle, Julie

Batch Method: Moisture  Batch End Date: 02/11/13 09:30

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DishWeight | SampleMassWet | SampleMassDry | | | |
|---|---|---|---|---|---|---|---|---|---|
| 240-20760-B-4 DU | SED-2 | Moisture | T | 4.4306 g | 14.0010 g | 5.8986 g | | | |
| 240-20760-A-4 | SED-2 | Moisture | T | 4.4306 g | 16.7274 g | 5.9337 g | | | |
| 240-20760-A-5 | SED-1 | Moisture | T | 4.4306 g | 16.8237 g | 10.0606 g | | | |
| 240-20760-A-6 | SED-DUP | Moisture | T | 4.4306 g | 17.3491 g | 10.0014 g | | | |

| Batch Notes | |
|---|---|
| Balance ID | B047 No Unit |
| Date samples were placed in the oven | 2/8/13 |
| Oven Temp when samples are put in oven | 103.0 Degrees C |
| Time samples were place in the oven | 14:00 |
| Date samples were removed from oven | 2/11/13 |
| Oven Temp when samples removed from oven | 103.6 Degrees C |
| Time Samples were removed from oven | 6:00 |
| Oven ID | 002 |
| ID number of the thermometer | TEMPGUARD BOX C #6 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# Shipping and Receiving Documents

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 240-20928-1

Job Description: C & D GW Sampling

For:
Monroeville, PA
1505 E Carson Street
Suite #200
Pittsburgh, PA 15203

Attention: Barbara Jones

Approved for release.
Nathan A Pietras
Project Manager II
2/22/2013 3:13 PM

Nathan A Pietras
Project Manager II
nathan.pietras@testamericainc.com
02/22/2013

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**TestAmerica Laboratories, Inc.**
TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

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## CASE NARRATIVE

## Client: Cardinal Resources

## Project: C & D GW Sampling

## Report Number: 240-20928-1

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

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

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

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

**RECEIPT**

The samples were received on 02/11/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.8 and 1.2 C.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples FIELD BLANK 3 (240-20928-1), OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), TRIP BLANK 2 (240-20928-6), FIELD BLANK 2 (240-20928-7), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), PUMP RINSATE BLANK (240-20928-11), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/14/2013 and 02/15/2013.

Tetrachloroethene failed the recovery criteria low for the MS of sample 240-20901-16 in batch 240-75453.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

**DISSOLVED GASES**

Samples OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 02/12/2013, 02/14/2013 and 02/19/2013.

Samples OW-10R (240-20928-2)[5X], OW-22 (240-20928-3)[5X], OW-18 (240-20928-8)[5X] and OW-19 (240-20928-10)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) RSK-175: The continuing calibration verification (CCV) for Ethane associated with batch 75041 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) RSK-175: The continuing calibration verification (CCV) for Ethane and Ethylene associated with batch 75041 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been

reported.

Method(s) RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 240-75673.

No difficulties were encountered during the dissolved gases analyses.

All quality control parameters were within the acceptance limits.

**ANIONS**

Samples OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 02/11/2013.

Method(s) 300.0: The following sample(s) was received outside of holding time: GW-DUP (240-20928-14), MW-4 (240-20928-5), OW-10R (240-20928-2), OW-13R (240-20928-13), OW-18 (240-20928-8), OW-19 (240-20928-10), OW-21 (240-20928-4), OW-22 (240-20928-3), OW-24 (240-20928-9), OW-25 (240-20928-12).

Nitrate as N failed the recovery criteria high for the MS of sample OW-10RMS (240-20928-2) in batch 240-74940.

Nitrate as N failed the recovery criteria high for the MS of sample OW-18MS (240-20928-8) in batch 240-74940.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

**ALKALINITY**

Samples OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for alkalinity in accordance with EPA Method 310.1. The samples were analyzed on 02/15/2013 and 02/19/2013.

Method(s) 310.1, SM 2320B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the second half of alkalinity batch 75599 were not spiked and therefor were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the alkalinity analyses.

All other quality control parameters were within the acceptance limits.

**CHLORIDE**

Samples OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for chloride in accordance with EPA Method 325.2. The samples were analyzed on 02/20/2013.

Sample OW-19 (240-20928-10)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the chloride analyses.

All quality control parameters were within the acceptance limits.

**SULFATE**

Samples OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for sulfate in accordance with EPA method 375.4. The samples were analyzed on 02/14/2013.

Samples OW-10R (240-20928-2)[5X], OW-21 (240-20928-4)[5X] and MW-4 (240-20928-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the sulfate analyses.

All quality control parameters were within the acceptance limits.

**SULFIDE**

Samples OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 02/13/2013 and 02/14/2013.

Method(s) 376.1: The sulfide sample result is more negative than the reporting limit due to possible matrix interference requiring the use of additional iodine to reach an end point.

Method(s) 376.1, SM 4500 S2 E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with sulfide batch 75235.

Method(s) 376.1, SM 4500 S2 E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with sulfide batch 75383.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

**TOTAL ORGANIC CARBON**

Samples OW-10R (240-20928-2), OW-22 (240-20928-3), OW-21 (240-20928-4), MW-4 (240-20928-5), OW-18 (240-20928-8), OW-24 (240-20928-9), OW-19 (240-20928-10), OW-25 (240-20928-12), OW-13R (240-20928-13) and GW-DUP (240-20928-14) were analyzed for total organic carbon in accordance with EPA Method 415.1. The samples were analyzed on 02/15/2013.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: SIMON Analysis Batch Number: 68462

Lab Sample ID: STD1 240-68462/3 IC Client Sample ID:

Date Analyzed: 12/13/12 06:45 Lab File ID: 3240-0015791-003.d GC Column: ID:

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| Nitrate as N | 6.95 | Baseline Event | grossmanl | 12/13/12 15:28 |
| Orthophosphate | 9.03 | Baseline Event | grossmanl | 12/13/12 15:28 |

## SAMPLE SUMMARY

Client: Cardinal Resources

Job Number: 240-20928-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 240-20928-1FB | FIELD BLANK 3 | Water | 02/08/2013 0915 | 02/11/2013 0830 |
| 240-20928-2 | OW-10R | Water | 02/08/2013 0955 | 02/11/2013 0830 |
| 240-20928-3 | OW-22 | Water | 02/08/2013 1055 | 02/11/2013 0830 |
| 240-20928-4 | OW-21 | Water | 02/08/2013 1235 | 02/11/2013 0830 |
| 240-20928-5 | MW-4 | Water | 02/08/2013 1355 | 02/11/2013 0830 |
| 240-20928-6TB | TRIP BLANK 2 | Water | 02/07/2013 0800 | 02/11/2013 0830 |
| 240-20928-7FB | FIELD BLANK 2 | Water | 02/07/2013 0830 | 02/11/2013 0830 |
| 240-20928-8 | OW-18 | Water | 02/07/2013 0855 | 02/11/2013 0830 |
| 240-20928-9 | OW-24 | Water | 02/07/2013 1045 | 02/11/2013 0830 |
| 240-20928-10 | OW-19 | Water | 02/07/2013 1240 | 02/11/2013 0830 |
| 240-20928-11RB | PUMP RINSATE BLANK | Water | 02/07/2013 1125 | 02/11/2013 0830 |
| 240-20928-12 | OW-25 | Water | 02/07/2013 1450 | 02/11/2013 0830 |
| 240-20928-13 | OW-13R | Water | 02/08/2013 0840 | 02/11/2013 0830 |
| 240-20928-14FD | GW-DUP | Water | 02/08/2013 0900 | 02/11/2013 0830 |

## EXECUTIVE SUMMARY - Detections

Client: Cardinal Resources Job Number: 240-20928-1

| Lab Sample ID / Analyte | Client Sample ID | Result | Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **240-20928-2** | **OW-10R** | | | | | |
| Benzene | | 2.8 | | 1.0 | ug/L | 8260B |
| Chlorobenzene | | 6.0 | | 1.0 | ug/L | 8260B |
| Chloroethane | | 1.3 | | 1.0 | ug/L | 8260B |
| Methane | | 2700 | | 2.5 | ug/L | RSK-175 |
| Alkalinity | | 280 | | 5.0 | mg/L | 310.1 |
| Chloride | | 2.3 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 28 | | 25 | mg/L | 375.4 |
| Total Organic Carbon | | 3.3 | | 1.0 | mg/L | 415.1 |
| **240-20928-3** | **OW-22** | | | | | |
| Benzene | | 6.2 | | 1.0 | ug/L | 8260B |
| Chlorobenzene | | 9.3 | | 1.0 | ug/L | 8260B |
| Methane | | 2400 | | 2.5 | ug/L | RSK-175 |
| Alkalinity | | 350 | | 5.0 | mg/L | 310.1 |
| Chloride | | 14 | | 1.0 | mg/L | 325.2 |
| Total Organic Carbon | | 10 | | 1.0 | mg/L | 415.1 |
| **240-20928-4** | **OW-21** | | | | | |
| Benzene | | 2.0 | | 1.0 | ug/L | 8260B |
| Methane | | 400 | | 0.50 | ug/L | RSK-175 |
| Alkalinity | | 280 | | 5.0 | mg/L | 310.1 |
| Chloride | | 5.2 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 29 | | 25 | mg/L | 375.4 |
| Total Organic Carbon | | 3.8 | | 1.0 | mg/L | 415.1 |
| **240-20928-5** | **MW-4** | | | | | |
| Benzene | | 1.2 | | 1.0 | ug/L | 8260B |
| Methane | | 55 | | 0.50 | ug/L | RSK-175 |
| Alkalinity | | 110 | | 5.0 | mg/L | 310.1 |
| Chloride | | 19 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 44 | | 25 | mg/L | 375.4 |
| Total Organic Carbon | | 1.7 | | 1.0 | mg/L | 415.1 |

## EXECUTIVE SUMMARY - Detections

Client: Cardinal Resources

Job Number: 240-20928-1

| Lab Sample ID / Analyte | Client Sample ID | Result | Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **240-20928-8** | **OW-18** | | | | | |
| Benzene | | 5.1 | | 1.0 | ug/L | 8260B |
| Chlorobenzene | | 11 | | 1.0 | ug/L | 8260B |
| Vinyl chloride | | 1.1 | | 1.0 | ug/L | 8260B |
| 1,4-Dichlorobenzene | | 1.4 | | 1.0 | ug/L | 8260B |
| Methane | | 4500 | | 2.5 | ug/L | RSK-175 |
| Ethane | | 0.51 | | 0.50 | ug/L | RSK-175 |
| Ethylene | | 0.53 | | 0.50 | ug/L | RSK-175 |
| Alkalinity | | 380 | | 5.0 | mg/L | 310.1 |
| Chloride | | 17 | | 1.0 | mg/L | 325.2 |
| Total Organic Carbon | | 14 | | 1.0 | mg/L | 415.1 |
| **240-20928-9** | **OW-24** | | | | | |
| Nitrate as N | | 0.20 | H | 0.10 | mg/L | 300.0 |
| Alkalinity | | 120 | | 5.0 | mg/L | 310.1 |
| Chloride | | 1.6 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 14 | | 5.0 | mg/L | 375.4 |
| **240-20928-10** | **OW-19** | | | | | |
| Benzene | | 2.5 | | 1.0 | ug/L | 8260B |
| Chlorobenzene | | 14 | | 1.0 | ug/L | 8260B |
| Chloroethane | | 1.2 | | 1.0 | ug/L | 8260B |
| Vinyl chloride | | 3.1 | | 1.0 | ug/L | 8260B |
| cis-1,2-Dichloroethene | | 1.1 | | 1.0 | ug/L | 8260B |
| 1,4-Dichlorobenzene | | 1.1 | | 1.0 | ug/L | 8260B |
| Methane | | 1300 | | 2.5 | ug/L | RSK-175 |
| Ethane | | 1.3 | | 0.50 | ug/L | RSK-175 |
| Ethylene | | 0.50 | | 0.50 | ug/L | RSK-175 |
| Alkalinity | | 310 | | 5.0 | mg/L | 310.1 |
| Chloride | | 110 | | 5.0 | mg/L | 325.2 |
| Sulfate | | 19 | | 5.0 | mg/L | 375.4 |
| Total Organic Carbon | | 12 | | 1.0 | mg/L | 415.1 |
| **240-20928-12** | **OW-25** | | | | | |
| Nitrate as N | | 3.9 | H | 0.10 | mg/L | 300.0 |
| Alkalinity | | 31 | | 5.0 | mg/L | 310.1 |
| Chloride | | 1.5 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 10 | | 5.0 | mg/L | 375.4 |
| Total Organic Carbon | | 2.2 | | 1.0 | mg/L | 415.1 |

## EXECUTIVE SUMMARY - Detections

Client: Cardinal Resources

Job Number: 240-20928-1

| Lab Sample ID / Analyte | Client Sample ID | Result | Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **240-20928-13** | **OW-13R** | | | | | |
| Benzene | | 5.4 | | 1.0 | ug/L | 8260B |
| cis-1,2-Dichloroethene | | 1.9 | | 1.0 | ug/L | 8260B |
| Methane | | 190 | | 0.50 | ug/L | RSK-175 |
| Nitrate as N | | 1.5 | H | 0.10 | mg/L | 300.0 |
| Alkalinity | | 290 | | 5.0 | mg/L | 310.1 |
| Chloride | | 3.3 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 28 | | 5.0 | mg/L | 375.4 |
| Sulfide | | 1.0 | | 1.0 | mg/L | 376.1 |
| Total Organic Carbon | | 3.7 | | 1.0 | mg/L | 415.1 |
| **240-20928-14FD** | **GW-DUP** | | | | | |
| Benzene | | 5.0 | | 1.0 | ug/L | 8260B |
| cis-1,2-Dichloroethene | | 1.8 | | 1.0 | ug/L | 8260B |
| Methane | | 210 | | 0.50 | ug/L | RSK-175 |
| Nitrate as N | | 1.6 | H | 0.10 | mg/L | 300.0 |
| Alkalinity | | 280 | | 5.0 | mg/L | 310.1 |
| Chloride | | 3.4 | | 1.0 | mg/L | 325.2 |
| Sulfate | | 29 | | 5.0 | mg/L | 375.4 |
| Total Organic Carbon | | 3.3 | | 1.0 | mg/L | 415.1 |

# METHOD SUMMARY

Client: Cardinal Resources

Job Number: 240-20928-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL NC | SW846 8260B | |
| Purge and Trap | TAL NC | | SW846 5030B |
| Dissolved Gases (GC) | TAL NC | RSK RSK-175 | |
| Anions, Ion Chromatography | TAL NC | MCAWW 300.0 | |
| Alkalinity | TAL NC | MCAWW 310.1 | |
| Chloride | TAL NC | MCAWW 325.2 | |
| Sulfate | TAL NC | MCAWW 375.4 | |
| Sulfide | TAL NC | MCAWW 376.1 | |
| TOC | TAL NC | MCAWW 415.1 | |

**Lab References:**

TAL NC = TestAmerica Canton

**Method References:**

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Cardinal Resources

Job Number: 240-20928-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B | Quayle, Rick | RQ |
| RSK RSK-175 | Jacobs, Chuck | CJ |
| RSK RSK-175 | Shock, Ray | RS |
| MCAWW 300.0 | Grossman, Lucas | LG |
| MCAWW 310.1 | Burns, Jill | JB |
| MCAWW 325.2 | Kuhle, Julie | JK |
| MCAWW 375.4 | Burns, Jill | JB |
| MCAWW 376.1 | Burns, Jill | JB |
| MCAWW 415.1 | Harshman, Tom | TH |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **FIELD BLANK 3**

Lab Sample ID: 240-20928-1FB
Client Matrix: Water

Date Sampled: 02/08/2013 0915
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2412.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2121 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2121 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **FIELD BLANK 3**

Lab Sample ID: 240-20928-1FB
Client Matrix: Water

Date Sampled: 02/08/2013 0915
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2412.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2121 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2121 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 |
| Toluene-d8 (Surr) | 82 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 93 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-10R**

Lab Sample ID: 240-20928-2
Client Matrix: Water

Date Sampled: 02/08/2013 0955
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2413.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2143 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2143 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 2.8 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | 6.0 | | 1.0 |
| Chloroethane | 1.3 | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-10R**

Lab Sample ID: 240-20928-2
Client Matrix: Water

Date Sampled: 02/08/2013 0955
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2413.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2143 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2143 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 84 | | 66 - 117 |
| Toluene-d8 (Surr) | 81 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 94 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-22**

Lab Sample ID: 240-20928-3
Client Matrix: Water

Date Sampled: 02/08/2013 1055
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2414.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2204 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2204 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 6.2 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | 9.3 | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-22**

Lab Sample ID: 240-20928-3
Client Matrix: Water

Date Sampled: 02/08/2013 1055
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2414.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2204 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2204 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 84 | | 66 - 117 |
| Toluene-d8 (Surr) | 81 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 88 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-21**

Lab Sample ID: 240-20928-4
Client Matrix: Water

Date Sampled: 02/08/2013 1235
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2415.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2225 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2225 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 2.0 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-21**

Lab Sample ID: 240-20928-4
Client Matrix: Water

Date Sampled: 02/08/2013 1235
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2415.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2225 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2225 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 |
| Toluene-d8 (Surr) | 81 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 92 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

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

Lab Sample ID: 240-20928-5
Client Matrix: Water

Date Sampled: 02/08/2013 1355
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2416.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2246 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2246 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 1.2 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

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

Lab Sample ID: 240-20928-5
Client Matrix: Water

Date Sampled: 02/08/2013 1355
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2416.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2246 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2246 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 82 | | 66 - 117 |
| Toluene-d8 (Surr) | 83 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 91 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **TRIP BLANK 2**

Lab Sample ID: 240-20928-6TB
Client Matrix: Water

Date Sampled: 02/07/2013 0800
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2417.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2308 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2308 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **TRIP BLANK 2**

Lab Sample ID: 240-20928-6TB
Client Matrix: Water

Date Sampled: 02/07/2013 0800
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2417.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2308 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2308 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 |
| Toluene-d8 (Surr) | 82 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 94 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **FIELD BLANK 2**

Lab Sample ID: 240-20928-7FB
Client Matrix: Water

Date Sampled: 02/07/2013 0830
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2418.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2329 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2329 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **FIELD BLANK 2**

Lab Sample ID: 240-20928-7FB
Client Matrix: Water

Date Sampled: 02/07/2013 0830
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2418.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 2329 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 2329 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 85 | | 66 - 117 |
| Toluene-d8 (Surr) | 84 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 89 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-18**

Lab Sample ID: 240-20928-8
Client Matrix: Water

Date Sampled: 02/07/2013 0855
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2435.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1522 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1522 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 5.1 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | 11 | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | 1.1 | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | 1.4 | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-18**

Lab Sample ID: 240-20928-8
Client Matrix: Water

Date Sampled: 02/07/2013 0855
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2435.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1522 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1522 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 78 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 86 | | 66 - 117 |
| Toluene-d8 (Surr) | 87 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 86 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-24**

Lab Sample ID: 240-20928-9
Client Matrix: Water

Date Sampled: 02/07/2013 1045
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2436.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1544 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1544 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-24**

Lab Sample ID: 240-20928-9
Client Matrix: Water

Date Sampled: 02/07/2013 1045
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2436.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1544 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1544 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 77 | | 66 - 117 |
| Toluene-d8 (Surr) | 87 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 86 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-19**

Lab Sample ID: 240-20928-10
Client Matrix: Water

Date Sampled: 02/07/2013 1240
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2437.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1605 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1605 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 2.5 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | 14 | | 1.0 |
| Chloroethane | 1.2 | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | 3.1 | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | 1.1 | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | 1.1 | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-19**

Lab Sample ID: 240-20928-10
Client Matrix: Water

Date Sampled: 02/07/2013 1240
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2437.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1605 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1605 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 79 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 83 | | 66 - 117 |
| Toluene-d8 (Surr) | 88 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 86 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **PUMP RINSATE BLANK**

Lab Sample ID: 240-20928-11RB
Client Matrix: Water

Date Sampled: 02/07/2013 1125
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2438.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1627 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1627 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **PUMP RINSATE BLANK**

Lab Sample ID: 240-20928-11RB
Client Matrix: Water

Date Sampled: 02/07/2013 1125
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2438.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1627 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1627 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 78 | | 66 - 117 |
| Toluene-d8 (Surr) | 88 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 87 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-25**

Lab Sample ID: 240-20928-12
Client Matrix: Water

Date Sampled: 02/07/2013 1450
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2439.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1649 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1649 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-25**

Lab Sample ID: 240-20928-12
Client Matrix: Water

Date Sampled: 02/07/2013 1450
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2439.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1649 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1649 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 81 | | 66 - 117 |
| Toluene-d8 (Surr) | 87 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 92 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-13R**

Lab Sample ID: 240-20928-13
Client Matrix: Water

Date Sampled: 02/08/2013 0840
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2440.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1711 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1711 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 5.4 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | 1.9 | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-13R**

Lab Sample ID: 240-20928-13
Client Matrix: Water

Date Sampled: 02/08/2013 0840
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2440.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1711 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1711 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 79 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 78 | | 66 - 117 |
| Toluene-d8 (Surr) | 87 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 86 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **GW-DUP**

Lab Sample ID: 240-20928-14FD
Client Matrix: Water

Date Sampled: 02/08/2013 0900
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2441.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1732 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1732 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | 5.0 | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | 1.8 | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |
| Trichlorofluoromethane | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **GW-DUP**

Lab Sample ID: 240-20928-14FD
Client Matrix: Water

Date Sampled: 02/08/2013 0900
Date Received: 02/11/2013 0830

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | 8260B | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Prep Method: | 5030B | Prep Batch: | N/A | Lab File ID: | UXX2441.D |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1732 | | | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1732 | | | | |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 78 | | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 79 | | 66 - 117 |
| Toluene-d8 (Surr) | 89 | | 74 - 115 |
| Dibromofluoromethane (Surr) | 86 | | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-10R**

Lab Sample ID: 240-20928-2
Client Matrix: Water

Date Sampled: 02/08/2013 0955
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1924 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 97 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-10R**

Lab Sample ID: 240-20928-2
Client Matrix: Water

Date Sampled: 02/08/2013 0955
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 5.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1741 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 2700 | | 2.5 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 100 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-22**

Lab Sample ID: 240-20928-3
Client Matrix: Water

Date Sampled: 02/08/2013 1055
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1936 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 88 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-22**

Lab Sample ID: 240-20928-3
Client Matrix: Water

Date Sampled: 02/08/2013 1055
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 5.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1818 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 2400 | | 2.5 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 98 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-21**

Lab Sample ID: 240-20928-4
Client Matrix: Water

Date Sampled: 02/08/2013 1235
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1949 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 400 | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 95 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

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

Lab Sample ID: 240-20928-5
Client Matrix: Water

Date Sampled: 02/08/2013 1355
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 2001 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 55 | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 98 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-18**

Lab Sample ID: 240-20928-8
Client Matrix: Water

Date Sampled: 02/07/2013 0855
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 2013 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Ethylene | 0.53 | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 65 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-18**

Lab Sample ID: 240-20928-8
Client Matrix: Water

Date Sampled: 02/07/2013 0855
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1830 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Ethane | 0.51 | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 88 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-18**

Lab Sample ID: 240-20928-8
Client Matrix: Water

Date Sampled: 02/07/2013 0855
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 5.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1842 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 4500 | | 2.5 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 95 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-24**

Lab Sample ID: 240-20928-9
Client Matrix: Water

Date Sampled: 02/07/2013 1045
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 2025 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 95 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-19**

Lab Sample ID: 240-20928-10
Client Matrix: Water

Date Sampled: 02/07/2013 1240
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1855 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Ethane | 1.3 | | 0.50 |
| Ethylene | 0.50 | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 84 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-19**

Lab Sample ID: 240-20928-10
Client Matrix: Water

Date Sampled: 02/07/2013 1240
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75709 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 5.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/19/2013 1205 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 1300 | | 2.5 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 88 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-25**

Lab Sample ID: 240-20928-12
Client Matrix: Water

Date Sampled: 02/07/2013 1450
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1907 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 91 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **OW-13R**

Lab Sample ID: 240-20928-13
Client Matrix: Water

Date Sampled: 02/08/2013 0840
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1919 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 190 | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 64 | | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Client Sample ID:** **GW-DUP**

Lab Sample ID: 240-20928-14FD
Client Matrix: Water

Date Sampled: 02/08/2013 0900
Date Received: 02/11/2013 0830

**RSK-175 Dissolved Gases (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Analysis Method: | RSK-175 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| | N/A | | N/A | Initial Weight/Volume: | 17 mL |
| Dilution: | 1.0 | | | Final Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1931 | | | Injection Volume: | |
| Prep Date: | N/A | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL |
|---|---|---|---|
| Methane | 210 | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 86 | | 40 - 122 |

**General Chemistry**

**Client Sample ID:** **OW-10R**

Lab Sample ID: 240-20928-2 Date Sampled: 02/08/2013 0955
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1953 | | | | | |
| Alkalinity | 280 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75599 | Analysis Date: 02/15/2013 2117 | | | | | |
| Chloride | 2.3 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | 28 | | mg/L | 25 | 5.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1218 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75235 | Analysis Date: 02/13/2013 1515 | | | | | |
| Total Organic Carbon | 3.3 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1108 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-22**

Lab Sample ID: 240-20928-3 Date Sampled: 02/08/2013 1055
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1742 | | | | | |
| Alkalinity | 350 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75599 | Analysis Date: 02/15/2013 2129 | | | | | |
| Chloride | 14 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | ND | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1015 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75235 | Analysis Date: 02/13/2013 1519 | | | | | |
| Total Organic Carbon | 10 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1119 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-21**

Lab Sample ID: 240-20928-4 Date Sampled: 02/08/2013 1235
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1653 | | | | | |
| Alkalinity | 280 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75989 | Analysis Date: 02/19/2013 1648 | | | | | |
| Chloride | 5.2 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | 29 | | mg/L | 25 | 5.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1220 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75235 | Analysis Date: 02/13/2013 1522 | | | | | |
| Total Organic Carbon | 3.8 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1130 | | | | | |

**General Chemistry**

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

Lab Sample ID: 240-20928-5 Date Sampled: 02/08/2013 1355
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1636 | | | | | |
| Alkalinity | 110 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75989 | Analysis Date: 02/19/2013 1655 | | | | | |
| Chloride | 19 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1246 | | | | | |
| Sulfate | 44 | | mg/L | 25 | 5.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1043 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75235 | Analysis Date: 02/13/2013 1526 | | | | | |
| Total Organic Carbon | 1.7 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1141 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-18**

Lab Sample ID: 240-20928-8 Date Sampled: 02/07/2013 0855
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1709 | | | | | |
| Alkalinity | 380 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75599 | Analysis Date: 02/15/2013 2142 | | | | | |
| Chloride | 17 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1248 | | | | | |
| Sulfate | ND | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1019 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75235 | Analysis Date: 02/13/2013 1530 | | | | | |
| Total Organic Carbon | 14 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1152 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-24**

Lab Sample ID: 240-20928-9 Date Sampled: 02/07/2013 1045
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | 0.20 | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1758 | | | | | |
| Alkalinity | 120 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75599 | Analysis Date: 02/15/2013 2149 | | | | | |
| Chloride | 1.6 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1248 | | | | | |
| Sulfate | 14 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1138 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75235 | Analysis Date: 02/13/2013 1534 | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1203 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-19**

Lab Sample ID: 240-20928-10 Date Sampled: 02/07/2013 1240
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1920 | | | | | |
| Alkalinity | 310 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75599 | Analysis Date: 02/15/2013 2200 | | | | | |
| Chloride | 110 | | mg/L | 5.0 | 5.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1256 | | | | | |
| Sulfate | 19 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1139 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75235 | Analysis Date: 02/13/2013 1538 | | | | | |
| Total Organic Carbon | 12 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1214 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-25**

Lab Sample ID: 240-20928-12 Date Sampled: 02/07/2013 1450
Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | 3.9 | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1815 | | | | | |
| Alkalinity | 31 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75599 | Analysis Date: 02/15/2013 2205 | | | | | |
| Chloride | 1.5 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1248 | | | | | |
| Sulfate | 10 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1139 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75383 | Analysis Date: 02/14/2013 1510 | | | | | |
| Total Organic Carbon | 2.2 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1224 | | | | | |

**General Chemistry**

**Client Sample ID:** **OW-13R**

Lab Sample ID: 240-20928-13 Date Sampled: 02/08/2013 0840

Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | 1.5 | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1904 | | | | | |
| Alkalinity | 290 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75989 | Analysis Date: 02/19/2013 1705 | | | | | |
| Chloride | 3.3 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1248 | | | | | |
| Sulfate | 28 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1139 | | | | | |
| Sulfide | 1.0 | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75383 | Analysis Date: 02/14/2013 1516 | | | | | |
| Total Organic Carbon | 3.7 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1235 | | | | | |

**General Chemistry**

**Client Sample ID:** **GW-DUP**

Lab Sample ID: 240-20928-14FD Date Sampled: 02/08/2013 0900

Client Matrix: Water Date Received: 02/11/2013 0830

| Analyte | Result | Qual | Units | RL | Dil | Method |
|---|---|---|---|---|---|---|
| Nitrate as N | 1.6 | H | mg/L | 0.10 | 1.0 | 300.0 |
| Analysis Batch: 240-74940 | Analysis Date: 02/11/2013 1937 | | | | | |
| Alkalinity | 280 | | mg/L | 5.0 | 1.0 | 310.1 |
| Analysis Batch: 240-75989 | Analysis Date: 02/19/2013 1716 | | | | | |
| Chloride | 3.4 | | mg/L | 1.0 | 1.0 | 325.2 |
| Analysis Batch: 240-75974 | Analysis Date: 02/20/2013 1248 | | | | | |
| Sulfate | 29 | | mg/L | 5.0 | 1.0 | 375.4 |
| Analysis Batch: 240-75355 | Analysis Date: 02/14/2013 1149 | | | | | |
| Sulfide | ND | | mg/L | 1.0 | 1.0 | 376.1 |
| Analysis Batch: 240-75383 | Analysis Date: 02/14/2013 1522 | | | | | |
| Total Organic Carbon | 3.3 | | mg/L | 1.0 | 1.0 | 415.1 |
| Analysis Batch: 240-75518 | Analysis Date: 02/15/2013 1308 | | | | | |

TestAmerica Laboratories
Initial Calibration Report

Method: \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m
Instrument: SIMON Lims Location: 240
Lock State: Unlocked Cpnd Order: Retention Time
Integrator: Falcon Last Modified: 13-Dec-2012 16:45:03
No.Compounds:7

## Initial Calibration Batches

Ical Batch: \\Ncchrom\ChromData\SIMON\20121213-15791.b
Inj Date : 13-Dec-2012 06:45:00, Sublist: chrom-300_Simon*sub1

Limit Group: WET IC SH ICAL

Detector 1: IC 0001

| Compound | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 | Level 9 | b | M1 | M2 | %RSD/R^2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 Nitrite as N | 11555940 | 14914852 | 15579954 | 15498024 | 16306465 | 16406021 | 16806797 | 17265645 | 17875830 | | 15801059 | | Avg 12 |
| 5 Nitrate as N | 14171580 | 15622316 | 16187708 | 17478419 | 18902194 | 19587271 | 19690239 | 20454417 | 21506899 | | 18177894 | | Avg 13 |
| 6 Orthophosphate | 11258720 | 6913776 | 6895844 | 7507929 | 7942666 | 7867375 | 7909636 | 8005727 | 8190060 | | 8054637 | | Avg 16 |

Client: Cardinal Resources

Job Number: 240-20928-1

## Surrogate Recovery Report

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | DBFM %Rec | DCA %Rec | TOL %Rec | BFB %Rec |
|---|---|---|---|---|---|
| 240-20928-1 | FIELD BLANK 3 | 93 | 83 | 82 | 80 |
| 240-20928-2 | OW-10R | 94 | 83 | 81 | 84 |
| 240-20928-3 | OW-22 | 88 | 84 | 81 | 84 |
| 240-20928-4 | OW-21 | 92 | 84 | 81 | 80 |
| 240-20928-5 | MW-4 | 91 | 90 | 83 | 82 |
| 240-20928-6 | TRIP BLANK 2 | 94 | 88 | 82 | 80 |
| 240-20928-7 | FIELD BLANK 2 | 89 | 83 | 84 | 85 |
| 240-20928-8 | OW-18 | 86 | 78 | 87 | 86 |
| 240-20928-9 | OW-24 | 86 | 81 | 87 | 77 |
| 240-20928-10 | OW-19 | 86 | 79 | 88 | 83 |
| 240-20928-11 | PUMP RINSATE BLANK | 87 | 81 | 88 | 78 |
| 240-20928-12 | OW-25 | 92 | 81 | 87 | 81 |
| 240-20928-13 | OW-13R | 86 | 79 | 87 | 78 |
| 240-20928-14 | GW-DUP | 86 | 78 | 89 | 79 |
| MB 240-75367/6 | | 90 | 84 | 83 | 83 |
| MB 240-75453/5 | | 83 | 79 | 87 | 83 |
| LCS 240-75367/5 | | 83 | 83 | 88 | 101 |
| LCS 240-75453/4 | | 86 | 81 | 95 | 98 |

| Surrogate | Acceptance Limits |
|---|---|
| DBFM = Dibromofluoromethane (Surr) | 75-121 |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 63-129 |
| TOL = Toluene-d8 (Surr) | 74-115 |
| BFB = 4-Bromofluorobenzene (Surr) | 66-117 |

Client: Cardinal Resources

Job Number: 240-20928-1

## Surrogate Recovery Report

**RSK-175 Dissolved Gases (GC)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | TFE1 %Rec |
|---|---|---|
| 240-20928-2 | OW-10R | 97 |
| 240-20928-2 | OW-10R | 100 |
| 240-20928-3 | OW-22 | 88 |
| 240-20928-3 | OW-22 | 98 |
| 240-20928-4 | OW-21 | 95 |
| 240-20928-5 | MW-4 | 98 |
| 240-20928-8 | OW-18 | 65 |
| 240-20928-8 | OW-18 | 88 |
| 240-20928-8 | OW-18 | 95 |
| 240-20928-9 | OW-24 | 95 |
| 240-20928-10 | OW-19 | 84 |
| 240-20928-10 | OW-19 | 88 |
| 240-20928-12 | OW-25 | 91 |
| 240-20928-13 | OW-13R | 64 |
| 240-20928-14 | GW-DUP | 86 |
| MB 240-75041/3 | | 113 |
| MB 240-75339/3 | | 116 |
| MB 240-75709/4 | | 114 |
| LCS 240-75041/4 | | 110 |
| LCS 240-75339/4 | | 115 |
| LCS 240-75339/5 | | 97 |
| LCS 240-75339/6 | | 111 |
| LCS 240-75339/7 | | 108 |
| LCS 240-75709/5 | | 112 |
| 240-20928-2 MS | OW-10R MS | 99 |
| 240-20928-2 MSD | OW-10R MSD | 99 |

| Surrogate | Acceptance Limits |
|---|---|
| TFE = 1,1,1-Trifluoroethane | 40-122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75367**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75367/6 | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2398.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 1622 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 1622 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75367**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75367/6 | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2398.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 1622 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 1622 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Trichlorofluoromethane | ND | | 1.0 |
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 84 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 83 | 66 - 117 |
| Toluene-d8 (Surr) | 83 | 74 - 115 |
| Dibromofluoromethane (Surr) | 90 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Lab Control Sample - Batch: 240-75367**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75367/5 | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2397.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 1600 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 1600 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Acetone | 20.0 | 19.1 | 95 | 43 - 136 | |
| Benzene | 10.0 | 10.4 | 104 | 83 - 112 | |
| Dichlorobromomethane | 10.0 | 10.2 | 102 | 72 - 121 | |
| Bromoform | 10.0 | 8.98 | 90 | 40 - 131 | |
| Bromomethane | 10.0 | 9.43 | 94 | 11 - 185 | |
| 2-Butanone (MEK) | 20.0 | 18.5 | 92 | 60 - 126 | |
| Carbon disulfide | 10.0 | 10.1 | 101 | 62 - 142 | |
| Carbon tetrachloride | 10.0 | 10.2 | 102 | 66 - 128 | |
| Chlorobenzene | 10.0 | 9.86 | 99 | 85 - 110 | |
| Chloroethane | 10.0 | 9.83 | 98 | 25 - 153 | |
| Chloroform | 10.0 | 9.77 | 98 | 79 - 117 | |
| Chloromethane | 10.0 | 10.4 | 104 | 44 - 126 | |
| 1,1-Dichloroethane | 10.0 | 10.1 | 101 | 82 - 115 | |
| 1,2-Dichloroethane | 10.0 | 9.97 | 100 | 71 - 127 | |
| 1,1-Dichloroethene | 10.0 | 10.6 | 106 | 78 - 131 | |
| 1,2-Dichloropropane | 10.0 | 10.5 | 105 | 81 - 115 | |
| cis-1,3-Dichloropropene | 10.0 | 9.55 | 95 | 61 - 115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.52 | 95 | 58 - 117 | |
| Ethylbenzene | 10.0 | 10.3 | 103 | 83 - 112 | |
| 2-Hexanone | 20.0 | 18.1 | 90 | 55 - 133 | |
| Methylene Chloride | 10.0 | 9.59 | 96 | 66 - 131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 19.7 | 98 | 63 - 128 | |
| Styrene | 10.0 | 9.75 | 97 | 79 - 114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.53 | 95 | 68 - 118 | |
| Tetrachloroethene | 10.0 | 9.65 | 97 | 79 - 114 | |
| Toluene | 10.0 | 10.0 | 100 | 84 - 111 | |
| Trichloroethene | 10.0 | 10.3 | 103 | 76 - 117 | |
| Vinyl chloride | 10.0 | 10.5 | 105 | 53 - 127 | |
| Xylenes, Total | 30.0 | 31.3 | 104 | 83 - 112 | |
| 1,1,1-Trichloroethane | 10.0 | 9.71 | 97 | 74 - 118 | |
| 1,1,2-Trichloroethane | 10.0 | 9.88 | 99 | 80 - 112 | |
| Cyclohexane | 10.0 | 10.1 | 101 | 54 - 121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 9.95 | 99 | 42 - 136 | |
| Ethylene Dibromide | 10.0 | 9.79 | 98 | 79 - 113 | |
| Dichlorodifluoromethane | 10.0 | 9.54 | 95 | 19 - 129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.95 | 99 | 80 - 113 | |
| trans-1,2-Dichloroethene | 10.0 | 10.1 | 101 | 83 - 117 | |
| Isopropylbenzene | 10.0 | 10.7 | 107 | 75 - 114 | |
| Methyl acetate | 10.0 | ND | 93 | 58 - 131 | |
| Methyl tert-butyl ether | 10.0 | 9.31 | 93 | 52 - 144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 11.4 | 114 | 74 - 151 | |
| 1,2,4-Trichlorobenzene | 10.0 | 8.88 | 89 | 48 - 135 | |
| 1,2-Dichlorobenzene | 10.0 | 10.3 | 103 | 81 - 110 | |
| 1,3-Dichlorobenzene | 10.0 | 10.1 | 101 | 80 - 110 | |
| 1,4-Dichlorobenzene | 10.0 | 9.59 | 96 | 82 - 110 | |
| Trichlorofluoromethane | 10.0 | 10.2 | 102 | 49 - 157 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Lab Control Sample - Batch: 240-75367**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75367/5 | Analysis Batch: | 240-75367 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2397.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/14/2013 1600 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/14/2013 1600 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Chlorodibromomethane | 10.0 | 9.78 | 98 | 64 - 119 | |
| Methylcyclohexane | 10.0 | 10.3 | 103 | 56 - 127 | |
| m-Xylene & p-Xylene | 20.0 | 20.9 | 104 | 83 - 113 | |
| o-Xylene | 10.0 | 10.4 | 104 | 83 - 113 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 101 | 66 - 117 |
| Toluene-d8 (Surr) | 88 | 74 - 115 |
| Dibromofluoromethane (Surr) | 83 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75453**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75453/5 | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2424.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1118 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1118 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Acetone | ND | | 10 |
| Benzene | ND | | 1.0 |
| Dichlorobromomethane | ND | | 1.0 |
| Bromoform | ND | | 1.0 |
| Bromomethane | ND | | 1.0 |
| 2-Butanone (MEK) | ND | | 10 |
| Carbon disulfide | ND | | 1.0 |
| Carbon tetrachloride | ND | | 1.0 |
| Chlorobenzene | ND | | 1.0 |
| Chloroethane | ND | | 1.0 |
| Chloroform | ND | | 1.0 |
| Chloromethane | ND | | 1.0 |
| 1,1-Dichloroethane | ND | | 1.0 |
| 1,2-Dichloroethane | ND | | 1.0 |
| 1,1-Dichloroethene | ND | | 1.0 |
| 1,2-Dichloropropane | ND | | 1.0 |
| cis-1,3-Dichloropropene | ND | | 1.0 |
| trans-1,3-Dichloropropene | ND | | 1.0 |
| Ethylbenzene | ND | | 1.0 |
| 2-Hexanone | ND | | 10 |
| Methylene Chloride | ND | | 1.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 |
| Styrene | ND | | 1.0 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 |
| Tetrachloroethene | ND | | 1.0 |
| Toluene | ND | | 1.0 |
| Trichloroethene | ND | | 1.0 |
| Vinyl chloride | ND | | 1.0 |
| Xylenes, Total | ND | | 2.0 |
| 1,1,1-Trichloroethane | ND | | 1.0 |
| 1,1,2-Trichloroethane | ND | | 1.0 |
| Cyclohexane | ND | | 1.0 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 |
| Ethylene Dibromide | ND | | 1.0 |
| Dichlorodifluoromethane | ND | | 1.0 |
| cis-1,2-Dichloroethene | ND | | 1.0 |
| trans-1,2-Dichloroethene | ND | | 1.0 |
| Isopropylbenzene | ND | | 1.0 |
| Methyl acetate | ND | | 10 |
| Methyl tert-butyl ether | ND | | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 |
| 1,2-Dichlorobenzene | ND | | 1.0 |
| 1,3-Dichlorobenzene | ND | | 1.0 |
| 1,4-Dichlorobenzene | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75453**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75453/5 | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2424.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1118 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1118 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Trichlorofluoromethane | ND | | 1.0 |
| Chlorodibromomethane | ND | | 1.0 |
| Methylcyclohexane | ND | | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 79 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 83 | 66 - 117 |
| Toluene-d8 (Surr) | 87 | 74 - 115 |
| Dibromofluoromethane (Surr) | 83 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Lab Control Sample - Batch: 240-75453**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75453/4 | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2423.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1057 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1057 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Acetone | 20.0 | 15.8 | 79 | 43 - 136 | |
| Benzene | 10.0 | 9.81 | 98 | 83 - 112 | |
| Dichlorobromomethane | 10.0 | 9.46 | 95 | 72 - 121 | |
| Bromoform | 10.0 | 9.27 | 93 | 40 - 131 | |
| Bromomethane | 10.0 | 7.96 | 80 | 11 - 185 | |
| 2-Butanone (MEK) | 20.0 | 16.4 | 82 | 60 - 126 | |
| Carbon disulfide | 10.0 | 9.30 | 93 | 62 - 142 | |
| Carbon tetrachloride | 10.0 | 9.61 | 96 | 66 - 128 | |
| Chlorobenzene | 10.0 | 10.3 | 103 | 85 - 110 | |
| Chloroethane | 10.0 | 8.73 | 87 | 25 - 153 | |
| Chloroform | 10.0 | 9.57 | 96 | 79 - 117 | |
| Chloromethane | 10.0 | 9.07 | 91 | 44 - 126 | |
| 1,1-Dichloroethane | 10.0 | 9.63 | 96 | 82 - 115 | |
| 1,2-Dichloroethane | 10.0 | 9.31 | 93 | 71 - 127 | |
| 1,1-Dichloroethene | 10.0 | 9.14 | 91 | 78 - 131 | |
| 1,2-Dichloropropane | 10.0 | 9.67 | 97 | 81 - 115 | |
| cis-1,3-Dichloropropene | 10.0 | 8.78 | 88 | 61 - 115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.54 | 95 | 58 - 117 | |
| Ethylbenzene | 10.0 | 10.5 | 105 | 83 - 112 | |
| 2-Hexanone | 20.0 | 19.3 | 96 | 55 - 133 | |
| Methylene Chloride | 10.0 | 9.09 | 91 | 66 - 131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 17.9 | 90 | 63 - 128 | |
| Styrene | 10.0 | 10.0 | 100 | 79 - 114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.87 | 99 | 68 - 118 | |
| Tetrachloroethene | 10.0 | 9.98 | 100 | 79 - 114 | |
| Toluene | 10.0 | 10.5 | 105 | 84 - 111 | |
| Trichloroethene | 10.0 | 9.65 | 96 | 76 - 117 | |
| Vinyl chloride | 10.0 | 9.40 | 94 | 53 - 127 | |
| Xylenes, Total | 30.0 | 32.2 | 107 | 83 - 112 | |
| 1,1,1-Trichloroethane | 10.0 | 9.36 | 94 | 74 - 118 | |
| 1,1,2-Trichloroethane | 10.0 | 10.5 | 105 | 80 - 112 | |
| Cyclohexane | 10.0 | 9.57 | 96 | 54 - 121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.87 | 89 | 42 - 136 | |
| Ethylene Dibromide | 10.0 | 9.93 | 99 | 79 - 113 | |
| Dichlorodifluoromethane | 10.0 | 8.42 | 84 | 19 - 129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.85 | 98 | 80 - 113 | |
| trans-1,2-Dichloroethene | 10.0 | 9.94 | 99 | 83 - 117 | |
| Isopropylbenzene | 10.0 | 10.8 | 108 | 75 - 114 | |
| Methyl acetate | 10.0 | ND | 80 | 58 - 131 | |
| Methyl tert-butyl ether | 10.0 | 8.67 | 87 | 52 - 144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 10.4 | 104 | 74 - 151 | |
| 1,2,4-Trichlorobenzene | 10.0 | 8.04 | 80 | 48 - 135 | |
| 1,2-Dichlorobenzene | 10.0 | 10.5 | 105 | 81 - 110 | |
| 1,3-Dichlorobenzene | 10.0 | 10.3 | 103 | 80 - 110 | |
| 1,4-Dichlorobenzene | 10.0 | 10.1 | 101 | 82 - 110 | |
| Trichlorofluoromethane | 10.0 | 9.53 | 95 | 49 - 157 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Lab Control Sample - Batch: 240-75453**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75453/4 | Analysis Batch: | 240-75453 | Instrument ID: | A3UX10 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | UXX2423.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/15/2013 1057 | Units: | ug/L | Final Weight/Volume: | 5 mL |
| Prep Date: | 02/15/2013 1057 | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Chlorodibromomethane | 10.0 | 10.2 | 102 | 64 - 119 | |
| Methylcyclohexane | 10.0 | 9.60 | 96 | 56 - 127 | |
| m-Xylene & p-Xylene | 20.0 | 21.4 | 107 | 83 - 113 | |
| o-Xylene | 10.0 | 10.8 | 108 | 83 - 113 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 81 | 63 - 129 |
| 4-Bromofluorobenzene (Surr) | 98 | 66 - 117 |
| Toluene-d8 (Surr) | 95 | 74 - 115 |
| Dibromofluoromethane (Surr) | 86 | 75 - 121 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75041**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75041/3 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021203.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1411 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 113 | 40 - 122 |

**Lab Control Sample - Batch: 240-75041**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75041/4 | Analysis Batch: | 240-75041 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021204.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/12/2013 1423 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methane | 116 | 108 | 93 | 79 - 113 | |
| Ethane | 218 | 220 | 101 | 77 - 127 | |
| Ethylene | 203 | 209 | 103 | 64 - 130 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 110 | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75339**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75339/3 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021403.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1604 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 116 | 40 - 122 |

**Lab Control Sample - Batch: 240-75339** **Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75339/4 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021404.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1616 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methane | 116 | 109 | 94 | 79 - 113 | |
| Ethane | 218 | 223 | 103 | 77 - 127 | |
| Ethylene | 203 | 215 | 106 | 64 - 130 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 115 | 40 - 122 |

**Lab Control Sample - Batch: 240-75339** **Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75339/5 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021405.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1628 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methane | 116 | 94.7 | 82 | 79 - 113 | |
| Ethane | 218 | 193 | 89 | 77 - 127 | |
| Ethylene | 203 | 185 | 91 | 64 - 130 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 97 | 40 - 122 |

**Lab Control Sample - Batch: 240-75339** **Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75339/6 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021406.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1640 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methane | 116 | 108 | 94 | 79 - 113 | |
| Ethane | 218 | 221 | 101 | 77 - 127 | |
| Ethylene | 203 | 210 | 103 | 64 - 130 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 111 | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Lab Control Sample - Batch: 240-75339**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75339/7 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021407.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1652 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methane | 116 | 107 | 92 | 79 - 113 | |
| Ethane | 218 | 217 | 100 | 77 - 127 | |
| Ethylene | 203 | 205 | 101 | 64 - 130 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 108 | 40 - 122 |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75339**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20928-2 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021412.D |
| Dilution: | 5.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1754 | | | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 240-20928-2 | Analysis Batch: | 240-75339 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021413.D |
| Dilution: | 5.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/14/2013 1806 | | | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methane | 96 | 100 | 13 - 173 | 1 | 42 | 4 | 4 |
| Ethane | 95 | 97 | 59 - 133 | 2 | 34 | | |
| Ethylene | 94 | 96 | 51 - 129 | 2 | 34 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,1,1-Trifluoroethane | 99 | 99 | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 240-75339**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 240-20928-2 | Units: ug/L | MSD Lab Sample ID: | 240-20928-2 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 5.0 | | Dilution: | 5.0 | |
| Analysis Date: | 02/14/2013 1754 | | Analysis Date: | 02/14/2013 1806 | |
| Prep Date: | N/A | | Prep Date: | N/A | |
| Leach Date: | N/A | | Leach Date: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | | MSD Result/Qual | |
|---|---|---|---|---|---|---|---|
| Methane | 2700 | 579 | 579 | 3210 | 4 | 3240 | 4 |
| Ethane | ND | 1090 | 1090 | 1040 | | 1060 | |
| Ethylene | ND | 1020 | 1020 | 953 | | 972 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75709**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75709/4 | Analysis Batch: | 240-75709 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021904.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/19/2013 1140 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Methane | ND | | 0.50 |
| Ethane | ND | | 0.50 |
| Ethylene | ND | | 0.50 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 114 | 40 - 122 |

**Lab Control Sample - Batch: 240-75709**

**Method: RSK-175**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75709/5 | Analysis Batch: | 240-75709 | Instrument ID: | ZPID |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | Z0021905.D |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 17 mL |
| Analysis Date: | 02/19/2013 1152 | Units: | ug/L | Final Weight/Volume: | 17 mL |
| Prep Date: | N/A | | | Injection Volume: | |
| Leach Date: | N/A | | | Column ID: | PRIMARY |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methane | 116 | 112 | 97 | 79 - 113 | |
| Ethane | 218 | 233 | 107 | 77 - 127 | |
| Ethylene | 203 | 222 | 109 | 64 - 130 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,1,1-Trifluoroethane | 112 | 40 - 122 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-74940**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-74940/4 | Analysis Batch: | 240-74940 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 4240-0017270-004.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1547 | Units: | mg/L | Final Weight/Volume: | |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Nitrate as N | ND | | 0.10 |

**Lab Control Sample - Batch: 240-74940**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-74940/5 | Analysis Batch: | 240-74940 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 5240-0017270-005.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1603 | Units: | mg/L | Final Weight/Volume: | |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Nitrate as N | 2.50 | 2.71 | 108 | 90 - 110 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Matrix Spike - Batch: 240-74940**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | 240-20928-8 | Analysis Batch: | 240-74940 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 10240-0017270-010.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 1725 | Units: | mg/L | Final Weight/Volume: | |
| Prep Date: | N/A | | | | 25 uL |
| Leach Date: | N/A | | | | |

| Analyte | Sample Result/Qual | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | 2.50 | 3.17 | 125 | 80 - 120 | F |

**Matrix Spike - Batch: 240-74940**

**Method: 300.0**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | 240-20928-2 | Analysis Batch: | 240-74940 | Instrument ID: | SIMON |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 20240-0017270-020.d |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 5 mL |
| Analysis Date: | 02/11/2013 2009 | Units: | mg/L | Final Weight/Volume: | |
| Prep Date: | N/A | | | | 25 uL |
| Leach Date: | N/A | | | | |

| Analyte | Sample Result/Qual | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|---|
| Nitrate as N | ND | 2.50 | 3.06 | 122 | 80 - 120 | F |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75599**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75599/34 | Analysis Batch: | 240-75599 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021513alk.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/15/2013 1831 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Alkalinity | ND | | 5.0 |

**Lab Control Sample - Batch: 240-75599**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75599/33 | Analysis Batch: | 240-75599 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021513alk.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/15/2013 1824 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Alkalinity | 39.8 | 40.7 | 102 | 90 - 127 | |

**Duplicate - Batch: 240-75599**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | 240-20928-12 | Analysis Batch: | 240-75599 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021513alk.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/15/2013 2211 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Sample Result/Qual | Result | RPD | Limit | Qual |
|---|---|---|---|---|---|
| Alkalinity | 31 | 30.5 | 3 | 20 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75989**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75989/17 | Analysis Batch: | 240-75989 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021913.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/19/2013 1536 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Alkalinity | ND | | 5.0 |

**Lab Control Sample - Batch: 240-75989**

**Method: 310.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75989/16 | Analysis Batch: | 240-75989 | Instrument ID: | STEVE |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 021913.TXT |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 50 mL |
| Analysis Date: | 02/19/2013 1531 | Units: | mg/L | Final Weight/Volume: | 50 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Alkalinity | 39.8 | 41.2 | 103 | 90 - 127 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75974**

**Method: 325.2**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75974/5 | Analysis Batch: | 240-75974 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | CL022013.xls |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/20/2013 0824 | Units: | mg/L | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Chloride | ND | | 1.0 |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75355**

**Method: 375.4**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75355/21 | Analysis Batch: | 240-75355 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | SO4021413.xls |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/14/2013 1019 | Units: | mg/L | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Sulfate | ND | | 5.0 |

**Lab Control Sample - Batch: 240-75355**

**Method: 375.4**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75355/31 | Analysis Batch: | 240-75355 | Instrument ID: | BARNEY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | SO4021413.xls |
| Dilution: | 5.0 | Leach Batch: | N/A | Initial Weight/Volume: | 4 mL |
| Analysis Date: | 02/14/2013 1046 | Units: | mg/L | Final Weight/Volume: | 4 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Sulfate | 91.1 | 95.7 | 105 | 80 - 112 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75235**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75235/1 | Analysis Batch: | 240-75235 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/13/2013 1500 | Units: | mg/L | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Sulfide | ND | | 1.0 |

**Lab Control Sample - Batch: 240-75235**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75235/2 | Analysis Batch: | 240-75235 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/13/2013 1503 | Units: | mg/L | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Sulfide | 16.7 | 16.7 | 100 | 79 - 110 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75383**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75383/1 | Analysis Batch: | 240-75383 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/14/2013 1458 | Units: | mg/L | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Sulfide | ND | | 1.0 |

**Lab Control Sample - Batch: 240-75383**

**Method: 376.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75383/2 | Analysis Batch: | 240-75383 | Instrument ID: | No Equipment |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | N/A |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 250 mL |
| Analysis Date: | 02/14/2013 1504 | Units: | mg/L | Final Weight/Volume: | 250 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Sulfide | 17.1 | 17.0 | 100 | 79 - 110 | |

Client: Cardinal Resources

Job Number: 240-20928-1

**Method Blank - Batch: 240-75518**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 240-75518/3 | Analysis Batch: | 240-75518 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0215003.rlt |
| Dilution: | 1.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/15/2013 0847 | Units: | mg/L | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Result | Qual | RL |
|---|---|---|---|
| Total Organic Carbon | ND | | 1.0 |

**Lab Control Sample - Batch: 240-75518**

**Method: 415.1**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 240-75518/4 | Analysis Batch: | 240-75518 | Instrument ID: | SPARKY |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | 0215004.rlt |
| Dilution: | 2.0 | Leach Batch: | N/A | Initial Weight/Volume: | 40 mL |
| Analysis Date: | 02/15/2013 0858 | Units: | mg/L | Final Weight/Volume: | 40 mL |
| Prep Date: | N/A | | | | |
| Leach Date: | N/A | | | | |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Total Organic Carbon | 48.1 | 48.1 | 100 | 88 - 115 | |

## DATA REPORTING QUALIFIERS

Client: Cardinal Resources Job Number: 240-20928-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC VOA | | |
| | 4 | MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable. |
| General Chemistry | | |
| | F | MS or MSD exceeds the control limits |
| | H | Sample was prepped or analyzed beyond the specified holding time |

Client: Cardinal Resources

Job Number: 240-20928-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS VOA** | | | | | |
| **Analysis Batch:240-75367** | | | | | |
| LCS 240-75367/5 | Lab Control Sample | T | Water | 8260B | |
| MB 240-75367/6 | Method Blank | T | Water | 8260B | |
| 240-20928-1FB | FIELD BLANK 3 | T | Water | 8260B | |
| 240-20928-2 | OW-10R | T | Water | 8260B | |
| 240-20928-3 | OW-22 | T | Water | 8260B | |
| 240-20928-4 | OW-21 | T | Water | 8260B | |
| 240-20928-5 | MW-4 | T | Water | 8260B | |
| 240-20928-6TB | TRIP BLANK 2 | T | Water | 8260B | |
| 240-20928-7FB | FIELD BLANK 2 | T | Water | 8260B | |
| **Analysis Batch:240-75453** | | | | | |
| LCS 240-75453/4 | Lab Control Sample | T | Water | 8260B | |
| MB 240-75453/5 | Method Blank | T | Water | 8260B | |
| 240-20928-8 | OW-18 | T | Water | 8260B | |
| 240-20928-9 | OW-24 | T | Water | 8260B | |
| 240-20928-10 | OW-19 | T | Water | 8260B | |
| 240-20928-11RB | PUMP RINSATE BLANK | T | Water | 8260B | |
| 240-20928-12 | OW-25 | T | Water | 8260B | |
| 240-20928-13 | OW-13R | T | Water | 8260B | |
| 240-20928-14FD | GW-DUP | T | Water | 8260B | |

**Report Basis**

T = Total

Client: Cardinal Resources

Job Number: 240-20928-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC VOA** | | | | | |
| **Analysis Batch:240-75041** | | | | | |
| LCS 240-75041/4 | Lab Control Sample | T | Water | RSK-175 | |
| MB 240-75041/3 | Method Blank | T | Water | RSK-175 | |
| 240-20928-2 | OW-10R | T | Water | RSK-175 | |
| 240-20928-3 | OW-22 | T | Water | RSK-175 | |
| 240-20928-4 | OW-21 | T | Water | RSK-175 | |
| 240-20928-5 | MW-4 | T | Water | RSK-175 | |
| 240-20928-8 | OW-18 | T | Water | RSK-175 | |
| 240-20928-9 | OW-24 | T | Water | RSK-175 | |
| **Analysis Batch:240-75339** | | | | | |
| LCS 240-75339/4 | Lab Control Sample | T | Water | RSK-175 | |
| LCS 240-75339/5 | Lab Control Sample | T | Water | RSK-175 | |
| LCS 240-75339/6 | Lab Control Sample | T | Water | RSK-175 | |
| LCS 240-75339/7 | Lab Control Sample | T | Water | RSK-175 | |
| MB 240-75339/3 | Method Blank | T | Water | RSK-175 | |
| 240-20928-2 | OW-10R | T | Water | RSK-175 | |
| 240-20928-2MS | Matrix Spike | T | Water | RSK-175 | |
| 240-20928-2MSD | Matrix Spike Duplicate | T | Water | RSK-175 | |
| 240-20928-3 | OW-22 | T | Water | RSK-175 | |
| 240-20928-8 | OW-18 | T | Water | RSK-175 | |
| 240-20928-10 | OW-19 | T | Water | RSK-175 | |
| 240-20928-12 | OW-25 | T | Water | RSK-175 | |
| 240-20928-13 | OW-13R | T | Water | RSK-175 | |
| 240-20928-14FD | GW-DUP | T | Water | RSK-175 | |
| **Analysis Batch:240-75709** | | | | | |
| LCS 240-75709/5 | Lab Control Sample | T | Water | RSK-175 | |
| MB 240-75709/4 | Method Blank | T | Water | RSK-175 | |
| 240-20928-10 | OW-19 | T | Water | RSK-175 | |

**Report Basis**
T = Total

Client: Cardinal Resources

Job Number: 240-20928-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **General Chemistry** | | | | | |
| **Analysis Batch:240-74940** | | | | | |
| LCS 240-74940/5 | Lab Control Sample | T | Water | 300.0 | |
| MB 240-74940/4 | Method Blank | T | Water | 300.0 | |
| 240-20928-2 | OW-10R | T | Water | 300.0 | |
| 240-20928-2MS | Matrix Spike | T | Water | 300.0 | |
| 240-20928-3 | OW-22 | T | Water | 300.0 | |
| 240-20928-4 | OW-21 | T | Water | 300.0 | |
| 240-20928-5 | MW-4 | T | Water | 300.0 | |
| 240-20928-8 | OW-18 | T | Water | 300.0 | |
| 240-20928-8MS | Matrix Spike | T | Water | 300.0 | |
| 240-20928-9 | OW-24 | T | Water | 300.0 | |
| 240-20928-10 | OW-19 | T | Water | 300.0 | |
| 240-20928-12 | OW-25 | T | Water | 300.0 | |
| 240-20928-13 | OW-13R | T | Water | 300.0 | |
| 240-20928-14FD | GW-DUP | T | Water | 300.0 | |
| **Analysis Batch:240-75235** | | | | | |
| LCS 240-75235/2 | Lab Control Sample | T | Water | 376.1 | |
| MB 240-75235/1 | Method Blank | T | Water | 376.1 | |
| 240-20928-2 | OW-10R | T | Water | 376.1 | |
| 240-20928-3 | OW-22 | T | Water | 376.1 | |
| 240-20928-4 | OW-21 | T | Water | 376.1 | |
| 240-20928-5 | MW-4 | T | Water | 376.1 | |
| 240-20928-8 | OW-18 | T | Water | 376.1 | |
| 240-20928-9 | OW-24 | T | Water | 376.1 | |
| 240-20928-10 | OW-19 | T | Water | 376.1 | |
| **Analysis Batch:240-75355** | | | | | |
| LCS 240-75355/31 | Lab Control Sample | T | Water | 375.4 | |
| MB 240-75355/21 | Method Blank | T | Water | 375.4 | |
| 240-20928-2 | OW-10R | T | Water | 375.4 | |
| 240-20928-3 | OW-22 | T | Water | 375.4 | |
| 240-20928-4 | OW-21 | T | Water | 375.4 | |
| 240-20928-5 | MW-4 | T | Water | 375.4 | |
| 240-20928-8 | OW-18 | T | Water | 375.4 | |
| 240-20928-9 | OW-24 | T | Water | 375.4 | |
| 240-20928-10 | OW-19 | T | Water | 375.4 | |
| 240-20928-12 | OW-25 | T | Water | 375.4 | |
| 240-20928-13 | OW-13R | T | Water | 375.4 | |
| 240-20928-14FD | GW-DUP | T | Water | 375.4 | |

Client: Cardinal Resources

Job Number: 240-20928-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **General Chemistry** | | | | | |
| **Analysis Batch:240-75383** | | | | | |
| LCS 240-75383/2 | Lab Control Sample | T | Water | 376.1 | |
| MB 240-75383/1 | Method Blank | T | Water | 376.1 | |
| 240-20928-12 | OW-25 | T | Water | 376.1 | |
| 240-20928-13 | OW-13R | T | Water | 376.1 | |
| 240-20928-14FD | GW-DUP | T | Water | 376.1 | |
| **Analysis Batch:240-75518** | | | | | |
| LCS 240-75518/4 | Lab Control Sample | T | Water | 415.1 | |
| MB 240-75518/3 | Method Blank | T | Water | 415.1 | |
| 240-20928-2 | OW-10R | T | Water | 415.1 | |
| 240-20928-3 | OW-22 | T | Water | 415.1 | |
| 240-20928-4 | OW-21 | T | Water | 415.1 | |
| 240-20928-5 | MW-4 | T | Water | 415.1 | |
| 240-20928-8 | OW-18 | T | Water | 415.1 | |
| 240-20928-9 | OW-24 | T | Water | 415.1 | |
| 240-20928-10 | OW-19 | T | Water | 415.1 | |
| 240-20928-12 | OW-25 | T | Water | 415.1 | |
| 240-20928-13 | OW-13R | T | Water | 415.1 | |
| 240-20928-14FD | GW-DUP | T | Water | 415.1 | |
| **Analysis Batch:240-75599** | | | | | |
| LCS 240-75599/33 | Lab Control Sample | T | Water | 310.1 | |
| MB 240-75599/34 | Method Blank | T | Water | 310.1 | |
| 240-20928-2 | OW-10R | T | Water | 310.1 | |
| 240-20928-3 | OW-22 | T | Water | 310.1 | |
| 240-20928-8 | OW-18 | T | Water | 310.1 | |
| 240-20928-9 | OW-24 | T | Water | 310.1 | |
| 240-20928-10 | OW-19 | T | Water | 310.1 | |
| 240-20928-12 | OW-25 | T | Water | 310.1 | |
| 240-20928-12DU | Duplicate | T | Water | 310.1 | |
| **Analysis Batch:240-75974** | | | | | |
| LCS 240-75974/8 | Lab Control Sample | T | Water | 325.2 | |
| MB 240-75974/5 | Method Blank | T | Water | 325.2 | |
| 240-20928-2 | OW-10R | T | Water | 325.2 | |
| 240-20928-3 | OW-22 | T | Water | 325.2 | |
| 240-20928-4 | OW-21 | T | Water | 325.2 | |
| 240-20928-5 | MW-4 | T | Water | 325.2 | |
| 240-20928-8 | OW-18 | T | Water | 325.2 | |
| 240-20928-9 | OW-24 | T | Water | 325.2 | |
| 240-20928-10 | OW-19 | T | Water | 325.2 | |
| 240-20928-12 | OW-25 | T | Water | 325.2 | |
| 240-20928-13 | OW-13R | T | Water | 325.2 | |
| 240-20928-14FD | GW-DUP | T | Water | 325.2 | |

Client: Cardinal Resources

Job Number: 240-20928-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **General Chemistry** | | | | | |
| **Analysis Batch:240-75989** | | | | | |
| LCS 240-75989/16 | Lab Control Sample | T | Water | 310.1 | |
| MB 240-75989/17 | Method Blank | T | Water | 310.1 | |
| 240-20928-4 | OW-21 | T | Water | 310.1 | |
| 240-20928-5 | MW-4 | T | Water | 310.1 | |
| 240-20928-13 | OW-13R | T | Water | 310.1 | |
| 240-20928-14FD | GW-DUP | T | Water | 310.1 | |

**Report Basis**

T = Total

Client: Cardinal Resources

Job Number: 240-20928-1

## Laboratory Chronicle

**Lab ID:** 240-20928-1 **Client ID:** FIELD BLANK 3

Sample Date/Time: 02/08/2013 09:15 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-B-1 | | 240-75367 | | 02/14/2013 21:21 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-B-1 | | 240-75367 | | 02/14/2013 21:21 | 1 | TAL NC | RQ |

**Lab ID:** 240-20928-2 **Client ID:** OW-10R

Sample Date/Time: 02/08/2013 09:55 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-A-2 | | 240-75367 | | 02/14/2013 21:43 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-A-2 | | 240-75367 | | 02/14/2013 21:43 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-2 | | 240-75041 | | 02/12/2013 19:24 | 1 | TAL NC | RS |
| A:RSK-175 | 240-20928-D-2 | | 240-75339 | | 02/14/2013 17:41 | 5 | TAL NC | CJ |
| A:300.0 | 240-20928-I-2 | | 240-74940 | | 02/11/2013 19:53 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-2 | | 240-75599 | | 02/15/2013 21:17 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-2 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-2 | | 240-75355 | | 02/14/2013 12:18 | 5 | TAL NC | JB |
| A:376.1 | 240-20928-H-2 | | 240-75235 | | 02/13/2013 15:15 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-F-2 | | 240-75518 | | 02/15/2013 11:08 | 1 | TAL NC | TH |

**Lab ID:** 240-20928-2 MS **Client ID:** OW-10R

Sample Date/Time: 02/08/2013 09:55 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:RSK-175 | 240-20928-D-2 MS | | 240-75339 | | 02/14/2013 17:54 | 5 | TAL NC | CJ |
| A:300.0 | 240-20928-I-2 MS | | 240-74940 | | 02/11/2013 20:09 | 1 | TAL NC | LG |

**Lab ID:** 240-20928-2 MSD **Client ID:** OW-10R

Sample Date/Time: 02/08/2013 09:55 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:RSK-175 | 240-20928-D-2 MSD | | 240-75339 | | 02/14/2013 18:06 | 5 | TAL NC | CJ |

Client: Cardinal Resources Job Number: 240-20928-1

## Laboratory Chronicle

**Lab ID: 240-20928-3** **Client ID: OW-22**

Sample Date/Time: 02/08/2013 10:55 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-B-3 | | 240-75367 | | 02/14/2013 22:04 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-B-3 | | 240-75367 | | 02/14/2013 22:04 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-3 | | 240-75041 | | 02/12/2013 19:36 | 1 | TAL NC | RS |
| A:RSK-175 | 240-20928-E-3 | | 240-75339 | | 02/14/2013 18:18 | 5 | TAL NC | CJ |
| A:300.0 | 240-20928-I-3 | | 240-74940 | | 02/11/2013 17:42 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-3 | | 240-75599 | | 02/15/2013 21:29 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-3 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-3 | | 240-75355 | | 02/14/2013 10:15 | 1 | TAL NC | JB |
| A:376.1 | 240-20928-H-3 | | 240-75235 | | 02/13/2013 15:19 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-G-3 | | 240-75518 | | 02/15/2013 11:19 | 1 | TAL NC | TH |

**Lab ID: 240-20928-4** **Client ID: OW-21**

Sample Date/Time: 02/08/2013 12:35 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-B-4 | | 240-75367 | | 02/14/2013 22:25 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-B-4 | | 240-75367 | | 02/14/2013 22:25 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-4 | | 240-75041 | | 02/12/2013 19:49 | 1 | TAL NC | RS |
| A:300.0 | 240-20928-I-4 | | 240-74940 | | 02/11/2013 16:53 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-4 | | 240-75989 | | 02/19/2013 16:48 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-4 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-4 | | 240-75355 | | 02/14/2013 12:20 | 5 | TAL NC | JB |
| A:376.1 | 240-20928-H-4 | | 240-75235 | | 02/13/2013 15:22 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-F-4 | | 240-75518 | | 02/15/2013 11:30 | 1 | TAL NC | TH |

**Lab ID: 240-20928-5** **Client ID: MW-4**

Sample Date/Time: 02/08/2013 13:55 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-A-5 | | 240-75367 | | 02/14/2013 22:46 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-A-5 | | 240-75367 | | 02/14/2013 22:46 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-5 | | 240-75041 | | 02/12/2013 20:01 | 1 | TAL NC | RS |
| A:300.0 | 240-20928-I-5 | | 240-74940 | | 02/11/2013 16:36 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-5 | | 240-75989 | | 02/19/2013 16:55 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-5 | | 240-75974 | | 02/20/2013 12:46 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-5 | | 240-75355 | | 02/14/2013 10:43 | 5 | TAL NC | JB |
| A:376.1 | 240-20928-H-5 | | 240-75235 | | 02/13/2013 15:26 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-F-5 | | 240-75518 | | 02/15/2013 11:41 | 1 | TAL NC | TH |

Client: Cardinal Resources Job Number: 240-20928-1

## Laboratory Chronicle

**Lab ID: 240-20928-6** **Client ID: TRIP BLANK 2**

Sample Date/Time: 02/07/2013 08:00 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-A-6 | | 240-75367 | | 02/14/2013 23:08 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-A-6 | | 240-75367 | | 02/14/2013 23:08 | 1 | TAL NC | RQ |

**Lab ID: 240-20928-7** **Client ID: FIELD BLANK 2**

Sample Date/Time: 02/07/2013 08:30 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-B-7 | | 240-75367 | | 02/14/2013 23:29 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-B-7 | | 240-75367 | | 02/14/2013 23:29 | 1 | TAL NC | RQ |

**Lab ID: 240-20928-8** **Client ID: OW-18**

Sample Date/Time: 02/07/2013 08:55 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-B-8 | | 240-75453 | | 02/15/2013 15:22 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-B-8 | | 240-75453 | | 02/15/2013 15:22 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-8 | | 240-75041 | | 02/12/2013 20:13 | 1 | TAL NC | RS |
| A:RSK-175 | 240-20928-D-8 | | 240-75339 | | 02/14/2013 18:30 | 1 | TAL NC | CJ |
| A:RSK-175 | 240-20928-D-8 | | 240-75339 | | 02/14/2013 18:42 | 5 | TAL NC | CJ |
| A:300.0 | 240-20928-I-8 | | 240-74940 | | 02/11/2013 17:09 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-8 | | 240-75599 | | 02/15/2013 21:42 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-8 | | 240-75974 | | 02/20/2013 12:48 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-8 | | 240-75355 | | 02/14/2013 10:19 | 1 | TAL NC | JB |
| A:376.1 | 240-20928-H-8 | | 240-75235 | | 02/13/2013 15:30 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-F-8 | | 240-75518 | | 02/15/2013 11:52 | 1 | TAL NC | TH |

**Lab ID: 240-20928-8 MS** **Client ID: OW-18**

Sample Date/Time: 02/07/2013 08:55 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:300.0 | 240-20928-I-8 MS | | 240-74940 | | 02/11/2013 17:25 | 1 | TAL NC | LG |

Client: Cardinal Resources Job Number: 240-20928-1

## Laboratory Chronicle

**Lab ID: 240-20928-9** **Client ID: OW-24**

Sample Date/Time: 02/07/2013 10:45 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-A-9 | | 240-75453 | | 02/15/2013 15:44 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-A-9 | | 240-75453 | | 02/15/2013 15:44 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-9 | | 240-75041 | | 02/12/2013 20:25 | 1 | TAL NC | RS |
| A:300.0 | 240-20928-I-9 | | 240-74940 | | 02/11/2013 17:58 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-9 | | 240-75599 | | 02/15/2013 21:49 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-9 | | 240-75974 | | 02/20/2013 12:48 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-9 | | 240-75355 | | 02/14/2013 11:38 | 1 | TAL NC | JB |
| A:376.1 | 240-20928-H-9 | | 240-75235 | | 02/13/2013 15:34 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-G-9 | | 240-75518 | | 02/15/2013 12:03 | 1 | TAL NC | TH |

**Lab ID: 240-20928-10** **Client ID: OW-19**

Sample Date/Time: 02/07/2013 12:40 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-A-10 | | 240-75453 | | 02/15/2013 16:05 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-A-10 | | 240-75453 | | 02/15/2013 16:05 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-10 | | 240-75339 | | 02/14/2013 18:55 | 1 | TAL NC | CJ |
| A:RSK-175 | 240-20928-E-10 | | 240-75709 | | 02/19/2013 12:05 | 5 | TAL NC | CJ |
| A:300.0 | 240-20928-I-10 | | 240-74940 | | 02/11/2013 19:20 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-10 | | 240-75599 | | 02/15/2013 22:00 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-10 | | 240-75974 | | 02/20/2013 12:56 | 5 | TAL NC | JK |
| A:375.4 | 240-20928-I-10 | | 240-75355 | | 02/14/2013 11:39 | 1 | TAL NC | JB |
| A:376.1 | 240-20928-H-10 | | 240-75235 | | 02/13/2013 15:38 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-G-10 | | 240-75518 | | 02/15/2013 12:14 | 1 | TAL NC | TH |

**Lab ID: 240-20928-11** **Client ID: PUMP RINSATE BLANK**

Sample Date/Time: 02/07/2013 11:25 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-B-11 | | 240-75453 | | 02/15/2013 16:27 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-B-11 | | 240-75453 | | 02/15/2013 16:27 | 1 | TAL NC | RQ |

Client: Cardinal Resources Job Number: 240-20928-1

## Laboratory Chronicle

**Lab ID: 240-20928-12** **Client ID: OW-25**

Sample Date/Time: 02/07/2013 14:50 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-B-12 | | 240-75453 | | 02/15/2013 16:49 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-B-12 | | 240-75453 | | 02/15/2013 16:49 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-12 | | 240-75339 | | 02/14/2013 19:07 | 1 | TAL NC | CJ |
| A:300.0 | 240-20928-I-12 | | 240-74940 | | 02/11/2013 18:15 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-12 | | 240-75599 | | 02/15/2013 22:05 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-12 | | 240-75974 | | 02/20/2013 12:48 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-12 | | 240-75355 | | 02/14/2013 11:39 | 1 | TAL NC | JB |
| A:376.1 | 240-20928-H-12 | | 240-75383 | | 02/14/2013 15:10 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-F-12 | | 240-75518 | | 02/15/2013 12:24 | 1 | TAL NC | TH |

**Lab ID: 240-20928-12 DU** **Client ID: OW-25**

Sample Date/Time: 02/07/2013 14:50 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:310.1 | 240-20928-I-12 DU | | 240-75599 | | 02/15/2013 22:11 | 1 | TAL NC | JB |

**Lab ID: 240-20928-13** **Client ID: OW-13R**

Sample Date/Time: 02/08/2013 08:40 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-A-13 | | 240-75453 | | 02/15/2013 17:11 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-A-13 | | 240-75453 | | 02/15/2013 17:11 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-13 | | 240-75339 | | 02/14/2013 19:19 | 1 | TAL NC | CJ |
| A:300.0 | 240-20928-I-13 | | 240-74940 | | 02/11/2013 19:04 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-13 | | 240-75989 | | 02/19/2013 17:05 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-13 | | 240-75974 | | 02/20/2013 12:48 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-13 | | 240-75355 | | 02/14/2013 11:39 | 1 | TAL NC | JB |
| A:376.1 | 240-20928-H-13 | | 240-75383 | | 02/14/2013 15:16 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-F-13 | | 240-75518 | | 02/15/2013 12:35 | 1 | TAL NC | TH |

Client: Cardinal Resources

Job Number: 240-20928-1

## Laboratory Chronicle

**Lab ID:** 240-20928-14 **Client ID:** GW-DUP

Sample Date/Time: 02/08/2013 09:00 Received Date/Time: 02/11/2013 08:30

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 240-20928-A-14 | | 240-75453 | | 02/15/2013 17:32 | 1 | TAL NC | RQ |
| A:8260B | 240-20928-A-14 | | 240-75453 | | 02/15/2013 17:32 | 1 | TAL NC | RQ |
| A:RSK-175 | 240-20928-J-14 | | 240-75339 | | 02/14/2013 19:31 | 1 | TAL NC | CJ |
| A:300.0 | 240-20928-I-14 | | 240-74940 | | 02/11/2013 19:37 | 1 | TAL NC | LG |
| A:310.1 | 240-20928-I-14 | | 240-75989 | | 02/19/2013 17:16 | 1 | TAL NC | JB |
| A:325.2 | 240-20928-I-14 | | 240-75974 | | 02/20/2013 12:48 | 1 | TAL NC | JK |
| A:375.4 | 240-20928-I-14 | | 240-75355 | | 02/14/2013 11:49 | 1 | TAL NC | JB |
| A:376.1 | 240-20928-H-14 | | 240-75383 | | 02/14/2013 15:22 | 1 | TAL NC | JB |
| A:415.1 | 240-20928-F-14 | | 240-75518 | | 02/15/2013 13:08 | 1 | TAL NC | TH |

**Lab ID:** MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | MB 240-75367/6 | | 240-75367 | | 02/14/2013 16:22 | 1 | TAL NC | RQ |
| A:8260B | MB 240-75367/6 | | 240-75367 | | 02/14/2013 16:22 | 1 | TAL NC | RQ |
| P:5030B | MB 240-75453/5 | | 240-75453 | | 02/15/2013 11:18 | 1 | TAL NC | RQ |
| A:8260B | MB 240-75453/5 | | 240-75453 | | 02/15/2013 11:18 | 1 | TAL NC | RQ |
| A:RSK-175 | MB 240-75041/3 | | 240-75041 | | 02/12/2013 14:11 | 1 | TAL NC | RS |
| A:RSK-175 | MB 240-75339/3 | | 240-75339 | | 02/14/2013 16:04 | 1 | TAL NC | CJ |
| A:RSK-175 | MB 240-75709/4 | | 240-75709 | | 02/19/2013 11:40 | 1 | TAL NC | CJ |
| A:300.0 | MB 240-74940/4 | | 240-74940 | | 02/11/2013 15:47 | 1 | TAL NC | LG |
| A:310.1 | MB 240-75599/34 | | 240-75599 | | 02/15/2013 18:31 | 1 | TAL NC | JB |
| A:310.1 | MB 240-75989/17 | | 240-75989 | | 02/19/2013 15:36 | 1 | TAL NC | JB |
| A:325.2 | MB 240-75974/5 | | 240-75974 | | 02/20/2013 08:24 | 1 | TAL NC | JK |
| A:375.4 | MB 240-75355/21 | | 240-75355 | | 02/14/2013 10:19 | 1 | TAL NC | JB |
| A:376.1 | MB 240-75235/1 | | 240-75235 | | 02/13/2013 15:00 | 1 | TAL NC | JB |
| A:376.1 | MB 240-75383/1 | | 240-75383 | | 02/14/2013 14:58 | 1 | TAL NC | JB |
| A:415.1 | MB 240-75518/3 | | 240-75518 | | 02/15/2013 08:47 | 1 | TAL NC | TH |

Client: Cardinal Resources

Job Number: 240-20928-1

## 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 |
|---|---|---|---|---|---|---|---|---|
| P:5030B | LCS 240-75367/5 | | 240-75367 | | 02/14/2013 16:00 | 1 | TAL NC | RQ |
| A:8260B | LCS 240-75367/5 | | 240-75367 | | 02/14/2013 16:00 | 1 | TAL NC | RQ |
| P:5030B | LCS 240-75453/4 | | 240-75453 | | 02/15/2013 10:57 | 1 | TAL NC | RQ |
| A:8260B | LCS 240-75453/4 | | 240-75453 | | 02/15/2013 10:57 | 1 | TAL NC | RQ |
| A:RSK-175 | LCS 240-75041/4 | | 240-75041 | | 02/12/2013 14:23 | 1 | TAL NC | RS |
| A:RSK-175 | LCS 240-75339/4 | | 240-75339 | | 02/14/2013 16:16 | 1 | TAL NC | CJ |
| A:RSK-175 | LCS 240-75339/5 | | 240-75339 | | 02/14/2013 16:28 | 1 | TAL NC | CJ |
| A:RSK-175 | LCS 240-75339/6 | | 240-75339 | | 02/14/2013 16:40 | 1 | TAL NC | CJ |
| A:RSK-175 | LCS 240-75339/7 | | 240-75339 | | 02/14/2013 16:52 | 1 | TAL NC | CJ |
| A:RSK-175 | LCS 240-75709/5 | | 240-75709 | | 02/19/2013 11:52 | 1 | TAL NC | CJ |
| A:300.0 | LCS 240-74940/5 | | 240-74940 | | 02/11/2013 16:03 | 1 | TAL NC | LG |
| A:310.1 | LCS 240-75599/33 | | 240-75599 | | 02/15/2013 18:24 | 1 | TAL NC | JB |
| A:310.1 | LCS 240-75989/16 | | 240-75989 | | 02/19/2013 15:31 | 1 | TAL NC | JB |
| A:325.2 | LCS 240-75974/8 | | 240-75974 | | 02/20/2013 08:32 | 5 | TAL NC | JK |
| A:375.4 | LCS 240-75355/31 | | 240-75355 | | 02/14/2013 10:46 | 5 | TAL NC | JB |
| A:376.1 | LCS 240-75235/2 | | 240-75235 | | 02/13/2013 15:03 | 1 | TAL NC | JB |
| A:376.1 | LCS 240-75383/2 | | 240-75383 | | 02/14/2013 15:04 | 1 | TAL NC | JB |
| A:415.1 | LCS 240-75518/4 | | 240-75518 | | 02/15/2013 08:58 | 2 | TAL NC | TH |

**Lab References:**

TAL NC = TestAmerica Canton

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| **SAICALSURR_00006** | 11/08/13 | Matheson Trigas, Lot 109-16-06513 | | | (Purchased Reagent) | | 1,1,1-Trifluoroethane | 172158 ug/L |
| **SARSK2NDSRCE_00003** | 10/10/13 | Air Liquide-Scott Specialty gases, Lot 284PLU1SPC09D | | | (Purchased Reagent) | | Ethane | 12338 ug/L |
| | | | | | | | Ethylene | 11518 ug/L |
| | | | | | | | Methane | 6558 ug/L |
| **SARSKHIGHCAL_00003** | 11/18/13 | Matheson Trigas, Lot 109-16-06579 | | | (Purchased Reagent) | | Ethane | 12338 ug/L |
| | | | | | | | Ethylene | 11518 ug/L |
| | | | | | | | Methane | 6558 ug/L |
| **SARSKHIGHCALP_00001** | 05/23/14 | Matheson Trigas, Lot 109-16-06579 | | | (Purchased Reagent) | | Acetylene | 10657 ug/L |
| | | | | | | | Ethane | 12338 ug/L |
| | | | | | | | Ethylene | 11518 ug/L |
| | | | | | | | Methane | 6558 ug/L |
| | | | | | | | Propane | 18077 ug/L |
| | | | | | | | Propane, 2-methyl | 23815 ug/L |
| | | | | | | | Propene | 17257 ug/L |
| **SARSKLOWCAL_00003** | 11/18/13 | MATHESON TRI-GAS INC., Lot 109-16-06580 | | | (Purchased Reagent) | | Acetylene | 1066 ug/L |
| | | | | | | | Ethane | 1234 ug/L |
| | | | | | | | Ethylene | 1152 ug/L |
| | | | | | | | Methane | 656 ug/L |
| | | | | | | | Propane | 1808 ug/L |
| | | | | | | | Propane, 2-methyl | 2382 ug/L |
| | | | | | | | Propene | 1726 ug/L |
| **SARSKSURR_00007** | 08/13/15 | Matheson Trigas, Lot 9302602818 | | | (Purchased Reagent) | | 1,1,1-Trifluoroethane | 11190 ug/L |
| **VM50IS_00025** | 04/04/13 | 01/03/13 | MEOH, Lot 123279 | 50 mL | VMSTM520_00016 | 1 mL | 1,4-Dichlorobenzene-d4 | 50 ug/mL |
| | | | | | | | Chlorobenzene-d5 | 50 ug/mL |
| | | | | | | | Fluorobenzene | 50 ug/mL |
| .VMSTM520_00016 | 12/31/14 | Ultra Scientific, Lot CH-3660 | | | (Purchased Reagent) | | 1,4-Dichlorobenzene-d4 | 2500 ug/mL |
| | | | | | | | Chlorobenzene-d5 | 2500 ug/mL |
| | | | | | | | Fluorobenzene | 2500 ug/mL |
| **vm50ss_00096** | 02/12/13 | 02/05/13 | MEOH, Lot na | 2 mL | vm50ss_stk_00047 | 2 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |
| .vm50ss_stk_00047 | 04/21/13 | 01/21/13 | MEOH, Lot 124454 | 50 mL | VMstm530_00017 | 1 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |
| ..VMstm530_00017 | 05/31/15 | Ultra Scientific, Lot CJ-1280 | | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 2500 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 2500 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 2500 ug/mL |
| **vm50ss_stk_00047** | 04/21/13 | 01/21/13 | MEOH, Lot 124454 | 50 mL | VMstm530_00017 | 1 mL | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 50 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 50 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 50 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| .VMstm530_00017 | 05/31/15 | Ultra Scientific, Lot CJ-1280 | | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 2500 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 2500 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 2500 ug/mL |
| **VMCGAS_00108** | 02/12/13 | 02/05/13 | MEOH, Lot 124454 | 10 mL | VMDWM544_00012 | 250 uL | Bromomethane | 50 ug/mL |
| | | | | | | | Chloroethane | 50 ug/mL |
| | | | | | | | Chloromethane | 50 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL |
| | | | | | | | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| .VMDWM544_00012 | 06/30/15 | ULTRA, Lot CJ-1658 | | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| **VMCGAS_00110** | 02/20/13 | 02/13/13 | MEOH, Lot 124454 | 10 mL | VMDWM544_00012 | 250 uL | Bromomethane | 50 ug/mL |
| | | | | | | | Chloroethane | 50 ug/mL |
| | | | | | | | Chloromethane | 50 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL |
| | | | | | | | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| .VMDWM544_00012 | 06/30/15 | ULTRA, Lot CJ-1658 | | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| **VMFASWS_00131** | 02/13/13 | 02/06/13 | MEOH, Lot na | 3 mL | VMFAS_00035 | 3 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | | | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| .VMFAS_00035 | 02/21/13 | 01/21/13 | MEOH, Lot 124454 | 100 mL | VM48799U_00010 | 1.25 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | VM556005_00011 | 1 mL | 1,1,1-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | VM861149_00019 | 2.5 mL | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| ..VM48799U_00010 | 06/30/13 | | Supelco, Lot LB91213 | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| ..VM556005_00011 | 05/31/13 | | Restek, Lot A085142 | | (Purchased Reagent) | | 1,1,1-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 2500 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,2,4-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 2500 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | Benzene | 2500 ug/mL |
| | | | | | | | Bromoform | 2500 ug/mL |
| | | | | | | | Carbon disulfide | 2500 ug/mL |
| | | | | | | | Carbon tetrachloride | 2500 ug/mL |
| | | | | | | | Chlorobenzene | 2500 ug/mL |
| | | | | | | | Chlorodibromomethane | 2500 ug/mL |
| | | | | | | | Chloroform | 2500 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Cyclohexane | 2500 ug/mL |
| | | | | | | | Dichlorobromomethane | 2500 ug/mL |
| | | | | | | | Ethylbenzene | 2500 ug/mL |
| | | | | | | | Ethylene Dibromide | 2500 ug/mL |
| | | | | | | | Isopropylbenzene | 2500 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 5000 ug/mL |
| | | | | | | | Methyl acetate | 2500 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 2500 ug/mL |
| | | | | | | | Methylcyclohexane | 2500 ug/mL |
| | | | | | | | Methylene Chloride | 2500 ug/mL |
| | | | | | | | o-Xylene | 2500 ug/mL |
| | | | | | | | Styrene | 2500 ug/mL |
| | | | | | | | Tetrachloroethene | 2500 ug/mL |
| | | | | | | | Toluene | 2500 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Trichloroethene | 2500 ug/mL |
| | | | | | | | Xylenes, Total | 7500 ug/mL |
| ..VM861149_00019 | 11/30/13 | | Supelco, Lot LB85301 | | (Purchased Reagent) | | 2-Butanone (MEK) | 2000 ug/mL |
| | | | | | | | 2-Hexanone | 2000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 2000 ug/mL |
| | | | | | | | Acetone | 2000 ug/mL |
| **VMFASWS_00132** | 02/21/13 | 02/14/13 | MEOH, Lot na | 3 mL | VMFAS_00035 | 3 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | | | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| .VMFAS_00035 | 02/21/13 | 01/21/13 | MEOH, Lot 124454 | 100 mL | VM48799U_00010 | 1.25 mL | Bromomethane | 25 ug/mL |
| | | | | | | | Chloroethane | 25 ug/mL |
| | | | | | | | Chloromethane | 25 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 25 ug/mL |
| | | | | | | | Trichlorofluoromethane | 25 ug/mL |
| | | | | | | | Vinyl chloride | 25 ug/mL |
| | | | | | VM556005_00011 | 1 mL | 1,1,1-Trichloroethane | 25 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 25 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 25 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 25 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 25 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 25 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 25 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 25 ug/mL |
| | | | | | | | Benzene | 25 ug/mL |
| | | | | | | | Bromoform | 25 ug/mL |
| | | | | | | | Carbon disulfide | 25 ug/mL |
| | | | | | | | Carbon tetrachloride | 25 ug/mL |
| | | | | | | | Chlorobenzene | 25 ug/mL |
| | | | | | | | Chlorodibromomethane | 25 ug/mL |
| | | | | | | | Chloroform | 25 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Cyclohexane | 25 ug/mL |
| | | | | | | | Dichlorobromomethane | 25 ug/mL |
| | | | | | | | Ethylbenzene | 25 ug/mL |
| | | | | | | | Ethylene Dibromide | 25 ug/mL |
| | | | | | | | Isopropylbenzene | 25 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 25 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 25 ug/mL |
| | | | | | | | Methylcyclohexane | 25 ug/mL |
| | | | | | | | Methylene Chloride | 25 ug/mL |
| | | | | | | | o-Xylene | 25 ug/mL |
| | | | | | | | Styrene | 25 ug/mL |
| | | | | | | | Tetrachloroethene | 25 ug/mL |
| | | | | | | | Toluene | 25 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 25 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 25 ug/mL |
| | | | | | | | Trichloroethene | 25 ug/mL |
| | | | | | | | Xylenes, Total | 75 ug/mL |
| | | | | | VM861149_00019 | 2.5 mL | 2-Butanone (MEK) | 50 ug/mL |
| | | | | | | | 2-Hexanone | 50 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL |
| | | | | | | | Acetone | 50 ug/mL |
| ..VM48799U_00010 | 06/30/13 | | Supelco, Lot LB91213 | | (Purchased Reagent) | | Bromomethane | 2000 ug/mL |
| | | | | | | | Chloroethane | 2000 ug/mL |
| | | | | | | | Chloromethane | 2000 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2000 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Trichlorofluoromethane | 2000 ug/mL |
| | | | | | | | Vinyl chloride | 2000 ug/mL |
| ..VM556005_00011 | 05/31/13 | | Restek, Lot A085142 | | (Purchased Reagent) | | 1,1,1-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 2500 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 2500 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | Benzene | 2500 ug/mL |
| | | | | | | | Bromoform | 2500 ug/mL |
| | | | | | | | Carbon disulfide | 2500 ug/mL |
| | | | | | | | Carbon tetrachloride | 2500 ug/mL |
| | | | | | | | Chlorobenzene | 2500 ug/mL |
| | | | | | | | Chlorodibromomethane | 2500 ug/mL |
| | | | | | | | Chloroform | 2500 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Cyclohexane | 2500 ug/mL |
| | | | | | | | Dichlorobromomethane | 2500 ug/mL |
| | | | | | | | Ethylbenzene | 2500 ug/mL |
| | | | | | | | Ethylene Dibromide | 2500 ug/mL |
| | | | | | | | Isopropylbenzene | 2500 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 5000 ug/mL |
| | | | | | | | Methyl acetate | 2500 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 2500 ug/mL |
| | | | | | | | Methylcyclohexane | 2500 ug/mL |
| | | | | | | | Methylene Chloride | 2500 ug/mL |
| | | | | | | | o-Xylene | 2500 ug/mL |
| | | | | | | | Styrene | 2500 ug/mL |
| | | | | | | | Tetrachloroethene | 2500 ug/mL |
| | | | | | | | Toluene | 2500 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Trichloroethene | 2500 ug/mL |
| | | | | | | | Xylenes, Total | 7500 ug/mL |
| ..VM861149_00019 | 11/30/13 | | Supelco, Lot LB85301 | | (Purchased Reagent) | | 2-Butanone (MEK) | 2000 ug/mL |
| | | | | | | | 2-Hexanone | 2000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 2000 ug/mL |
| | | | | | | | Acetone | 2000 ug/mL |
| **VMPRIMARY_00166** | 02/12/13 | 02/05/13 | MEOH, Lot na | 1 mL | VMCUS7814_00021 | 1 mL | 1,1,1,2-Tetrachloroethane | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dioxane | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 1000 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorobromomethane | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethyl methacrylate | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Hexane | 50 ug/mL |
| | | | | | | | Iodomethane | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | Naphthalene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | tert-Butylbenzene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Tetrahydrofuran | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | trans-1,4-Dichloro-2-butene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| .VMCUS7814_00021 | 01/31/15 | Ultra Scientific, Lot CJ-4366 | | | (Purchased Reagent) | | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dioxane | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 1000 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorobromomethane | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethyl methacrylate | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Hexane | 50 ug/mL |
| | | | | | | | Iodomethane | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | Naphthalene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | tert-Butylbenzene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Tetrahydrofuran | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | trans-1,4-Dichloro-2-butene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| **VMPRIMARY_00167** | 02/19/13 | 02/12/13 | MEOH, Lot na | 1 mL | VMCUS7814_00021 | 1 mL | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| | | | | | | | Xylenes, Total | 150 ug/mL |
| .VMCUS7814_00021 | 01/31/15 | | Ultra Scientific, Lot CJ-4366 | | (Purchased Reagent) | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chlorodibromomethane | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dichlorobromomethane | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Ethylene Dibromide | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 100 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| | | | | | | | Xylenes, Total | 150 ug/mL |
| **VMSUPPW_00113** | 02/12/13 | 02/05/13 | MEOH, Lot na | 1 mL | VMSUPP_00019 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| | | | | | | | Vinyl acetate | 50 ug/mL |
| | | | | | | | Acetonitrile | 500 ug/mL |
| | | | | | | | Acrolein | 500 ug/mL |
| | | | | | | | Acrylonitrile | 100 ug/mL |
| | | | | | | | 2-Chloroethyl vinyl ether | 100 ug/mL |
| .VMSUPP_00019 | 04/30/13 | 01/31/13 | MEOH, Lot 124454 | 50 mL | VM30006_00004 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | VMCU5013_00009 | 1 mL | Methyl acetate | 50 ug/mL |
| | | | | | | | Vinyl acetate | 50 ug/mL |
| | | | | | VMCUS8634_00008 | 1 mL | Acetonitrile | 500 ug/mL |
| | | | | | | | Acrolein | 500 ug/mL |
| | | | | | | | Acrylonitrile | 100 ug/mL |
| | | | | | VMEPA1016_00006 | 1 mL | 2-Chloroethyl vinyl ether | 100 ug/mL |
| ..VM30006_00004 | 11/30/13 | | Restek, Lot A076449 | | (Purchased Reagent) | | 2-Butanone (MEK) | 5000 ug/mL |
| | | | | | | | 2-Hexanone | 5000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 5000 ug/mL |
| | | | | | | | Acetone | 5000 ug/mL |

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| ..VMCU5013_00009 | 05/31/13 | | Ultra, Lot CK-0277 | | (Purchased Reagent) | | Methyl acetate | 2500 ug/mL |
| | | | | | | | Vinyl acetate | 2500 ug/mL |
| ..VMCUS8634_00008 | 05/31/13 | | Ultra, Lot CK-0228 | | (Purchased Reagent) | | Acetonitrile | 25000 ug/mL |
| | | | | | | | Acrolein | 25000 ug/mL |
| | | | | | | | Acrylonitrile | 5000 ug/mL |
| ..VMEPA1016_00006 | 06/30/14 | | Ultra, Lot CG-0850A | | (Purchased Reagent) | | 2-Chloroethyl vinyl ether | 5000 ug/mL |
| **VMSUPPW_00114** | 02/20/13 | 02/13/13 | MEOH, Lot na | 1 mL | VMSUPP_00019 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | | | Methyl acetate | 50 ug/mL |
| .VMSUPP_00019 | 04/30/13 | 01/31/13 | MEOH, Lot 124454 | 50 mL | VM30006_00004 | 1 mL | 2-Butanone (MEK) | 100 ug/mL |
| | | | | | | | 2-Hexanone | 100 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL |
| | | | | | | | Acetone | 100 ug/mL |
| | | | | | VMCU5013_00009 | 1 mL | Methyl acetate | 50 ug/mL |
| ..VM30006_00004 | 11/30/13 | | Restek, Lot A076449 | | (Purchased Reagent) | | 2-Butanone (MEK) | 5000 ug/mL |
| | | | | | | | 2-Hexanone | 5000 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone (MIBK) | 5000 ug/mL |
| | | | | | | | Acetone | 5000 ug/mL |
| ..VMCU5013_00009 | 05/31/13 | | Ultra, Lot CK-0277 | | (Purchased Reagent) | | Methyl acetate | 2500 ug/mL |
| **WC LCS_00005** | 06/03/13 | 12/03/12 | DIWATER, Lot 12/3/2012 | 1 L | WCTOCLCS_00016 | 500 mL | Total Organic Carbon | 24.05 mg/L |
| .WCTOCLCS_00016 | 06/30/14 | | ERA, Lot Q031-516 | | (Purchased Reagent) | | Total Organic Carbon | 48.1 mg/L |
| **WC TOC CCV_00119** | 02/18/13 | 02/11/13 | DIWATER, Lot 10/25/2012 | 250 mL | WCCARBON1000_00015 | 6.25 mL | Total Organic Carbon | 25 mg/L |
| .WCCARBON1000_00015 | 08/03/14 | | LABCHEM, Lot B215-056 | | (Purchased Reagent) | | Total Organic Carbon | 1000 mg/L |
| **WCCLCCV.1_00060** | 03/05/13 | 02/05/13 | DIWATER, Lot 02/05/13 | 100 mL | WCCHLORIDESEC_00002 | 2.5 mL | Chloride | 25 mg/L |
| .WCCHLORIDESEC_00002 | 01/13/14 | | LABCHEM, Lot B012-08 | | (Purchased Reagent) | | Chloride | 1000 mg/L |
| **WCICCALSOLN_00081** | 03/01/13 | 12/13/12 | ELUENT, Lot 770747 | 20 mL | WCICSOLNA1_00007 | 1.6 mL | Nitrate as N | 10 mg/L |
| | | | | | | | Orthophosphate | 10 mg/L |
| | | | | | WCICSOLNB1_00007 | 1.6 mL | Nitrite as N | 10 mg/L |
| .WCICSOLNA1_00007 | 03/01/13 | | Inorganic Ventures, Lot F2-MEB410035 | | (Purchased Reagent) | | Nitrate as N | 125 ug/mL |
| | | | | | | | Orthophosphate | 125 ug/mL |
| .WCICSOLNB1_00007 | 03/01/13 | | Inorganic Ventures, Lot F2-MEB411043 | | (Purchased Reagent) | | Nitrite as N | 125 ug/mL |
| **WCICCCV_00237** | 02/18/13 | 02/11/13 | ELUENT, Lot 854890 | 100 mL | WCICSOLNA1_00007 | 2 mL | Nitrate as N | 2.5 mg/L |
| .WCICSOLNA1_00007 | 03/01/13 | | Inorganic Ventures, Lot F2-MEB410035 | | (Purchased Reagent) | | Nitrate as N | 125 ug/mL |
| **WCICLCS_00144** | 12/20/12 | 12/13/12 | ELUENT, Lot 770747 | 100 mL | WCICSOLNA2_00008 | 10 mL | Nitrate as N | 2.5 mg/L |
| .WCICSOLNA2_00008 | 10/08/13 | | High Purity Standards, Lot 1227707 | | (Purchased Reagent) | | Nitrate as N | 25 ug/mL |
| **WCICLCS_00159** | 02/13/13 | 02/06/13 | ELUENT, Lot 834861 | 100 mL | WCICSOLNA2_00008 | 10 mL | Nitrate as N | 2.5 mg/L |
| .WCICSOLNA2_00008 | 10/08/13 | | High Purity Standards, Lot 1227707 | | (Purchased Reagent) | | Nitrate as N | 25 ug/mL |
| **WCICSOLNA1_00007** | 03/01/13 | | Inorganic Ventures, Lot F2-MEB410035 | | (Purchased Reagent) | | Nitrate as N | 125 ug/mL |
| **WCPHENOMINER_00001** | 07/31/15 | | PHENOVA-WIBBY, Lot 8124-08 | | (Purchased Reagent) | | Alkalinity | 39.8 mg/L |
| **WCSULFIDELCS_00352** | 03/05/13 | 02/05/13 | DIWATER, Lot 02/05/13 | 250 mL | WCNA SULFIDE_00322 | 3.5 g | Sulfide | 1671.85 mg/L |
| .WCNA SULFIDE_00322 | 02/17/15 | | FISHER SCIENTIFIC, Lot 090515 | | (Purchased Reagent) | | Sulfide | 0.119418 g/g |
| **WCSULFIDELCS_00353** | 03/05/13 | 02/05/13 | DIWATER, Lot 02/05/13 | 250 mL | WCNA SULFIDE_00323 | 3.5 g | Sulfide | 1708.88 mg/L |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| .WCNA SULFIDE_00323 | 02/17/15 | FISHER SCIENTIFIC, Lot 090515 | | | (Purchased Reagent) | | Sulfide | 0.122063 g/g |
| **WCWIBBYMINERA_00002** | 02/27/15 | WIBBY, Lot 8119-08 | | | (Purchased Reagent) | | Sulfate | 91.1 mg/L |

# Certification Summary

Client: Cardinal Resources
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|---|---|---|---|---|
| TestAmerica Canton | California | NELAP | 9 | 01144CA |
| TestAmerica Canton | Connecticut | State Program | 1 | PH-0590 |
| TestAmerica Canton | Florida | NELAP | 4 | E87225 |
| TestAmerica Canton | Georgia | State Program | 4 | N/A |
| TestAmerica Canton | Illinois | NELAP | 5 | 200004 |
| TestAmerica Canton | Kansas | NELAP | 7 | E-10336 |
| TestAmerica Canton | Kentucky | State Program | 4 | 58 |
| TestAmerica Canton | L-A-B | DoD ELAP | | L2315 |
| TestAmerica Canton | Nevada | State Program | 9 | OH-000482008A |
| TestAmerica Canton | New Jersey | NELAP | 2 | OH001 |
| TestAmerica Canton | New York | NELAP | 2 | 10975 |
| TestAmerica Canton | Ohio VAP | State Program | 5 | CL0024 |
| TestAmerica Canton | Pennsylvania | NELAP | 3 | 68-00340 |
| TestAmerica Canton | Texas | NELAP | 6 | |
| TestAmerica Canton | USDA | Federal | | P330-11-00328 |
| TestAmerica Canton | Virginia | NELAP | 3 | 460175 |
| TestAmerica Canton | Wisconsin | State Program | 5 | 999518190 |

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

# Method 8260B

## Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | DBFM # | DCA # | TOL # | BFB # |
|---|---|---|---|---|---|
| FIELD BLANK 3 | 240-20928-1 | 93 | 83 | 82 | 80 |
| OW-10R | 240-20928-2 | 94 | 83 | 81 | 84 |
| OW-22 | 240-20928-3 | 88 | 84 | 81 | 84 |
| OW-21 | 240-20928-4 | 92 | 84 | 81 | 80 |
| MW-4 | 240-20928-5 | 91 | 90 | 83 | 82 |
| TRIP BLANK 2 | 240-20928-6 | 94 | 88 | 82 | 80 |
| FIELD BLANK 2 | 240-20928-7 | 89 | 83 | 84 | 85 |
| OW-18 | 240-20928-8 | 86 | 78 | 87 | 86 |
| OW-24 | 240-20928-9 | 86 | 81 | 87 | 77 |
| OW-19 | 240-20928-10 | 86 | 79 | 88 | 83 |
| PUMP RINSATE BLANK | 240-20928-11 | 87 | 81 | 88 | 78 |
| OW-25 | 240-20928-12 | 92 | 81 | 87 | 81 |
| OW-13R | 240-20928-13 | 86 | 79 | 87 | 78 |
| GW-DUP | 240-20928-14 | 86 | 78 | 89 | 79 |
| | MB 240-75367/6 | 90 | 84 | 83 | 83 |
| | MB 240-75453/5 | 83 | 79 | 87 | 83 |
| | LCS 240-75367/5 | 83 | 83 | 88 | 101 |
| | LCS 240-75453/4 | 86 | 81 | 95 | 98 |

| | QC LIMITS |
|---|---|
| DBFM = Dibromofluoromethane (Surr) | 75-121 |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 63-129 |
| TOL = Toluene-d8 (Surr) | 74-115 |
| BFB = 4-Bromofluorobenzene (Surr) | 66-117 |

# Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX2397.D

Lab ID: LCS 240-75367/5 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Acetone | 20.0 | 19.1 | 95 | 43-136 | |
| Benzene | 10.0 | 10.4 | 104 | 83-112 | |
| Dichlorobromomethane | 10.0 | 10.2 | 102 | 72-121 | |
| Bromoform | 10.0 | 8.98 | 90 | 40-131 | |
| Bromomethane | 10.0 | 9.43 | 94 | 11-185 | |
| 2-Butanone (MEK) | 20.0 | 18.5 | 92 | 60-126 | |
| Carbon disulfide | 10.0 | 10.1 | 101 | 62-142 | |
| Carbon tetrachloride | 10.0 | 10.2 | 102 | 66-128 | |
| Chlorobenzene | 10.0 | 9.86 | 99 | 85-110 | |
| Chloroethane | 10.0 | 9.83 | 98 | 25-153 | |
| Chloroform | 10.0 | 9.77 | 98 | 79-117 | |
| Chloromethane | 10.0 | 10.4 | 104 | 44-126 | |
| 1,1-Dichloroethane | 10.0 | 10.1 | 101 | 82-115 | |
| 1,2-Dichloroethane | 10.0 | 9.97 | 100 | 71-127 | |
| 1,1-Dichloroethene | 10.0 | 10.6 | 106 | 78-131 | |
| 1,2-Dichloropropane | 10.0 | 10.5 | 105 | 81-115 | |
| cis-1,3-Dichloropropene | 10.0 | 9.55 | 95 | 61-115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.52 | 95 | 58-117 | |
| Ethylbenzene | 10.0 | 10.3 | 103 | 83-112 | |
| 2-Hexanone | 20.0 | 18.1 | 90 | 55-133 | |
| Methylene Chloride | 10.0 | 9.59 | 96 | 66-131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 19.7 | 98 | 63-128 | |
| Styrene | 10.0 | 9.75 | 97 | 79-114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.53 | 95 | 68-118 | |
| Tetrachloroethene | 10.0 | 9.65 | 97 | 79-114 | |
| Toluene | 10.0 | 10.0 | 100 | 84-111 | |
| Trichloroethene | 10.0 | 10.3 | 103 | 76-117 | |
| Vinyl chloride | 10.0 | 10.5 | 105 | 53-127 | |
| Xylenes, Total | 30.0 | 31.3 | 104 | 83-112 | |
| 1,1,1-Trichloroethane | 10.0 | 9.71 | 97 | 74-118 | |
| 1,1,2-Trichloroethane | 10.0 | 9.88 | 99 | 80-112 | |
| Cyclohexane | 10.0 | 10.1 | 101 | 54-121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 9.95 | 99 | 42-136 | |
| Ethylene Dibromide | 10.0 | 9.79 | 98 | 79-113 | |
| Dichlorodifluoromethane | 10.0 | 9.54 | 95 | 19-129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.95 | 99 | 80-113 | |
| trans-1,2-Dichloroethene | 10.0 | 10.1 | 101 | 83-117 | |
| Isopropylbenzene | 10.0 | 10.7 | 107 | 75-114 | |
| Methyl acetate | 10.0 | ND | 93 | 58-131 | |
| Methyl tert-butyl ether | 10.0 | 9.31 | 93 | 52-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 11.4 | 114 | 74-151 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX2397.D

Lab ID: LCS 240-75367/5 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | 8.88 | 89 | 48-135 | |
| 1,2-Dichlorobenzene | 10.0 | 10.3 | 103 | 81-110 | |
| 1,3-Dichlorobenzene | 10.0 | 10.1 | 101 | 80-110 | |
| 1,4-Dichlorobenzene | 10.0 | 9.59 | 96 | 82-110 | |
| Trichlorofluoromethane | 10.0 | 10.2 | 102 | 49-157 | |
| Chlorodibromomethane | 10.0 | 9.78 | 98 | 64-119 | |
| Methylcyclohexane | 10.0 | 10.3 | 103 | 56-127 | |
| m-Xylene & p-Xylene | 20.0 | 20.9 | 104 | 83-113 | |
| o-Xylene | 10.0 | 10.4 | 104 | 83-113 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX2423.D

Lab ID: LCS 240-75453/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Acetone | 20.0 | 15.8 | 79 | 43-136 | |
| Benzene | 10.0 | 9.81 | 98 | 83-112 | |
| Dichlorobromomethane | 10.0 | 9.46 | 95 | 72-121 | |
| Bromoform | 10.0 | 9.27 | 93 | 40-131 | |
| Bromomethane | 10.0 | 7.96 | 80 | 11-185 | |
| 2-Butanone (MEK) | 20.0 | 16.4 | 82 | 60-126 | |
| Carbon disulfide | 10.0 | 9.30 | 93 | 62-142 | |
| Carbon tetrachloride | 10.0 | 9.61 | 96 | 66-128 | |
| Chlorobenzene | 10.0 | 10.3 | 103 | 85-110 | |
| Chloroethane | 10.0 | 8.73 | 87 | 25-153 | |
| Chloroform | 10.0 | 9.57 | 96 | 79-117 | |
| Chloromethane | 10.0 | 9.07 | 91 | 44-126 | |
| 1,1-Dichloroethane | 10.0 | 9.63 | 96 | 82-115 | |
| 1,2-Dichloroethane | 10.0 | 9.31 | 93 | 71-127 | |
| 1,1-Dichloroethene | 10.0 | 9.14 | 91 | 78-131 | |
| 1,2-Dichloropropane | 10.0 | 9.67 | 97 | 81-115 | |
| cis-1,3-Dichloropropene | 10.0 | 8.78 | 88 | 61-115 | |
| trans-1,3-Dichloropropene | 10.0 | 9.54 | 95 | 58-117 | |
| Ethylbenzene | 10.0 | 10.5 | 105 | 83-112 | |
| 2-Hexanone | 20.0 | 19.3 | 96 | 55-133 | |
| Methylene Chloride | 10.0 | 9.09 | 91 | 66-131 | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 17.9 | 90 | 63-128 | |
| Styrene | 10.0 | 10.0 | 100 | 79-114 | |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.87 | 99 | 68-118 | |
| Tetrachloroethene | 10.0 | 9.98 | 100 | 79-114 | |
| Toluene | 10.0 | 10.5 | 105 | 84-111 | |
| Trichloroethene | 10.0 | 9.65 | 96 | 76-117 | |
| Vinyl chloride | 10.0 | 9.40 | 94 | 53-127 | |
| Xylenes, Total | 30.0 | 32.2 | 107 | 83-112 | |
| 1,1,1-Trichloroethane | 10.0 | 9.36 | 94 | 74-118 | |
| 1,1,2-Trichloroethane | 10.0 | 10.5 | 105 | 80-112 | |
| Cyclohexane | 10.0 | 9.57 | 96 | 54-121 | |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.87 | 89 | 42-136 | |
| Ethylene Dibromide | 10.0 | 9.93 | 99 | 79-113 | |
| Dichlorodifluoromethane | 10.0 | 8.42 | 84 | 19-129 | |
| cis-1,2-Dichloroethene | 10.0 | 9.85 | 98 | 80-113 | |
| trans-1,2-Dichloroethene | 10.0 | 9.94 | 99 | 83-117 | |
| Isopropylbenzene | 10.0 | 10.8 | 108 | 75-114 | |
| Methyl acetate | 10.0 | ND | 80 | 58-131 | |
| Methyl tert-butyl ether | 10.0 | 8.67 | 87 | 52-144 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 10.4 | 104 | 74-151 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX2423.D

Lab ID: LCS 240-75453/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 10.0 | 8.04 | 80 | 48-135 | |
| 1,2-Dichlorobenzene | 10.0 | 10.5 | 105 | 81-110 | |
| 1,3-Dichlorobenzene | 10.0 | 10.3 | 103 | 80-110 | |
| 1,4-Dichlorobenzene | 10.0 | 10.1 | 101 | 82-110 | |
| Trichlorofluoromethane | 10.0 | 9.53 | 95 | 49-157 | |
| Chlorodibromomethane | 10.0 | 10.2 | 102 | 64-119 | |
| Methylcyclohexane | 10.0 | 9.60 | 96 | 56-127 | |
| m-Xylene & p-Xylene | 20.0 | 21.4 | 107 | 83-113 | |
| o-Xylene | 10.0 | 10.8 | 108 | 83-113 | |

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab File ID: UXX2398.D Lab Sample ID: MB 240-75367/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 02/14/2013 16:22

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 240-75367/5 | UXX2397.D | 02/14/2013 16:00 |
| FIELD BLANK 3 | 240-20928-1 | UXX2412.D | 02/14/2013 21:21 |
| OW-10R | 240-20928-2 | UXX2413.D | 02/14/2013 21:43 |
| OW-22 | 240-20928-3 | UXX2414.D | 02/14/2013 22:04 |
| OW-21 | 240-20928-4 | UXX2415.D | 02/14/2013 22:25 |
| MW-4 | 240-20928-5 | UXX2416.D | 02/14/2013 22:46 |
| TRIP BLANK 2 | 240-20928-6 | UXX2417.D | 02/14/2013 23:08 |
| FIELD BLANK 2 | 240-20928-7 | UXX2418.D | 02/14/2013 23:29 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab File ID: UXX2424.D Lab Sample ID: MB 240-75453/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 02/15/2013 11:18

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 240-75453/4 | UXX2423.D | 02/15/2013 10:57 |
| OW-18 | 240-20928-8 | UXX2435.D | 02/15/2013 15:22 |
| OW-24 | 240-20928-9 | UXX2436.D | 02/15/2013 15:44 |
| OW-19 | 240-20928-10 | UXX2437.D | 02/15/2013 16:05 |
| PUMP RINSATE BLANK | 240-20928-11 | UXX2438.D | 02/15/2013 16:27 |
| OW-25 | 240-20928-12 | UXX2439.D | 02/15/2013 16:49 |
| OW-13R | 240-20928-13 | UXX2440.D | 02/15/2013 17:11 |
| GW-DUP | 240-20928-14 | UXX2441.D | 02/15/2013 17:32 |

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab File ID: BFB5128.D BFB Injection Date: 02/11/2013

Instrument ID: A3UX10 BFB Injection Time: 09:15

Analysis Batch No.: 74846

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 17.8 | |
| 75 | 30.0 - 60.0 % of mass 95 | 55.9 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 5.2 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 99.1 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.7 | (6.8)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 96.1 | (97.0)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 6.9 | (7.2)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | STD8260 240-74846/2 | UXX2336.D | 02/11/2013 | 09:40 |
| | STD8260 240-74846/3 | UXX2337.D | 02/11/2013 | 10:02 |
| | STD8260 240-74846/4 | UXX2338.D | 02/11/2013 | 10:24 |
| | STD8260 240-74846/5 | UXX2339.D | 02/11/2013 | 10:45 |
| | STD8260 240-74846/6 | UXX2340.D | 02/11/2013 | 11:07 |
| | STD8260 240-74846/7 | UXX2341.D | 02/11/2013 | 11:29 |
| | ICV 240-74846/14 | UXX2348.D | 02/11/2013 | 14:00 |

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab File ID: BFB5130.D BFB Injection Date: 02/14/2013

Instrument ID: A3UX10 BFB Injection Time: 14:27

Analysis Batch No.: 75367

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 18.1 | |
| 75 | 30.0 - 60.0 % of mass 95 | 53.5 | |
| 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 | 0.8 | (0.8)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 97.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 7.2 | (7.3)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 95.7 | (97.7)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 6.8 | (7.1)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 240-75367/3 | UXX2395.D | 02/14/2013 | 15:17 |
| | CCV 240-75367/4 | UXX2396.D | 02/14/2013 | 15:38 |
| | LCS 240-75367/5 | UXX2397.D | 02/14/2013 | 16:00 |
| | MB 240-75367/6 | UXX2398.D | 02/14/2013 | 16:22 |
| FIELD BLANK 3 | 240-20928-1 | UXX2412.D | 02/14/2013 | 21:21 |
| OW-10R | 240-20928-2 | UXX2413.D | 02/14/2013 | 21:43 |
| OW-22 | 240-20928-3 | UXX2414.D | 02/14/2013 | 22:04 |
| OW-21 | 240-20928-4 | UXX2415.D | 02/14/2013 | 22:25 |
| MW-4 | 240-20928-5 | UXX2416.D | 02/14/2013 | 22:46 |
| TRIP BLANK 2 | 240-20928-6 | UXX2417.D | 02/14/2013 | 23:08 |
| FIELD BLANK 2 | 240-20928-7 | UXX2418.D | 02/14/2013 | 23:29 |

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab File ID: BFB5131.D BFB Injection Date: 02/15/2013

Instrument ID: A3UX10 BFB Injection Time: 09:45

Analysis Batch No.: 75453

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 18.0 | |
| 75 | 30.0 - 60.0 % of mass 95 | 51.6 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.8 | |
| 173 | Less than 2.0 % of mass 174 | 0.7 | (0.8)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 94.6 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.6 | (7.0)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 92.6 | (97.8)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 6.6 | (7.2)2 |

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

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

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 240-75453/2 | UXX2421.D | 02/15/2013 | 10:14 |
| | CCV 240-75453/3 | UXX2422.D | 02/15/2013 | 10:35 |
| | LCS 240-75453/4 | UXX2423.D | 02/15/2013 | 10:57 |
| | MB 240-75453/5 | UXX2424.D | 02/15/2013 | 11:18 |
| OW-18 | 240-20928-8 | UXX2435.D | 02/15/2013 | 15:22 |
| OW-24 | 240-20928-9 | UXX2436.D | 02/15/2013 | 15:44 |
| OW-19 | 240-20928-10 | UXX2437.D | 02/15/2013 | 16:05 |
| PUMP RINSATE BLANK | 240-20928-11 | UXX2438.D | 02/15/2013 | 16:27 |
| OW-25 | 240-20928-12 | UXX2439.D | 02/15/2013 | 16:49 |
| OW-13R | 240-20928-13 | UXX2440.D | 02/15/2013 | 17:11 |
| GW-DUP | 240-20928-14 | UXX2441.D | 02/15/2013 | 17:32 |

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Sample No.: STD8260 240-74846/4 Date Analyzed: 02/11/2013 10:24

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX2338.D Heated Purge: (Y/N) N

Calibration ID: 13632

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | | 1676113 | 5.21 | 1251917 | 7.88 | 686055 | 10.12 |
| UPPER LIMIT | | 3352226 | 5.71 | 2503834 | 8.38 | 1372110 | 10.62 |
| LOWER LIMIT | | 838057 | 4.71 | 625959 | 7.38 | 343028 | 9.62 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 240-74846/14 | | 1488493 | 5.21 | 1077573 | 7.88 | 625019 | 10.12 |
| CCVIS 240-75367/3 | | 1713150 | 5.20 | 1291782 | 7.88 | 793958 | 10.12 |
| CCVIS 240-75453/2 | | 1997482 | 5.20 | 1322536 | 7.87 | 756887 | 10.12 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Sample No.: CCVIS 240-75367/3 Date Analyzed: 02/14/2013 15:17

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX2395.D Heated Purge: (Y/N) N

Calibration ID: 13634

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 1713150 | 5.20 | 1291782 | 7.88 | 793958 | 10.12 |
| UPPER LIMIT | | 3426300 | 5.70 | 2583564 | 8.38 | 1587916 | 10.62 |
| LOWER LIMIT | | 856575 | 4.70 | 645891 | 7.38 | 396979 | 9.62 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| CCV 240-75367/4 | | 1785457 | 5.21 | 1231027 | 7.88 | 617778 | 10.12 |
| LCS 240-75367/5 | | 1746651 | 5.20 | 1321942 | 7.88 | 800389 | 10.12 |
| MB 240-75367/6 | | 1518005 | 5.20 | 1144824 | 7.87 | 592350 | 10.12 |
| 240-20928-1 | FIELD BLANK 3 | 1388449 | 5.21 | 1030400 | 7.88 | 540723 | 10.12 |
| 240-20928-2 | OW-10R | 1406460 | 5.21 | 1009014 | 7.88 | 557572 | 10.12 |
| 240-20928-3 | OW-22 | 1428934 | 5.20 | 1044743 | 7.87 | 548558 | 10.12 |
| 240-20928-4 | OW-21 | 1361983 | 5.20 | 1030175 | 7.87 | 564772 | 10.12 |
| 240-20928-5 | MW-4 | 1322998 | 5.21 | 1025089 | 7.88 | 578214 | 10.12 |
| 240-20928-6 | TRIP BLANK 2 | 1356943 | 5.20 | 1037802 | 7.88 | 540497 | 10.12 |
| 240-20928-7 | FIELD BLANK 2 | 1407412 | 5.21 | 1050312 | 7.88 | 554072 | 10.12 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Sample No.: CCVIS 240-75453/2 Date Analyzed: 02/15/2013 10:14

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX2421.D Heated Purge: (Y/N) N

Calibration ID: 13634

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12/24 HOUR STD | | 1997482 | 5.20 | 1322536 | 7.87 | 756887 | 10.12 |
| UPPER LIMIT | | 3994964 | 5.70 | 2645072 | 8.37 | 1513774 | 10.62 |
| LOWER LIMIT | | 998741 | 4.70 | 661268 | 7.37 | 378444 | 9.62 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| CCV 240-75453/3 | | 1919542 | 5.20 | 1237907 | 7.88 | 597730 | 10.12 |
| LCS 240-75453/4 | | 1845784 | 5.20 | 1226271 | 7.87 | 742368 | 10.12 |
| MB 240-75453/5 | | 1660204 | 5.20 | 1138985 | 7.88 | 553708 | 10.12 |
| 240-20928-8 | OW-18 | 1634413 | 5.21 | 1076870 | 7.88 | 580553 | 10.12 |
| 240-20928-9 | OW-24 | 1598849 | 5.20 | 1098084 | 7.87 | 531680 | 10.12 |
| 240-20928-10 | OW-19 | 1582537 | 5.20 | 1058706 | 7.88 | 564203 | 10.12 |
| 240-20928-11 | PUMP RINSATE BLANK | 1540528 | 5.21 | 1040429 | 7.88 | 531985 | 10.12 |
| 240-20928-12 | OW-25 | 1486326 | 5.20 | 987074 | 7.87 | 511669 | 10.12 |
| 240-20928-13 | OW-13R | 1499056 | 5.20 | 1010939 | 7.87 | 506367 | 10.12 |
| 240-20928-14 | GW-DUP | 1609743 | 5.20 | 1049739 | 7.88 | 522014 | 10.12 |

FB = Fluorobenzene
FB = Fluorobenzene
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT
DCB = 1,4-Dichlorobenzene-d4

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: FIELD BLANK 3 | Lab Sample ID: 240-20928-1

Matrix: Water | Lab File ID: UXX2412.D

Analysis Method: 8260B | Date Collected: 02/08/2013 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 21:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: FIELD BLANK 3 | Lab Sample ID: 240-20928-1

Matrix: Water | Lab File ID: UXX2412.D

Analysis Method: 8260B | Date Collected: 02/08/2013 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 21:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 83 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 80 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 82 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 93 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2412.D
Lims ID: 240-20928-B-1 Client ID: FIELD BLANK 3
Inject. Date: 14-Feb-2013 21:21:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017353-020
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 75367 Lims Sample ID: 20
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 08:05:58

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.208 | 5.208 | 0.0 | 100 | 1388449 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.881 | 0.0 | 83 | 1030400 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 95 | 540723 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.629 | -0.001 | 57 | 353005 | 9.29 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 419124 | 8.32 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 93 | 1193554 | 8.21 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.993 | 8.982 | 0.011 | 96 | 377828 | 8.04 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | 9 |
| 16 Bromomethane | 94 | | 2.086 | | | | | 9 |
| 17 Chloroethane | 64 | | 2.169 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | 9 |
| 24 Acetone | 43 | 2.830 | 2.831 | -0.001 | 81 | 31386 | 2.99 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | 9 |
| 31 Methylene Chloride | 84 | | 3.198 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 42 2-Butanone (MEK) | 43 | | 4.239 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | | 4.239 | | | | | |
| 50 Chloroform | 83 | 4.498 | 4.499 | -0.001 | 88 | 35571 | 0.5058 | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.125 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | |
| 111 1,2-Dichlorobenzene | 146 | | 10.508 | | | | | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

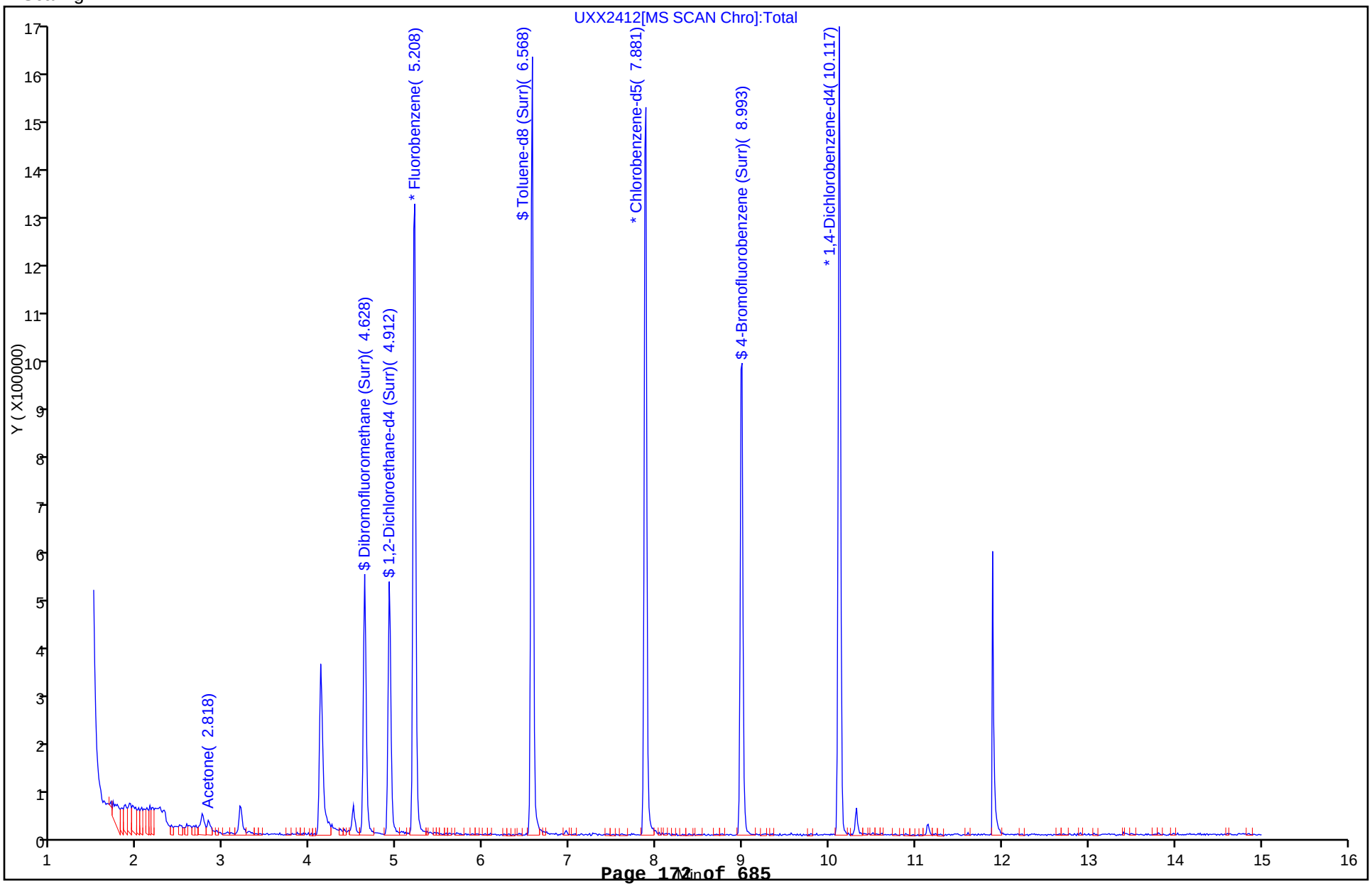
Report Date: 15-Feb-2013 08:17:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2412.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 21:21:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | FIELD BLANK 3 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 20 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-10R | Lab Sample ID: 240-20928-2

Matrix: Water | Lab File ID: UXX2413.D

Analysis Method: 8260B | Date Collected: 02/08/2013 09:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 21:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 2.8 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 6.0 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 1.3 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-10R | Lab Sample ID: 240-20928-2

Matrix: Water | Lab File ID: UXX2413.D

Analysis Method: 8260B | Date Collected: 02/08/2013 09:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 21:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 83 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 84 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 81 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2413.D
Lims ID: 240-20928-A-2 Client ID: OW-10R
Inject. Date: 14-Feb-2013 21:43:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017353-021
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 75367 Lims Sample ID: 21
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 08:06:39

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.208 | 5.208 | 0.0 | 99 | 1406460 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.882 | 7.881 | 0.001 | 83 | 1009014 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 94 | 557572 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.629 | 4.629 | 0.0 | 58 | 362076 | 9.41 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.913 | 4.913 | 0.0 | 0 | 425163 | 8.33 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.569 | 6.569 | 0.0 | 93 | 1150777 | 8.08 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.982 | 8.982 | 0.0 | 95 | 384689 | 8.36 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.565 | 0.0 | 61 | 9645 | 0.2639 | |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | 1.790 | 1.790 | 0.0 | 75 | 40598 | 0.7633 | |
| 16 Bromomethane | 94 | | 2.086 | | | | | 9 |
| 17 Chloroethane | 64 | 2.168 | 2.169 | -0.001 | 95 | 45193 | 1.31 | |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | 2.819 | 2.831 | -0.012 | 62 | 11449 | 1.08 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | | 3.198 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | 9 |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.239 | | | | | 9 |
| 43 cis-1,2-Dichloroethene | 96 | 4.250 | 4.239 | 0.011 | 59 | 21949 | 0.5151 | |
| 50 Chloroform | 83 | | 4.499 | | | | | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | 9 |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.984 | 4.984 | 0.0 | 93 | 441341 | 2.79 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | 9 |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | |
| 73 Toluene | 91 | 6.628 | 6.628 | 0.0 | 50 | 17020 | 0.1045 | |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | 9 |
| 78 Tetrachloroethene | 164 | | 7.125 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | 7.905 | 7.905 | 0.0 | 94 | 608592 | 5.96 | |
| 87 Ethylbenzene | 106 | 8.000 | 8.000 | 0.0 | 66 | 6010 | 0.1121 | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | 9 |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | 9 |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | 8.840 | 8.840 | 0.0 | 60 | 18546 | 0.1233 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | 10.141 | 10.141 | 0.0 | 77 | 50803 | 0.6274 | |
| 111 1,2-Dichlorobenzene | 146 | 10.508 | 10.508 | 0.0 | 85 | 28311 | 0.4038 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

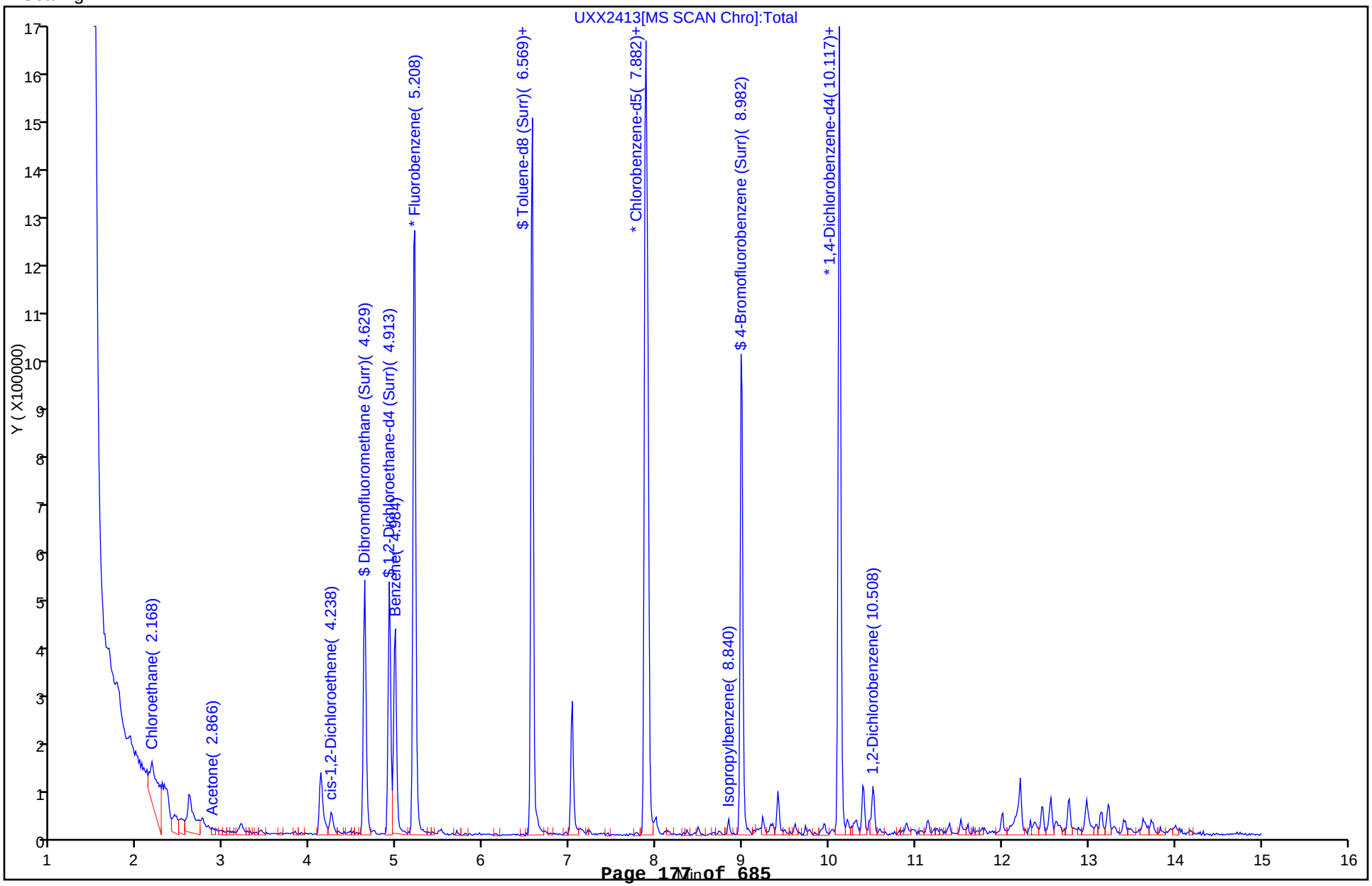
Report Date: 15-Feb-2013 08:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2413.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 21:43:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-10R | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 21 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



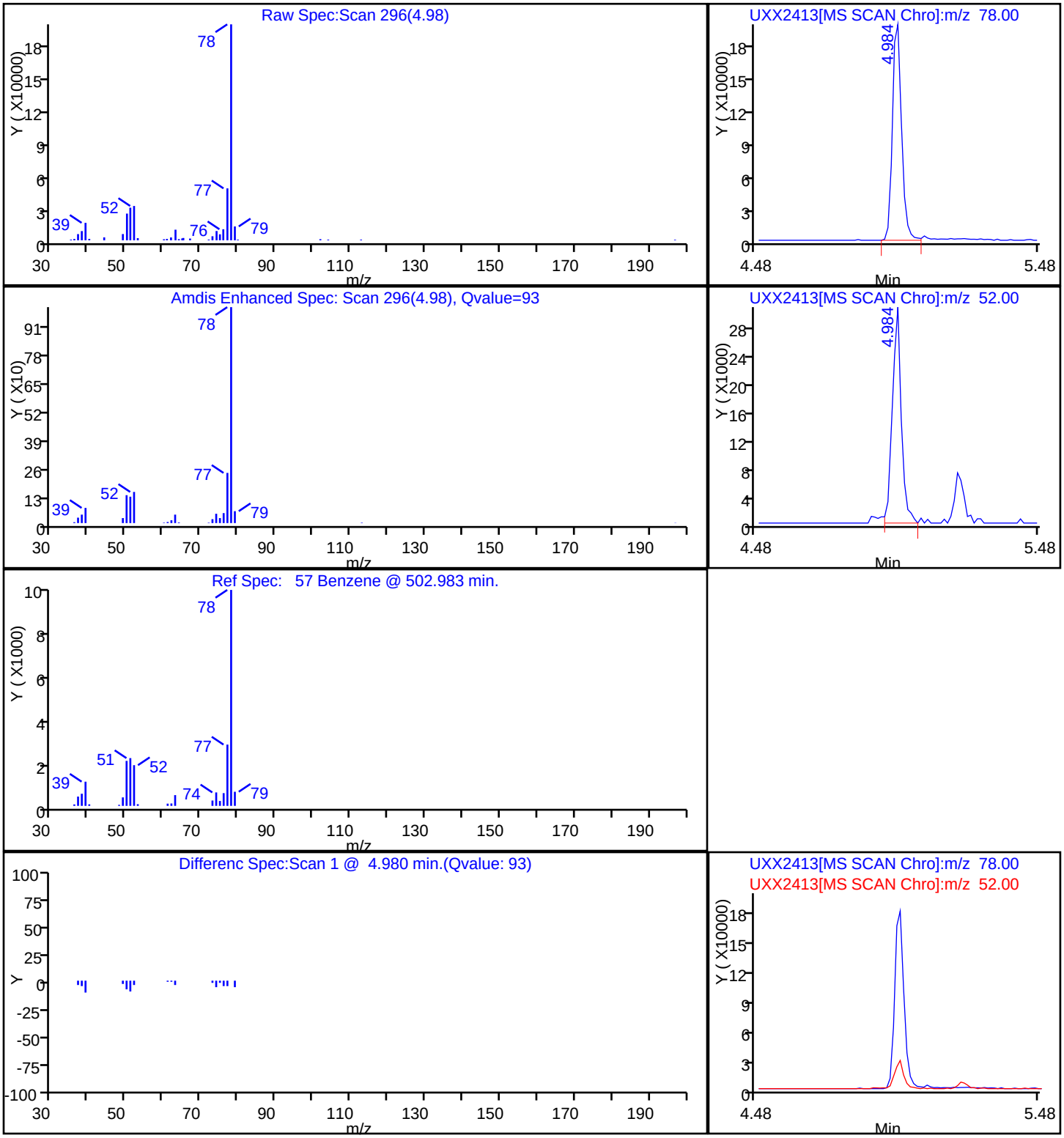
Report Date: 15-Feb-2013 08:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2413.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 21:43:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-10R | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 21 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

57 Benzene



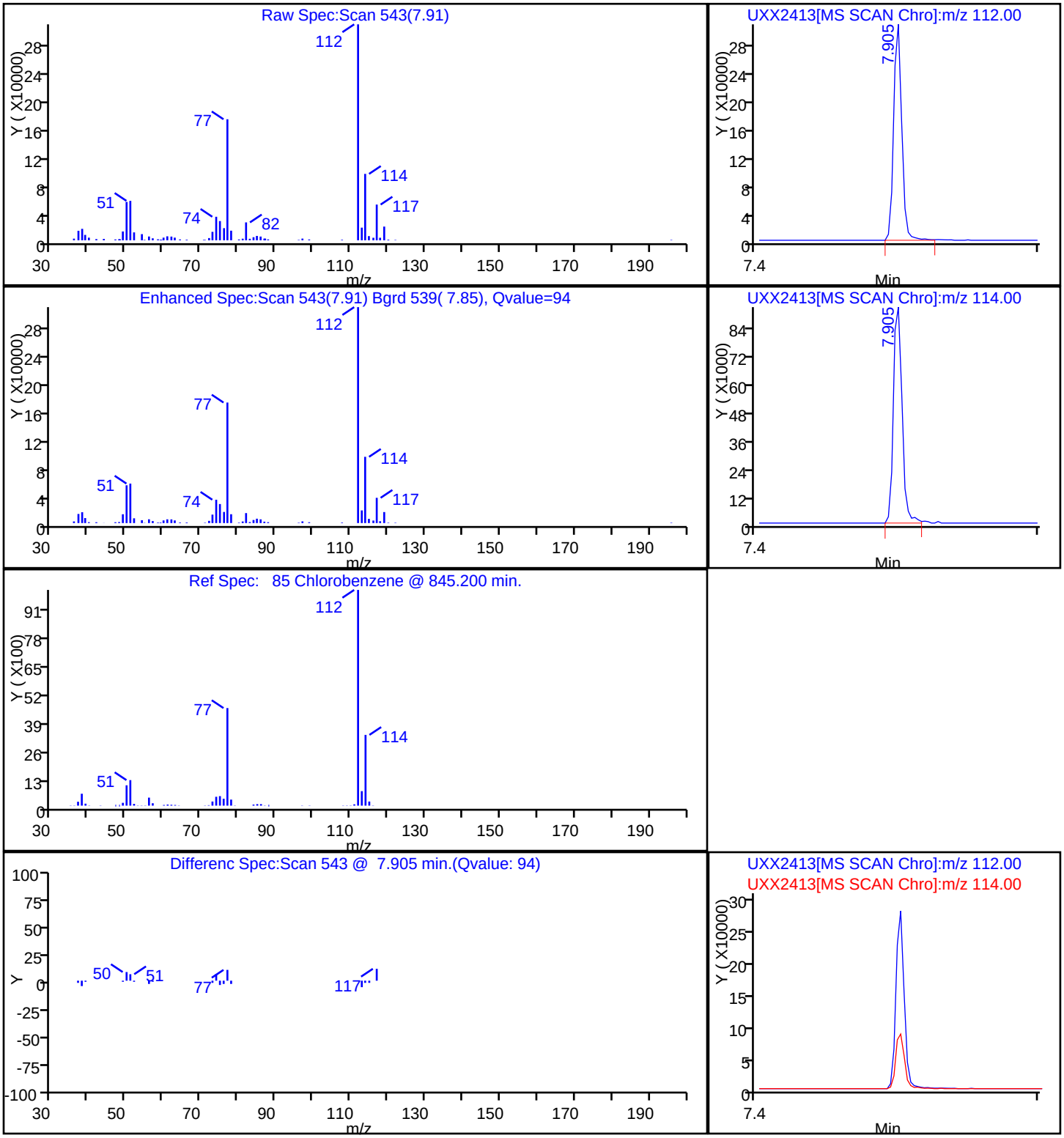
Report Date: 15-Feb-2013 08:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2413.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 21:43:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-10R | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 21 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

85 Chlorobenzene



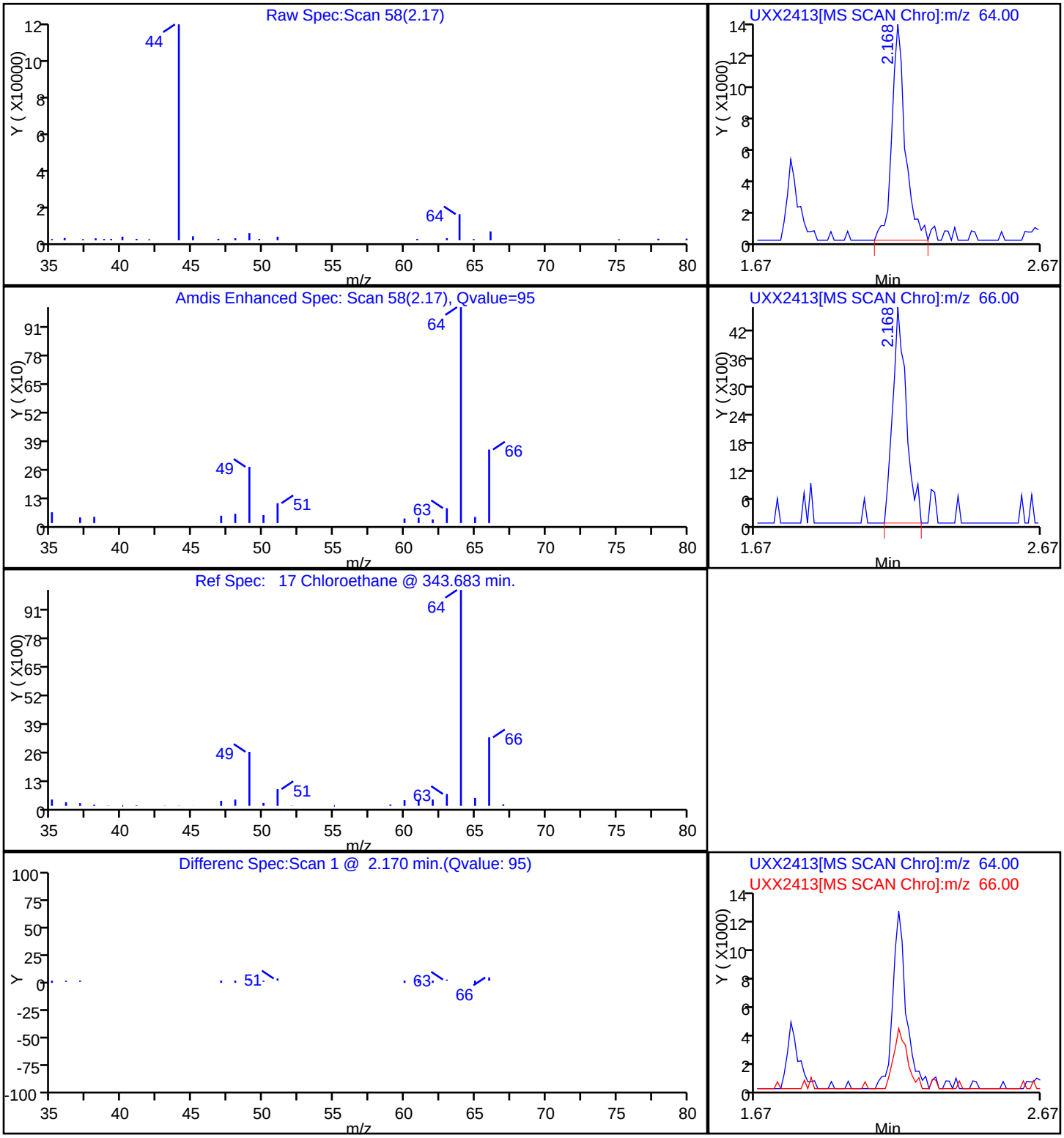
Report Date: 15-Feb-2013 08:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2413.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 21:43:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-10R | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 21 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

17 Chloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-22 | Lab Sample ID: 240-20928-3

Matrix: Water | Lab File ID: UXX2414.D

Analysis Method: 8260B | Date Collected: 02/08/2013 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 22:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 6.2 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.3 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-22 | Lab Sample ID: 240-20928-3

Matrix: Water | Lab File ID: UXX2414.D

Analysis Method: 8260B | Date Collected: 02/08/2013 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 22:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 84 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 84 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 81 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 88 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2414.D
Lims ID: 240-20928-B-3 Client ID: OW-22
Inject. Date: 14-Feb-2013 22:04:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017353-022
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 75367 Lims Sample ID: 22
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 08:07:47

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.199 | 5.208 | -0.009 | 99 | 1428934 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.872 | 7.881 | -0.009 | 85 | 1044743 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.120 | 10.117 | 0.003 | 94 | 548558 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.631 | 4.629 | 0.002 | 58 | 343801 | 8.79 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.915 | 4.913 | 0.002 | 0 | 433846 | 8.37 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.559 | 6.569 | -0.010 | 94 | 1198143 | 8.12 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.984 | 8.982 | 0.002 | 94 | 399126 | 8.37 | |
| 12 Dichlorodifluoromethane | 85 | 1.556 | 1.565 | -0.009 | 68 | 21733 | 0.5853 | |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | 1.793 | 1.790 | 0.003 | 62 | 21373 | 0.3955 | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.169 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | | 2.831 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | 9 |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | | 3.198 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | 9 |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.239 | | | | | 9 |
| 43 cis-1,2-Dichloroethene | 96 | 4.241 | 4.239 | 0.002 | 60 | 27238 | 0.6292 | |
| 50 Chloroform | 83 | | 4.499 | | | | | 9 |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | 4.738 | 4.735 | 0.003 | 74 | 21282 | 0.3697 | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.974 | 4.984 | -0.010 | 94 | 991881 | 6.18 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | | 5.516 | | | | | 9 |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | 9 |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | |
| 73 Toluene | 91 | 6.619 | 6.628 | -0.009 | 75 | 33617 | 0.1994 | |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.125 | | | | | 9 |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | 7.908 | 7.905 | 0.003 | 96 | 984527 | 9.30 | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | 9 |
| 88 m-Xylene & p-Xylene | 106 | 8.109 | 8.106 | 0.003 | 93 | 26813 | 0.3889 | |
| 89 o-Xylene | 106 | 8.476 | 8.485 | -0.009 | 76 | 10965 | 0.1676 | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | 9 |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | 9 |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | 10.144 | 10.141 | 0.003 | 76 | 76608 | 0.9616 | |
| 111 1,2-Dichlorobenzene | 146 | 10.510 | 10.508 | 0.002 | 89 | 36800 | 0.5335 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 0.5564 | |

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

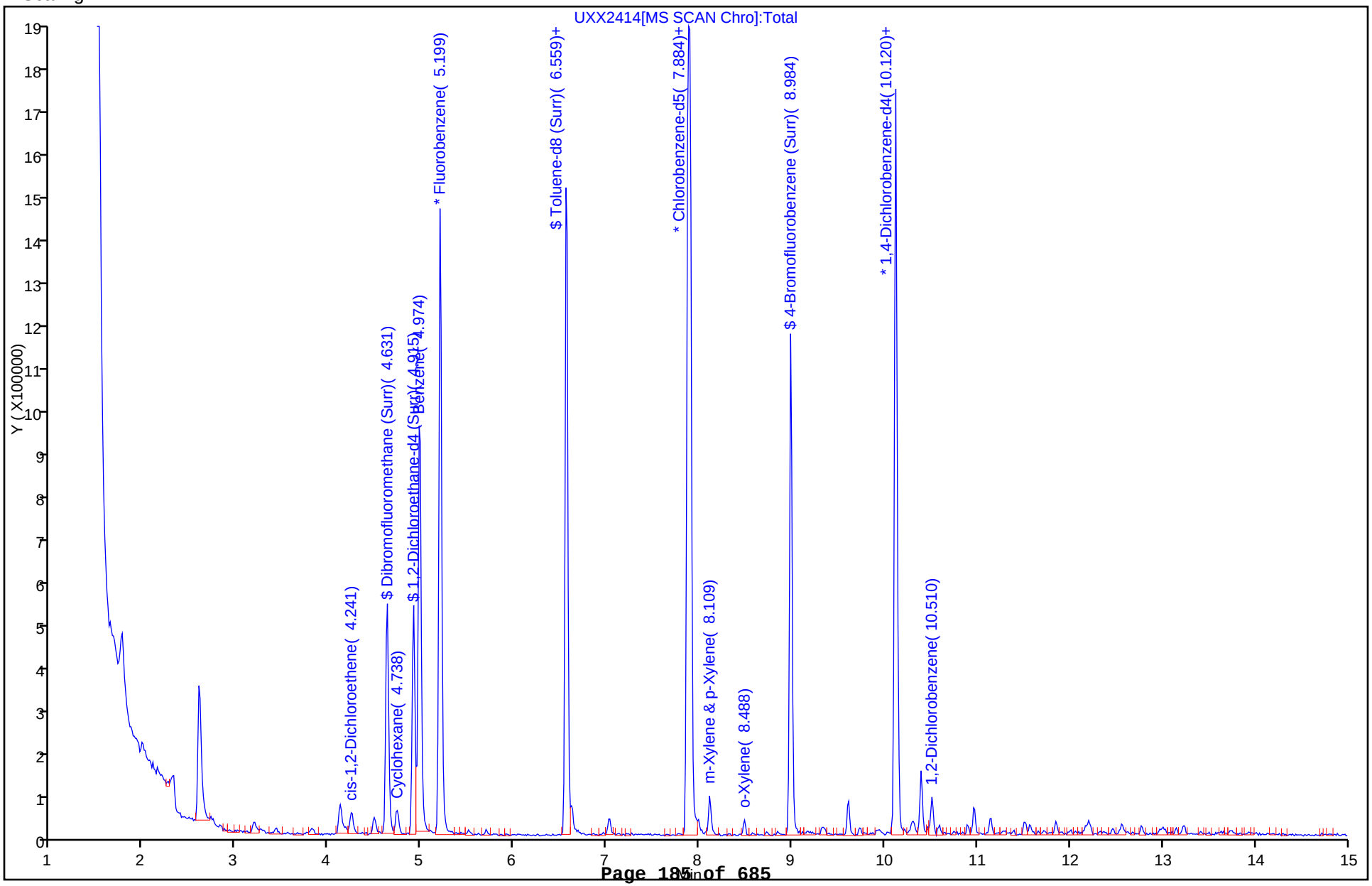
Report Date: 15-Feb-2013 08:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2414.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 22:04:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-22 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 22 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



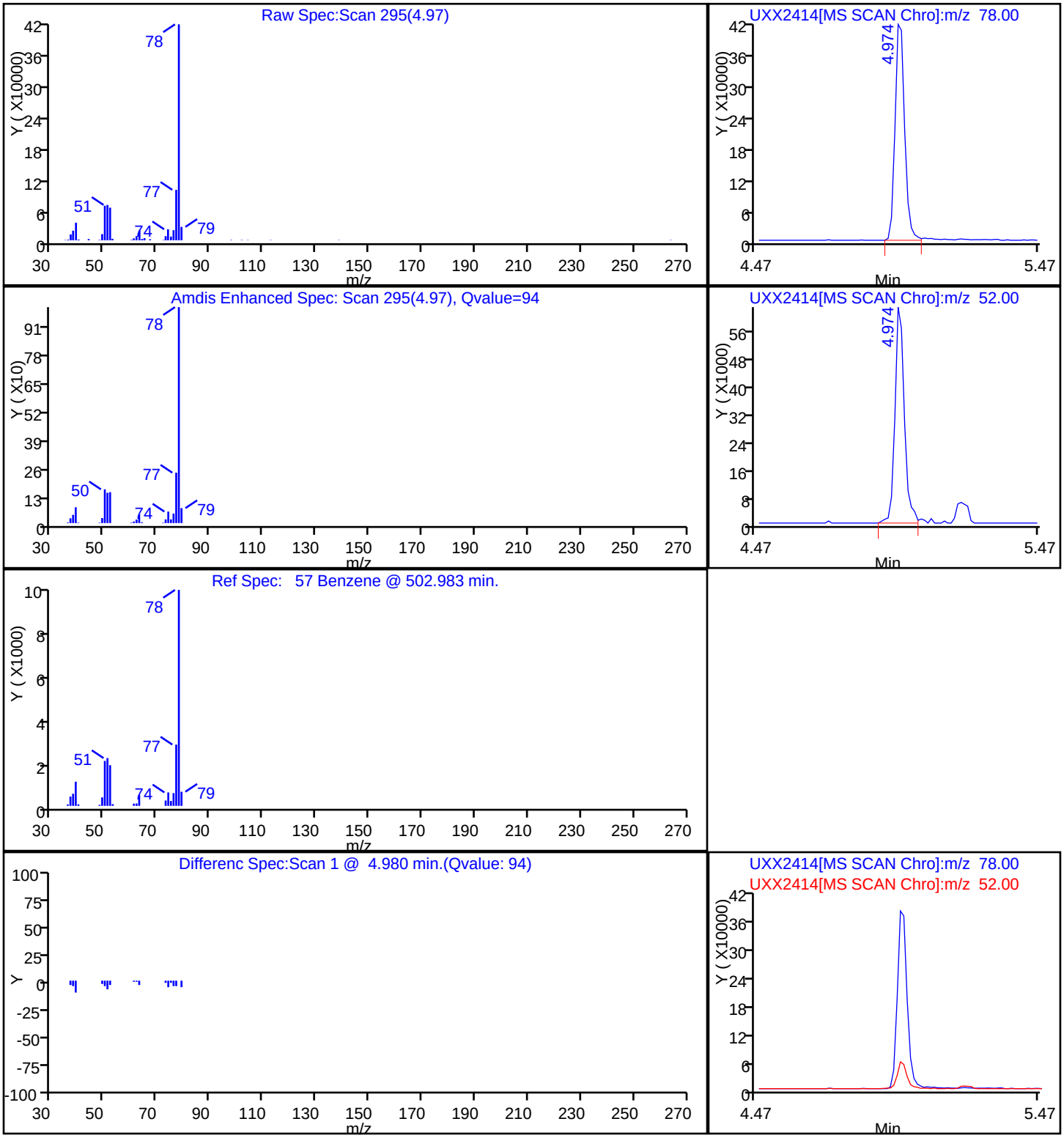
Report Date: 15-Feb-2013 08:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2414.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 22:04:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-22 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 22 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

57 Benzene



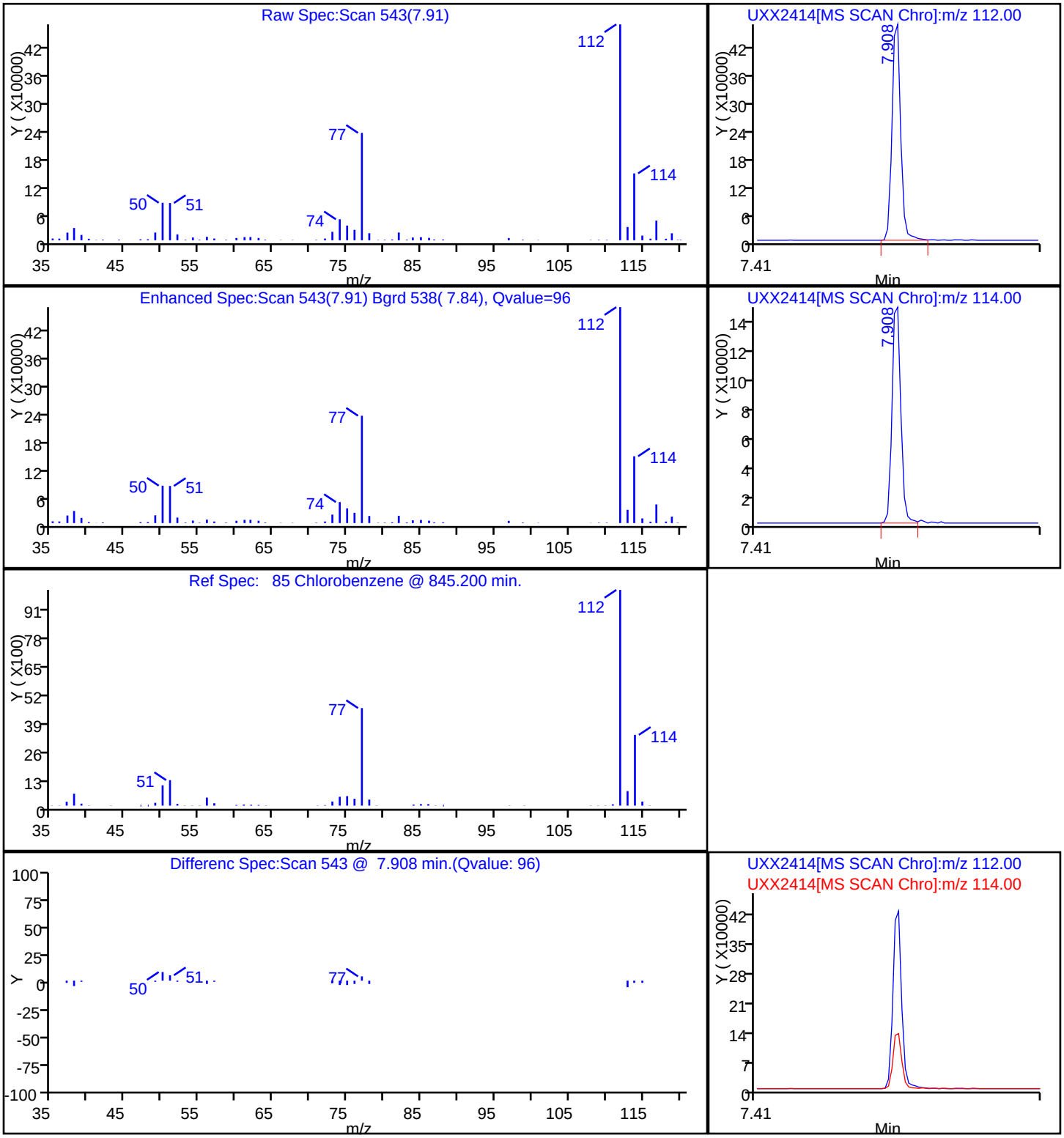
Report Date: 15-Feb-2013 08:17:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2414.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 22:04:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-22 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 22 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

85 Chlorobenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-21 | Lab Sample ID: 240-20928-4

Matrix: Water | Lab File ID: UXX2415.D

Analysis Method: 8260B | Date Collected: 02/08/2013 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 2.0 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-21 | Lab Sample ID: 240-20928-4

Matrix: Water | Lab File ID: UXX2415.D

Analysis Method: 8260B | Date Collected: 02/08/2013 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 84 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 80 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 81 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 92 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2415.D
Lims ID: 240-20928-B-4 Client ID: OW-21
Inject. Date: 14-Feb-2013 22:25:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017353-023
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 75367 Lims Sample ID: 23
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 08:08:20

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.198 | 5.208 | -0.010 | 99 | 1361983 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.872 | 7.881 | -0.009 | 87 | 1030175 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.119 | 10.117 | 0.002 | 94 | 564772 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.631 | 4.629 | 0.002 | 55 | 344027 | 9.23 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.915 | 4.913 | 0.002 | 0 | 417496 | 8.45 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.571 | 6.569 | 0.002 | 93 | 1183075 | 8.14 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.984 | 8.982 | 0.002 | 95 | 378158 | 8.05 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | 9 |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | 1.792 | 1.790 | 0.002 | 73 | 49829 | 0.9674 | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.169 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | | 2.831 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | 2.998 | 3.008 | -0.010 | 85 | 13646 | 0.1268 | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | 9 |
| 31 Methylene Chloride | 84 | | 3.198 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | 9 |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.239 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | 4.240 | 4.239 | 0.001 | 38 | 11318 | 0.2743 | |
| 50 Chloroform | 83 | | 4.499 | | | | | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.974 | 4.984 | -0.010 | 94 | 307265 | 2.01 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | 9 |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | 9 |
| 78 Tetrachloroethene | 164 | | 7.125 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | 7.907 | 7.905 | 0.002 | 40 | 17584 | 0.1685 | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | 9 |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | 9 |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | 9 |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | 9 |
| 111 1,2-Dichlorobenzene | 146 | | 10.508 | | | | | 9 |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

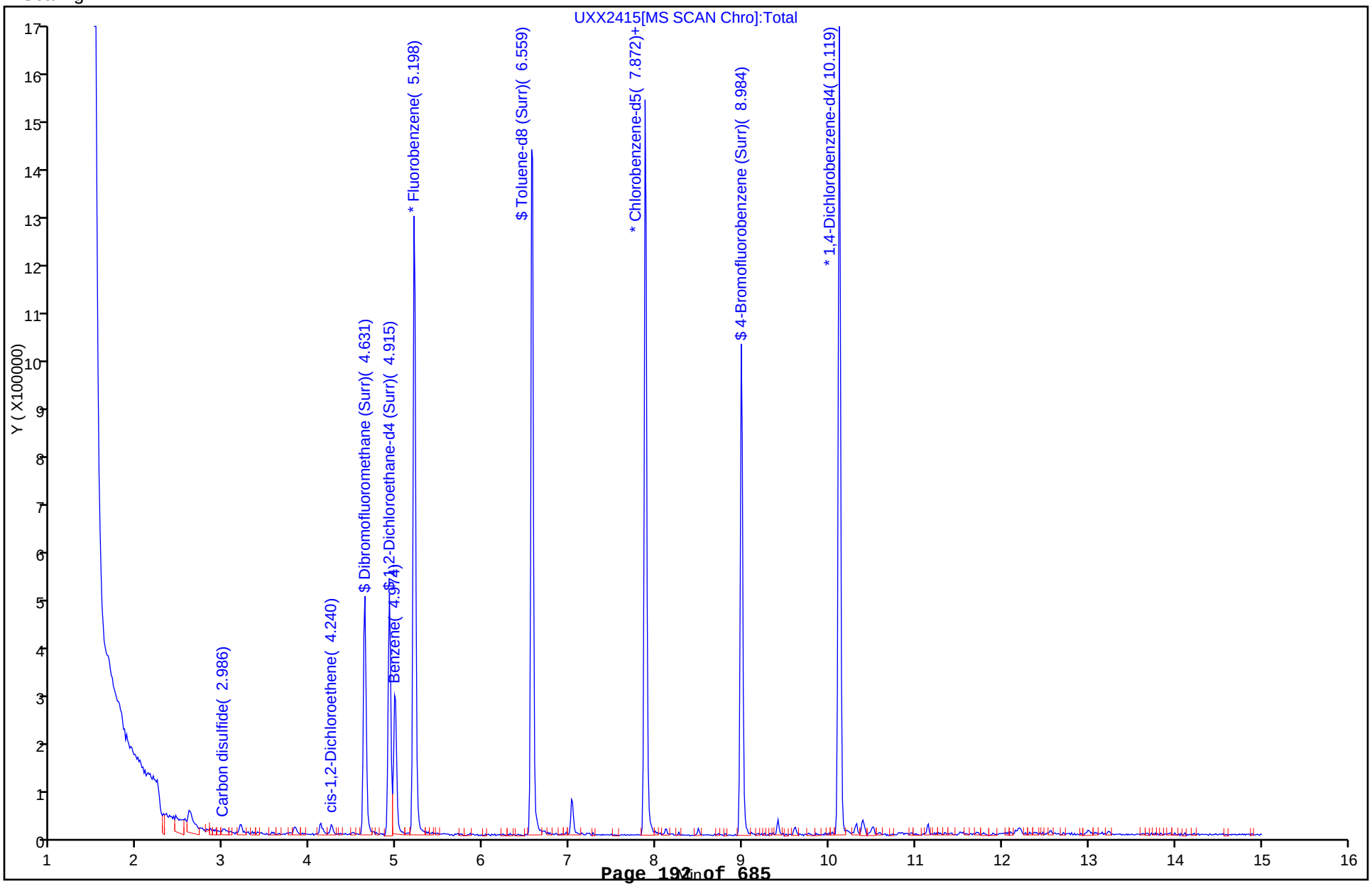
Report Date: 15-Feb-2013 08:17:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2415.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 22:25:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-21 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 23 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



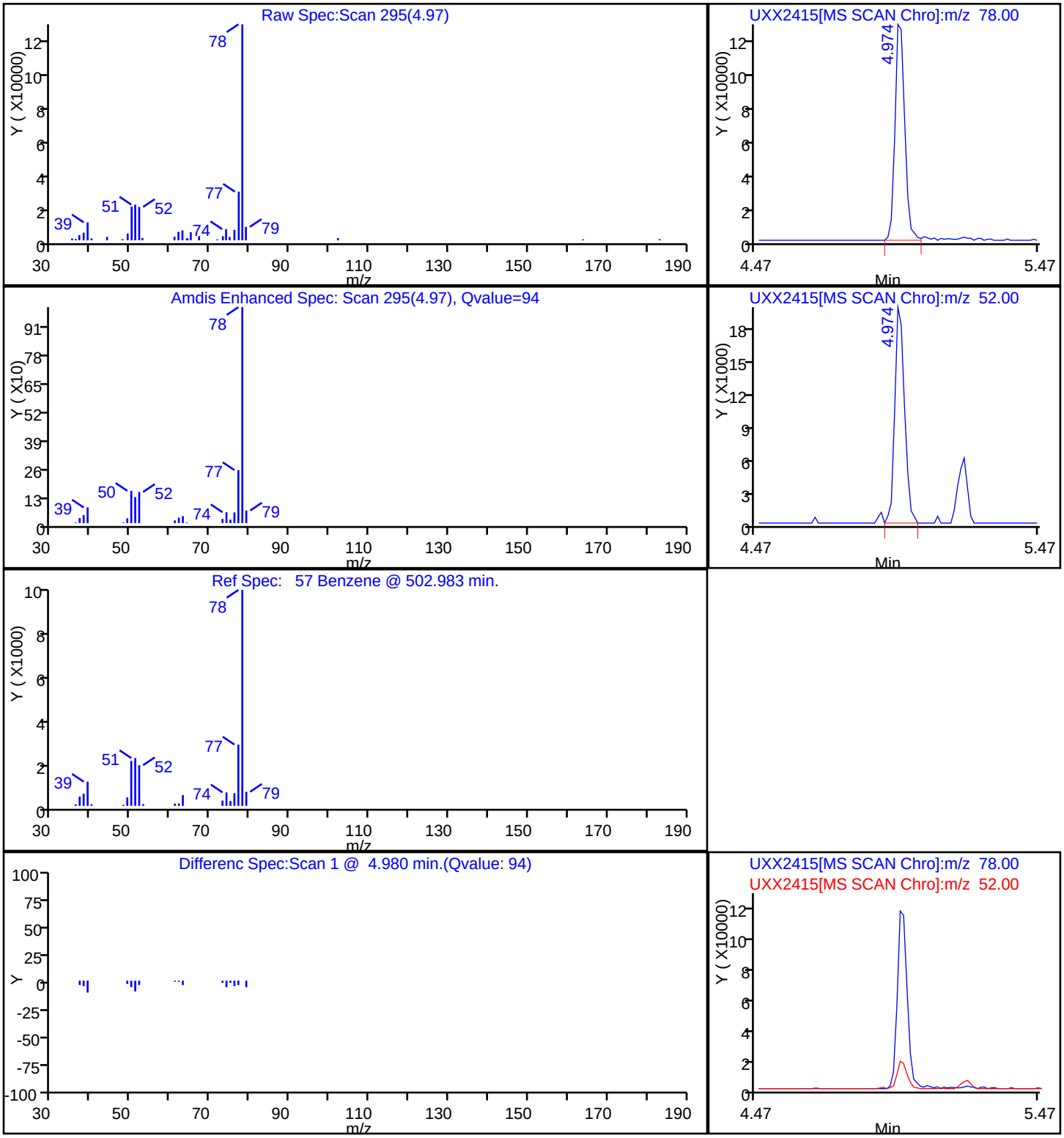
Report Date: 15-Feb-2013 08:17:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2415.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 22:25:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-21 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 23 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

57 Benzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 240-20928-5

Matrix: Water | Lab File ID: UXX2416.D

Analysis Method: 8260B | Date Collected: 02/08/2013 13:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 22:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 1.2 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 240-20928-5

Matrix: Water | Lab File ID: UXX2416.D

Analysis Method: 8260B | Date Collected: 02/08/2013 13:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 22:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 82 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 83 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 91 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2416.D
Lims ID: 240-20928-A-5 Client ID: MW-4
Inject. Date: 14-Feb-2013 22:46:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017353-024
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 75367 Lims Sample ID: 24
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 08:08:50

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.208 | -0.001 | 99 | 1322998 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.881 | 0.0 | 83 | 1025089 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.116 | 10.117 | -0.001 | 94 | 578214 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.629 | -0.001 | 60 | 330908 | 9.14 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 432247 | 9.00 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 93 | 1197268 | 8.27 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.982 | -0.001 | 95 | 382158 | 8.17 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | 9 |
| 13 Chloromethane | 50 | | 1.695 | | | | | |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | 9 |
| 17 Chloroethane | 64 | | 2.169 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | | 2.831 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | 3.019 | 3.008 | 0.011 | 82 | 20074 | 0.1920 | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | | 3.198 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.239 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | 4.237 | 4.239 | -0.002 | 35 | 5432 | 0.1355 | |
| 50 Chloroform | 83 | | 4.499 | | | | | 9 |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.983 | 4.984 | -0.001 | 95 | 177759 | 1.20 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | 5.527 | 5.516 | 0.011 | 63 | 8684 | 0.2198 | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | 9 |
| 78 Tetrachloroethene | 164 | 7.124 | 7.125 | -0.001 | 86 | 10571 | 0.2988 | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | 9 |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | 9 |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | 9 |
| 111 1,2-Dichlorobenzene | 146 | 10.518 | 10.508 | 0.010 | 56 | 14661 | 0.2016 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

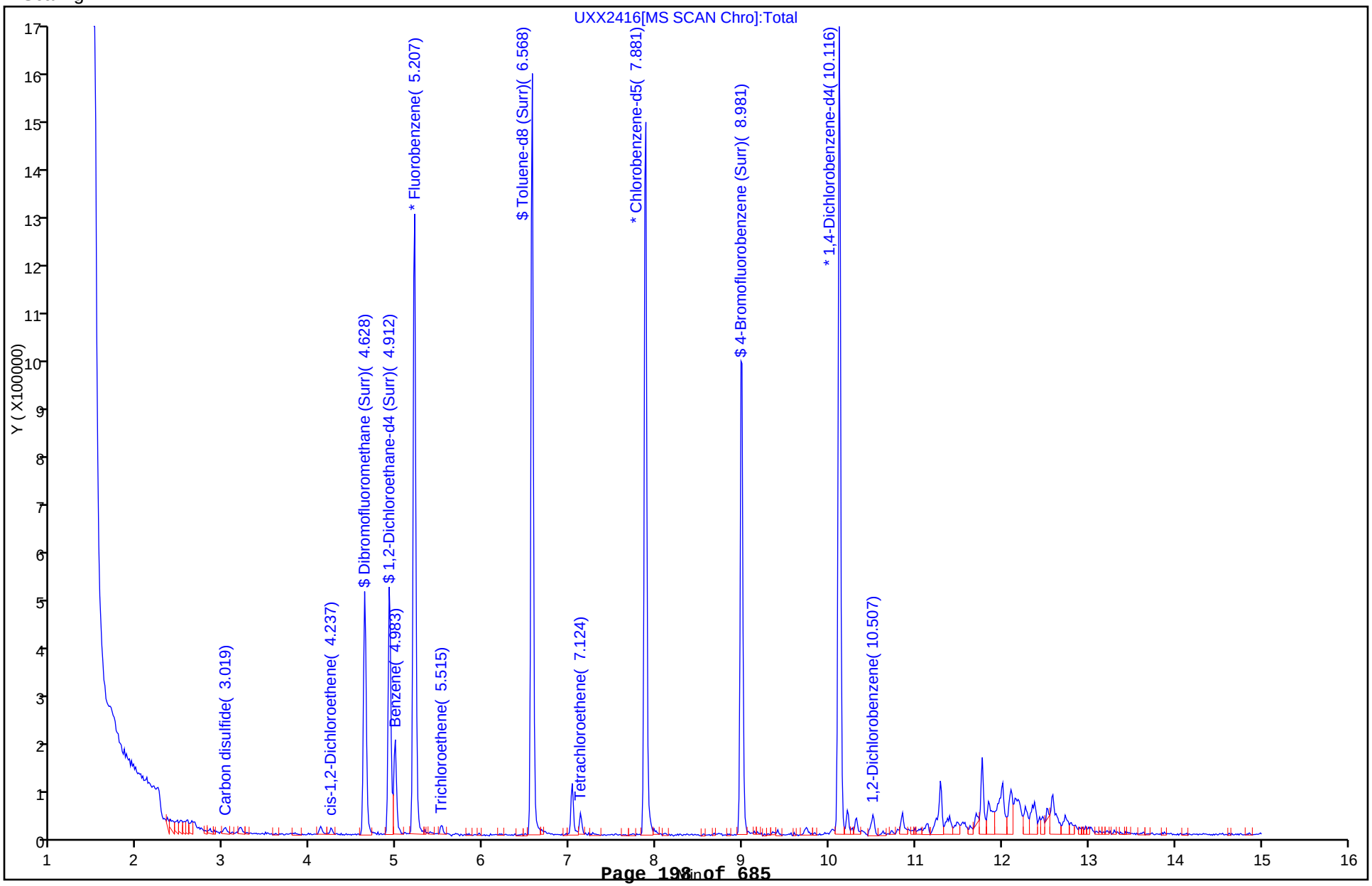
Report Date: 15-Feb-2013 08:17:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2416.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 22:46:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | MW-4 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 24 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



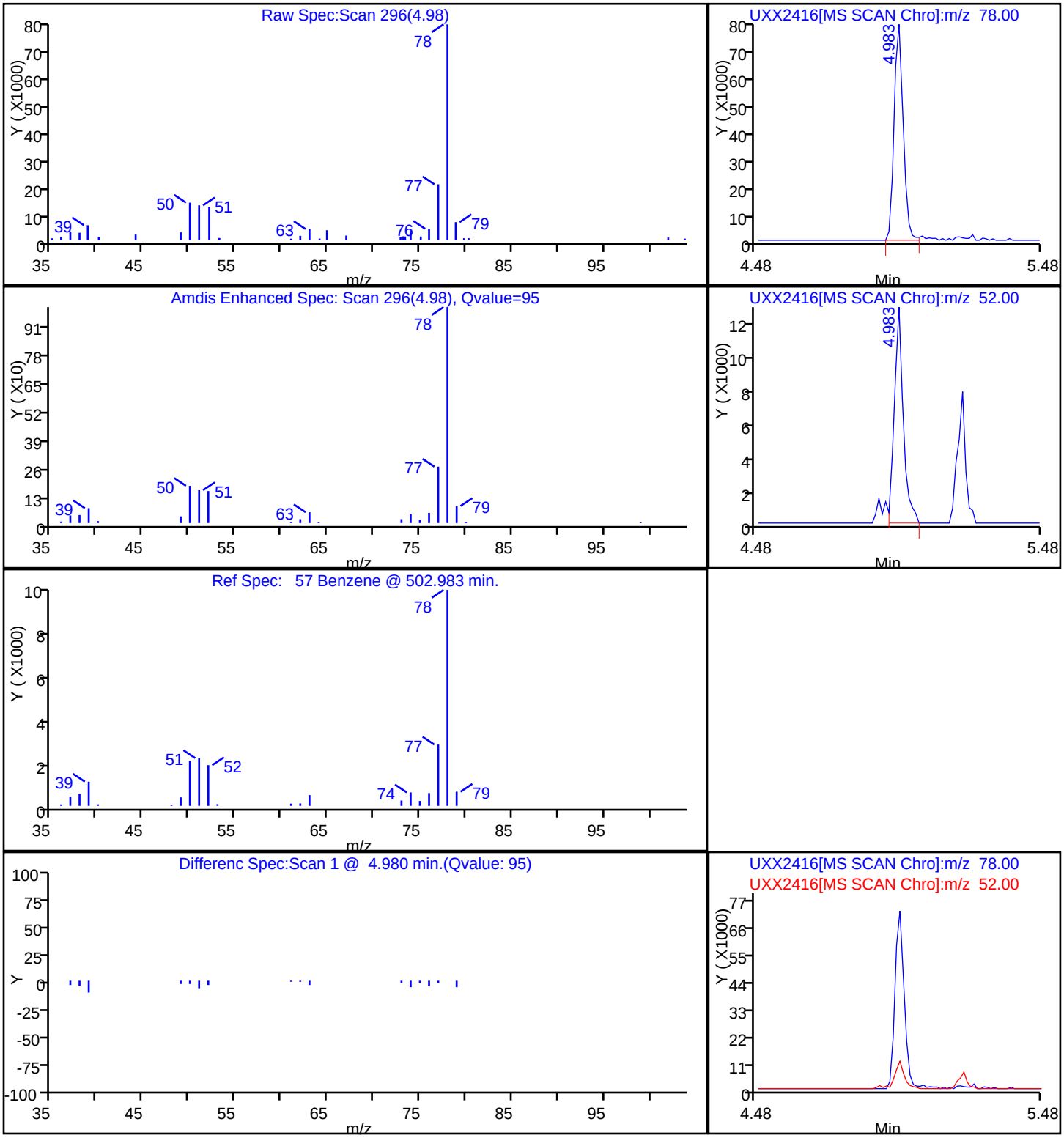
Report Date: 15-Feb-2013 08:17:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2416.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 22:46:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | MW-4 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 24 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

57 Benzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: TRIP BLANK 2 | Lab Sample ID: 240-20928-6

Matrix: Water | Lab File ID: UXX2417.D

Analysis Method: 8260B | Date Collected: 02/07/2013 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 23:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: TRIP BLANK 2 | Lab Sample ID: 240-20928-6

Matrix: Water | Lab File ID: UXX2417.D

Analysis Method: 8260B | Date Collected: 02/07/2013 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 23:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 80 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 82 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2417.D
Lims ID: 240-20928-A-6 Client ID: TRIP BLANK 2
Inject. Date: 14-Feb-2013 23:08:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017353-025
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 75367 Lims Sample ID: 25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.197 | 5.208 | -0.011 | 99 | 1356943 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.882 | 7.881 | 0.001 | 83 | 1037802 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.118 | 10.117 | 0.001 | 94 | 540497 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.630 | 4.629 | 0.001 | 60 | 348423 | 9.38 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.913 | 4.913 | 0.0 | 0 | 434071 | 8.81 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.569 | 6.569 | 0.0 | 94 | 1197187 | 8.17 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.982 | 8.982 | 0.0 | 95 | 376962 | 7.96 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.169 | | | | | |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | 2.820 | 2.831 | -0.011 | 90 | 63243 | 6.17 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | 9 |
| 31 Methylene Chloride | 84 | 3.198 | 3.198 | 0.0 | 91 | 55893 | 0.6775 | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 42 2-Butanone (MEK) | 43 | 4.251 | 4.239 | 0.012 | 54 | 4028 | 0.3195 | |
| 43 cis-1,2-Dichloroethene | 96 | | 4.239 | | | | | |
| 50 Chloroform | 83 | | 4.499 | | | | | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | 9 |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | 9 |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.125 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | |
| 111 1,2-Dichlorobenzene | 146 | | 10.508 | | | | | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

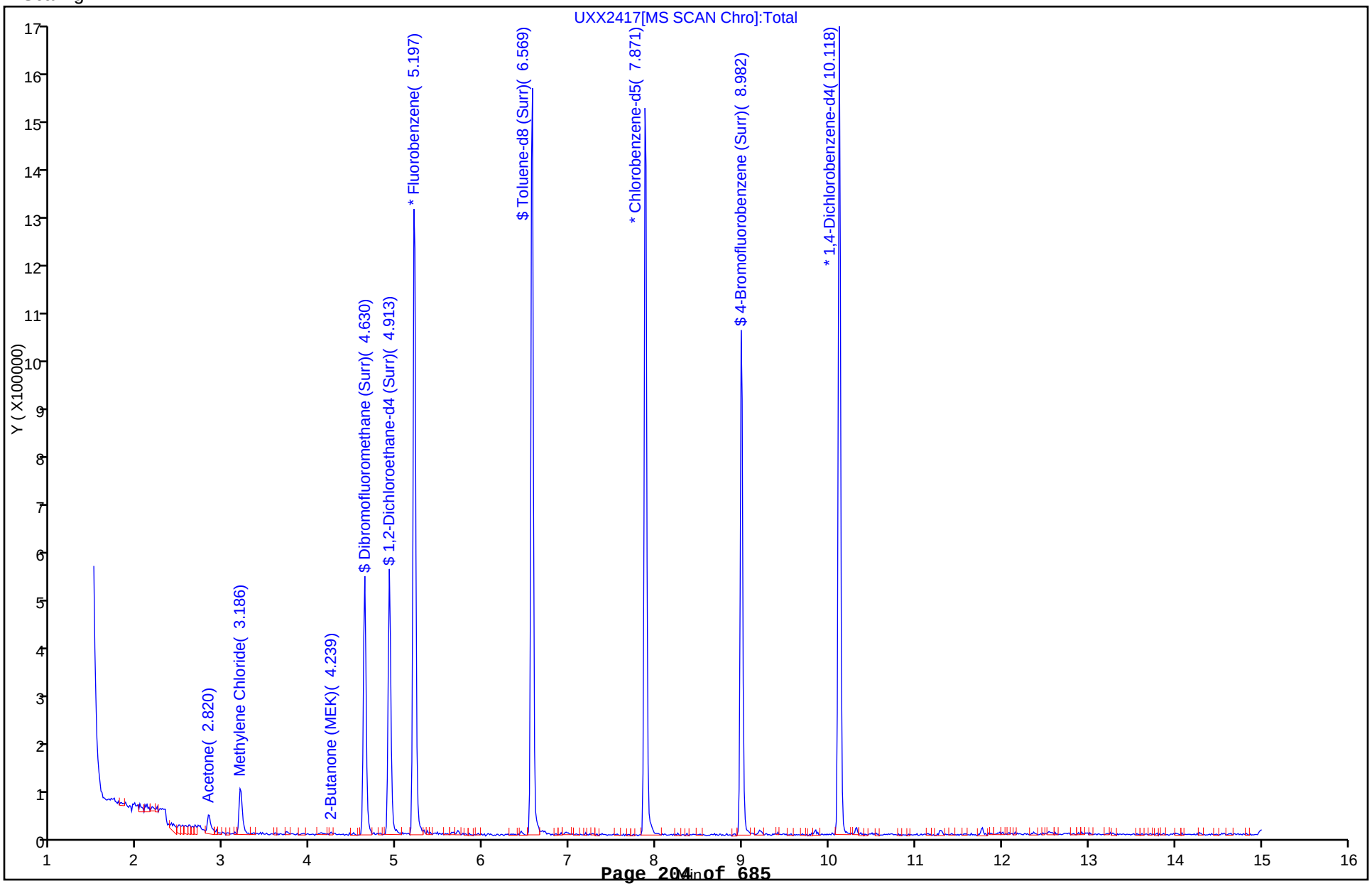
Report Date: 15-Feb-2013 08:17:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2417.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 23:08:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | TRIP BLANK 2 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 25 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: FIELD BLANK 2 | Lab Sample ID: 240-20928-7

Matrix: Water | Lab File ID: UXX2418.D

Analysis Method: 8260B | Date Collected: 02/07/2013 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 23:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: FIELD BLANK 2 | Lab Sample ID: 240-20928-7

Matrix: Water | Lab File ID: UXX2418.D

Analysis Method: 8260B | Date Collected: 02/07/2013 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 23:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 83 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 85 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 84 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 89 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2418.D
Lims ID: 240-20928-B-7 Client ID: FIELD BLANK 2
Inject. Date: 14-Feb-2013 23:29:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017353-026
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 75367 Lims Sample ID: 26
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.208 | 5.208 | 0.0 | 99 | 1407412 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.881 | 0.0 | 85 | 1050312 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 94 | 554072 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.629 | -0.001 | 62 | 343398 | 8.92 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 425703 | 8.33 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 93 | 1248034 | 8.42 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.982 | -0.001 | 94 | 405615 | 8.47 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | 9 |
| 17 Chloroethane | 64 | | 2.169 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | 2.830 | 2.831 | -0.001 | 82 | 20629 | 1.94 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | 3.197 | 3.198 | -0.001 | 88 | 37172 | 0.1729 | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 42 2-Butanone (MEK) | 43 | | 4.239 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | | 4.239 | | | | | |
| 50 Chloroform | 83 | 4.498 | 4.499 | -0.001 | 70 | 47786 | 0.6703 | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | 9 |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.125 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | 9 |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | |
| 111 1,2-Dichlorobenzene | 146 | | 10.508 | | | | | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

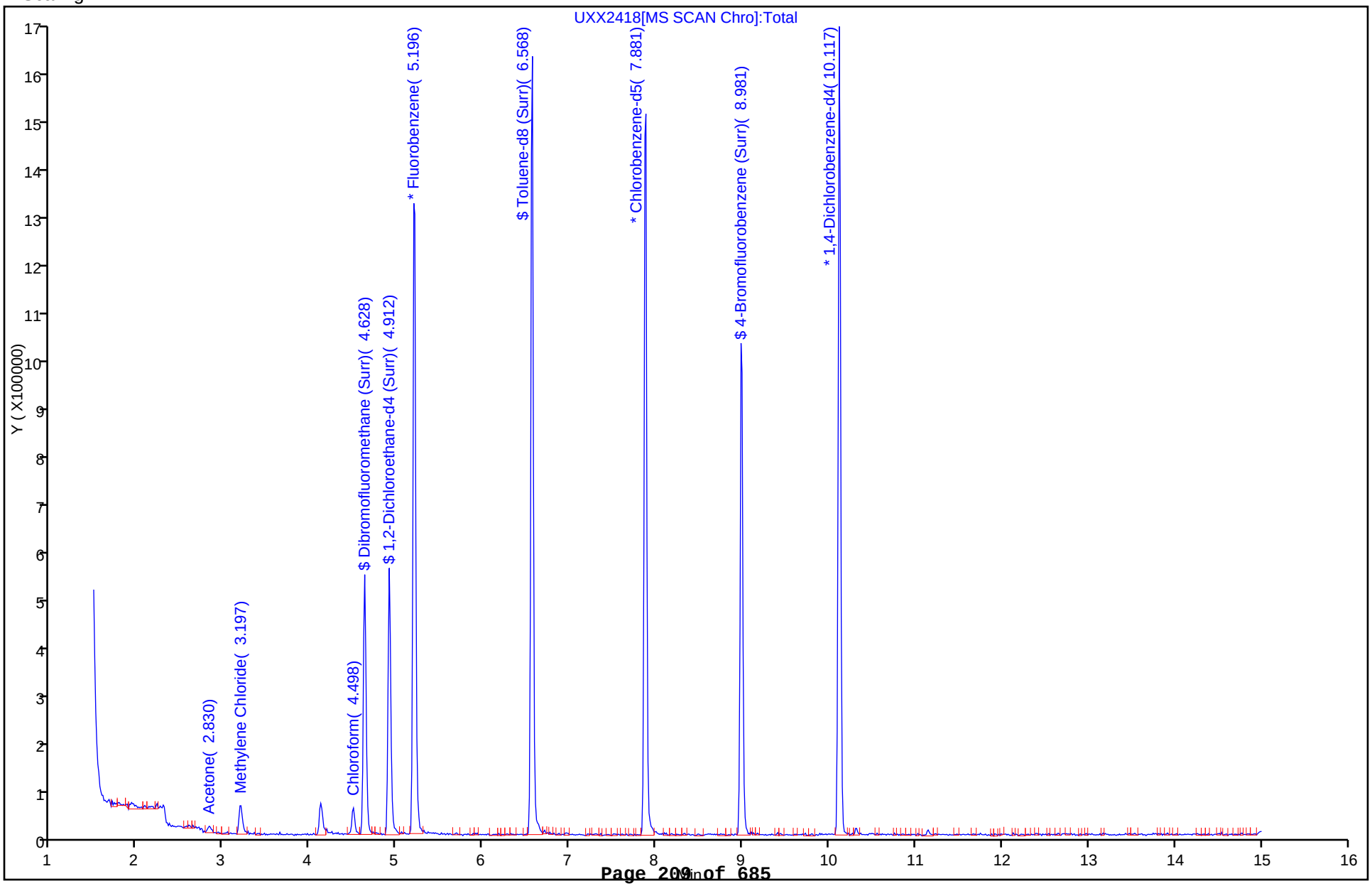
Report Date: 15-Feb-2013 08:17:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2418.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 23:29:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | FIELD BLANK 2 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 26 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-18 | Lab Sample ID: 240-20928-8

Matrix: Water | Lab File ID: UXX2435.D

Analysis Method: 8260B | Date Collected: 02/07/2013 08:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 15:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 5.1 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 11 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 1.1 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-18 | Lab Sample ID: 240-20928-8

Matrix: Water | Lab File ID: UXX2435.D

Analysis Method: 8260B | Date Collected: 02/07/2013 08:55

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 15:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 1.4 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 78 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 86 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 86 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2435.D
Lims ID: 240-20928-B-8 Client ID: OW-18
Inject. Date: 15-Feb-2013 15:22:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017373-016
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 15
Lims Batch ID: 75453 Lims Sample ID: 16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 18-Feb-2013 07:04:06

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.195 | 0.012 | 100 | 1634413 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.880 | 7.880 | 0.0 | 84 | 1076870 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.116 | 10.116 | 0.0 | 95 | 580553 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.627 | 4.629 | -0.002 | 63 | 386709 | 8.65 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.911 | 4.913 | -0.002 | 0 | 460551 | 7.76 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.567 | 6.569 | -0.002 | 93 | 1319561 | 8.68 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.980 | 8.982 | -0.002 | 94 | 420934 | 8.57 | |
| 12 Dichlorodifluoromethane | 85 | 1.564 | 1.565 | -0.001 | 29 | 22257 | 0.5240 | |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | 1.788 | 1.790 | -0.002 | 55 | 67436 | 1.09 | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | 2.167 | 2.168 | -0.001 | 76 | 32575 | 0.8095 | |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | 9 |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | 2.829 | 2.819 | 0.010 | 50 | 12098 | 0.9795 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | 9 |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | | 3.186 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | 9 |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | 9 |
| 43 cis-1,2-Dichloroethene | 96 | 4.249 | 4.238 | 0.011 | 55 | 17964 | 0.3628 | |
| 50 Chloroform | 83 | | 4.499 | | | | | 9 |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | 9 |
| 52 Cyclohexane | 56 | 4.734 | 4.735 | -0.001 | 83 | 29762 | 0.4520 | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.982 | 4.984 | -0.002 | 94 | 931576 | 5.07 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | | 5.516 | | | | | 9 |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | 9 |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | 9 |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | |
| 73 Toluene | 91 | 6.626 | 6.628 | -0.002 | 92 | 72538 | 0.4175 | |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | 9 |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | 7.904 | 7.905 | -0.001 | 96 | 1213381 | 11.1 | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | 9 |
| 88 m-Xylene & p-Xylene | 106 | 8.117 | 8.106 | 0.011 | 89 | 15301 | 0.2153 | |
| 89 o-Xylene | 106 | 8.483 | 8.485 | -0.002 | 74 | 12885 | 0.1910 | |
| 90 Styrene | 104 | | 8.497 | | | | | 9 |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | 9 |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | 10.139 | 10.141 | -0.002 | 78 | 115885 | 1.37 | |
| 111 1,2-Dichlorobenzene | 146 | 10.518 | 10.519 | -0.001 | 53 | 11800 | 0.1616 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.276 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 0.4063 | |

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

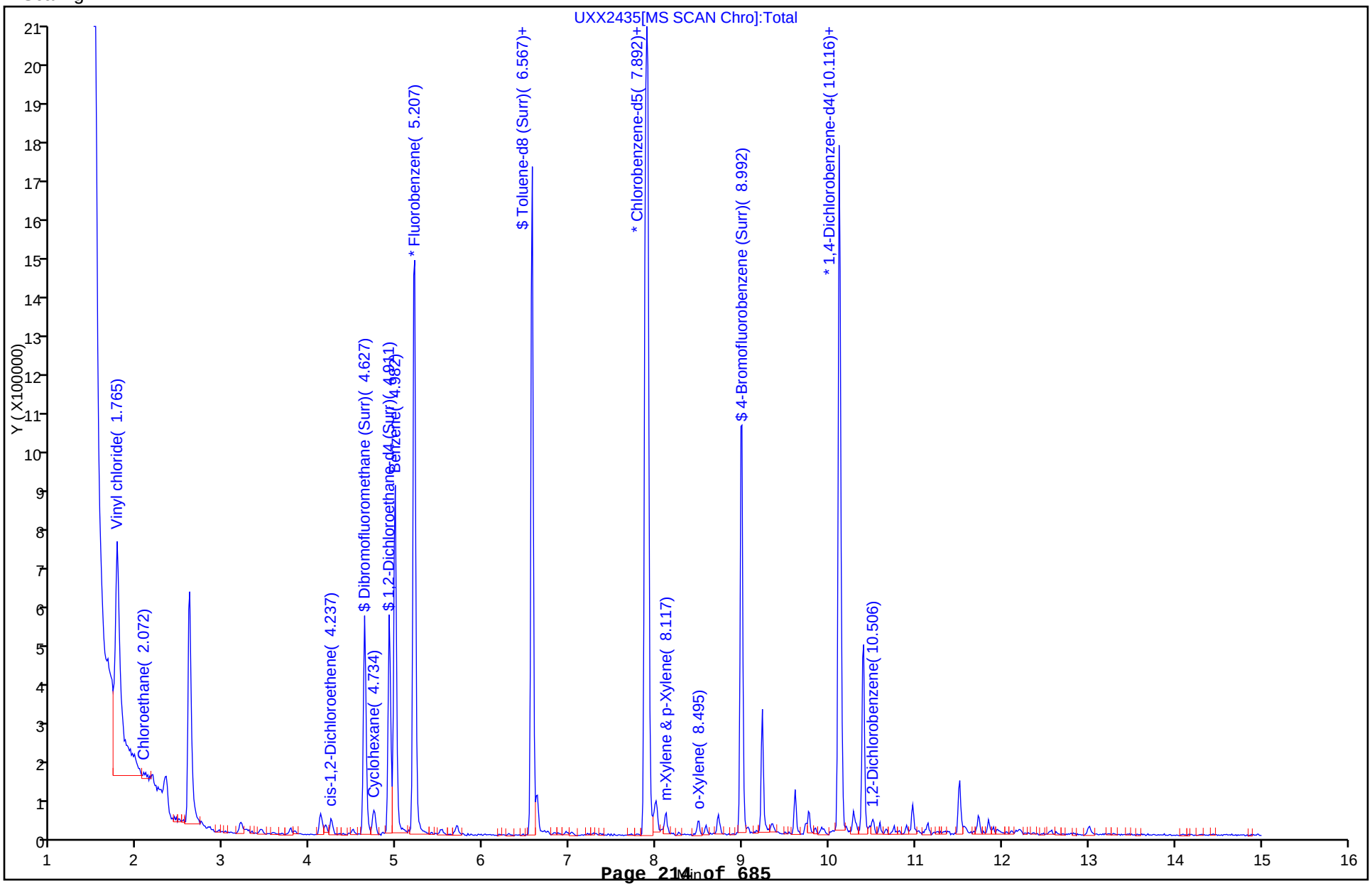
Report Date: 18-Feb-2013 07:10:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2435.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 15:22:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-18 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 16 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



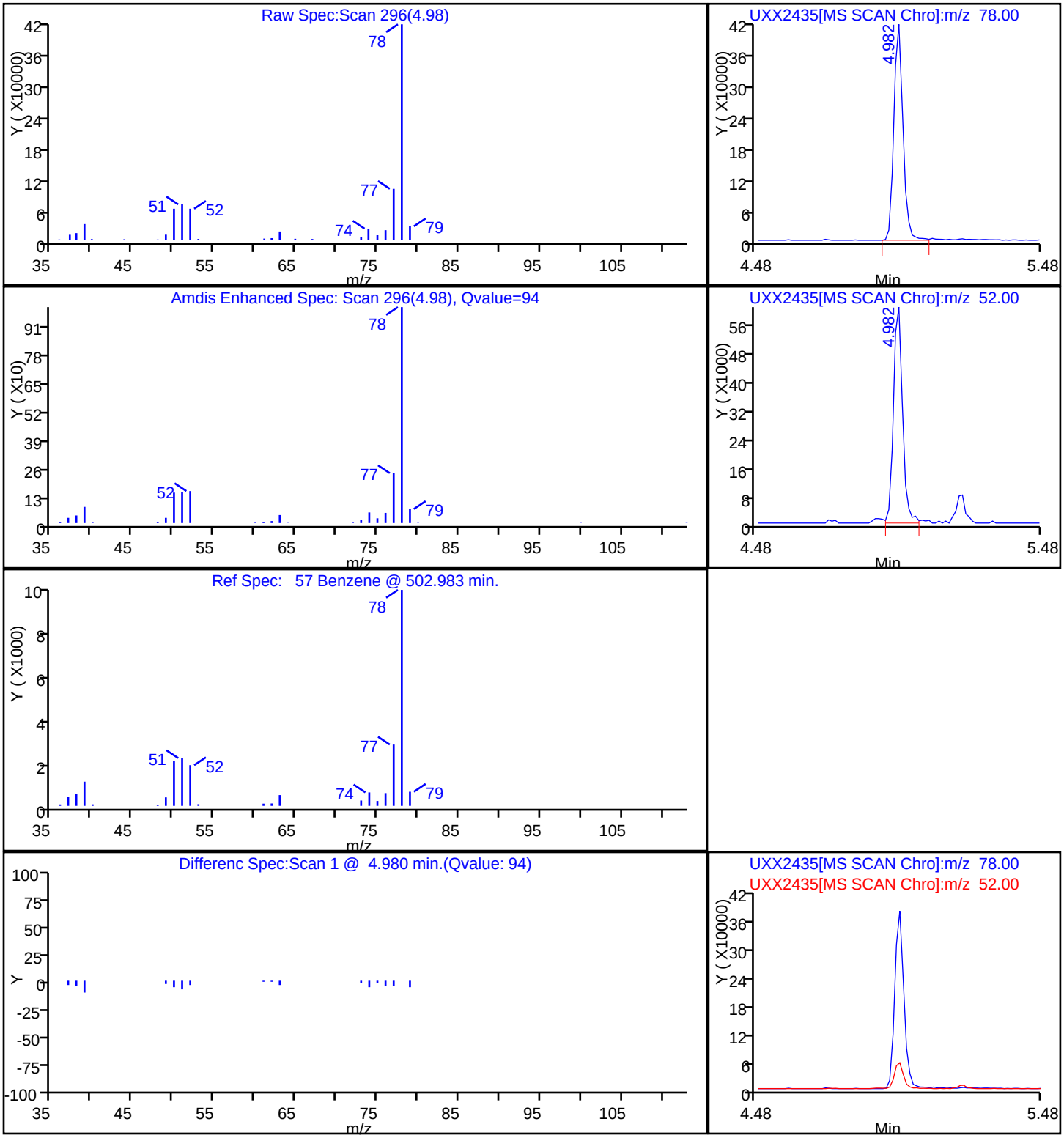
Report Date: 18-Feb-2013 07:10:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2435.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 15:22:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-18 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 16 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

57 Benzene



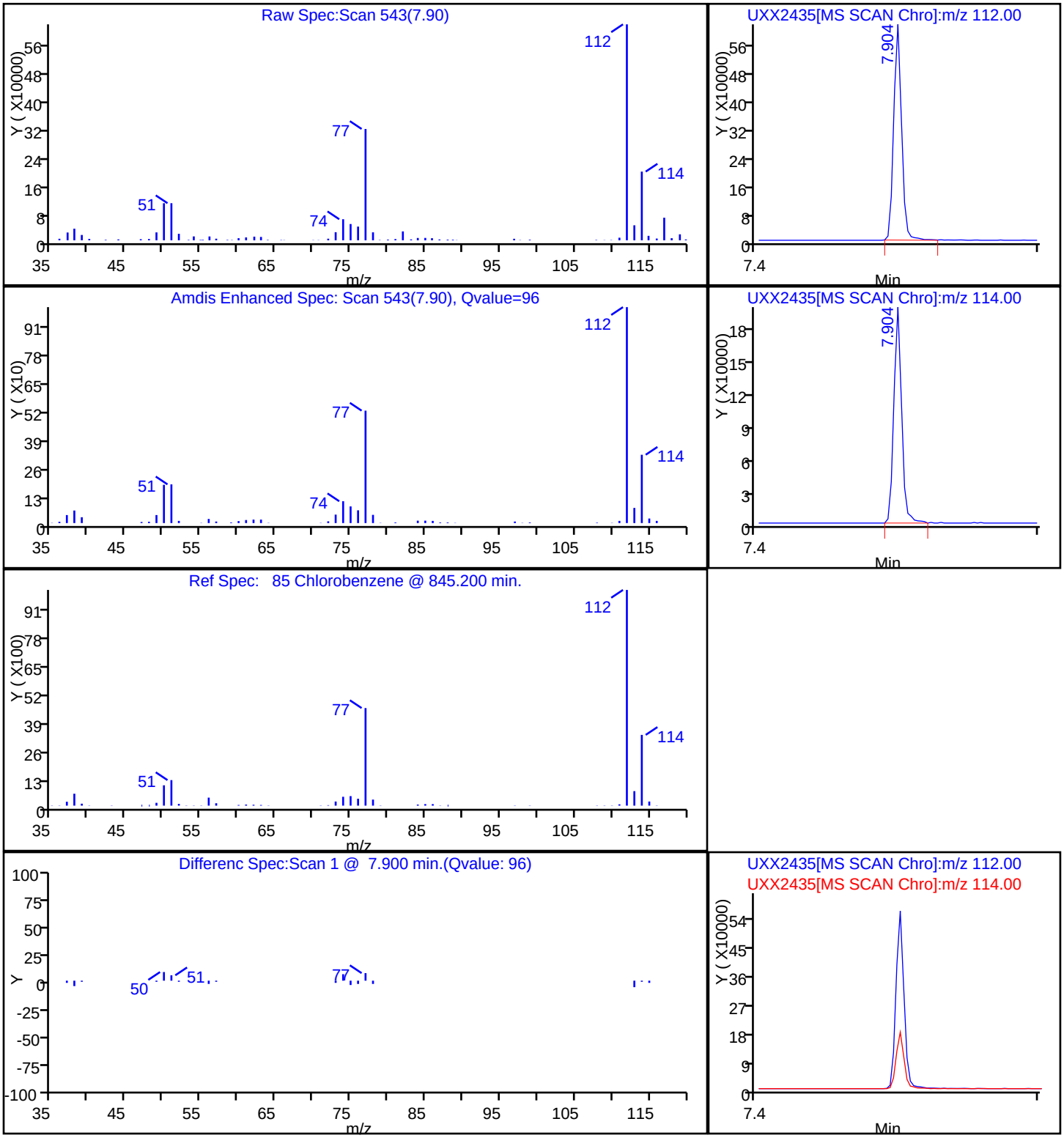
Report Date: 18-Feb-2013 07:10:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2435.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 15:22:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-18 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 16 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

85 Chlorobenzene



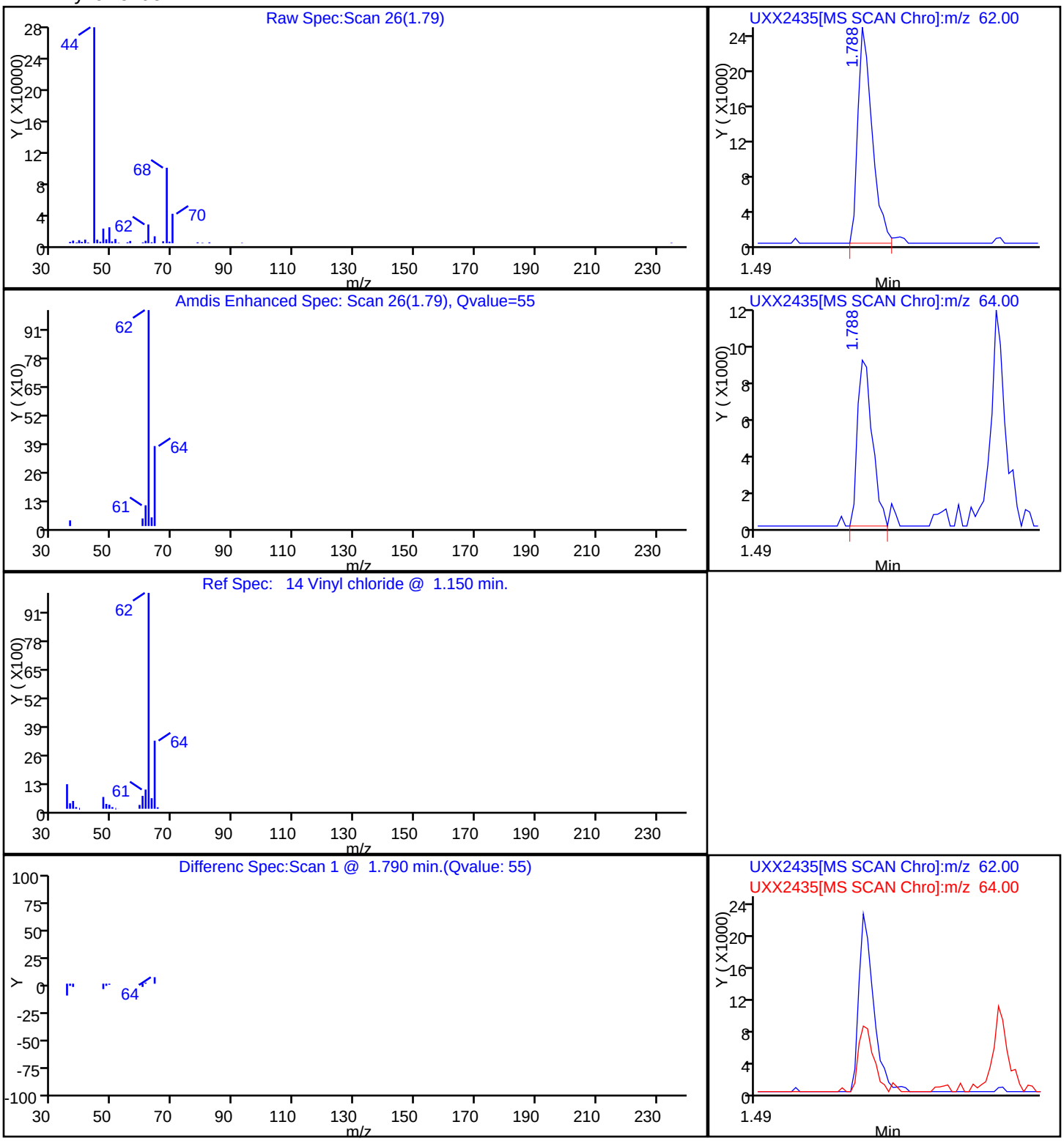
Report Date: 18-Feb-2013 07:10:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2435.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 15:22:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-18 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 16 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

14 Vinyl chloride



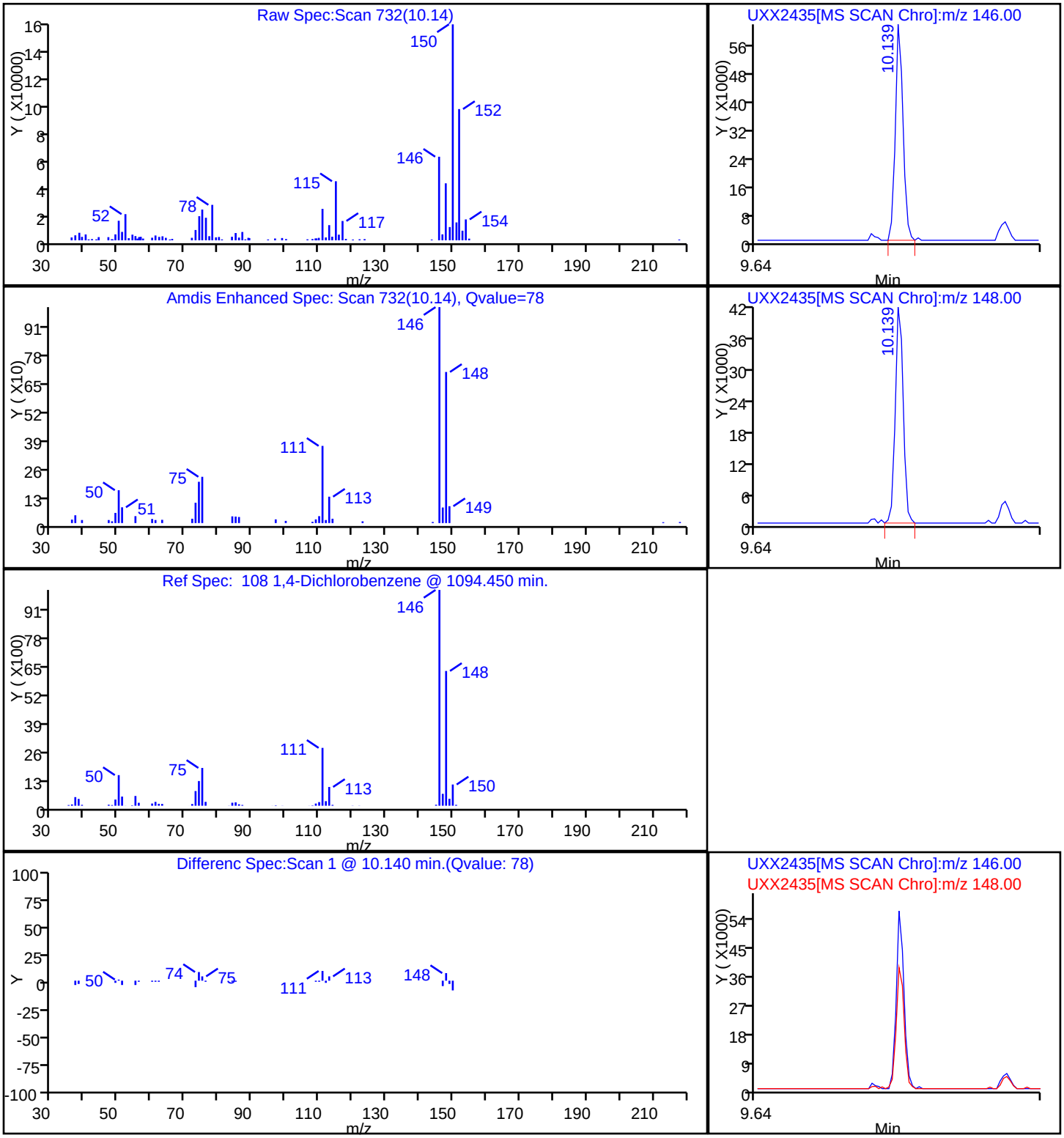
Report Date: 18-Feb-2013 07:10:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2435.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 15:22:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-18 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 16 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

108 1,4-Dichlorobenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-24 | Lab Sample ID: 240-20928-9

Matrix: Water | Lab File ID: UXX2436.D

Analysis Method: 8260B | Date Collected: 02/07/2013 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 15:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-24 | Lab Sample ID: 240-20928-9

Matrix: Water | Lab File ID: UXX2436.D

Analysis Method: 8260B | Date Collected: 02/07/2013 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 15:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 81 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 77 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 86 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2436.D
Lims ID: 240-20928-A-9 Client ID: OW-24
Inject. Date: 15-Feb-2013 15:44:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017373-017
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 16
Lims Batch ID: 75453 Lims Sample ID: 17
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.196 | 5.195 | 0.001 | 99 | 1598849 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.869 | 7.880 | -0.011 | 86 | 1098084 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.116 | 0.001 | 94 | 531680 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.629 | -0.001 | 58 | 375472 | 8.58 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 467881 | 8.06 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 93 | 1349800 | 8.71 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.982 | -0.001 | 95 | 388134 | 7.75 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.168 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | 9 |
| 24 Acetone | 43 | 2.830 | 2.819 | 0.011 | 83 | 8217 | 0.6801 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | 9 |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | | 3.186 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | 9 |
| 43 cis-1,2-Dichloroethene | 96 | | 4.238 | | | | | |
| 50 Chloroform | 83 | | 4.499 | | | | | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | 9 |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | 9 |
| 111 1,2-Dichlorobenzene | 146 | | 10.519 | | | | | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.276 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

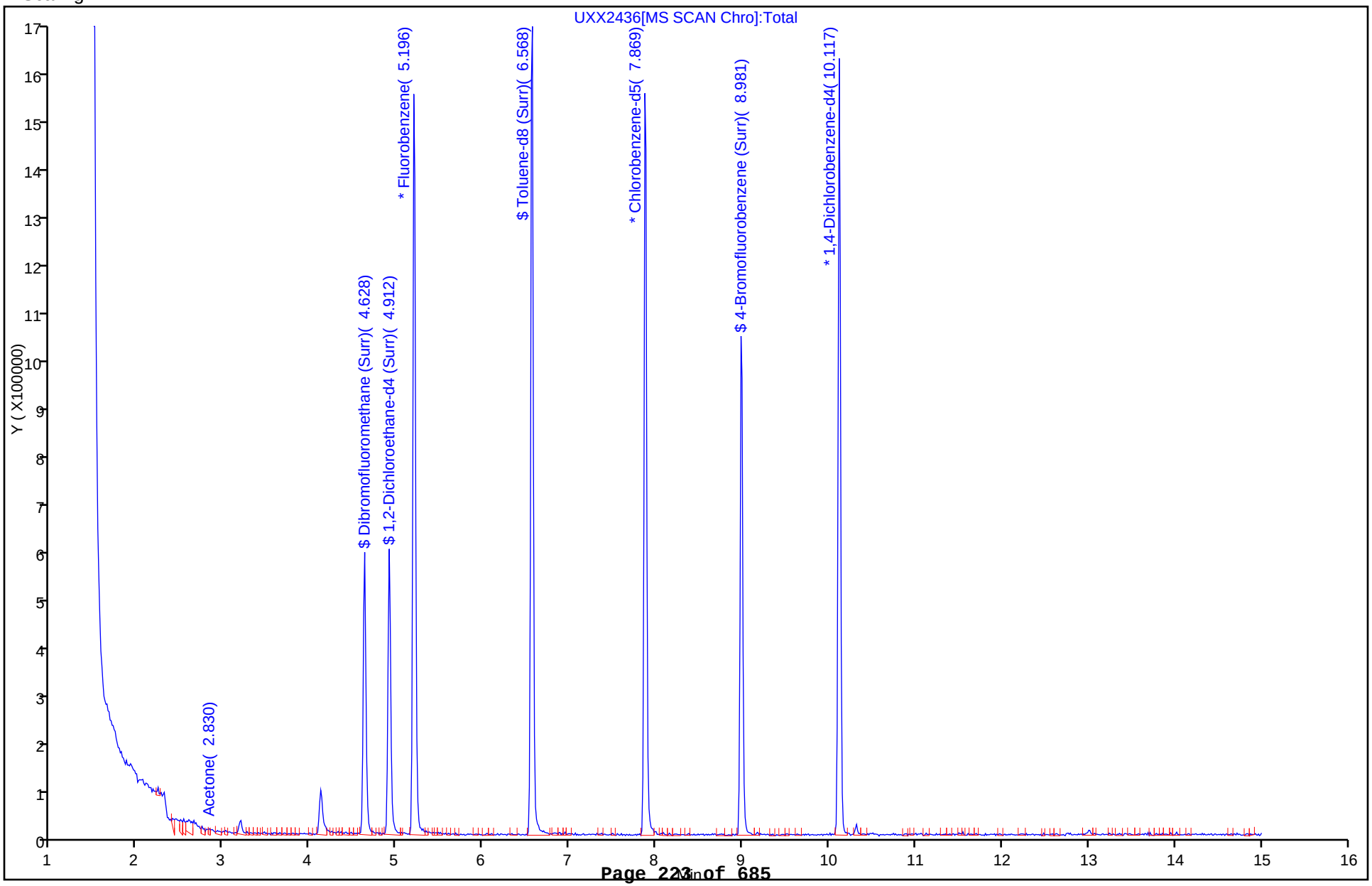
Report Date: 18-Feb-2013 07:10:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2436.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 15:44:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-24 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 17 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-19 | Lab Sample ID: 240-20928-10

Matrix: Water | Lab File ID: UXX2437.D

Analysis Method: 8260B | Date Collected: 02/07/2013 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 16:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 2.5 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 14 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 1.2 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 3.1 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.1 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-19 | Lab Sample ID: 240-20928-10

Matrix: Water | Lab File ID: UXX2437.D

Analysis Method: 8260B | Date Collected: 02/07/2013 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 16:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 1.1 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 79 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 83 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 86 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D
Lims ID: 240-20928-A-10 Client ID: OW-19
Inject. Date: 15-Feb-2013 16:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017373-018
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 75453 Lims Sample ID: 18
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 18-Feb-2013 07:05:08

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.196 | 5.195 | 0.001 | 99 | 1582537 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.880 | 0.001 | 82 | 1058706 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.116 | 0.001 | 95 | 564203 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.629 | 4.629 | 0.0 | 56 | 371824 | 8.59 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 451650 | 7.86 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 94 | 1309833 | 8.76 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.982 | -0.001 | 95 | 398993 | 8.26 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.565 | 0.0 | 56 | 12060 | 0.2932 | |
| 13 Chloromethane | 50 | | 1.695 | | | | | |
| 14 Vinyl chloride | 62 | 1.790 | 1.790 | 0.0 | 61 | 185324 | 3.10 | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | 2.168 | 2.168 | 0.0 | 85 | 46640 | 1.20 | |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | 9 |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | 2.831 | 2.819 | 0.012 | 70 | 9519 | 0.7959 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | 9 |
| 31 Methylene Chloride | 84 | | 3.186 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | 9 |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | 9 |
| 43 cis-1,2-Dichloroethene | 96 | 4.238 | 4.238 | 0.0 | 59 | 50546 | 1.05 | |
| 50 Chloroform | 83 | | 4.499 | | | | | 9 |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | 9 |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.983 | 4.984 | -0.001 | 93 | 437135 | 2.46 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | 9 |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | 9 |
| 73 Toluene | 91 | 6.616 | 6.628 | -0.012 | 71 | 24406 | 0.1429 | |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | 9 |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | 7.905 | 7.905 | 0.0 | 96 | 1476518 | 13.8 | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | 9 |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | 9 |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | 9 |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | 10.141 | 10.141 | 0.0 | 75 | 87974 | 1.07 | |
| 111 1,2-Dichlorobenzene | 146 | 10.519 | 10.519 | 0.0 | 68 | 21974 | 0.3097 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.276 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

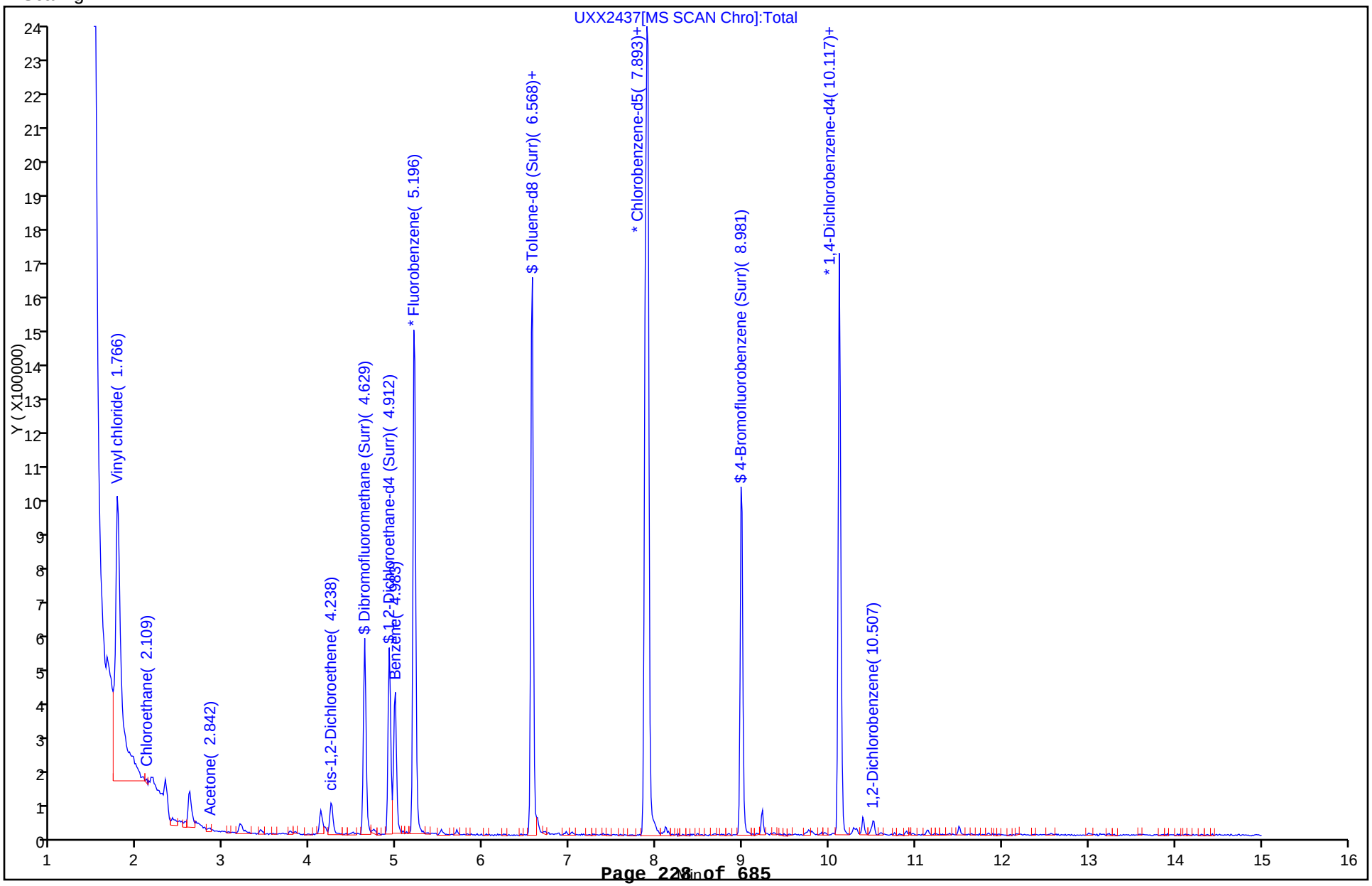
Report Date: 18-Feb-2013 07:10:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-19 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 18 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



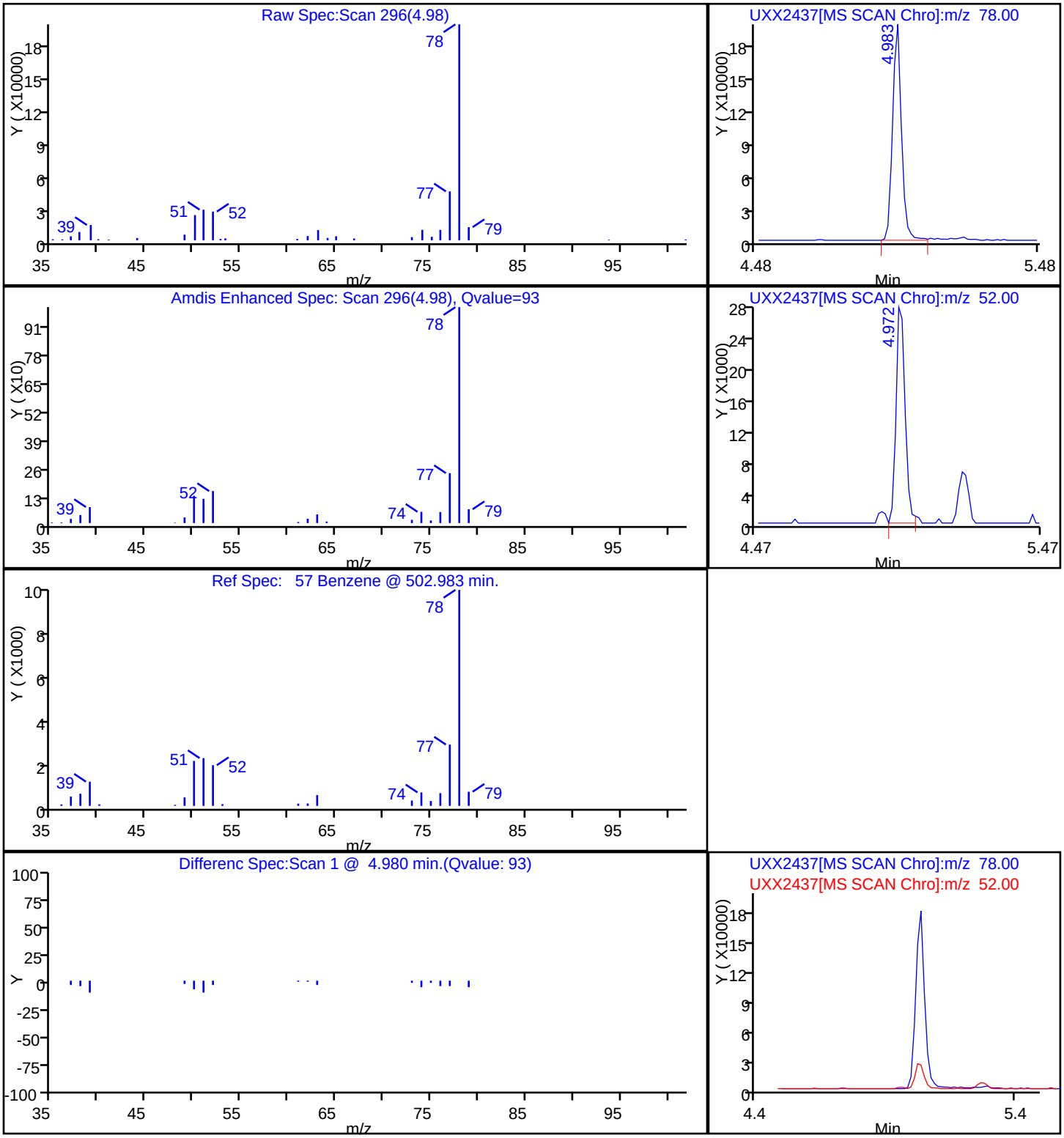
Report Date: 18-Feb-2013 07:10:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-19 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 18 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

57 Benzene



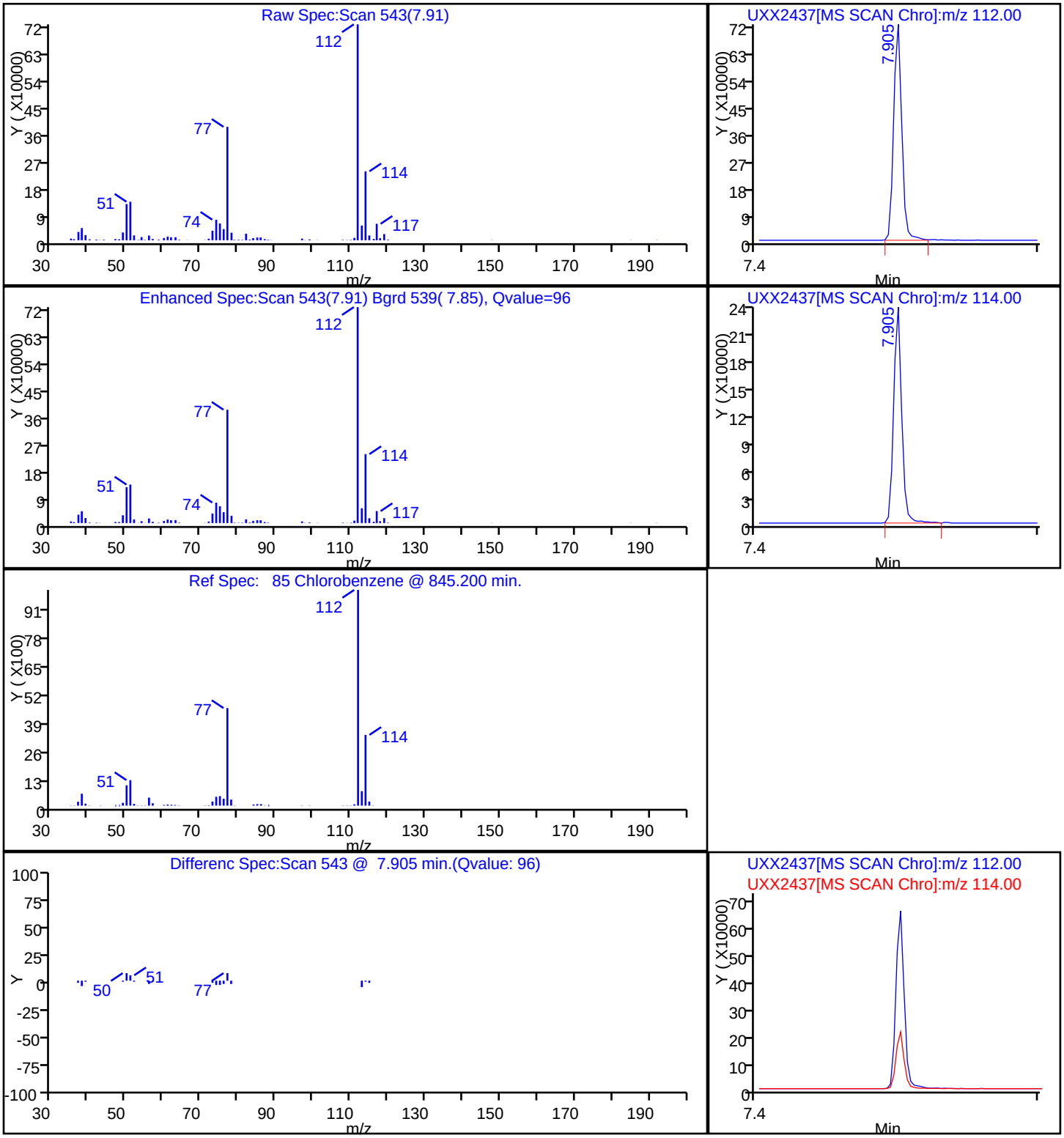
Report Date: 18-Feb-2013 07:10:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-19 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 18 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

85 Chlorobenzene



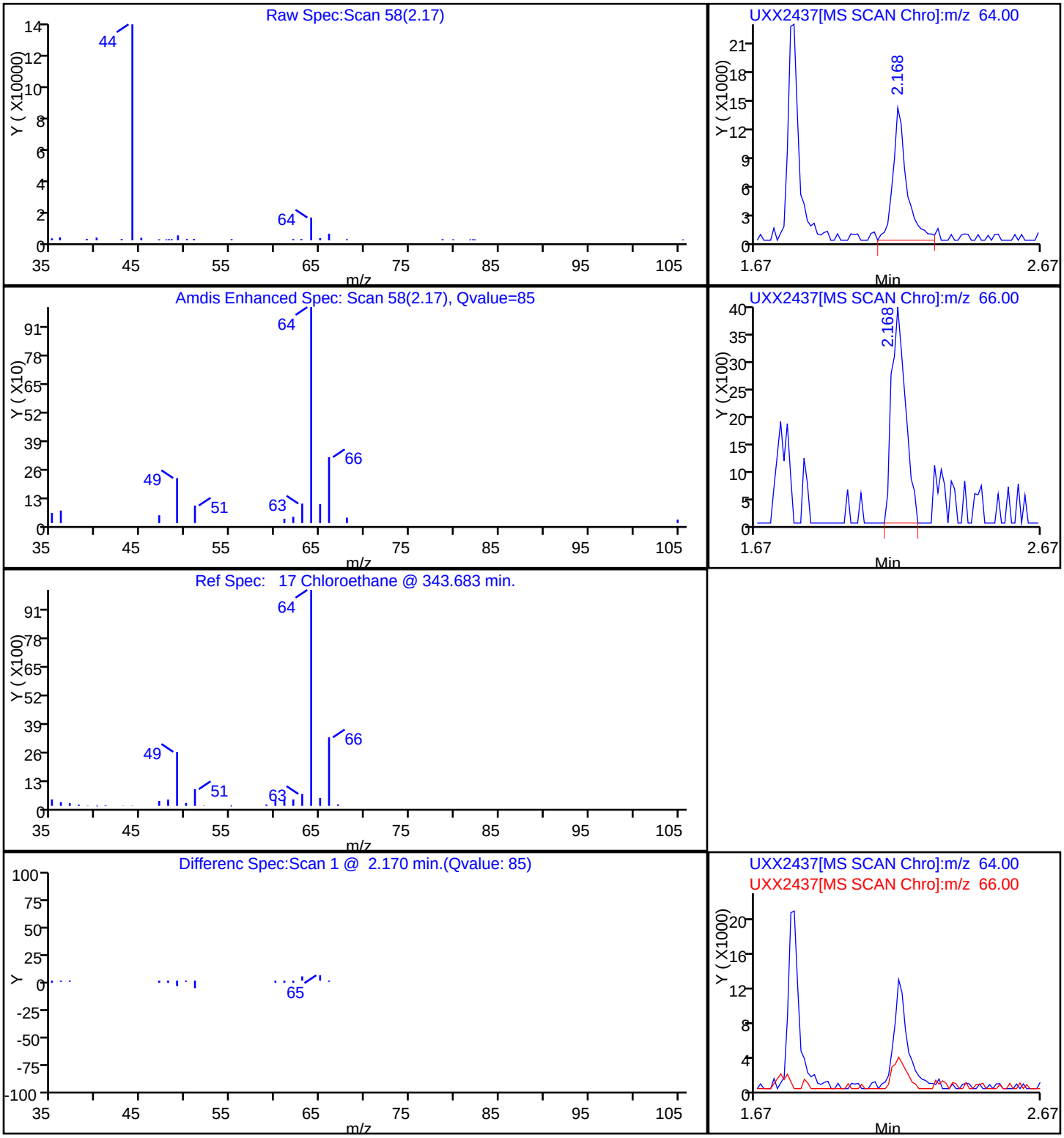
Report Date: 18-Feb-2013 07:10:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-19 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 18 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

17 Chloroethane



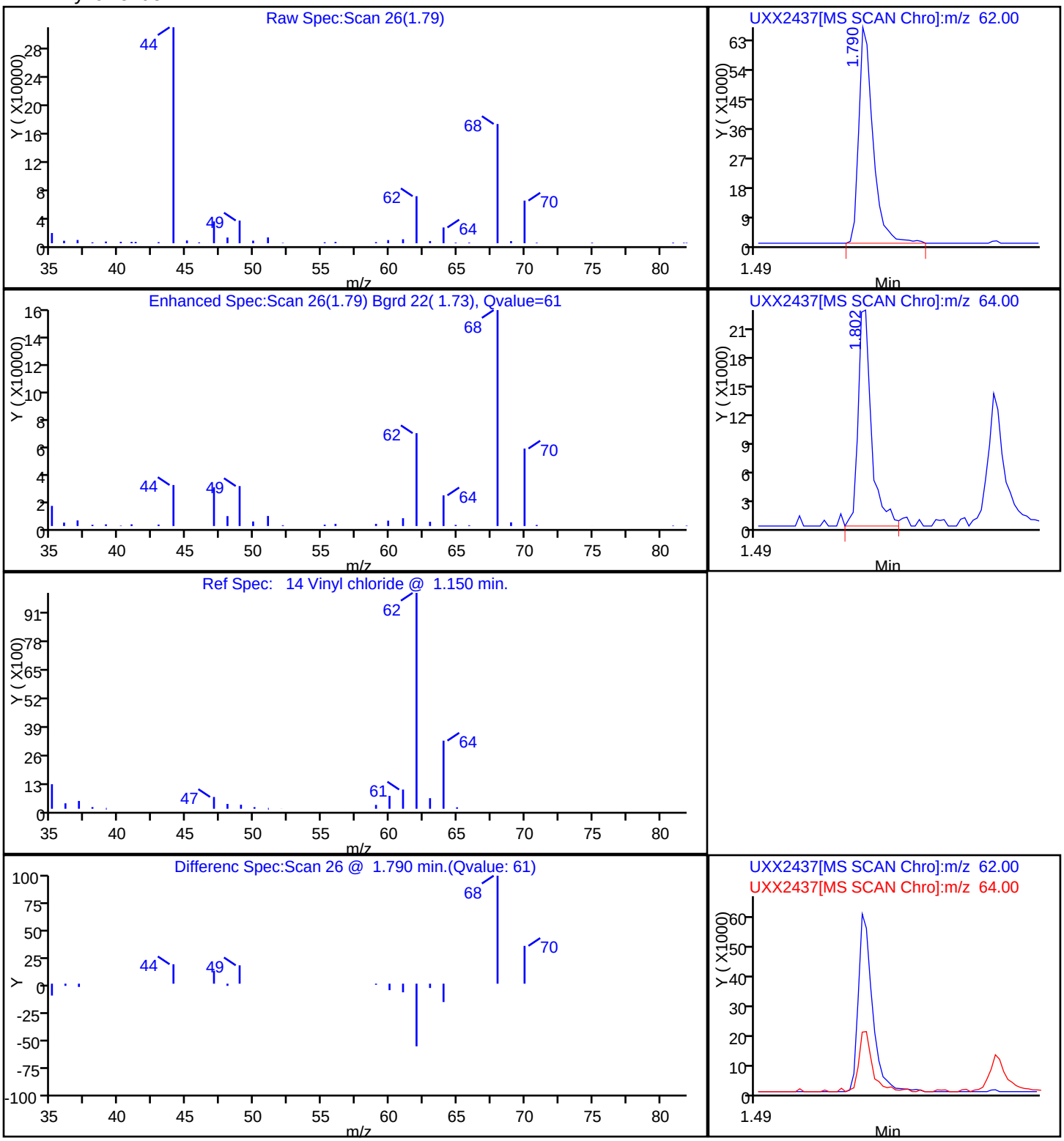
Report Date: 18-Feb-2013 07:10:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-19 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 18 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

14 Vinyl chloride



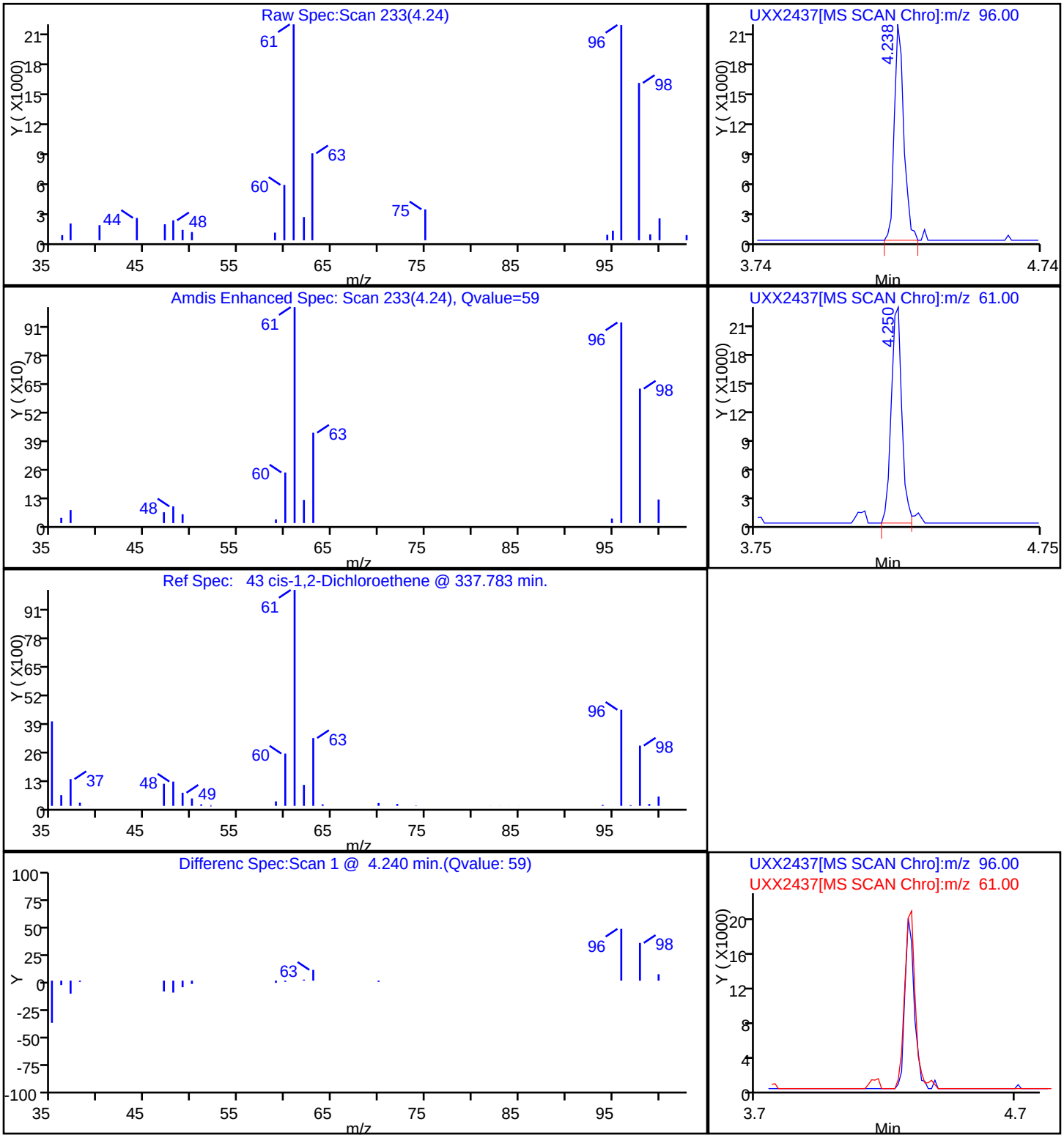
Report Date: 18-Feb-2013 07:10:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-19 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 18 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

43 cis-1,2-Dichloroethene



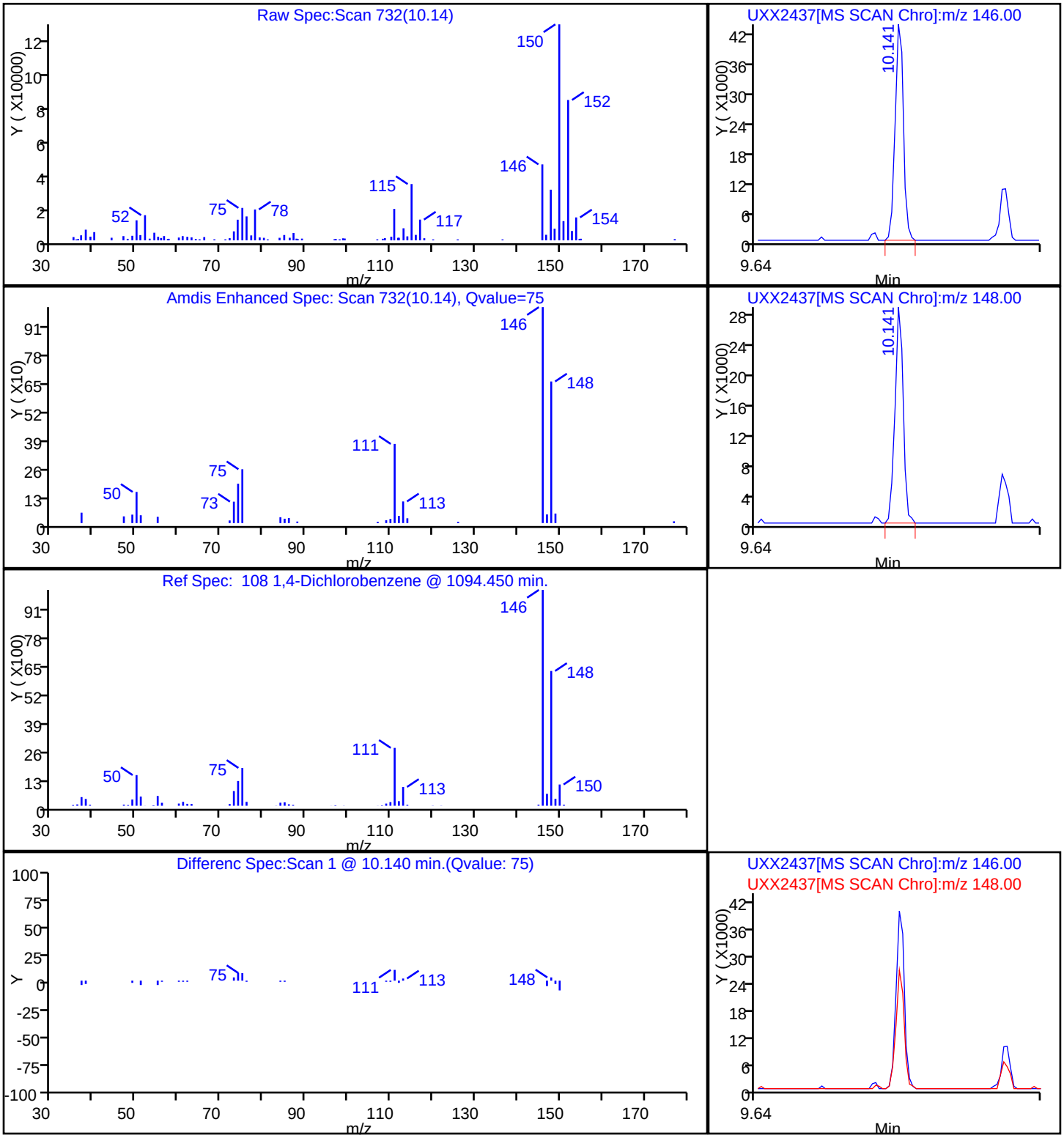
Report Date: 18-Feb-2013 07:10:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2437.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:05:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-19 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 18 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

108 1,4-Dichlorobenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: PUMP RINSATE BLANK | Lab Sample ID: 240-20928-11

Matrix: Water | Lab File ID: UXX2438.D

Analysis Method: 8260B | Date Collected: 02/07/2013 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 16:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: PUMP RINSATE BLANK | Lab Sample ID: 240-20928-11

Matrix: Water | Lab File ID: UXX2438.D

Analysis Method: 8260B | Date Collected: 02/07/2013 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 16:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 81 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 78 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 87 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2438.D
Lims ID: 240-20928-B-11 Client ID: PUMP RINSATE BLANK
Inject. Date: 15-Feb-2013 16:27:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017373-019
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 75453 Lims Sample ID: 19
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.195 | 0.012 | 99 | 1540528 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.880 | 7.880 | 0.0 | 83 | 1040429 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.115 | 10.116 | -0.001 | 95 | 531985 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.627 | 4.629 | -0.002 | 55 | 367075 | 8.71 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.911 | 4.913 | -0.002 | 0 | 452525 | 8.09 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.567 | 6.569 | -0.002 | 92 | 1296593 | 8.83 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.992 | 8.982 | 0.010 | 95 | 371537 | 7.83 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.168 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | 2.817 | 2.819 | -0.002 | 83 | 18741 | 1.61 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | 3.184 | 3.186 | -0.002 | 85 | 38801 | 0.1311 | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | 9 |
| 43 cis-1,2-Dichloroethene | 96 | | 4.238 | | | | | |
| 50 Chloroform | 83 | 4.497 | 4.499 | -0.002 | 72 | 36136 | 0.4631 | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | 9 |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | |
| 111 1,2-Dichlorobenzene | 146 | | 10.519 | | | | | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.276 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

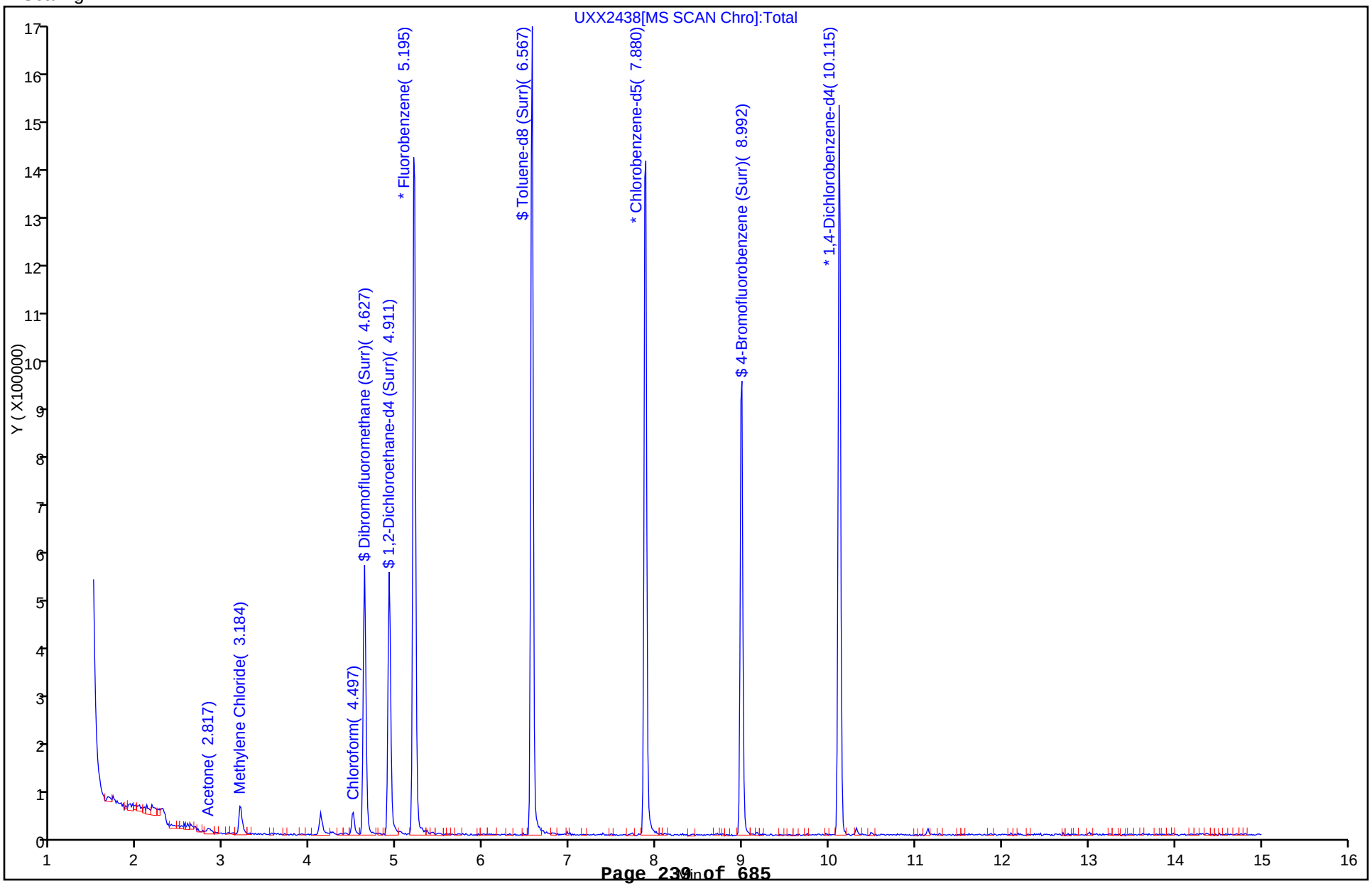
Report Date: 18-Feb-2013 07:10:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2438.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:27:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | PUMP RINSATE BLANK | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 19 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-25 | Lab Sample ID: 240-20928-12

Matrix: Water | Lab File ID: UXX2439.D

Analysis Method: 8260B | Date Collected: 02/07/2013 14:50

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 16:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-25 | Lab Sample ID: 240-20928-12

Matrix: Water | Lab File ID: UXX2439.D

Analysis Method: 8260B | Date Collected: 02/07/2013 14:50

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 16:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 81 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 81 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 92 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2439.D
Lims ID: 240-20928-B-12 Client ID: OW-25
Inject. Date: 15-Feb-2013 16:49:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017373-020
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 75453 Lims Sample ID: 20
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 18-Feb-2013 07:05:42

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.196 | 5.195 | 0.001 | 99 | 1486326 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.870 | 7.880 | -0.010 | 85 | 987074 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.116 | 0.001 | 94 | 511669 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.629 | 4.629 | 0.0 | 62 | 373517 | 9.18 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.913 | 4.913 | 0.0 | 0 | 438658 | 8.13 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.569 | 6.569 | 0.0 | 93 | 1215040 | 8.72 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.982 | 8.982 | 0.0 | 95 | 364874 | 8.10 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.168 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | | 2.819 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | 9 |
| 31 Methylene Chloride | 84 | | 3.186 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | | 4.238 | | | | | |
| 50 Chloroform | 83 | | 4.499 | | | | | 9 |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | |
| 111 1,2-Dichlorobenzene | 146 | | 10.519 | | | | | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.276 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

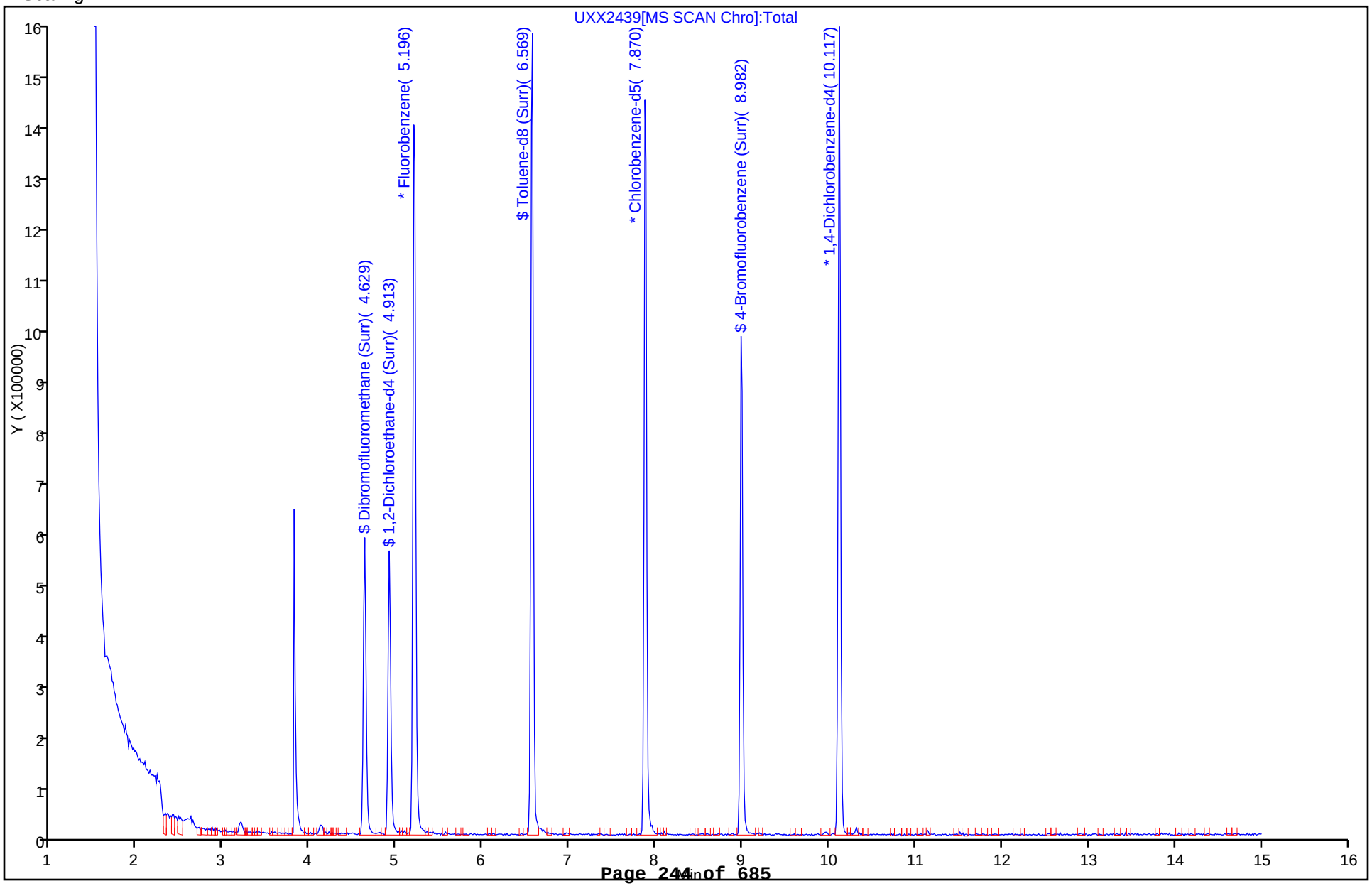
Report Date: 18-Feb-2013 07:10:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2439.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 16:49:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-25 | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 20 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-13R | Lab Sample ID: 240-20928-13

Matrix: Water | Lab File ID: UXX2440.D

Analysis Method: 8260B | Date Collected: 02/08/2013 08:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 17:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 5.4 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.9 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-13R | Lab Sample ID: 240-20928-13

Matrix: Water | Lab File ID: UXX2440.D

Analysis Method: 8260B | Date Collected: 02/08/2013 08:40

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 17:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 79 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 78 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 86 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2440.D
Lims ID: 240-20928-A-13 Client ID: OW-13R
Inject. Date: 15-Feb-2013 17:11:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017373-021
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 75453 Lims Sample ID: 21
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 18-Feb-2013 07:06:20

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.199 | 5.195 | 0.004 | 99 | 1499056 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.872 | 7.880 | -0.008 | 84 | 1010939 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.120 | 10.116 | 0.004 | 93 | 506367 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.631 | 4.629 | 0.002 | 56 | 352521 | 8.59 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.915 | 4.913 | 0.002 | 0 | 429812 | 7.90 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.559 | 6.569 | -0.010 | 93 | 1245098 | 8.73 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.984 | 8.982 | 0.002 | 93 | 359117 | 7.79 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | 9 |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | 1.792 | 1.790 | 0.002 | 90 | 55047 | 0.9710 | |
| 16 Bromomethane | 94 | | 2.086 | | | | | 9 |
| 17 Chloroethane | 64 | | 2.168 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | 9 |
| 24 Acetone | 43 | | 2.819 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | | 3.186 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | 9 |
| 43 cis-1,2-Dichloroethene | 96 | 4.241 | 4.238 | 0.003 | 65 | 87995 | 1.94 | |
| 50 Chloroform | 83 | | 4.499 | | | | | 9 |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.986 | 4.984 | 0.002 | 94 | 908714 | 5.39 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | 5.506 | 5.516 | -0.010 | 86 | 37935 | 0.8474 | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | |
| 111 1,2-Dichlorobenzene | 146 | | 10.519 | | | | | 9 |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.276 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

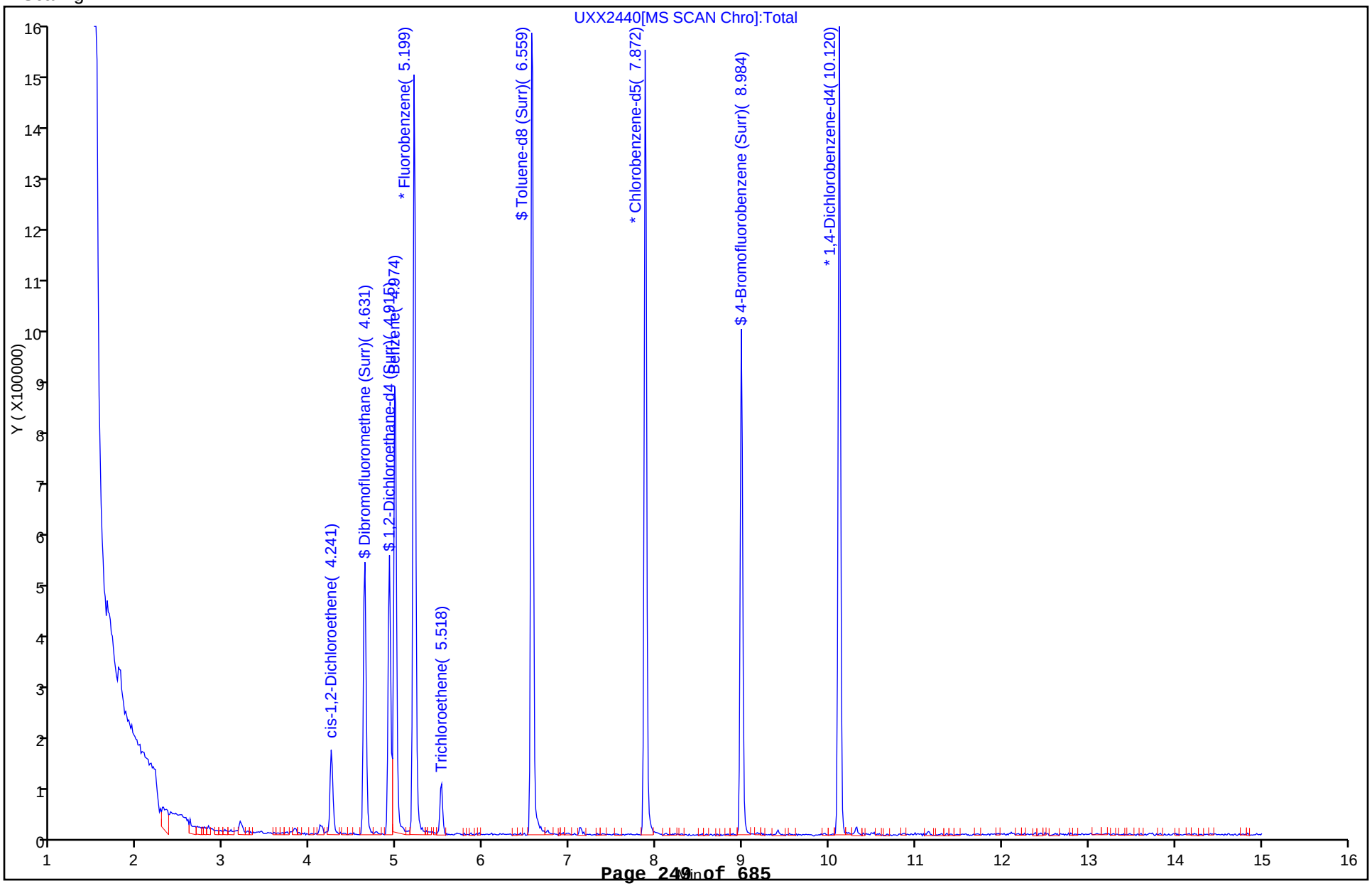
Report Date: 18-Feb-2013 07:10:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2440.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 17:11:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-13R | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 21 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



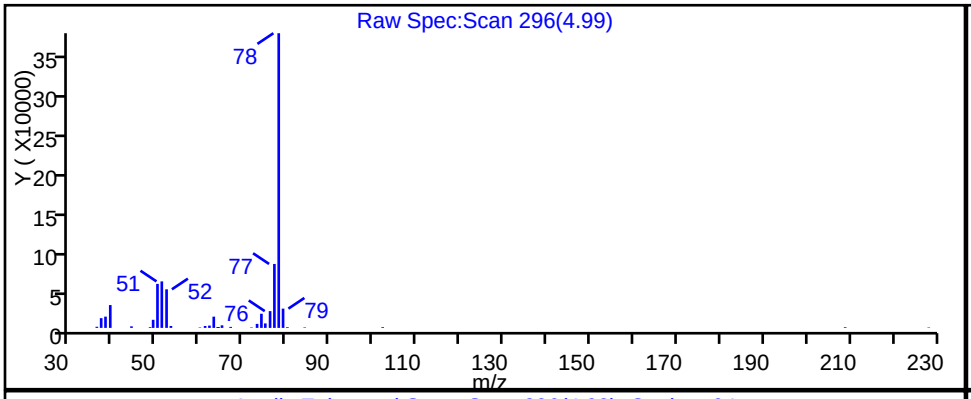
Report Date: 18-Feb-2013 07:10:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

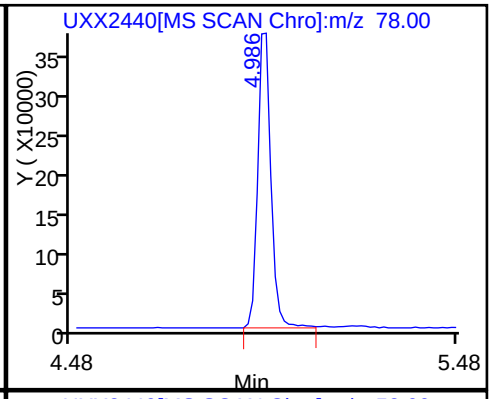
TestAmerica Canton

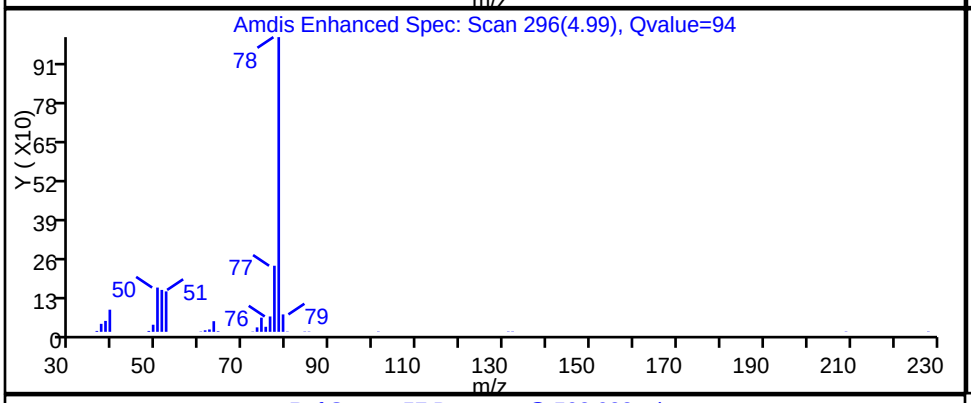
Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2440.D

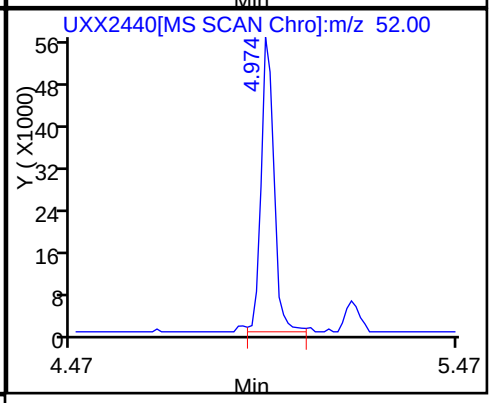
| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 17:11:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-13R | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 21 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

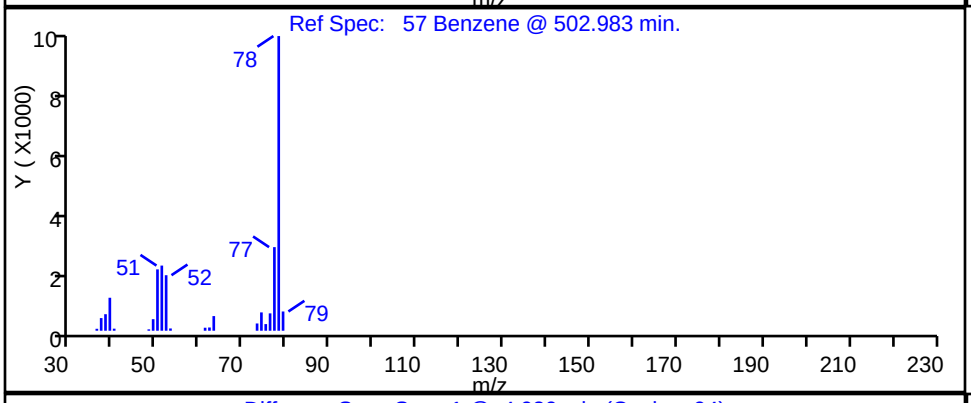
57 Benzene

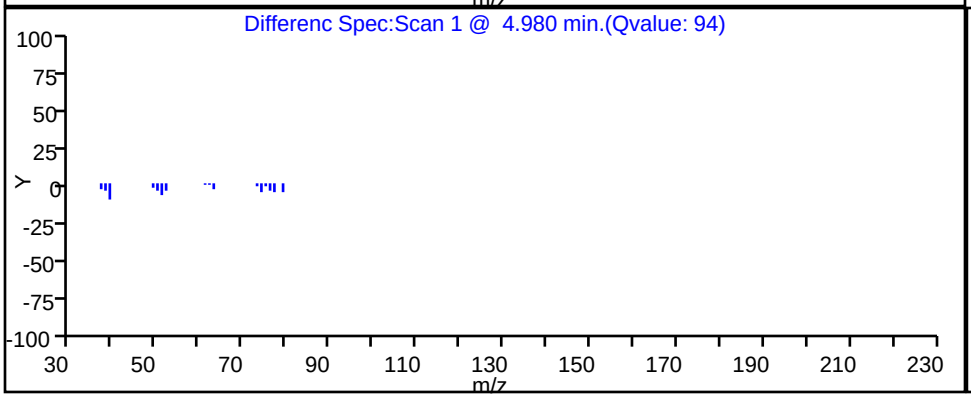


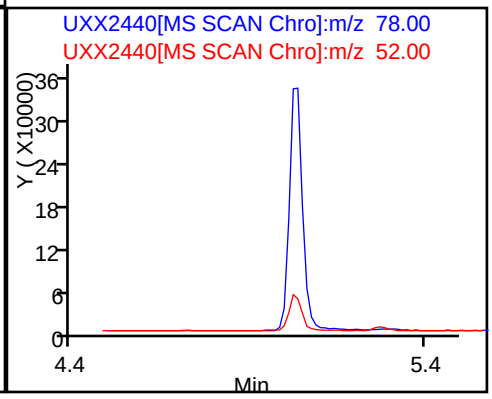



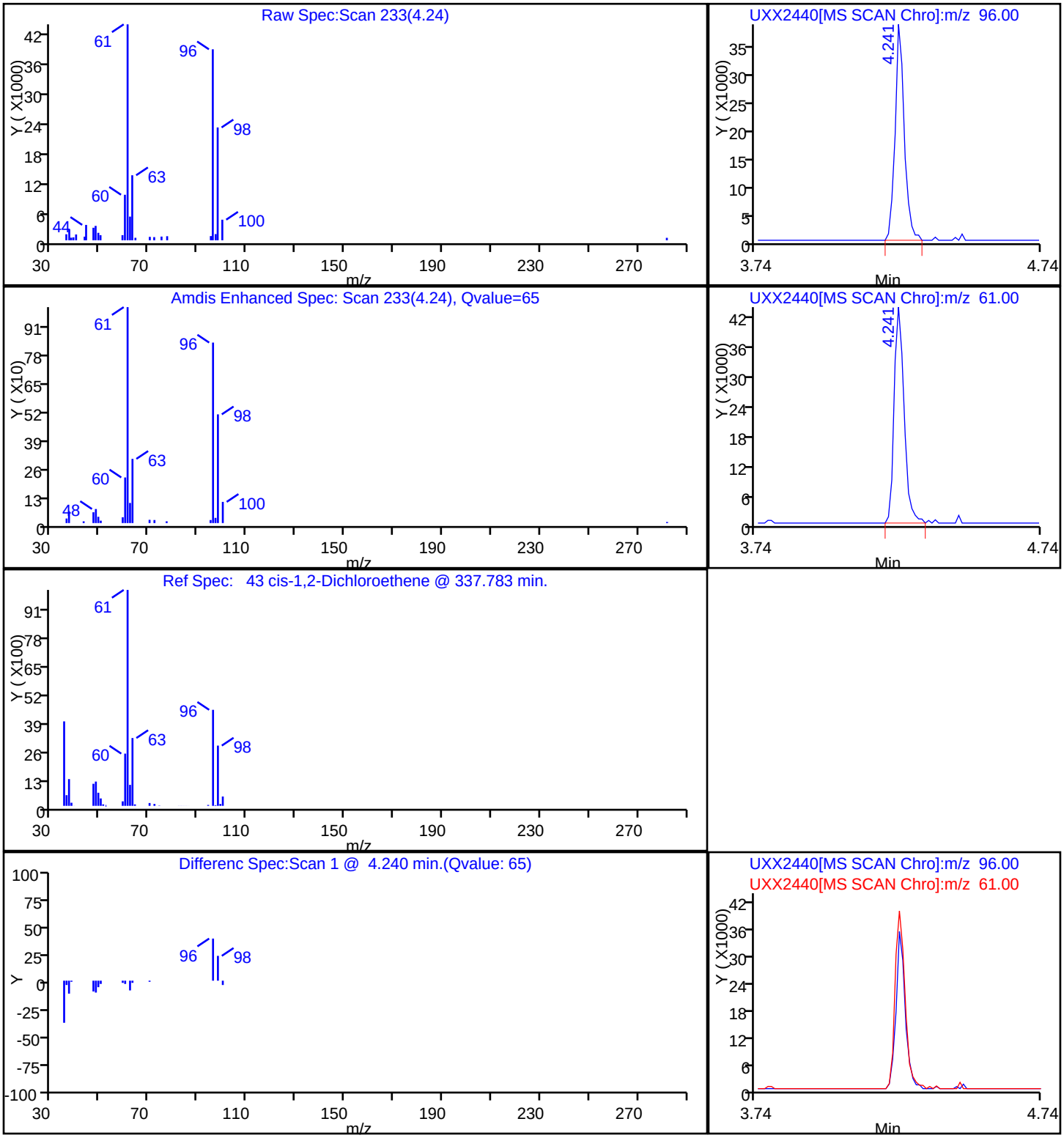
Report Date: 18-Feb-2013 07:10:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2440.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 17:11:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | OW-13R | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 21 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

43 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: GW-DUP | Lab Sample ID: 240-20928-14

Matrix: Water | Lab File ID: UXX2441.D

Analysis Method: 8260B | Date Collected: 02/08/2013 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 17:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | 5.0 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.8 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: GW-DUP | Lab Sample ID: 240-20928-14

Matrix: Water | Lab File ID: UXX2441.D

Analysis Method: 8260B | Date Collected: 02/08/2013 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 17:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 78 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 79 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 89 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 86 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2441.D
Lims ID: 240-20928-A-14 Client ID: GW-DUP
Inject. Date: 15-Feb-2013 17:32:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017373-022
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 75453 Lims Sample ID: 22
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 18-Feb-2013 07:06:43

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.195 | 5.195 | 0.0 | 99 | 1609743 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.880 | 7.880 | 0.0 | 85 | 1049739 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.116 | 10.116 | 0.0 | 94 | 522014 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.629 | -0.001 | 62 | 378525 | 8.59 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 454999 | 7.79 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 93 | 1313367 | 8.86 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.982 | -0.001 | 95 | 377578 | 7.88 | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | 9 |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | 1.789 | 1.790 | -0.001 | 87 | 53634 | 0.8810 | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.168 | | | | | 9 |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | | 2.819 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | 9 |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |
| 31 Methylene Chloride | 84 | | 3.186 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | 9 |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | 9 |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | 4.237 | 4.238 | -0.001 | 66 | 88561 | 1.82 | |
| 50 Chloroform | 83 | | 4.499 | | | | | 9 |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | 4.983 | 4.984 | -0.002 | 94 | 903879 | 5.00 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 61 Trichloroethene | 130 | 5.515 | 5.516 | -0.001 | 90 | 36129 | 0.7516 | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | |
| 79 2-Hexanone | 43 | | 7.184 | | | | | |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | |
| 111 1,2-Dichlorobenzene | 146 | | 10.519 | | | | | 9 |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.276 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | | 12.116 | | | | | |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

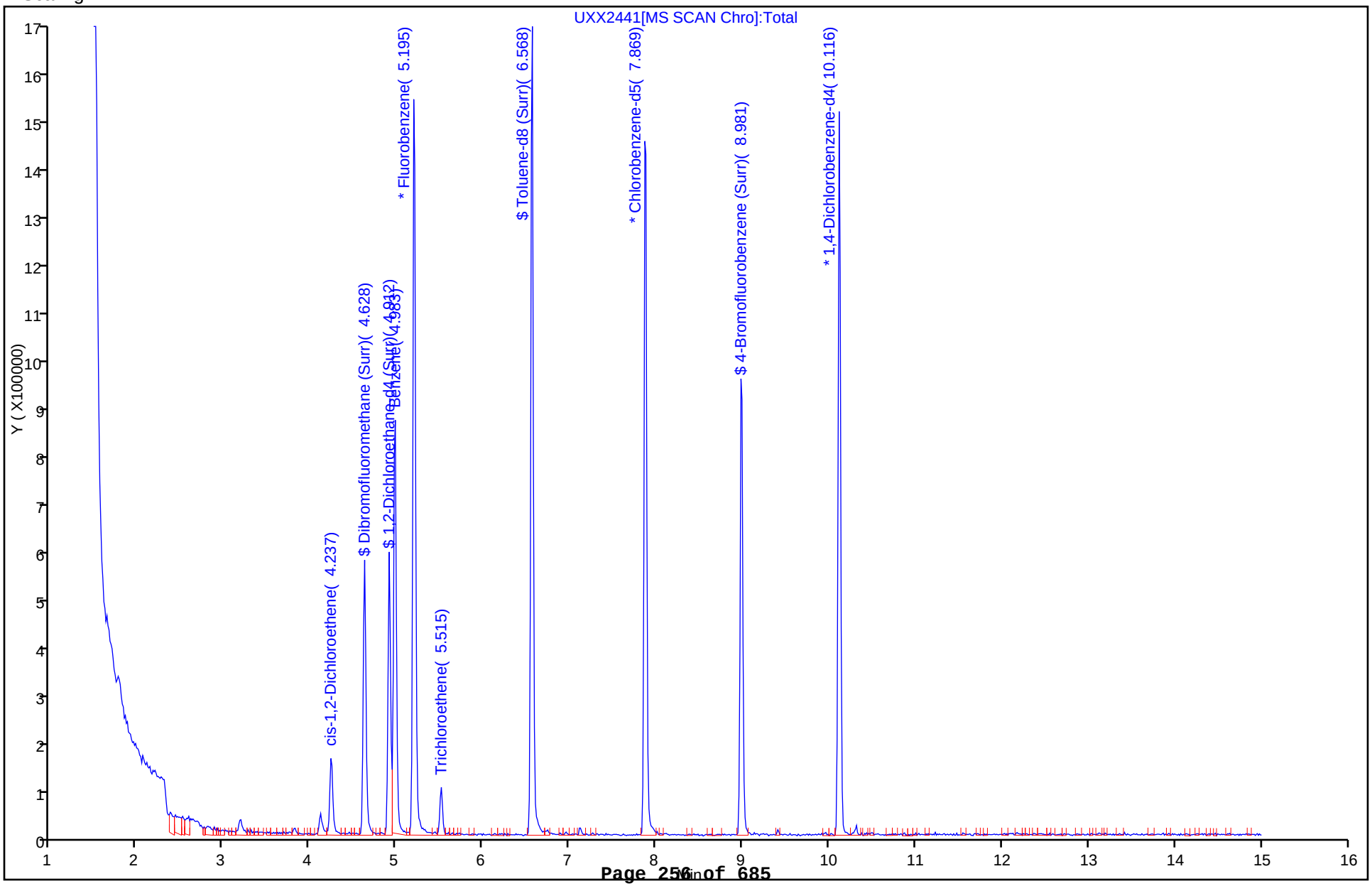
Report Date: 18-Feb-2013 07:10:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2441.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 17:32:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | GW-DUP | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 22 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



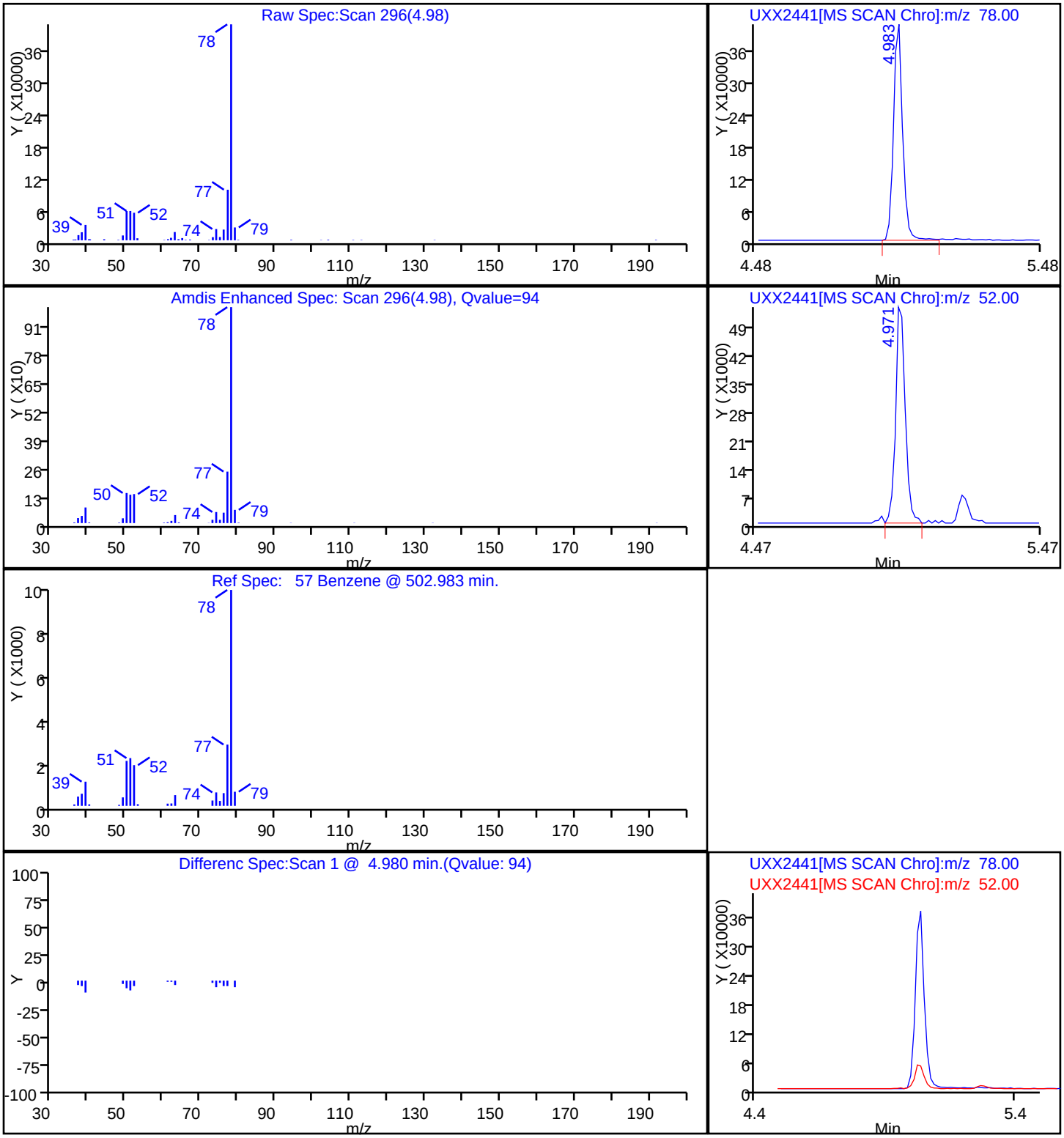
Report Date: 18-Feb-2013 07:10:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2441.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 17:32:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | GW-DUP | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 22 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

57 Benzene



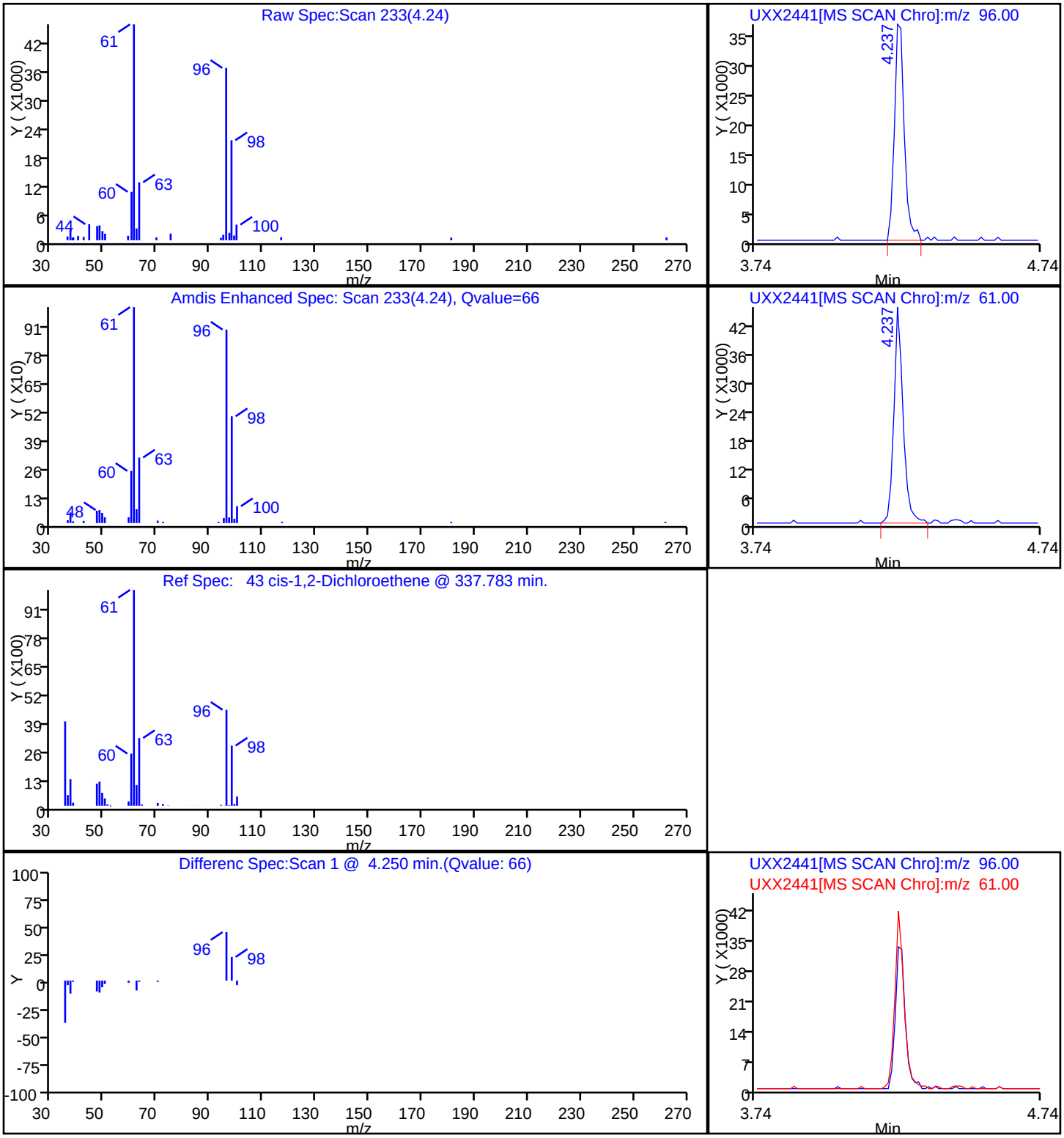
Report Date: 18-Feb-2013 07:10:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2441.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 17:32:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | GW-DUP | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 22 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

43 cis-1,2-Dichloroethene



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

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8260 240-74846/7 | UXX2341.D |
| Level 2 | STD8260 240-74846/6 | UXX2340.D |
| Level 3 | STD8260 240-74846/5 | UXX2339.D |
| Level 4 | STD8260 240-74846/4 | UXX2338.D |
| Level 5 | STD8260 240-74846/3 | UXX2337.D |
| Level 6 | STD8260 240-74846/2 | UXX2336.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorodifluoromethane | 0.2929<br>0.2327 | 0.2767 | 0.2617 | 0.2522 | 0.2430 | Ave | | 0.2599 | | | | 8.5 | | 15.0 | | | |
| Chloromethane | 0.4339<br>0.3295 | 0.4093 | 0.3852 | 0.3510 | 0.3425 | Ave | | 0.3752 | | | 0.1000 | 11.0 | | 15.0 | | | |
| Vinyl chloride | 0.4289<br>0.3383 | 0.3916 | 0.3792 | 0.3783 | 0.3529 | Ave | | 0.3782 | | | | 8.3 | | 15.0 | | | |
| Bromomethane | 0.2542<br>0.1955 | 0.2169 | 0.2143 | 0.2128 | 0.1935 | Ave | | 0.2146 | | | | 10.0 | | 15.0 | | | |
| Chloroethane | 0.2936<br>0.2287 | 0.2460 | 0.2373 | 0.2382 | 0.2334 | Ave | | 0.2462 | | | | 9.7 | | 15.0 | | | |
| Trichlorofluoromethane | 0.4710<br>0.4215 | 0.4348 | 0.4305 | 0.4285 | 0.4307 | Ave | | 0.4362 | | | | 4.0 | | 15.0 | | | |
| Acrolein | 0.0384<br>0.0393 | 0.0377 | 0.0402 | 0.0428 | 0.0366 | Ave | | 0.0392 | | | | 5.5 | | 15.0 | | | |
| 1,1-Dichloroethene | 0.3097<br>0.3011 | 0.2873 | 0.2736 | 0.2876 | 0.2842 | Ave | | 0.2906 | | | | 4.4 | | 15.0 | | | |
| Acetone | 0.0937<br>0.0661 | 0.0745 | 0.0721 | 0.0786 | 0.0685 | Ave | | 0.0756 | | | | 13.0 | | 15.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.2514<br>0.2198 | 0.2250 | 0.2225 | 0.2237 | 0.2104 | Ave | | 0.2255 | | | | 6.1 | | 15.0 | | | |
| Iodomethane | 0.4574<br>0.4271 | 0.4175 | 0.4384 | 0.4207 | 0.4414 | Ave | | 0.4338 | | | | 3.4 | | 15.0 | | | |
| Carbon disulfide | 0.7790<br>0.8637 | 0.7216 | 0.7486 | 0.7828 | 0.8449 | Ave | | 0.7901 | | | | 6.9 | | 15.0 | | | |
| Acetonitrile | 0.0196<br>0.0156 | 0.0198 | 0.0200 | 0.0229 | 0.0179 | Ave | | 0.0193 | | | | 12.0 | | 15.0 | | | |
| Methyl acetate | 0.1668<br>0.1766 | 0.1862 | 0.1722 | 0.1798 | 0.1775 | Ave | | 0.1765 | | | | 3.8 | | 15.0 | | | |
| Methylene Chloride | 0.5205<br>0.3016 | 0.4031 | 0.3267 | 0.3013 | 0.3044 | Lin1 | 0.2135 | 0.2929 | | | | | | | 0.9990 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methyl-2-propanol | 0.0150<br>0.0119 | 0.0126 | 0.0148 | 0.0154 | 0.0132 | Ave | | 0.0138 | | | | 11.0 | | 15.0 | | | |
| Acrylonitrile | 0.0789<br>0.0888 | 0.0877 | 0.0853 | 0.0926 | 0.0885 | Ave | | 0.0870 | | | | 5.3 | | 15.0 | | | |
| Methyl tert-butyl ether | 0.7766<br>0.8361 | 0.7328 | 0.7547 | 0.7811 | 0.8301 | Ave | | 0.7852 | | | | 5.2 | | 15.0 | | | |
| trans-1,2-Dichloroethene | 0.2873<br>0.3116 | 0.2865 | 0.2867 | 0.2974 | 0.3095 | Ave | | 0.2965 | | | | 3.9 | | 15.0 | | | |
| Hexane | 0.0596<br>0.0638 | 0.0543 | 0.0570 | 0.0590 | 0.0621 | Ave | | 0.0593 | | | | 5.8 | | 15.0 | | | |
| 1,1-Dichloroethane | 0.4701<br>0.5093 | 0.4563 | 0.4781 | 0.4824 | 0.5037 | Ave | | 0.4833 | | | 0.1000 | 4.2 | | 15.0 | | | |
| Vinyl acetate | 0.0323<br>0.0508 | 0.0353 | 0.0382 | 0.0435 | 0.0473 | Lin1 | -0.027 | 0.0496 | | | | | | | 0.9960 | | 0.9900 |
| 2-Butanone (MEK) | 0.0976<br>0.0916 | 0.0954 | 0.0877 | 0.0938 | 0.0914 | Ave | | 0.0929 | | | | 3.7 | | 15.0 | | | |
| cis-1,2-Dichloroethene | 0.3021<br>0.3187 | 0.2894 | 0.2830 | 0.3068 | 0.3176 | Ave | | 0.3029 | | | | 4.8 | | 15.0 | | | |
| 2,2-Dichloropropane | 0.2976<br>0.3127 | 0.2863 | 0.2959 | 0.3074 | 0.3308 | Ave | | 0.3051 | | | | 5.1 | | 15.0 | | | |
| Chlorobromomethane | 0.1647<br>0.1504 | 0.1454 | 0.1468 | 0.1486 | 0.1504 | Ave | | 0.1510 | | | | 4.6 | | 15.0 | | | |
| Tetrahydrofuran | 0.0734<br>0.0570 | 0.0616 | 0.0586 | 0.0630 | 0.0584 | Ave | | 0.0620 | | | | 9.7 | | 15.0 | | | |
| Chloroform | 0.5056<br>0.5208 | 0.5125 | 0.4894 | 0.4926 | 0.5181 | Ave | | 0.5065 | | | | 2.6 | | 15.0 | | | |
| 1,1,1-Trichloroethane | 0.3930<br>0.4289 | 0.4136 | 0.3941 | 0.4216 | 0.4260 | Ave | | 0.4129 | | | | 3.8 | | 15.0 | | | |
| Cyclohexane | 0.3747<br>0.4381 | 0.3786 | 0.3713 | 0.4274 | 0.4273 | Ave | | 0.4029 | | | | 7.7 | | 15.0 | | | |
| 1,1-Dichloropropene | 0.3428<br>0.3987 | 0.3368 | 0.3564 | 0.3810 | 0.4014 | Ave | | 0.3695 | | | | 7.6 | | 15.0 | | | |
| Carbon tetrachloride | 0.3620<br>0.4003 | 0.3607 | 0.3518 | 0.3743 | 0.3943 | Ave | | 0.3739 | | | | 5.2 | | 15.0 | | | |
| 1,2-Dichloroethane | 0.3956<br>0.3976 | 0.4001 | 0.3862 | 0.3991 | 0.3949 | Ave | | 0.3956 | | | | 1.3 | | 15.0 | | | |
| Benzene | 1.0839<br>1.1916 | 1.0745 | 1.0990 | 1.1315 | 1.1622 | Ave | | 1.1238 | | | | 4.1 | | 15.0 | | | |
| Trichloroethene | 0.3133<br>0.3015 | 0.2945 | 0.2869 | 0.2979 | 0.2975 | Ave | | 0.2986 | | | | 2.9 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Methylcyclohexane | 0.3565<br>0.4270 | 0.3666 | 0.3591 | 0.4060 | 0.4066 | Ave | | 0.3870 | | | | 7.7 | | 15.0 | | | |
| 1,2-Dichloropropane | 0.2334<br>0.2616 | 0.2483 | 0.2447 | 0.2525 | 0.2595 | Ave | | 0.2500 | | | | 4.2 | | 15.0 | | | |
| Dibromomethane | 0.1546<br>0.1604 | 0.1466 | 0.1629 | 0.1621 | 0.1611 | Ave | | 0.1580 | | | | 4.0 | | 15.0 | | | |
| 1,4-Dioxane | 0.0010<br>0.0012 | 0.0010 | 0.0011 | 0.0016 | 0.0014 | Qua | -0.066 | 0.0018 | 0 | | | | | | 0.9970 | | 0.9900 |
| Dichlorobromomethane | 0.3154<br>0.3681 | 0.3079 | 0.3293 | 0.3445 | 0.3597 | Ave | | 0.3375 | | | | 7.2 | | 15.0 | | | |
| 2-Chloroethyl vinyl ether | 0.0945<br>0.1420 | 0.1069 | 0.1165 | 0.1316 | 0.1410 | Lin1 | -0.129 | 0.1422 | | | | | | | 0.9990 | | 0.9900 |
| cis-1,3-Dichloropropene | 0.3147<br>0.4248 | 0.3072 | 0.3587 | 0.3859 | 0.4221 | Ave | | 0.3689 | | | | 14.0 | | 15.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | 0.1494<br>0.1921 | 0.1626 | 0.1724 | 0.1935 | 0.1958 | Ave | | 0.1776 | | | | 11.0 | | 15.0 | | | |
| Toluene | 1.4379<br>1.8231 | 1.5195 | 1.5805 | 1.5992 | 1.7212 | Ave | | 1.6136 | | | | 8.6 | | 15.0 | | | |
| trans-1,3-Dichloropropene | 0.3838<br>0.5283 | 0.3631 | 0.4225 | 0.4417 | 0.4797 | Ave | | 0.4365 | | | | 14.0 | | 15.0 | | | |
| Ethyl methacrylate | 0.2361<br>0.4310 | 0.2493 | 0.3138 | 0.3485 | 0.3952 | Lin1 | -0.287 | 0.4187 | | | | | | | 0.9940 | | 0.9900 |
| 1,1,2-Trichloroethane | 0.3067<br>0.3104 | 0.2766 | 0.2957 | 0.2941 | 0.3064 | Ave | | 0.2983 | | | | 4.2 | | 15.0 | | | |
| Tetrachloroethene | 0.3931<br>0.3484 | 0.3412 | 0.3229 | 0.3281 | 0.3369 | Ave | | 0.3451 | | | | 7.3 | | 15.0 | | | |
| 1,3-Dichloropropane | 0.5029<br>0.5664 | 0.4895 | 0.5134 | 0.5224 | 0.5555 | Ave | | 0.5250 | | | | 5.7 | | 15.0 | | | |
| 2-Hexanone | 0.1321<br>0.1710 | 0.1367 | 0.1537 | 0.1604 | 0.1703 | Ave | | 0.1541 | | | | 11.0 | | 15.0 | | | |
| Chlorodibromomethane | 0.2556<br>0.3688 | 0.2603 | 0.2969 | 0.3121 | 0.3422 | Ave | | 0.3060 | | | | 15.0 | | 15.0 | | | |
| Ethylene Dibromide | 0.2721<br>0.3065 | 0.2690 | 0.2829 | 0.2897 | 0.3037 | Ave | | 0.2873 | | | | 5.5 | | 15.0 | | | |
| Chlorobenzene | 1.0241<br>1.0507 | 0.9831 | 0.9847 | 0.9949 | 1.0391 | Ave | | 1.0128 | | | 0.3000 | 2.9 | | 15.0 | | | |
| 1,1,1,2-Tetrachloroethane | 0.3600<br>0.3770 | 0.3253 | 0.3543 | 0.3556 | 0.3817 | Ave | | 0.3590 | | | | 5.6 | | 15.0 | | | |
| Ethylbenzene | 0.4693<br>0.5747 | 0.5175 | 0.5211 | 0.5317 | 0.5724 | Ave | | 0.5311 | | | | 7.4 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| m-Xylene & p-Xylene | 0.5789<br>0.7533 | 0.5803 | 0.6506 | 0.6727 | 0.7241 | Ave | | 0.6600 | | | | 11.0 | | 15.0 | | | |
| o-Xylene | 0.5588<br>0.6939 | 0.5436 | 0.6257 | 0.6460 | 0.6901 | Ave | | 0.6264 | | | | 10.0 | | 15.0 | | | |
| Styrene | 0.8005<br>1.1907 | 0.8251 | 0.9451 | 1.0131 | 1.1174 | Lin1 | -0.582 | 1.1637 | | | | | | | 0.9970 | | 0.9900 |
| Bromoform | 0.1469<br>0.2158 | 0.1474 | 0.1742 | 0.1798 | 0.1988 | Lin1 | -0.103 | 0.2095 | | | 0.1000 | | | | 0.9960 | | 0.9900 |
| Isopropylbenzene | 1.2224<br>1.7029 | 1.3156 | 1.4719 | 1.5411 | 1.6869 | Ave | | 1.4901 | | | | 13.0 | | 15.0 | | | |
| 1,1,2,2-Tetrachloroethane | 0.6360<br>0.6224 | 0.5980 | 0.6417 | 0.6304 | 0.6516 | Ave | | 0.6300 | | | 0.3000 | 2.9 | | 15.0 | | | |
| Bromobenzene | 0.7150<br>0.7928 | 0.7097 | 0.7630 | 0.7590 | 0.7981 | Ave | | 0.7563 | | | | 5.0 | | 15.0 | | | |
| 1,2,3-Trichloropropane | 0.2192<br>0.2174 | 0.2103 | 0.2175 | 0.2218 | 0.2233 | Ave | | 0.2183 | | | | 2.1 | | 15.0 | | | |
| trans-1,4-Dichloro-2-butene | 0.1148<br>0.1820 | 0.1151 | 0.1517 | 0.1486 | 0.1601 | Lin1 | -0.094 | 0.1748 | | | | | | | 0.9940 | | 0.9900 |
| N-Propylbenzene | 0.6514<br>0.7810 | 0.6215 | 0.7394 | 0.7576 | 0.7738 | Ave | | 0.7208 | | | | 9.4 | | 15.0 | | | |
| 2-Chlorotoluene | 0.5761<br>0.6817 | 0.6264 | 0.6964 | 0.6824 | 0.6917 | Ave | | 0.6591 | | | | 7.3 | | 15.0 | | | |
| 1,3,5-Trimethylbenzene | 1.7093<br>2.2858 | 1.7978 | 2.1316 | 2.1784 | 2.3112 | Ave | | 2.0690 | | | | 12.0 | | 15.0 | | | |
| 4-Chlorotoluene | 0.6337<br>0.7709 | 0.6830 | 0.7473 | 0.7679 | 0.7637 | Ave | | 0.7277 | | | | 7.8 | | 15.0 | | | |
| tert-Butylbenzene | 1.5023<br>1.7819 | 1.5139 | 1.9470 | 1.7600 | 2.0502 | Ave | | 1.7592 | | | | 13.0 | | 15.0 | | | |
| 1,2,4-Trimethylbenzene | 1.7182<br>2.2843 | 1.8168 | 2.1896 | 2.2523 | 2.3102 | Ave | | 2.0952 | | | | 12.0 | | 15.0 | | | |
| sec-Butylbenzene | 1.9939<br>2.4297 | 2.0171 | 2.2948 | 2.3810 | 2.4191 | Ave | | 2.2559 | | | | 8.9 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.3189<br>1.3792 | 1.2721 | 1.3281 | 1.3685 | 1.3740 | Ave | | 1.3401 | | | | 3.1 | | 15.0 | | | |
| 4-Isopropyltoluene | 1.6161<br>2.0417 | 1.6877 | 1.9336 | 1.9926 | 2.0772 | Ave | | 1.8915 | | | | 10.0 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.5458<br>1.4700 | 1.4110 | 1.4056 | 1.4198 | 1.4616 | Ave | | 1.4523 | | | | 3.7 | | 15.0 | | | |
| n-Butylbenzene | 1.3085<br>1.6780 | 1.2924 | 1.5110 | 1.5973 | 1.6885 | Ave | | 1.5126 | | | | 12.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,2-Dichlorobenzene | 1.2864<br>1.2423 | 1.2079 | 1.2535 | 1.2517 | 1.3029 | Ave | | 1.2575 | | | | 2.7 | | 15.0 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.0853<br>0.0773 | 0.0904 | 0.0740 | 0.0878 | 0.0911 | Ave | | 0.0843 | | | | 8.4 | | 15.0 | | | |
| 1,3,5-Trichlorobenzene | 0.7669<br>0.6271 | 0.7165 | 0.7344 | 0.7412 | 0.7369 | Ave | | 0.7205 | | | | 6.7 | | 15.0 | | | |
| 1,2,4-Trichlorobenzene | 0.6009<br>0.5012 | 0.5649 | 0.6143 | 0.6088 | 0.6076 | Ave | | 0.5829 | | | | 7.5 | | 15.0 | | | |
| Hexachlorobutadiene | 0.3380 | 0.3238 | 0.3083 | 0.2931 | 0.2645 | Ave | | 0.3055 | | | | 9.3 | | 15.0 | | | |
| Naphthalene | 1.0118 | 0.9996 | 1.2162 | 1.3715 | 1.4148 | Lin1 | -0.596 | 1.4232 | | | | | | | 0.9980 | | 0.9900 |
| 1,2,3-Trichlorobenzene | 0.5500 | 0.5547 | 0.5306 | 0.5385 | 0.5110 | Ave | | 0.5369 | | | | 3.2 | | 15.0 | | | |
| Dibromofluoromethane (Surr) | 0.2612<br>0.2857 | 0.2787 | 0.2643 | 0.2731 | 0.2790 | Ave | | 0.2736 | | | | 3.4 | | 15.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.3945<br>0.3557 | 0.3685 | 0.3583 | 0.3504 | 0.3502 | Ave | | 0.3629 | | | | 4.6 | | 15.0 | | | |
| Toluene-d8 (Surr) | 1.3111<br>1.5519 | 1.3588 | 1.3826 | 1.3837 | 1.4811 | Ave | | 1.4115 | | | | 6.3 | | 15.0 | | | |
| 4-Bromofluorobenzene (Surr) | 0.4479<br>0.4751 | 0.4285 | 0.4488 | 0.4600 | 0.4767 | Ave | | 0.4562 | | | | 4.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD8260 240-74846/7 | UXX2341.D |
| Level 2 | STD8260 240-74846/6 | UXX2340.D |
| Level 3 | STD8260 240-74846/5 | UXX2339.D |
| Level 4 | STD8260 240-74846/4 | UXX2338.D |
| Level 5 | STD8260 240-74846/3 | UXX2337.D |
| Level 6 | STD8260 240-74846/2 | UXX2336.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Dichlorodifluoromethane | FB | Ave | 43031<br>1612779 | 82627 | 212788 | 422771 | 826873 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chloromethane | FB | Ave | 63737<br>2283772 | 122227 | 313223 | 588377 | 1165612 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Vinyl chloride | FB | Ave | 63008<br>2344606 | 116932 | 308318 | 634059 | 1200783 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Bromomethane | FB | Ave | 37346<br>1355016 | 64785 | 174292 | 356684 | 658435 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chloroethane | FB | Ave | 43126<br>1584633 | 73457 | 192997 | 399316 | 794417 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Trichlorofluoromethane | FB | Ave | 69185<br>2920874 | 129844 | 350078 | 718173 | 1465804 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Acrolein | FB | Ave | 56476<br>2726685 | 112496 | 326849 | 717190 | 1245251 | 10.0<br>400 | 20.0 | 50.0 | 100 | 200 |
| 1,1-Dichloroethene | FB | Ave | 45499<br>2086394 | 85793 | 222522 | 482106 | 967191 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Acetone | FB | Ave | 27526<br>916229 | 44478 | 117224 | 263330 | 466376 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha<br>ne | FB | Ave | 36928<br>1522901 | 67199 | 180961 | 374966 | 716113 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Iodomethane | FB | Ave | 67186<br>2960121 | 124675 | 356535 | 705085 | 1502047 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Carbon disulfide | FB | Ave | 114429<br>5985865 | 215493 | 608757 | 1312044 | 2875235 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Acetonitrile | FB | Ave | 28719<br>1084164 | 59235 | 162283 | 383260 | 609424 | 10.0<br>400 | 20.0 | 50.0 | 100 | 200 |
| Methyl acetate | FB | Ave | 48993<br>2447963 | 111210 | 280024 | 602853 | 1208192 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Methylene Chloride | FB | Lin1 | 76457<br>2090314 | 120368 | 265691 | 505062 | 1035791 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Methyl-2-propanol | FB | Ave | 44066<br>1646564 | 74978 | 241382 | 515928 | 901774 | 20.0<br>800 | 40.0 | 100 | 200 | 400 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acrylonitrile | FB | Ave | 23184<br>1230801 | 52385 | 138735 | 310318 | 602442 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Methyl tert-butyl ether | FB | Ave | 114080<br>5793939 | 218846 | 613719 | 1309166 | 2824740 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| trans-1,2-Dichloroethene | FB | Ave | 42204<br>2159160 | 85568 | 233131 | 498447 | 1053351 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Hexane | FB | Ave | 8750<br>442045 | 16205 | 46358 | 98820 | 211442 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1-Dichloroethane | FB | Ave | 69053<br>3529413 | 136249 | 388808 | 808515 | 1714198 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Vinyl acetate | FB | Lin1 | 4750<br>352254 | 10531 | 31052 | 72992 | 161048 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Butanone (MEK) | FB | Ave | 28663<br>1269506 | 56970 | 142603 | 314490 | 622243 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| cis-1,2-Dichloroethene | FB | Ave | 44372<br>2208722 | 86433 | 230108 | 514256 | 1080935 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2,2-Dichloropropane | FB | Ave | 43718<br>2167205 | 85501 | 240593 | 515277 | 1125685 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chlorobromomethane | FB | Ave | 24188<br>1042159 | 43422 | 119379 | 249012 | 511819 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Tetrahydrofuran | FB | Ave | 10777<br>394736 | 18392 | 47620 | 105516 | 198619 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chloroform | FB | Ave | 74269<br>3608876 | 153059 | 397952 | 825696 | 1763227 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,1-Trichloroethane | FB | Ave | 57735<br>2972346 | 123501 | 320468 | 706616 | 1449601 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Cyclohexane | FB | Ave | 55044<br>3035955 | 113067 | 301914 | 716370 | 1453987 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1-Dichloropropene | FB | Ave | 50356<br>2763082 | 100587 | 289797 | 638519 | 1366090 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Carbon tetrachloride | FB | Ave | 53171<br>2774316 | 107718 | 286065 | 627337 | 1341614 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichloroethane | FB | Ave | 58110<br>2755430 | 119471 | 314080 | 668927 | 1343816 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Benzene | FB | Ave | 159218<br>8257796 | 320880 | 893654 | 1896559 | 3954813 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Trichloroethene | FB | Ave | 46022<br>2089733 | 87946 | 233333 | 499380 | 1012355 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Methylcyclohexane | FB | Ave | 52376<br>2959150 | 109483 | 292044 | 680532 | 1383521 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichloropropane | FB | Ave | 34279<br>1813117 | 74139 | 198970 | 423156 | 883052 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Dibromomethane | FB | Ave | 22709<br>1111551 | 43781 | 132479 | 271704 | 548268 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,4-Dioxane | FB | Qua | 7646<br>405331 | 15039 | 45312 | 136130 | 236621 | 50.0<br>2000 | 100 | 250 | 500 | 1000 |
| Dichlorobromomethane | FB | Ave | 46338<br>2551315 | 91937 | 267772 | 577442 | 1223988 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Chloroethyl vinyl ether | FB | Lin1 | 27762<br>1967635 | 63839 | 189535 | 441117 | 959535 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| cis-1,3-Dichloropropene | FB | Ave | 46222<br>2944224 | 91727 | 291701 | 646738 | 1436549 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Methyl-2-pentanone (MIBK) | FB | Ave | 43889<br>2663159 | 97113 | 280359 | 648530 | 1332877 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Toluene | CBZ | Ave | 149159<br>9035351 | 320172 | 912562 | 2002032 | 4272377 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| trans-1,3-Dichloropropene | CBZ | Ave | 39809<br>2618578 | 76499 | 243974 | 552962 | 1190659 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethyl methacrylate | CBZ | Lin1 | 24490<br>2136193 | 52533 | 181208 | 436321 | 980983 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,2-Trichloroethane | CBZ | Ave | 31812<br>1538330 | 58283 | 170759 | 368206 | 760661 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Tetrachloroethene | CBZ | Ave | 40777<br>1726722 | 71887 | 186456 | 410810 | 836303 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3-Dichloropropane | CBZ | Ave | 52164<br>2807022 | 103134 | 296403 | 653985 | 1378995 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Hexanone | CBZ | Ave | 27411<br>1695022 | 57613 | 177519 | 401680 | 845702 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| Chlorodibromomethane | CBZ | Ave | 26517<br>1827771 | 54848 | 171451 | 390782 | 849473 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethylene Dibromide | CBZ | Ave | 28226<br>1518983 | 56688 | 163340 | 362626 | 753853 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Chlorobenzene | CBZ | Ave | 106237<br>5207238 | 207143 | 568544 | 1245544 | 2579267 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,1,2-Tetrachloroethane | CBZ | Ave | 37346<br>1868283 | 68540 | 204551 | 445241 | 947525 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Ethylbenzene | CBZ | Ave | 48681<br>2848248 | 109040 | 300889 | 665620 | 1420918 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| m-Xylene & p-Xylene | CBZ | Ave | 120095<br>7466739 | 244531 | 751260 | 1684340 | 3594811 | 2.00<br>80.0 | 4.00 | 10.0 | 20.0 | 40.0 |
| o-Xylene | CBZ | Ave | 57968<br>3439216 | 114546 | 361248 | 808742 | 1712948 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Styrene | CBZ | Lin1 | 83041<br>5901079 | 173851 | 545690 | 1268321 | 2773633 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bromoform | CBZ | Lin1 | 15234<br>1069553 | 31053 | 100599 | 225071 | 493517 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Isopropylbenzene | CBZ | Ave | 126807<br>8439689 | 277209 | 849883 | 1929321 | 4187427 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,1,2,2-Tetrachloroethane | DCB | Ave | 36391<br>1735808 | 70515 | 204670 | 432462 | 920484 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Bromobenzene | DCB | Ave | 40913<br>2211067 | 83676 | 243368 | 520704 | 1127457 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,3-Trichloropropane | DCB | Ave | 12543<br>606316 | 24794 | 69390 | 152152 | 315500 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| trans-1,4-Dichloro-2-butene | DCB | Lin1 | 6568<br>507453 | 13573 | 48379 | 101961 | 226226 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| N-Propylbenzene | DCB | Ave | 37269<br>2178059 | 73285 | 235858 | 519734 | 1093175 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 2-Chlorotoluene | DCB | Ave | 32963<br>1901176 | 73856 | 222140 | 468144 | 977161 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3,5-Trimethylbenzene | DCB | Ave | 97803<br>6374639 | 211977 | 679904 | 1494473 | 3265088 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Chlorotoluene | DCB | Ave | 36260<br>2149849 | 80531 | 238378 | 526800 | 1078873 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| tert-Butylbenzene | DCB | Ave | 85955<br>4969183 | 178505 | 621026 | 1207477 | 2896404 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,4-Trimethylbenzene | DCB | Ave | 98312<br>6370324 | 214217 | 698410 | 1545228 | 3263786 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| sec-Butylbenzene | DCB | Ave | 114085<br>6775816 | 237836 | 731985 | 1633507 | 3417646 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 75464<br>3846383 | 149999 | 423625 | 938855 | 1941050 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Isopropyltoluene | DCB | Ave | 92469<br>5693826 | 198993 | 616777 | 1367044 | 2934627 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 88448<br>4099508 | 166374 | 448341 | 974082 | 2064818 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| n-Butylbenzene | DCB | Ave | 74870<br>4679601 | 152390 | 481979 | 1095828 | 2385363 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 73602<br>3464540 | 142421 | 399836 | 858743 | 1840700 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | DCB | Ave | 4881<br>215482 | 10656 | 23604 | 60216 | 128659 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,3,5-Trichlorobenzene | DCB | Ave | 43882<br>1748925 | 84488 | 234259 | 508501 | 1041084 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,4-Trichlorobenzene | DCB | Ave | 34383<br>1397752 | 66602 | 195939 | 417681 | 858404 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 74846

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2013 09:40 Calibration End Date: 02/11/2013 11:29 Calibration ID: 13632

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorobutadiene | DCB | Ave | 19338 | 38183 | 98344 | 201081 | 373690 | 1.00 | 2.00 | 5.00 | 10.0 | 20.0 |
| Naphthalene | DCB | Lin1 | 57893 | 117863 | 387943 | 940914 | 1998696 | 1.00 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2,3-Trichlorobenzene | DCB | Ave | 31467 | 65404 | 169240 | 369445 | 721924 | 1.00 | 2.00 | 5.00 | 10.0 | 20.0 |
| Dibromofluoromethane (Surr) | FB | Ave | 38363<br>1979632 | 83239 | 214896 | 457718 | 949390 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 57949<br>2465374 | 110040 | 291369 | 587273 | 1191566 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| Toluene-d8 (Surr) | CBZ | Ave | 136003<br>7691331 | 286306 | 798322 | 1732294 | 3676610 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |
| 4-Bromofluorobenzene (Surr) | CBZ | Ave | 46466<br>2354903 | 90280 | 259136 | 575854 | 1183357 | 1.00<br>40.0 | 2.00 | 5.00 | 10.0 | 20.0 |

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2336.D | | |
| Lims ID: | STD8260 L6 | Client ID: | |
| Inject. Date: | 11-Feb-2013 09:40:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 6 |
| Sample ID: | 240-0017255-002 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 2 |
| Sublist: | chrom-8260_10*sub25 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m | | |
| Last Update: | 11-Feb-2013 15:28:04 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK037 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.197 | 0.010 | 99 | 1732526 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.880 | 7.882 | -0.002 | 82 | 1239038 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.115 | 10.117 | -0.002 | 72 | 697193 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.627 | 4.627 | 0.0 | 57 | 1979632 | 41.8 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.911 | 4.911 | 0.0 | 0 | 2465374 | 39.2 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.567 | 6.567 | 0.0 | 93 | 7691331 | 44.0 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.980 | 8.980 | 0.0 | 94 | 2354903 | 41.7 | |
| 12 Dichlorodifluoromethane | 85 | 1.563 | 1.563 | 0.0 | 99 | 1612779 | 35.8 | |
| 13 Chloromethane | 50 | 1.693 | 1.694 | -0.001 | 89 | 2283772 | 35.1 | |
| 14 Vinyl chloride | 62 | 1.800 | 1.788 | 0.012 | 83 | 2344606 | 35.8 | |
| 16 Bromomethane | 94 | 2.084 | 2.084 | 0.0 | 90 | 1355016 | 36.5 | |
| 17 Chloroethane | 64 | 2.178 | 2.167 | 0.011 | 95 | 1584633 | 37.1 | |
| 19 Trichlorofluoromethane | 101 | 2.391 | 2.391 | 0.0 | 99 | 2920874 | 38.7 | |
| 21 Acrolein | 56 | 2.699 | 2.699 | 0.0 | 96 | 2726685 | 401.8 | |
| 23 1,1-Dichloroethene | 96 | 2.805 | 2.805 | 0.0 | 90 | 2086394 | 41.4 | |
| 24 Acetone | 43 | 2.829 | 2.817 | 0.012 | 60 | 916229 | 70.0 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.829 | 2.829 | 0.0 | 84 | 1522901 | 39.0 | |
| 26 Iodomethane | 142 | 2.935 | 2.936 | -0.001 | 99 | 2960121 | 39.4 | |
| 27 Carbon disulfide | 76 | 3.006 | 3.007 | -0.001 | 99 | 5985865 | 43.7 | |
| 28 Acetonitrile | 41 | 3.042 | 3.054 | -0.012 | 99 | 1084164 | 324.3 | |
| 30 Methyl acetate | 43 | 3.101 | 3.101 | 0.0 | 95 | 2447963 | 80.0 | |
| 31 Methylene Chloride | 84 | 3.196 | 3.184 | 0.012 | 84 | 2090314 | 40.5 | |
| 32 2-Methyl-2-propanol | 59 | 3.267 | 3.255 | 0.012 | 99 | 1646564 | 687.7 | |
| 33 Acrylonitrile | 53 | 3.373 | 3.373 | 0.0 | 99 | 1230801 | 81.7 | |
| 35 Methyl tert-butyl ether | 73 | 3.432 | 3.421 | 0.011 | 87 | 5793939 | 42.6 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.432 | 3.432 | 0.0 | 64 | 2159160 | 42.0 | |
| 36 Hexane | 86 | 3.657 | 3.657 | 0.0 | 92 | 442045 | 43.0 | |
| 37 1,1-Dichloroethane | 63 | 3.763 | 3.764 | -0.001 | 86 | 3529413 | 42.1 | |
| 38 Vinyl acetate | 86 | 3.799 | 3.787 | 0.012 | 97 | 352254 | 41.5 | |
| 42 2-Butanone (MEK) | 43 | 4.237 | 4.237 | 0.0 | 94 | 1269506 | 78.9 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.248 | 4.249 | 0.0 | 70 | 2208722 | 42.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.248 | 4.249 | 0.0 | 87 | 2167205 | 41.0 | |
| 48 Chlorobromomethane | 128 | 4.438 | 4.438 | 0.0 | 91 | 1042159 | 39.8 | |
| 49 Tetrahydrofuran | 42 | 4.485 | 4.485 | 0.0 | 90 | 394736 | 36.8 | |
| 50 Chloroform | 83 | 4.497 | 4.497 | 0.0 | 82 | 3608876 | 41.1 | |
| 51 1,1,1-Trichloroethane | 97 | 4.674 | 4.674 | 0.0 | 90 | 2972346 | 41.6 | |
| 52 Cyclohexane | 56 | 4.733 | 4.733 | 0.0 | 88 | 3035955 | 43.5 | |
| 53 1,1-Dichloropropene | 75 | 4.804 | 4.804 | 0.0 | 93 | 2763082 | 43.2 | |
| 54 Carbon tetrachloride | 117 | 4.816 | 4.816 | 0.0 | 77 | 2774316 | 42.8 | |
| 56 1,2-Dichloroethane | 62 | 4.982 | 4.982 | 0.0 | 53 | 2755430 | 40.2 | |
| 57 Benzene | 78 | 4.982 | 4.982 | 0.0 | 95 | 8257796 | 42.4 | |
| 61 Trichloroethene | 130 | 5.514 | 5.514 | 0.0 | 93 | 2089733 | 40.4 | |
| 63 Methylcyclohexane | 83 | 5.703 | 5.692 | 0.011 | 85 | 2959150 | 44.1 | |
| 64 1,2-Dichloropropane | 63 | 5.703 | 5.703 | 0.0 | 75 | 1813117 | 41.9 | |
| 66 Dibromomethane | 93 | 5.798 | 5.798 | 0.0 | 88 | 1111551 | 40.6 | |
| 67 1,4-Dioxane | 88 | 5.810 | 5.810 | 0.0 | 85 | 405331 | 2003.2 | |
| 68 Dichlorobromomethane | 83 | 5.928 | 5.928 | 0.0 | 94 | 2551315 | 43.6 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.165 | 6.165 | 0.0 | 91 | 1967635 | 80.8 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.318 | 6.307 | 0.011 | 92 | 2944224 | 46.1 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.437 | 6.437 | 0.0 | 96 | 2663159 | 86.5 | |
| 73 Toluene | 91 | 6.626 | 6.626 | 0.0 | 91 | 9035351 | 45.2 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.792 | 6.792 | 0.0 | 90 | 2618578 | 48.4 | |
| 75 Ethyl methacrylate | 69 | 6.874 | 6.874 | 0.0 | 87 | 2136193 | 41.9 | |
| 76 1,1,2-Trichloroethane | 97 | 6.969 | 6.957 | 0.012 | 86 | 1538330 | 41.6 | |
| 77 1,3-Dichloropropane | 76 | 7.123 | 7.123 | 0.0 | 89 | 2807022 | 43.2 | |
| 78 Tetrachloroethene | 164 | 7.123 | 7.123 | 0.0 | 92 | 1726722 | 40.4 | |
| 79 2-Hexanone | 43 | 7.182 | 7.182 | 0.0 | 96 | 1695022 | 88.8 | |
| 81 Chlorodibromomethane | 129 | 7.336 | 7.336 | 0.0 | 89 | 1827771 | 48.2 | |
| 83 Ethylene Dibromide | 107 | 7.442 | 7.442 | 0.0 | 98 | 1518983 | 42.7 | |
| 85 Chlorobenzene | 112 | 7.903 | 7.904 | -0.001 | 94 | 5207238 | 41.5 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.974 | 7.975 | 0.0 | 92 | 1868283 | 42.0 | |
| 87 Ethylbenzene | 106 | 7.998 | 7.998 | 0.0 | 98 | 2848248 | 43.3 | |
| 88 m-Xylene & p-Xylene | 106 | 8.116 | 8.105 | 0.011 | 100 | 7466739 | 91.3 | |
| 89 o-Xylene | 106 | 8.495 | 8.483 | 0.012 | 89 | 3439216 | 44.3 | |
| 90 Styrene | 104 | 8.495 | 8.495 | 0.0 | 92 | 5901079 | 41.4 | |
| 91 Bromoform | 173 | 8.672 | 8.672 | 0.0 | 96 | 1069553 | 41.7 | |
| 92 Isopropylbenzene | 105 | 8.838 | 8.838 | 0.0 | 95 | 8439689 | 45.7 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.098 | 9.098 | 0.0 | 82 | 1735808 | 39.5 | |
| 96 Bromobenzene | 156 | 9.145 | 9.146 | -0.001 | 91 | 2211067 | 41.9 | |
| 97 1,2,3-Trichloropropane | 110 | 9.157 | 9.157 | 0.0 | 70 | 606316 | 39.8 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.157 | 9.157 | 0.0 | 68 | 507453 | 42.2 | |
| 99 N-Propylbenzene | 120 | 9.240 | 9.240 | 0.0 | 97 | 2178059 | 43.3 | |
| 100 2-Chlorotoluene | 126 | 9.323 | 9.323 | 0.0 | 96 | 1901176 | 41.4 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.406 | 9.406 | 0.0 | 92 | 6374639 | 44.2 | |
| 102 4-Chlorotoluene | 126 | 9.429 | 9.429 | 0.0 | 98 | 2149849 | 42.4 | |
| 103 tert-Butylbenzene | 119 | 9.737 | 9.725 | 0.012 | 81 | 4969183 | 40.5 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.772 | 9.772 | 0.0 | 96 | 6370324 | 43.6 | |
| 105 sec-Butylbenzene | 105 | 9.950 | 9.950 | 0.0 | 93 | 6775816 | 43.1 | |
| 106 1,3-Dichlorobenzene | 146 | 10.056 | 10.056 | 0.0 | 90 | 3846383 | 41.2 | |
| 107 4-Isopropyltoluene | 119 | 10.092 | 10.092 | 0.0 | 95 | 5693826 | 43.2 | |
| 108 1,4-Dichlorobenzene | 146 | 10.139 | 10.139 | 0.0 | 93 | 4099508 | 40.5 | |
| 110 n-Butylbenzene | 91 | 10.494 | 10.494 | 0.0 | 95 | 4679601 | 44.4 | |
| 111 1,2-Dichlorobenzene | 146 | 10.518 | 10.518 | 0.0 | 97 | 3464540 | 39.5 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.286 | 11.275 | 0.011 | 88 | 215482 | 36.7 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.511 | 11.499 | 0.012 | 97 | 1748925 | 34.8 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.126 | 12.126 | 0.0 | 93 | 1397752 | 34.4 | |
| 115 Hexachlorobutadiene | 225 | 12.304 | 12.292 | 0.012 | 92 | 500997 | 23.5 | |
| 116 Naphthalene | 128 | 12.363 | 12.363 | 0.0 | 100 | 2665480 | 27.3 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.623 | 12.623 | 0.0 | 99 | 933640 | 24.9 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 174.7 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 84.1 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 94.5 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 135.6 | |

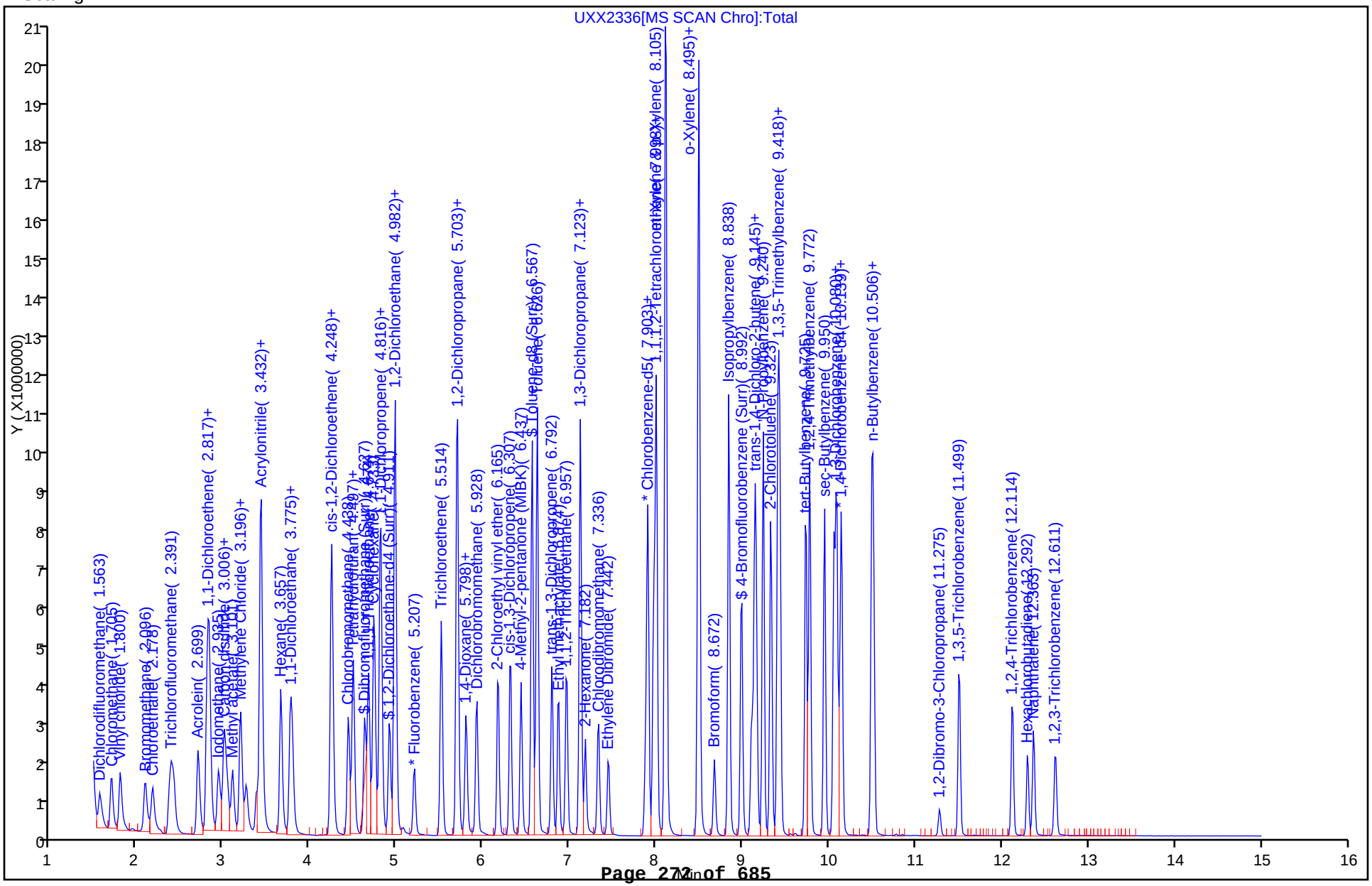
Report Date: 11-Feb-2013 15:28:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2336.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 09:40:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 2 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2337.D | | |
| Lims ID: | STD8260 L5 | Client ID: | |
| Inject. Date: | 11-Feb-2013 10:02:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 5 |
| Sample ID: | 240-0017255-003 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 2 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 3 |
| Sublist: | chrom-8260_10*sub25 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m | | |
| Last Update: | 11-Feb-2013 15:28:06 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK037 | | |
| First Level Reviewer: quayler | | Date: | 11-Feb-2013 10:27:12 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.197 | 0.010 | 99 | 1701476 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.882 | -0.001 | 84 | 1241140 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.116 | 10.117 | -0.001 | 79 | 706374 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.627 | 0.001 | 58 | 949390 | 20.4 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.911 | 0.001 | 0 | 1191566 | 19.3 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.567 | 0.001 | 84 | 3676610 | 21.0 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.980 | 0.001 | 94 | 1183357 | 20.9 | |
| 12 Dichlorodifluoromethane | 85 | 1.564 | 1.563 | 0.001 | 87 | 826873 | 18.7 | |
| 13 Chloromethane | 50 | 1.694 | 1.694 | 0.0 | 89 | 1165612 | 18.3 | |
| 14 Vinyl chloride | 62 | 1.789 | 1.788 | 0.001 | 83 | 1200783 | 18.7 | |
| 16 Bromomethane | 94 | 2.085 | 2.084 | 0.001 | 91 | 658435 | 18.0 | |
| 17 Chloroethane | 64 | 2.168 | 2.167 | 0.001 | 95 | 794417 | 19.0 | |
| 19 Trichlorofluoromethane | 101 | 2.392 | 2.391 | 0.001 | 98 | 1465804 | 19.8 | |
| 21 Acrolein | 56 | 2.700 | 2.699 | 0.001 | 96 | 1245251 | 186.8 | |
| 23 1,1-Dichloroethene | 96 | 2.806 | 2.805 | 0.001 | 98 | 967191 | 19.6 | |
| 24 Acetone | 43 | 2.818 | 2.817 | 0.001 | 61 | 466376 | 36.3 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.830 | 2.829 | 0.001 | 82 | 716113 | 18.7 | |
| 26 Iodomethane | 142 | 2.936 | 2.936 | 0.0 | 99 | 1502047 | 20.4 | |
| 27 Carbon disulfide | 76 | 3.007 | 3.007 | 0.0 | 100 | 2875235 | 21.4 | |
| 28 Acetonitrile | 41 | 3.043 | 3.054 | -0.011 | 100 | 609424 | 185.6 | |
| 30 Methyl acetate | 43 | 3.102 | 3.101 | 0.001 | 95 | 1208192 | 40.2 | |
| 31 Methylene Chloride | 84 | 3.197 | 3.184 | 0.013 | 82 | 1035791 | 20.1 | |
| 32 2-Methyl-2-propanol | 59 | 3.256 | 3.255 | 0.001 | 99 | 901774 | 383.5 | |
| 33 Acrylonitrile | 53 | 3.374 | 3.373 | 0.001 | 99 | 602442 | 40.7 | |
| 35 Methyl tert-butyl ether | 73 | 3.421 | 3.421 | 0.0 | 89 | 2824740 | 21.1 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.433 | 3.432 | 0.001 | 65 | 1053351 | 20.9 | |
| 36 Hexane | 86 | 3.658 | 3.657 | 0.001 | 93 | 211442 | 21.0 | |
| 37 1,1-Dichloroethane | 63 | 3.764 | 3.764 | 0.0 | 97 | 1714198 | 20.8 | |
| 38 Vinyl acetate | 86 | 3.788 | 3.787 | 0.001 | 97 | 161048 | 19.6 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 42 2-Butanone (MEK) | 43 | 4.238 | 4.237 | 0.001 | 94 | 622243 | 39.4 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.238 | 4.249 | -0.010 | 71 | 1080935 | 21.0 | |
| 44 2,2-Dichloropropane | 77 | 4.249 | 4.249 | 0.001 | 90 | 1125685 | 21.7 | |
| 48 Chlorobromomethane | 128 | 4.439 | 4.438 | 0.001 | 92 | 511819 | 19.9 | |
| 49 Tetrahydrofuran | 42 | 4.486 | 4.485 | 0.001 | 96 | 198619 | 18.8 | |
| 50 Chloroform | 83 | 4.498 | 4.497 | 0.001 | 82 | 1763227 | 20.5 | |
| 51 1,1,1-Trichloroethane | 97 | 4.675 | 4.674 | 0.001 | 89 | 1449601 | 20.6 | |
| 52 Cyclohexane | 56 | 4.734 | 4.733 | 0.001 | 88 | 1453987 | 21.2 | |
| 53 1,1-Dichloropropene | 75 | 4.805 | 4.804 | 0.001 | 94 | 1366090 | 21.7 | |
| 54 Carbon tetrachloride | 117 | 4.817 | 4.816 | 0.001 | 80 | 1341614 | 21.1 | |
| 56 1,2-Dichloroethane | 62 | 4.971 | 4.982 | -0.011 | 50 | 1343816 | 20.0 | |
| 57 Benzene | 78 | 4.983 | 4.982 | 0.001 | 95 | 3954813 | 20.7 | |
| 61 Trichloroethene | 130 | 5.515 | 5.514 | 0.001 | 94 | 1012355 | 19.9 | |
| 63 Methylcyclohexane | 83 | 5.692 | 5.692 | 0.0 | 85 | 1383521 | 21.0 | |
| 64 1,2-Dichloropropane | 63 | 5.704 | 5.703 | 0.001 | 74 | 883052 | 20.8 | |
| 66 Dibromomethane | 93 | 5.799 | 5.798 | 0.001 | 87 | 548268 | 20.4 | |
| 67 1,4-Dioxane | 88 | 5.811 | 5.810 | 0.001 | 87 | 236621 | 982.5 | |
| 68 Dichlorobromomethane | 83 | 5.929 | 5.928 | 0.001 | 91 | 1223988 | 21.3 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.166 | 6.165 | 0.001 | 92 | 959535 | 40.6 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.308 | 6.307 | 0.001 | 91 | 1436549 | 22.9 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.438 | 6.437 | 0.001 | 96 | 1332877 | 44.1 | |
| 73 Toluene | 91 | 6.627 | 6.626 | 0.001 | 91 | 4272377 | 21.3 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.792 | 6.792 | 0.0 | 90 | 1190659 | 22.0 | |
| 75 Ethyl methacrylate | 69 | 6.863 | 6.874 | -0.011 | 87 | 980983 | 19.6 | |
| 76 1,1,2-Trichloroethane | 97 | 6.958 | 6.957 | 0.001 | 87 | 760661 | 20.5 | |
| 77 1,3-Dichloropropane | 76 | 7.124 | 7.123 | 0.001 | 88 | 1378995 | 21.2 | |
| 78 Tetrachloroethene | 164 | 7.124 | 7.123 | 0.001 | 85 | 836303 | 19.5 | |
| 79 2-Hexanone | 43 | 7.183 | 7.182 | 0.001 | 95 | 845702 | 44.2 | |
| 81 Chlorodibromomethane | 129 | 7.337 | 7.336 | 0.001 | 87 | 849473 | 22.4 | |
| 83 Ethylene Dibromide | 107 | 7.443 | 7.442 | 0.001 | 98 | 753853 | 21.1 | |
| 85 Chlorobenzene | 112 | 7.904 | 7.904 | 0.0 | 95 | 2579267 | 20.5 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.975 | 7.975 | 0.001 | 81 | 947525 | 21.3 | |
| 87 Ethylbenzene | 106 | 7.999 | 7.998 | 0.001 | 98 | 1420918 | 21.6 | |
| 88 m-Xylene & p-Xylene | 106 | 8.105 | 8.105 | 0.0 | 100 | 3594811 | 43.9 | |
| 89 o-Xylene | 106 | 8.484 | 8.483 | 0.001 | 91 | 1712948 | 22.0 | |
| 90 Styrene | 104 | 8.496 | 8.495 | 0.001 | 91 | 2773633 | 19.7 | |
| 91 Bromoform | 173 | 8.673 | 8.672 | 0.001 | 97 | 493517 | 19.5 | |
| 92 Isopropylbenzene | 105 | 8.839 | 8.838 | 0.001 | 95 | 4187427 | 22.6 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.099 | 9.098 | 0.001 | 89 | 920484 | 20.7 | |
| 96 Bromobenzene | 156 | 9.146 | 9.146 | 0.0 | 91 | 1127457 | 21.1 | |
| 97 1,2,3-Trichloropropane | 110 | 9.158 | 9.157 | 0.001 | 71 | 315500 | 20.5 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.158 | 9.157 | 0.001 | 71 | 226226 | 18.9 | |
| 99 N-Propylbenzene | 120 | 9.241 | 9.240 | 0.001 | 97 | 1093175 | 21.5 | |
| 100 2-Chlorotoluene | 126 | 9.324 | 9.323 | 0.001 | 96 | 977161 | 21.0 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.407 | 9.406 | 0.001 | 93 | 3265088 | 22.3 | |
| 102 4-Chlorotoluene | 126 | 9.430 | 9.429 | 0.001 | 98 | 1078873 | 21.0 | |
| 103 tert-Butylbenzene | 119 | 9.726 | 9.725 | 0.001 | 90 | 2896404 | 23.3 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.773 | 9.772 | 0.001 | 81 | 3263786 | 22.1 | |
| 105 sec-Butylbenzene | 105 | 9.951 | 9.950 | 0.001 | 93 | 3417646 | 21.4 | |
| 106 1,3-Dichlorobenzene | 146 | 10.057 | 10.056 | 0.001 | 96 | 1941050 | 20.5 | |
| 107 4-Isopropyltoluene | 119 | 10.081 | 10.092 | -0.011 | 95 | 2934627 | 22.0 | |
| 108 1,4-Dichlorobenzene | 146 | 10.140 | 10.139 | 0.001 | 93 | 2064818 | 20.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 n-Butylbenzene | 91 | 10.495 | 10.494 | 0.001 | 94 | 2385363 | 22.3 | |
| 111 1,2-Dichlorobenzene | 146 | 10.518 | 10.518 | 0.0 | 97 | 1840700 | 20.7 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.275 | 11.275 | 0.0 | 80 | 128659 | 21.6 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.500 | 11.499 | 0.001 | 97 | 1041084 | 20.5 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.115 | 12.126 | -0.011 | 93 | 858404 | 20.8 | |
| 115 Hexachlorobutadiene | 225 | 12.293 | 12.292 | 0.001 | 92 | 373690 | 17.3 | |
| 116 Naphthalene | 128 | 12.364 | 12.363 | 0.001 | 100 | 1998696 | 20.3 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.624 | 12.623 | 0.001 | 99 | 721924 | 19.0 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 83.6 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 41.9 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 44.9 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 65.9 | |

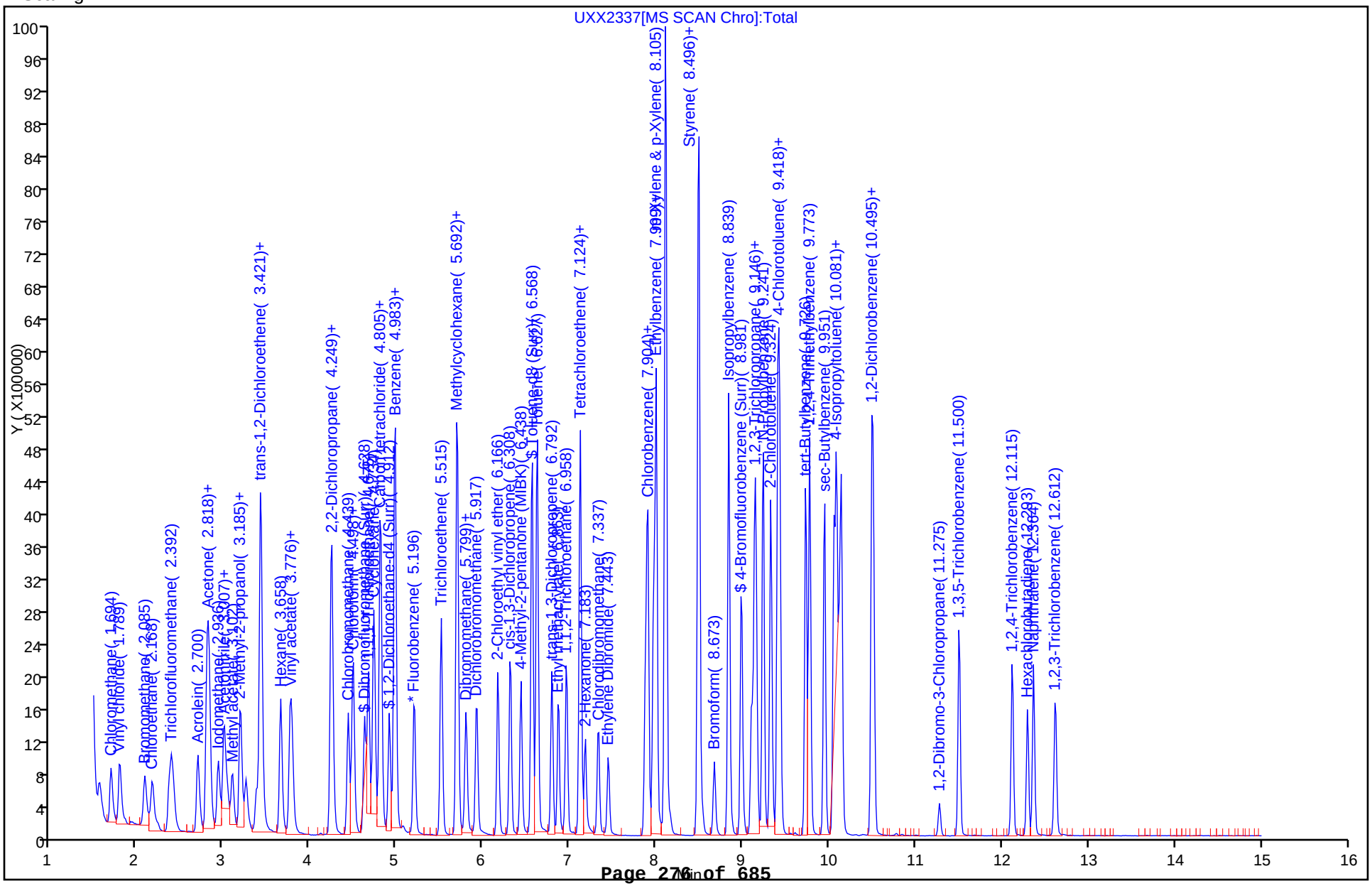
Report Date: 11-Feb-2013 15:28:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2337.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 10:02:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 3 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2338.D | | |
| Lims ID: | STD8260 L4 | Client ID: | |
| Inject. Date: | 11-Feb-2013 10:24:30 | Dil. Factor: | 1.0000 |
| Sample Type: | ICIS | Calib Level: | 4 |
| Sample ID: | 240-0017255-004 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 3 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 4 |
| Sublist: | chrom-8260_10*sub25 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m | | |
| Last Update: | 11-Feb-2013 15:28:07 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK037 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.207 | 0.0 | 99 | 1676113 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.880 | 7.880 | 0.0 | 84 | 1251917 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.115 | 10.115 | 0.0 | 79 | 686055 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.627 | 4.627 | 0.0 | 56 | 457718 | 9.98 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.911 | 4.911 | 0.0 | 0 | 587273 | 9.65 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.567 | 6.567 | 0.0 | 83 | 1732294 | 9.80 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.980 | 8.980 | 0.0 | 94 | 575854 | 10.1 | |
| 12 Dichlorodifluoromethane | 85 | 1.563 | 1.563 | 0.0 | 95 | 422771 | 9.71 | |
| 13 Chloromethane | 50 | 1.694 | 1.694 | 0.0 | 89 | 588377 | 9.35 | |
| 14 Vinyl chloride | 62 | 1.788 | 1.788 | 0.0 | 83 | 634059 | 10.0 | |
| 16 Bromomethane | 94 | 2.084 | 2.084 | 0.0 | 91 | 356684 | 9.92 | |
| 17 Chloroethane | 64 | 2.167 | 2.167 | 0.0 | 94 | 399316 | 9.68 | |
| 19 Trichlorofluoromethane | 101 | 2.391 | 2.391 | 0.0 | 97 | 718173 | 9.82 | |
| 21 Acrolein | 56 | 2.699 | 2.699 | 0.0 | 96 | 717190 | 109.2 | |
| 23 1,1-Dichloroethene | 96 | 2.805 | 2.805 | 0.0 | 90 | 482106 | 9.90 | |
| 24 Acetone | 43 | 2.817 | 2.817 | 0.0 | 66 | 263330 | 20.8 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.829 | 2.829 | 0.0 | 83 | 374966 | 9.92 | |
| 26 Iodomethane | 142 | 2.936 | 2.936 | 0.0 | 98 | 705085 | 9.70 | |
| 27 Carbon disulfide | 76 | 3.007 | 3.007 | 0.0 | 99 | 1312044 | 9.91 | |
| 28 Acetonitrile | 41 | 3.054 | 3.054 | 0.0 | 97 | 383260 | 118.5 | |
| 30 Methyl acetate | 43 | 3.101 | 3.101 | 0.0 | 95 | 602853 | 20.4 | |
| 31 Methylene Chloride | 84 | 3.184 | 3.184 | 0.0 | 92 | 505062 | 9.56 | |
| 32 2-Methyl-2-propanol | 59 | 3.255 | 3.255 | 0.0 | 95 | 515928 | 222.7 | |
| 33 Acrylonitrile | 53 | 3.373 | 3.373 | 0.0 | 98 | 310318 | 21.3 | |
| 35 Methyl tert-butyl ether | 73 | 3.421 | 3.421 | 0.0 | 89 | 1309166 | 9.95 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.432 | 3.432 | 0.0 | 66 | 498447 | 10.0 | |
| 36 Hexane | 86 | 3.657 | 3.657 | 0.0 | 92 | 98820 | 9.94 | |
| 37 1,1-Dichloroethane | 63 | 3.764 | 3.764 | 0.0 | 97 | 808515 | 9.98 | |
| 38 Vinyl acetate | 86 | 3.787 | 3.787 | 0.0 | 98 | 72992 | 9.32 | |
| 42 2-Butanone (MEK) | 43 | 4.237 | 4.237 | 0.0 | 90 | 314490 | 20.2 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.249 | 4.249 | 0.0 | 84 | 514256 | 10.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.249 | 4.249 | 0.0 | 90 | 515277 | 10.1 | |
| 48 Chlorobromomethane | 128 | 4.438 | 4.438 | 0.0 | 89 | 249012 | 9.84 | |
| 49 Tetrahydrofuran | 42 | 4.485 | 4.485 | 0.0 | 91 | 105516 | 10.2 | |
| 50 Chloroform | 83 | 4.497 | 4.497 | 0.0 | 81 | 825696 | 9.73 | |
| 51 1,1,1-Trichloroethane | 97 | 4.674 | 4.674 | 0.0 | 90 | 706616 | 10.2 | |
| 52 Cyclohexane | 56 | 4.733 | 4.733 | 0.0 | 88 | 716370 | 10.6 | |
| 53 1,1-Dichloropropene | 75 | 4.804 | 4.804 | 0.0 | 93 | 638519 | 10.3 | |
| 54 Carbon tetrachloride | 117 | 4.816 | 4.816 | 0.0 | 80 | 627337 | 10.0 | |
| 56 1,2-Dichloroethane | 62 | 4.982 | 4.982 | 0.0 | 54 | 668927 | 10.1 | |
| 57 Benzene | 78 | 4.982 | 4.982 | 0.0 | 95 | 1896559 | 10.1 | |
| 61 Trichloroethene | 130 | 5.514 | 5.514 | 0.0 | 92 | 499380 | 9.98 | |
| 63 Methylcyclohexane | 83 | 5.692 | 5.692 | 0.0 | 85 | 680532 | 10.5 | |
| 64 1,2-Dichloropropane | 63 | 5.703 | 5.703 | 0.0 | 75 | 423156 | 10.1 | |
| 66 Dibromomethane | 93 | 5.798 | 5.798 | 0.0 | 88 | 271704 | 10.3 | |
| 67 1,4-Dioxane | 88 | 5.810 | 5.810 | 0.0 | 72 | 136130 | 548.0 | |
| 68 Dichlorobromomethane | 83 | 5.928 | 5.928 | 0.0 | 91 | 577442 | 10.2 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.165 | 6.165 | 0.0 | 92 | 441117 | 19.4 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.307 | 6.307 | 0.0 | 91 | 646738 | 10.5 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.437 | 6.437 | 0.0 | 96 | 648530 | 21.8 | |
| 73 Toluene | 91 | 6.626 | 6.626 | 0.0 | 98 | 2002032 | 9.91 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.792 | 6.792 | 0.0 | 94 | 552962 | 10.1 | |
| 75 Ethyl methacrylate | 69 | 6.874 | 6.874 | 0.0 | 87 | 436321 | 9.01 | |
| 76 1,1,2-Trichloroethane | 97 | 6.957 | 6.957 | 0.0 | 87 | 368206 | 9.86 | |
| 77 1,3-Dichloropropane | 76 | 7.123 | 7.123 | 0.0 | 88 | 653985 | 9.95 | |
| 78 Tetrachloroethene | 164 | 7.123 | 7.123 | 0.0 | 83 | 410810 | 9.51 | |
| 79 2-Hexanone | 43 | 7.182 | 7.182 | 0.0 | 96 | 401680 | 20.8 | |
| 81 Chlorodibromomethane | 129 | 7.336 | 7.336 | 0.0 | 88 | 390782 | 10.2 | |
| 83 Ethylene Dibromide | 107 | 7.442 | 7.442 | 0.0 | 98 | 362626 | 10.1 | |
| 85 Chlorobenzene | 112 | 7.904 | 7.904 | 0.0 | 95 | 1245544 | 9.82 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.975 | 7.975 | 0.0 | 81 | 445241 | 9.91 | |
| 87 Ethylbenzene | 106 | 7.998 | 7.998 | 0.0 | 98 | 665620 | 10.0 | |
| 88 m-Xylene & p-Xylene | 106 | 8.105 | 8.105 | 0.0 | 100 | 1684340 | 20.4 | |
| 89 o-Xylene | 106 | 8.483 | 8.483 | 0.0 | 93 | 808742 | 10.3 | |
| 90 Styrene | 104 | 8.495 | 8.495 | 0.0 | 90 | 1268321 | 9.21 | |
| 91 Bromoform | 173 | 8.672 | 8.672 | 0.0 | 96 | 225071 | 9.08 | |
| 92 Isopropylbenzene | 105 | 8.838 | 8.838 | 0.0 | 96 | 1929321 | 10.3 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.098 | 9.098 | 0.0 | 95 | 432462 | 10.0 | |
| 96 Bromobenzene | 156 | 9.146 | 9.146 | 0.0 | 91 | 520704 | 10.0 | |
| 97 1,2,3-Trichloropropane | 110 | 9.157 | 9.157 | 0.0 | 76 | 152152 | 10.2 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.157 | 9.157 | 0.0 | 70 | 101961 | 9.04 | |
| 99 N-Propylbenzene | 120 | 9.240 | 9.240 | 0.0 | 98 | 519734 | 10.5 | |
| 100 2-Chlorotoluene | 126 | 9.323 | 9.323 | 0.0 | 96 | 468144 | 10.4 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.406 | 9.406 | 0.0 | 93 | 1494473 | 10.5 | |
| 102 4-Chlorotoluene | 126 | 9.429 | 9.429 | 0.0 | 99 | 526800 | 10.6 | |
| 103 tert-Butylbenzene | 119 | 9.725 | 9.725 | 0.0 | 91 | 1207477 | 10.0 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.772 | 9.772 | 0.0 | 94 | 1545228 | 10.7 | |
| 105 sec-Butylbenzene | 105 | 9.950 | 9.950 | 0.0 | 93 | 1633507 | 10.6 | |
| 106 1,3-Dichlorobenzene | 146 | 10.056 | 10.056 | 0.0 | 95 | 938855 | 10.2 | |
| 107 4-Isopropyltoluene | 119 | 10.092 | 10.092 | 0.0 | 94 | 1367044 | 10.5 | |
| 108 1,4-Dichlorobenzene | 146 | 10.139 | 10.139 | 0.0 | 92 | 974082 | 9.78 | |
| 110 n-Butylbenzene | 91 | 10.494 | 10.494 | 0.0 | 95 | 1095828 | 10.6 | |
| 111 1,2-Dichlorobenzene | 146 | 10.518 | 10.518 | 0.0 | 99 | 858743 | 9.95 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.275 | 11.275 | 0.0 | 71 | 60216 | 10.4 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.499 | 11.499 | 0.0 | 95 | 508501 | 10.3 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.126 | 12.126 | 0.0 | 92 | 417681 | 10.4 | |
| 115 Hexachlorobutadiene | 225 | 12.292 | 12.292 | 0.0 | 93 | 201081 | 9.59 | |
| 116 Naphthalene | 128 | 12.363 | 12.363 | 0.0 | 100 | 940914 | 10.1 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.623 | 12.623 | 0.0 | 99 | 369445 | 10.0 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 39.2 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 20.2 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 20.6 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 30.7 | |

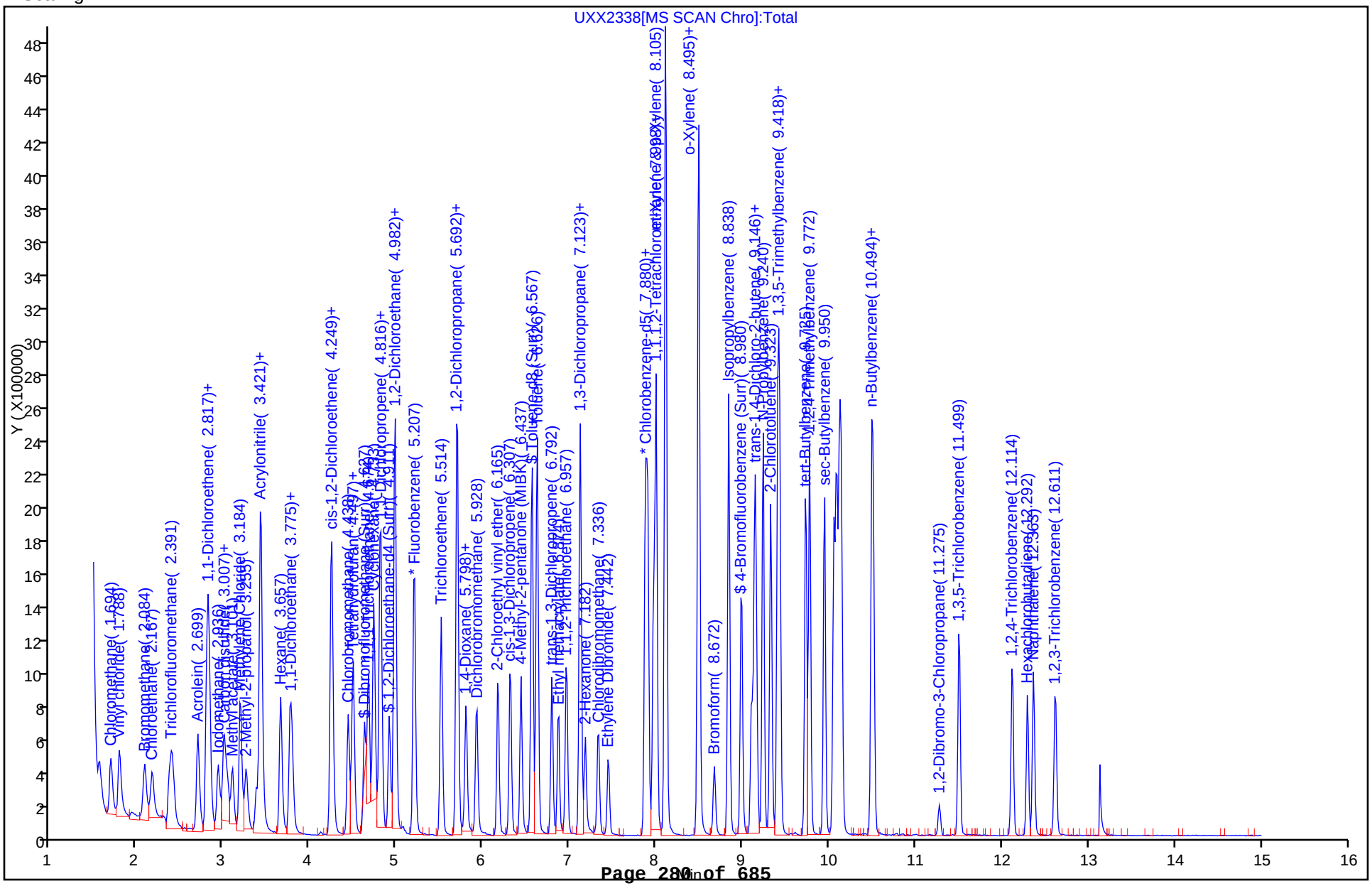
Report Date: 11-Feb-2013 15:28:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2338.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 10:24:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 4 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2339.D | | |
| Lims ID: | STD8260 L3 | Client ID: | |
| Inject. Date: | 11-Feb-2013 10:45:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 3 |
| Sample ID: | 240-0017255-005 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 4 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 5 |
| Sublist: | chrom-8260_10*sub25 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m | | |
| Last Update: | 11-Feb-2013 15:28:08 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK037 | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.208 | 5.207 | 0.001 | 99 | 1626351 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.880 | 0.001 | 85 | 1154772 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.115 | 0.002 | 93 | 637943 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.627 | 0.001 | 56 | 214896 | 4.83 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.911 | 0.001 | 0 | 291369 | 4.94 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.567 | 0.001 | 93 | 798322 | 4.90 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.980 | 0.001 | 93 | 259136 | 4.92 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.563 | 0.002 | 84 | 212788 | 5.03 | |
| 13 Chloromethane | 50 | 1.695 | 1.694 | 0.001 | 99 | 313223 | 5.13 | |
| 14 Vinyl chloride | 62 | 1.789 | 1.788 | 0.001 | 83 | 308318 | 5.01 | |
| 16 Bromomethane | 94 | 2.085 | 2.084 | 0.001 | 91 | 174292 | 4.99 | |
| 17 Chloroethane | 64 | 2.168 | 2.167 | 0.001 | 94 | 192997 | 4.82 | |
| 19 Trichlorofluoromethane | 101 | 2.381 | 2.391 | -0.010 | 97 | 350078 | 4.94 | |
| 21 Acrolein | 56 | 2.700 | 2.699 | 0.001 | 97 | 326849 | 51.3 | |
| 23 1,1-Dichloroethene | 96 | 2.807 | 2.805 | 0.002 | 90 | 222522 | 4.71 | |
| 24 Acetone | 43 | 2.818 | 2.817 | 0.001 | 60 | 117224 | 9.54 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.830 | 2.829 | 0.001 | 88 | 180961 | 4.93 | |
| 26 Iodomethane | 142 | 2.937 | 2.936 | 0.001 | 98 | 356535 | 5.05 | |
| 27 Carbon disulfide | 76 | 3.008 | 3.007 | 0.001 | 100 | 608757 | 4.74 | |
| 28 Acetonitrile | 41 | 3.043 | 3.054 | -0.011 | 95 | 162283 | 51.7 | |
| 30 Methyl acetate | 43 | 3.102 | 3.101 | 0.001 | 88 | 280024 | 9.75 | |
| 31 Methylene Chloride | 84 | 3.185 | 3.184 | 0.001 | 82 | 265691 | 4.85 | |
| 32 2-Methyl-2-propanol | 59 | 3.256 | 3.255 | 0.001 | 99 | 241382 | 107.4 | |
| 33 Acrylonitrile | 53 | 3.374 | 3.373 | 0.001 | 100 | 138735 | 9.81 | |
| 35 Methyl tert-butyl ether | 73 | 3.422 | 3.421 | 0.001 | 90 | 613719 | 4.81 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.434 | 3.432 | 0.002 | 70 | 233131 | 4.83 | |
| 36 Hexane | 86 | 3.658 | 3.657 | 0.001 | 92 | 46358 | 4.81 | |
| 37 1,1-Dichloroethane | 63 | 3.765 | 3.764 | 0.001 | 97 | 388808 | 4.95 | |
| 38 Vinyl acetate | 86 | 3.800 | 3.787 | 0.013 | 97 | 31052 | 4.39 | |
| 42 2-Butanone (MEK) | 43 | 4.238 | 4.237 | 0.001 | 84 | 142603 | 9.44 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.238 | 4.249 | -0.010 | 85 | 230108 | 4.67 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 44 2,2-Dichloropropane | 77 | 4.250 | 4.249 | 0.002 | 92 | 240593 | 4.85 | |
| 48 Chlorobromomethane | 128 | 4.439 | 4.438 | 0.001 | 89 | 119379 | 4.86 | |
| 49 Tetrahydrofuran | 42 | 4.486 | 4.485 | 0.001 | 26 | 47620 | 4.73 | |
| 50 Chloroform | 83 | 4.498 | 4.497 | 0.001 | 84 | 397952 | 4.83 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.674 | 0.002 | 94 | 320468 | 4.77 | |
| 52 Cyclohexane | 56 | 4.735 | 4.733 | 0.002 | 89 | 301914 | 4.61 | |
| 53 1,1-Dichloropropene | 75 | 4.806 | 4.804 | 0.002 | 92 | 289797 | 4.82 | |
| 54 Carbon tetrachloride | 117 | 4.817 | 4.816 | 0.001 | 79 | 286065 | 4.70 | |
| 56 1,2-Dichloroethane | 62 | 4.971 | 4.982 | -0.011 | 56 | 314080 | 4.88 | |
| 57 Benzene | 78 | 4.983 | 4.982 | 0.001 | 95 | 893654 | 4.89 | |
| 61 Trichloroethene | 130 | 5.515 | 5.514 | 0.001 | 96 | 233333 | 4.80 | |
| 63 Methylcyclohexane | 83 | 5.693 | 5.692 | 0.001 | 83 | 292044 | 4.64 | |
| 64 1,2-Dichloropropane | 63 | 5.693 | 5.703 | -0.010 | 74 | 198970 | 4.89 | |
| 66 Dibromomethane | 93 | 5.799 | 5.798 | 0.001 | 90 | 132479 | 5.16 | |
| 67 1,4-Dioxane | 88 | 5.799 | 5.810 | -0.011 | 40 | 45312 | 203.0 | |
| 68 Dichlorobromomethane | 83 | 5.918 | 5.928 | -0.010 | 91 | 267772 | 4.88 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.166 | 6.165 | 0.001 | 90 | 189535 | 9.10 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.308 | 6.307 | 0.001 | 88 | 291701 | 4.86 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.438 | 6.437 | 0.001 | 95 | 280359 | 9.70 | |
| 73 Toluene | 91 | 6.627 | 6.626 | 0.001 | 91 | 912562 | 4.90 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.793 | 6.792 | 0.001 | 90 | 243974 | 4.84 | |
| 75 Ethyl methacrylate | 69 | 6.864 | 6.874 | -0.010 | 86 | 181208 | 4.43 | |
| 76 1,1,2-Trichloroethane | 97 | 6.958 | 6.957 | 0.001 | 96 | 170759 | 4.96 | |
| 77 1,3-Dichloropropane | 76 | 7.124 | 7.123 | 0.001 | 86 | 296403 | 4.89 | |
| 78 Tetrachloroethene | 164 | 7.124 | 7.123 | 0.001 | 85 | 186456 | 4.68 | |
| 79 2-Hexanone | 43 | 7.183 | 7.182 | 0.001 | 96 | 177519 | 9.98 | |
| 81 Chlorodibromomethane | 129 | 7.325 | 7.336 | -0.011 | 87 | 171451 | 4.85 | |
| 83 Ethylene Dibromide | 107 | 7.443 | 7.442 | 0.001 | 95 | 163340 | 4.92 | |
| 85 Chlorobenzene | 112 | 7.905 | 7.904 | 0.001 | 96 | 568544 | 4.86 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.976 | 7.975 | 0.002 | 82 | 204551 | 4.93 | |
| 87 Ethylbenzene | 106 | 7.999 | 7.998 | 0.001 | 98 | 300889 | 4.91 | |
| 88 m-Xylene & p-Xylene | 106 | 8.106 | 8.105 | 0.001 | 100 | 751260 | 9.86 | |
| 89 o-Xylene | 106 | 8.484 | 8.483 | 0.001 | 91 | 361248 | 4.99 | |
| 90 Styrene | 104 | 8.496 | 8.495 | 0.001 | 88 | 545690 | 4.56 | |
| 91 Bromoform | 173 | 8.674 | 8.672 | 0.002 | 96 | 100599 | 4.65 | |
| 92 Isopropylbenzene | 105 | 8.839 | 8.838 | 0.001 | 96 | 849883 | 4.94 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.099 | 9.098 | 0.001 | 95 | 204670 | 5.09 | |
| 96 Bromobenzene | 156 | 9.135 | 9.146 | -0.011 | 90 | 243368 | 5.04 | |
| 97 1,2,3-Trichloropropane | 110 | 9.159 | 9.157 | 0.002 | 74 | 69390 | 4.98 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.159 | 9.157 | 0.002 | 60 | 48379 | 4.88 | |
| 99 N-Propylbenzene | 120 | 9.241 | 9.240 | 0.001 | 98 | 235858 | 5.13 | |
| 100 2-Chlorotoluene | 126 | 9.324 | 9.323 | 0.001 | 97 | 222140 | 5.28 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.407 | 9.406 | 0.001 | 95 | 679904 | 5.15 | |
| 102 4-Chlorotoluene | 126 | 9.431 | 9.429 | 0.002 | 98 | 238378 | 5.13 | |
| 103 tert-Butylbenzene | 119 | 9.726 | 9.725 | 0.001 | 92 | 621026 | 5.53 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.774 | 9.772 | 0.002 | 81 | 698410 | 5.23 | |
| 105 sec-Butylbenzene | 105 | 9.951 | 9.950 | 0.001 | 93 | 731985 | 5.09 | |
| 106 1,3-Dichlorobenzene | 146 | 10.058 | 10.056 | 0.002 | 88 | 423625 | 4.96 | |
| 107 4-Isopropyltoluene | 119 | 10.081 | 10.092 | -0.011 | 95 | 616777 | 5.11 | |
| 108 1,4-Dichlorobenzene | 146 | 10.140 | 10.139 | 0.001 | 90 | 448341 | 4.84 | |
| 110 n-Butylbenzene | 91 | 10.495 | 10.494 | 0.001 | 97 | 481979 | 4.99 | |
| 111 1,2-Dichlorobenzene | 146 | 10.507 | 10.518 | -0.011 | 95 | 399836 | 4.98 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.276 | 11.275 | 0.001 | 59 | 23604 | 4.39 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.501 | 11.499 | 0.002 | 97 | 234259 | 5.10 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.116 | 12.126 | -0.010 | 90 | 195939 | 5.27 | |
| 115 Hexachlorobutadiene | 225 | 12.293 | 12.292 | 0.001 | 91 | 98344 | 5.05 | |
| 116 Naphthalene | 128 | 12.364 | 12.363 | 0.001 | 100 | 387943 | 4.69 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.612 | 12.623 | -0.011 | 97 | 169240 | 4.94 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 19.2 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 9.51 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 9.70 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 14.9 | |

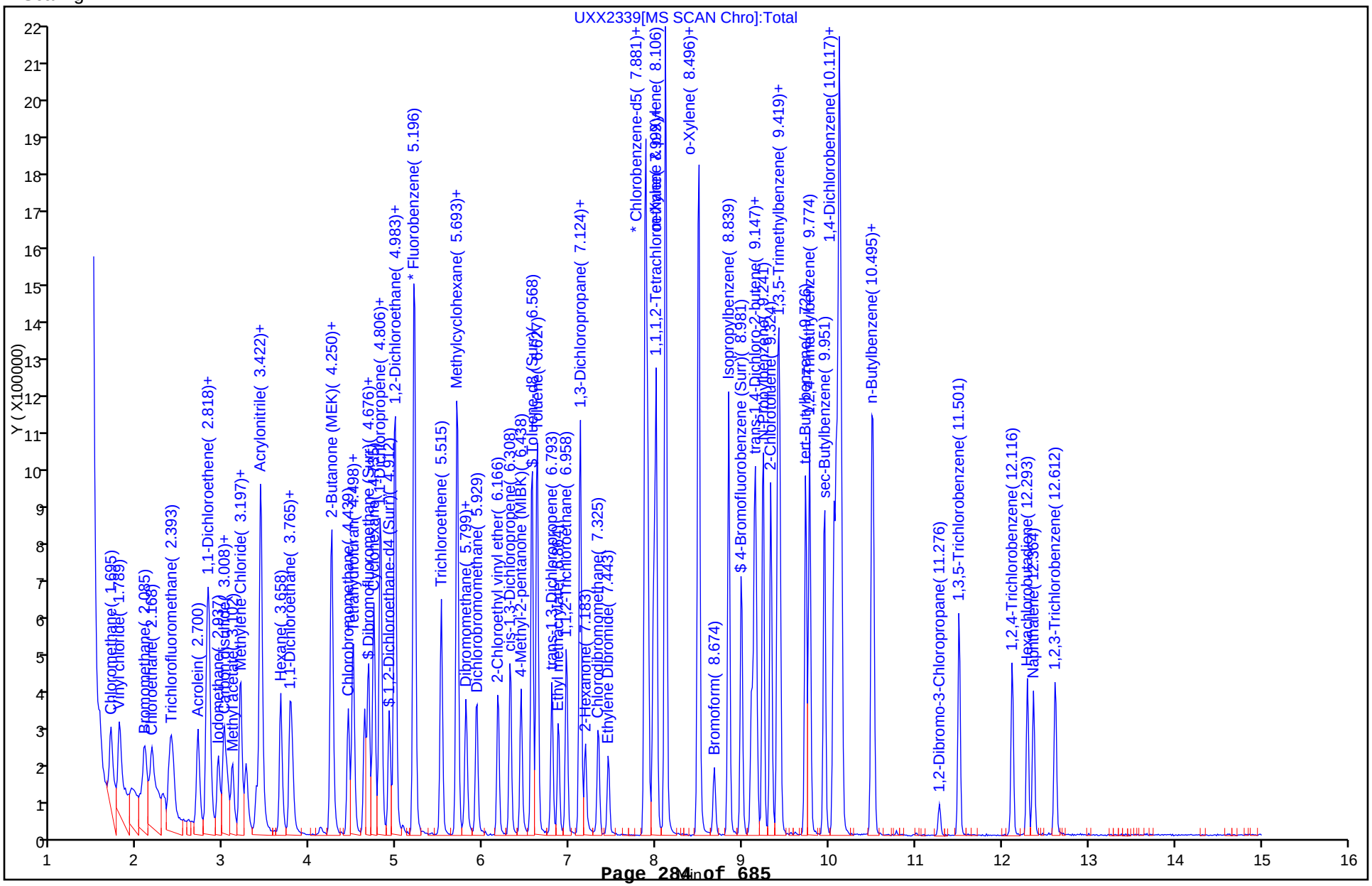
Report Date: 11-Feb-2013 15:28:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2339.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 10:45:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 5 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2340.D | | |
| Lims ID: | STD8260 L2 | Client ID: | |
| Inject. Date: | 11-Feb-2013 11:07:30 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 2 |
| Sample ID: | 240-0017255-006 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 5 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 6 |
| Sublist: | chrom-8260_10*sub25 | | |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m | | |
| Last Update: | 11-Feb-2013 15:28:09 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK037 | | |
| First Level Reviewer: quayler | | Date: | 11-Feb-2013 14:42:04 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.207 | 0.0 | 99 | 1493133 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.880 | 0.001 | 83 | 1053511 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.116 | 10.115 | 0.001 | 95 | 589551 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.627 | 0.001 | 55 | 83239 | 2.04 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.911 | 0.001 | 0 | 110040 | 2.03 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.567 | 0.001 | 92 | 286306 | 1.93 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.980 | 0.001 | 93 | 90280 | 1.88 | |
| 12 Dichlorodifluoromethane | 85 | 1.564 | 1.563 | 0.001 | 92 | 82627 | 2.13 | |
| 13 Chloromethane | 50 | 1.694 | 1.694 | 0.0 | 99 | 122227 | 2.18 | |
| 14 Vinyl chloride | 62 | 1.801 | 1.788 | 0.013 | 81 | 116932 | 2.07 | |
| 16 Bromomethane | 94 | 2.085 | 2.084 | 0.001 | 83 | 64785 | 2.02 | |
| 17 Chloroethane | 64 | 2.179 | 2.167 | 0.012 | 97 | 73457 | 2.00 | |
| 19 Trichlorofluoromethane | 101 | 2.392 | 2.391 | 0.001 | 80 | 129844 | 1.99 | |
| 21 Acrolein | 56 | 2.700 | 2.699 | 0.001 | 92 | 112496 | 19.2 | |
| 23 1,1-Dichloroethene | 96 | 2.818 | 2.805 | 0.013 | 94 | 85793 | 1.98 | |
| 24 Acetone | 43 | 2.830 | 2.817 | 0.013 | 53 | 44478 | 3.94 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.830 | 2.829 | 0.001 | 81 | 67199 | 2.00 | |
| 26 Iodomethane | 142 | 2.936 | 2.936 | 0.0 | 97 | 124675 | 1.93 | |
| 27 Carbon disulfide | 76 | 3.007 | 3.007 | 0.0 | 98 | 215493 | 1.83 | |
| 28 Acetonitrile | 41 | 3.055 | 3.054 | 0.001 | 94 | 59235 | 20.6 | |
| 30 Methyl acetate | 43 | 3.102 | 3.101 | 0.001 | 89 | 111210 | 4.22 | |
| 31 Methylene Chloride | 84 | 3.197 | 3.184 | 0.013 | 83 | 120368 | 2.02 | |
| 32 2-Methyl-2-propanol | 59 | 3.256 | 3.255 | 0.001 | 93 | 74978 | 36.3 | |
| 33 Acrylonitrile | 53 | 3.386 | 3.373 | 0.013 | 98 | 52385 | 4.03 | |
| 35 Methyl tert-butyl ether | 73 | 3.433 | 3.421 | 0.012 | 89 | 218846 | 1.87 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.433 | 3.432 | 0.001 | 65 | 85568 | 1.93 | |
| 36 Hexane | 86 | 3.658 | 3.657 | 0.001 | 92 | 16205 | 1.83 | |
| 37 1,1-Dichloroethane | 63 | 3.764 | 3.764 | 0.0 | 95 | 136249 | 1.89 | |
| 38 Vinyl acetate | 86 | 3.800 | 3.787 | 0.013 | 94 | 10531 | 1.96 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 42 2-Butanone (MEK) | 43 | 4.249 | 4.237 | 0.012 | 50 | 56970 | 4.11 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.249 | 4.249 | 0.001 | 70 | 86433 | 1.91 | |
| 44 2,2-Dichloropropane | 77 | 4.249 | 4.249 | 0.001 | 68 | 85501 | 1.88 | |
| 48 Chlorobromomethane | 128 | 4.439 | 4.438 | 0.001 | 83 | 43422 | 1.93 | |
| 49 Tetrahydrofuran | 42 | 4.486 | 4.485 | 0.001 | 26 | 18392 | 1.99 | |
| 50 Chloroform | 83 | 4.498 | 4.497 | 0.001 | 84 | 153059 | 2.02 | |
| 51 1,1,1-Trichloroethane | 97 | 4.675 | 4.674 | 0.001 | 92 | 123501 | 2.00 | |
| 52 Cyclohexane | 56 | 4.734 | 4.733 | 0.001 | 90 | 113067 | 1.88 | |
| 53 1,1-Dichloropropene | 75 | 4.805 | 4.804 | 0.001 | 89 | 100587 | 1.82 | |
| 54 Carbon tetrachloride | 117 | 4.817 | 4.816 | 0.001 | 79 | 107718 | 1.93 | |
| 56 1,2-Dichloroethane | 62 | 4.983 | 4.982 | 0.001 | 53 | 119471 | 2.02 | |
| 57 Benzene | 78 | 4.983 | 4.982 | 0.001 | 95 | 320880 | 1.91 | |
| 61 Trichloroethene | 130 | 5.515 | 5.514 | 0.001 | 94 | 87946 | 1.97 | |
| 63 Methylcyclohexane | 83 | 5.692 | 5.692 | 0.0 | 85 | 109483 | 1.89 | |
| 64 1,2-Dichloropropane | 63 | 5.704 | 5.703 | 0.001 | 79 | 74139 | 1.99 | |
| 66 Dibromomethane | 93 | 5.799 | 5.798 | 0.001 | 87 | 43781 | 1.86 | |
| 67 1,4-Dioxane | 88 | 5.811 | 5.810 | 0.001 | 36 | 15039 | 96.6 | |
| 68 Dichlorobromomethane | 83 | 5.929 | 5.928 | 0.001 | 94 | 91937 | 1.82 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.165 | 6.165 | 0.0 | 89 | 63839 | 3.91 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.307 | 6.307 | 0.0 | 86 | 91727 | 1.67 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.438 | 6.437 | 0.001 | 95 | 97113 | 3.66 | |
| 73 Toluene | 91 | 6.627 | 6.626 | 0.001 | 96 | 320172 | 1.88 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.792 | 6.792 | 0.0 | 90 | 76499 | 1.66 | |
| 75 Ethyl methacrylate | 69 | 6.875 | 6.874 | 0.001 | 83 | 52533 | 1.88 | |
| 76 1,1,2-Trichloroethane | 97 | 6.958 | 6.957 | 0.001 | 93 | 58283 | 1.85 | |
| 77 1,3-Dichloropropane | 76 | 7.124 | 7.123 | 0.001 | 90 | 103134 | 1.86 | |
| 78 Tetrachloroethene | 164 | 7.124 | 7.123 | 0.001 | 87 | 71887 | 1.98 | |
| 79 2-Hexanone | 43 | 7.183 | 7.182 | 0.001 | 85 | 57613 | 3.55 | |
| 81 Chlorodibromomethane | 129 | 7.325 | 7.336 | -0.011 | 78 | 54848 | 1.70 | |
| 83 Ethylene Dibromide | 107 | 7.443 | 7.442 | 0.001 | 89 | 56688 | 1.87 | |
| 85 Chlorobenzene | 112 | 7.904 | 7.904 | 0.0 | 92 | 207143 | 1.94 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.975 | 7.975 | 0.001 | 83 | 68540 | 1.81 | |
| 87 Ethylbenzene | 106 | 7.999 | 7.998 | 0.001 | 98 | 109040 | 1.95 | |
| 88 m-Xylene & p-Xylene | 106 | 8.105 | 8.105 | 0.0 | 100 | 244531 | 3.52 | |
| 89 o-Xylene | 106 | 8.484 | 8.483 | 0.001 | 92 | 114546 | 1.74 | |
| 90 Styrene | 104 | 8.496 | 8.495 | 0.001 | 88 | 173851 | 1.92 | |
| 91 Bromoform | 173 | 8.673 | 8.672 | 0.001 | 88 | 31053 | 1.90 | |
| 92 Isopropylbenzene | 105 | 8.839 | 8.838 | 0.001 | 95 | 277209 | 1.77 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.099 | 9.098 | 0.001 | 87 | 70515 | 1.90 | |
| 96 Bromobenzene | 156 | 9.146 | 9.146 | 0.0 | 91 | 83676 | 1.88 | |
| 97 1,2,3-Trichloropropane | 110 | 9.158 | 9.157 | 0.001 | 69 | 24794 | 1.93 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.158 | 9.157 | 0.001 | 55 | 13573 | 1.86 | |
| 99 N-Propylbenzene | 120 | 9.241 | 9.240 | 0.001 | 97 | 73285 | 1.72 | |
| 100 2-Chlorotoluene | 126 | 9.324 | 9.323 | 0.001 | 96 | 73856 | 1.90 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.407 | 9.406 | 0.0 | 94 | 211977 | 1.74 | |
| 102 4-Chlorotoluene | 126 | 9.430 | 9.429 | 0.001 | 97 | 80531 | 1.88 | |
| 103 tert-Butylbenzene | 119 | 9.726 | 9.725 | 0.001 | 89 | 178505 | 1.72 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.773 | 9.772 | 0.001 | 69 | 214217 | 1.73 | |
| 105 sec-Butylbenzene | 105 | 9.951 | 9.950 | 0.001 | 93 | 237836 | 1.79 | |
| 106 1,3-Dichlorobenzene | 146 | 10.057 | 10.056 | 0.001 | 75 | 149999 | 1.90 | |
| 107 4-Isopropyltoluene | 119 | 10.093 | 10.092 | 0.001 | 89 | 198993 | 1.78 | |
| 108 1,4-Dichlorobenzene | 146 | 10.140 | 10.139 | 0.001 | 83 | 166374 | 1.94 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 n-Butylbenzene | 91 | 10.495 | 10.494 | 0.001 | 94 | 152390 | 1.71 | |
| 111 1,2-Dichlorobenzene | 146 | 10.518 | 10.518 | 0.0 | 96 | 142421 | 1.92 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.275 | 11.275 | 0.0 | 43 | 10656 | 2.14 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.500 | 11.499 | 0.001 | 95 | 84488 | 1.99 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.115 | 12.126 | -0.011 | 89 | 66602 | 1.94 | |
| 115 Hexachlorobutadiene | 225 | 12.293 | 12.292 | 0.001 | 80 | 38183 | 2.12 | |
| 116 Naphthalene | 128 | 12.364 | 12.363 | 0.001 | 99 | 117863 | 1.82 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.624 | 12.623 | 0.001 | 95 | 65404 | 2.07 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 7.45 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 3.84 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 3.33 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 5.25 | |

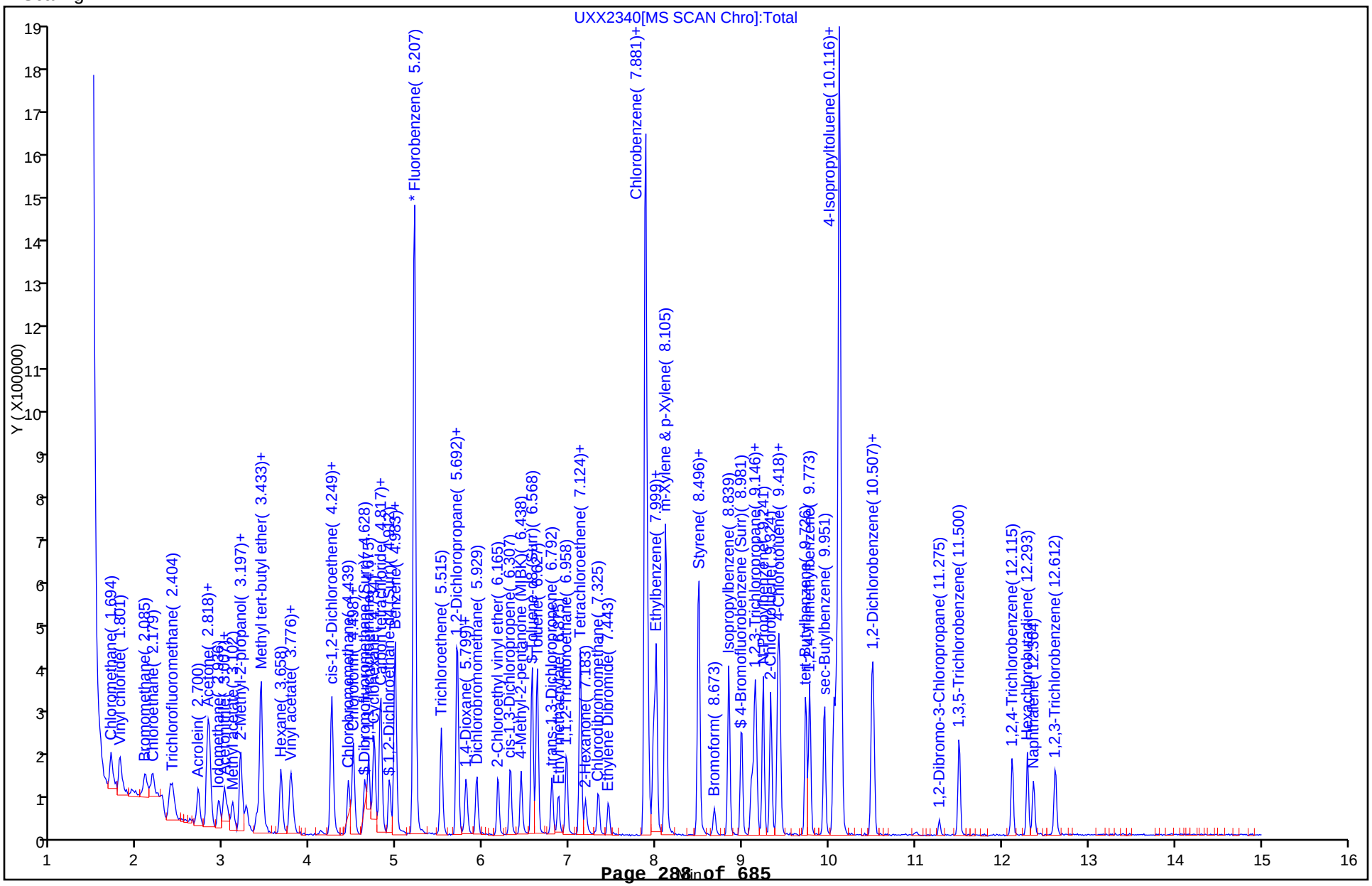
Report Date: 11-Feb-2013 15:28:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2340.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 11:07:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 6 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2341.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 11-Feb-2013 11:29:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0017255-007
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 74846 Lims Sample ID: 7
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m
Last Update: 11-Feb-2013 15:28:10 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: quayler Date: 11-Feb-2013 12:18:59

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.207 | 5.207 | 0.0 | 99 | 1468981 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.880 | 7.880 | 0.0 | 83 | 1037356 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.116 | 10.115 | 0.001 | 94 | 572171 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.627 | 4.627 | 0.0 | 54 | 38363 | 0.9543 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.911 | 4.911 | 0.0 | 0 | 57949 | 1.09 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.567 | 6.567 | 0.0 | 87 | 136003 | 0.9288 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.980 | 8.980 | 0.0 | 89 | 46466 | 0.9819 | |
| 12 Dichlorodifluoromethane | 85 | 1.575 | 1.563 | 0.012 | 76 | 43031 | 1.13 | |
| 13 Chloromethane | 50 | 1.694 | 1.694 | 0.0 | 96 | 63737 | 1.16 | |
| 14 Vinyl chloride | 62 | 1.788 | 1.788 | 0.0 | 84 | 63008 | 1.13 | |
| 16 Bromomethane | 94 | 2.084 | 2.084 | 0.0 | 82 | 37346 | 1.18 | |
| 17 Chloroethane | 64 | 2.167 | 2.167 | 0.0 | 87 | 43126 | 1.19 | |
| 19 Trichlorofluoromethane | 101 | 2.392 | 2.391 | 0.001 | 80 | 69185 | 1.08 | |
| 21 Acrolein | 56 | 2.699 | 2.699 | 0.0 | 89 | 56476 | 9.81 | |
| 23 1,1-Dichloroethene | 96 | 2.806 | 2.805 | 0.001 | 96 | 45499 | 1.07 | |
| 24 Acetone | 43 | 2.829 | 2.817 | 0.012 | 56 | 27526 | 2.48 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.829 | 2.829 | 0.0 | 80 | 36928 | 1.11 | |
| 26 Iodomethane | 142 | 2.936 | 2.936 | 0.0 | 97 | 67186 | 1.05 | |
| 27 Carbon disulfide | 76 | 3.007 | 3.007 | 0.0 | 99 | 114429 | 0.9859 | |
| 28 Acetonitrile | 41 | 3.054 | 3.054 | 0.0 | 95 | 28719 | 10.1 | |
| 30 Methyl acetate | 43 | 3.101 | 3.101 | 0.0 | 90 | 48993 | 1.89 | |
| 31 Methylene Chloride | 84 | 3.196 | 3.184 | 0.012 | 84 | 76457 | 1.05 | |
| 32 2-Methyl-2-propanol | 59 | 3.267 | 3.255 | 0.012 | 92 | 44066 | 21.7 | |
| 33 Acrylonitrile | 53 | 3.373 | 3.373 | 0.0 | 89 | 23184 | 1.81 | |
| 35 Methyl tert-butyl ether | 73 | 3.421 | 3.421 | 0.0 | 88 | 114080 | 0.9890 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.433 | 3.432 | 0.001 | 68 | 42204 | 0.9690 | |
| 36 Hexane | 86 | 3.657 | 3.657 | 0.0 | 86 | 8750 | 1.00 | |
| 37 1,1-Dichloroethane | 63 | 3.764 | 3.764 | 0.0 | 89 | 69053 | 0.9726 | |
| 38 Vinyl acetate | 86 | 3.787 | 3.787 | 0.0 | 94 | 4750 | 1.19 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 42 2-Butanone (MEK) | 43 | 4.237 | 4.237 | 0.0 | 52 | 28663 | 2.10 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.249 | 4.249 | 0.001 | 76 | 44372 | 1.00 | |
| 44 2,2-Dichloropropane | 77 | 4.249 | 4.249 | 0.001 | 74 | 43718 | 0.9754 | |
| 48 Chlorobromomethane | 128 | 4.450 | 4.438 | 0.012 | 69 | 24188 | 1.09 | |
| 49 Tetrahydrofuran | 42 | 4.485 | 4.485 | 0.0 | 32 | 10777 | 1.18 | |
| 50 Chloroform | 83 | 4.497 | 4.497 | 0.0 | 71 | 74269 | 1.00 | |
| 51 1,1,1-Trichloroethane | 97 | 4.675 | 4.674 | 0.001 | 88 | 57735 | 0.9520 | |
| 52 Cyclohexane | 56 | 4.734 | 4.733 | 0.001 | 87 | 55044 | 0.9300 | |
| 53 1,1-Dichloropropene | 75 | 4.805 | 4.804 | 0.001 | 88 | 50356 | 0.9277 | |
| 54 Carbon tetrachloride | 117 | 4.816 | 4.816 | 0.0 | 77 | 53171 | 0.9681 | |
| 56 1,2-Dichloroethane | 62 | 4.982 | 4.982 | 0.0 | 52 | 58110 | 1.00 | |
| 57 Benzene | 78 | 4.982 | 4.982 | 0.0 | 94 | 159218 | 0.9645 | |
| 61 Trichloroethene | 130 | 5.514 | 5.514 | 0.0 | 86 | 46022 | 1.05 | |
| 63 Methylcyclohexane | 83 | 5.692 | 5.692 | 0.0 | 84 | 52376 | 0.9214 | |
| 64 1,2-Dichloropropane | 63 | 5.704 | 5.703 | 0.001 | 68 | 34279 | 0.9335 | |
| 66 Dibromomethane | 93 | 5.798 | 5.798 | 0.0 | 82 | 22709 | 0.9787 | |
| 67 1,4-Dioxane | 88 | 5.810 | 5.810 | 0.0 | 20 | 7646 | 68.1 | |
| 68 Dichlorobromomethane | 83 | 5.928 | 5.928 | 0.0 | 88 | 46338 | 0.9347 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.165 | 6.165 | 0.0 | 83 | 27762 | 2.23 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.307 | 6.307 | 0.0 | 75 | 46222 | 0.8530 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.437 | 6.437 | 0.0 | 87 | 43889 | 1.68 | |
| 73 Toluene | 91 | 6.626 | 6.626 | 0.0 | 94 | 149159 | 0.8911 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.792 | 6.792 | 0.0 | 82 | 39809 | 0.8791 | |
| 75 Ethyl methacrylate | 69 | 6.863 | 6.874 | -0.011 | 64 | 24490 | 1.25 | |
| 76 1,1,2-Trichloroethane | 97 | 6.957 | 6.957 | 0.0 | 87 | 31812 | 1.03 | |
| 77 1,3-Dichloropropane | 76 | 7.123 | 7.123 | 0.0 | 80 | 52164 | 0.9578 | |
| 78 Tetrachloroethene | 164 | 7.111 | 7.123 | -0.012 | 85 | 40777 | 1.14 | |
| 79 2-Hexanone | 43 | 7.182 | 7.182 | 0.0 | 87 | 27411 | 1.72 | |
| 81 Chlorodibromomethane | 129 | 7.336 | 7.336 | 0.0 | 63 | 26517 | 0.8354 | |
| 83 Ethylene Dibromide | 107 | 7.442 | 7.442 | 0.0 | 78 | 28226 | 0.9470 | |
| 85 Chlorobenzene | 112 | 7.904 | 7.904 | 0.0 | 91 | 106237 | 1.01 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.975 | 7.975 | 0.001 | 69 | 37346 | 1.00 | |
| 87 Ethylbenzene | 106 | 7.998 | 7.998 | 0.0 | 97 | 48681 | 0.8836 | |
| 88 m-Xylene & p-Xylene | 106 | 8.117 | 8.105 | 0.012 | 99 | 120095 | 1.75 | |
| 89 o-Xylene | 106 | 8.495 | 8.483 | 0.012 | 87 | 57968 | 0.8922 | |
| 90 Styrene | 104 | 8.495 | 8.495 | 0.0 | 85 | 83041 | 1.19 | |
| 91 Bromoform | 173 | 8.673 | 8.672 | 0.001 | 82 | 15234 | 1.20 | |
| 92 Isopropylbenzene | 105 | 8.838 | 8.838 | 0.0 | 93 | 126807 | 0.8203 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.098 | 9.098 | 0.0 | 84 | 36391 | 1.01 | |
| 96 Bromobenzene | 156 | 9.146 | 9.146 | 0.0 | 88 | 40913 | 0.9455 | |
| 97 1,2,3-Trichloropropane | 110 | 9.146 | 9.157 | -0.011 | 63 | 12543 | 1.00 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.158 | 9.157 | 0.001 | 57 | 6568 | 1.20 | |
| 99 N-Propylbenzene | 120 | 9.240 | 9.240 | 0.0 | 94 | 37269 | 0.9037 | |
| 100 2-Chlorotoluene | 126 | 9.323 | 9.323 | 0.0 | 94 | 32963 | 0.8741 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.406 | 9.406 | 0.0 | 89 | 97803 | 0.8262 | |
| 102 4-Chlorotoluene | 126 | 9.430 | 9.429 | 0.001 | 94 | 36260 | 0.8708 | |
| 103 tert-Butylbenzene | 119 | 9.725 | 9.725 | 0.0 | 86 | 85955 | 0.8539 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.773 | 9.772 | 0.001 | 65 | 98312 | 0.8201 | |
| 105 sec-Butylbenzene | 105 | 9.950 | 9.950 | 0.0 | 85 | 114085 | 0.8838 | |
| 106 1,3-Dichlorobenzene | 146 | 10.056 | 10.056 | 0.0 | 79 | 75464 | 0.9842 | |
| 107 4-Isopropyltoluene | 119 | 10.092 | 10.092 | 0.0 | 90 | 92469 | 0.8544 | |
| 108 1,4-Dichlorobenzene | 146 | 10.139 | 10.139 | 0.0 | 74 | 88448 | 1.06 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 n-Butylbenzene | 91 | 10.494 | 10.494 | 0.0 | 94 | 74870 | 0.8651 | |
| 111 1,2-Dichlorobenzene | 146 | 10.518 | 10.518 | 0.0 | 94 | 73602 | 1.02 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.287 | 11.275 | 0.012 | 22 | 4881 | 1.01 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.511 | 11.499 | 0.012 | 89 | 43882 | 1.06 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.126 | 12.126 | 0.0 | 75 | 34383 | 1.03 | |
| 115 Hexachlorobutadiene | 225 | 12.292 | 12.292 | 0.0 | 73 | 19338 | 1.11 | |
| 116 Naphthalene | 128 | 12.363 | 12.363 | 0.0 | 97 | 57893 | 1.13 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.611 | 12.623 | -0.012 | 86 | 31467 | 1.02 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 3.96 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 1.97 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 1.73 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 2.65 | |

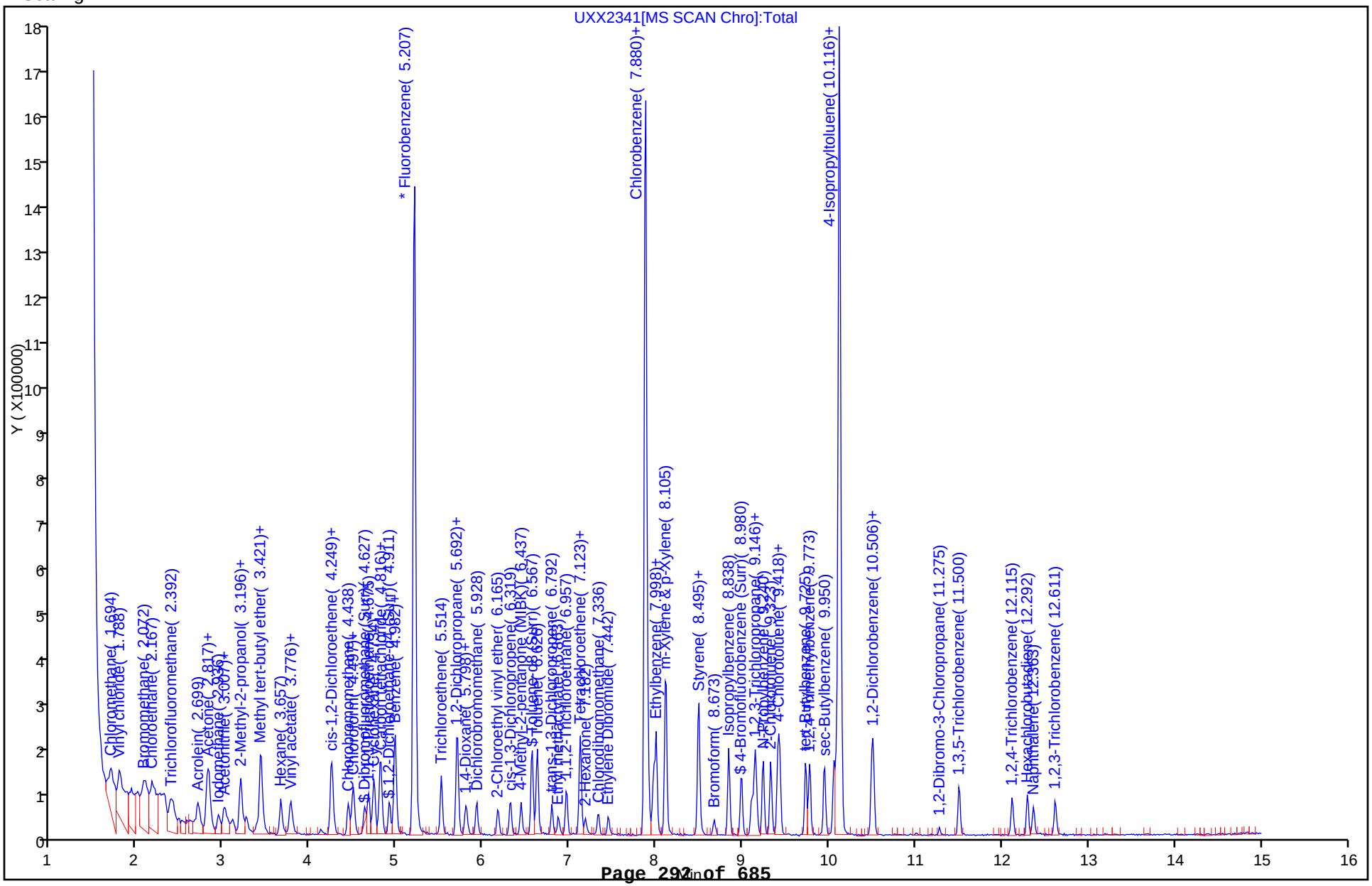
Report Date: 11-Feb-2013 15:28:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2341.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 11:29:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 7 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: ICV 240-74846/14 Calibration Date: 02/11/2013 14:00

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2348.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.2599 | 0.3263 | | 12.6 | 10.0 | 25.6 | 50.0 |
| Chloromethane | Ave | 0.3752 | 0.4440 | 0.1000 | 11.8 | 10.0 | 18.3 | 50.0 |
| Vinyl chloride | Ave | 0.3782 | 0.4622 | | 12.2 | 10.0 | 22.2* | 20.0 |
| Bromomethane | Ave | 0.2146 | 0.1995 | | 9.30 | 10.0 | -7.0 | 50.0 |
| Chloroethane | Ave | 0.2462 | 0.2620 | | 10.6 | 10.0 | 6.4 | 50.0 |
| Trichlorofluoromethane | Ave | 0.4362 | 0.4812 | | 11.0 | 10.0 | 10.3 | 50.0 |
| Acrolein | Ave | 0.0392 | 0.0459 | | 35.1 | 30.0 | 17.1 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2906 | 0.3147 | | 10.8 | 10.0 | 8.3 | 20.0 |
| Acetone | Ave | 0.0756 | 0.0683 | | 18.1 | 20.0 | -9.6 | 50.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.2255 | 0.2693 | | 11.9 | 10.0 | 19.5 | 50.0 |
| Iodomethane | Ave | 0.4338 | 0.4681 | | 10.8 | 10.0 | 7.9 | 50.0 |
| Carbon disulfide | Ave | 0.7901 | 0.8431 | | 10.7 | 10.0 | 6.7 | 50.0 |
| Acetonitrile | Ave | 0.0193 | 0.0197 | | 30.7 | 30.0 | 2.2 | 50.0 |
| Methyl acetate | Ave | 0.1765 | 0.1707 | | | 10.0 | -3.3 | 50.0 |
| Methylene Chloride | Lin1 | | 0.3020 | | 9.58 | 10.0 | -4.2 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0138 | 0.0131 | | 189 | 200 | -5.5 | 50.0 |
| Acrylonitrile | Ave | 0.0870 | 0.0834 | | 28.8 | 30.0 | -4.1 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7852 | 0.7823 | | 9.96 | 10.0 | -0.4 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2965 | 0.3122 | | 10.5 | 10.0 | 5.3 | 50.0 |
| Hexane | Ave | 0.0593 | 0.0691 | | 11.6 | 10.0 | 16.5 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.4833 | 0.5154 | 0.1000 | 10.7 | 10.0 | 6.6 | 50.0 |
| Vinyl acetate | Lin1 | | 0.0564 | | 11.9 | 10.0 | 19.0 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.0929 | 0.0881 | | 19.0 | 20.0 | -5.2 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.3029 | 0.3172 | | 10.5 | 10.0 | 4.7 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3051 | 0.3064 | | 10.0 | 10.0 | 0.4 | 50.0 |
| Chlorobromomethane | Ave | 0.1510 | 0.1488 | | 9.85 | 10.0 | -1.5 | 50.0 |
| Tetrahydrofuran | Ave | 0.0620 | 0.0559 | | 9.03 | 10.0 | -9.7 | 50.0 |
| Chloroform | Ave | 0.5065 | 0.5162 | | 10.2 | 10.0 | 1.9 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.4129 | 0.4295 | | 10.4 | 10.0 | 4.0 | 50.0 |
| Cyclohexane | Ave | 0.4029 | 0.4489 | | 11.1 | 10.0 | 11.4 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3695 | 0.3990 | | 10.8 | 10.0 | 8.0 | 50.0 |
| Carbon tetrachloride | Ave | 0.3739 | 0.3964 | | 10.6 | 10.0 | 6.0 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3956 | 0.4227 | | 10.7 | 10.0 | 6.8 | 50.0 |
| Benzene | Ave | 1.124 | 1.190 | | 10.6 | 10.0 | 5.9 | 50.0 |
| Trichloroethene | Ave | 0.2986 | 0.3204 | | 10.7 | 10.0 | 7.3 | 50.0 |
| Methylcyclohexane | Ave | 0.3870 | 0.4232 | | 10.9 | 10.0 | 9.4 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2500 | 0.2634 | | 10.5 | 10.0 | 5.4 | 20.0 |
| Dibromomethane | Ave | 0.1580 | 0.1733 | | 11.0 | 10.0 | 9.7 | 50.0 |
| Dichlorobromomethane | Ave | 0.3375 | 0.3612 | | 10.7 | 10.0 | 7.0 | 50.0 |
| 2-Chloroethyl vinyl ether | Lin1 | | 0.1127 | | | 10.0 | -11.7 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: ICV 240-74846/14 Calibration Date: 02/11/2013 14:00

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2348.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | Ave | 0.3689 | 0.3656 | | 9.91 | 10.0 | -0.9 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.1776 | 0.1817 | | 20.5 | 20.0 | 2.3 | 50.0 |
| Toluene | Ave | 1.614 | 1.708 | | 10.6 | 10.0 | 5.9 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4365 | 0.4395 | | 10.1 | 10.0 | 0.7 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2983 | 0.3207 | | 10.8 | 10.0 | 7.5 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5250 | 0.5485 | | 10.4 | 10.0 | 4.5 | 50.0 |
| Tetrachloroethene | Ave | 0.3451 | 0.3536 | | 10.2 | 10.0 | 2.5 | 50.0 |
| 2-Hexanone | Ave | 0.1541 | 0.1617 | | 21.0 | 20.0 | 5.0 | 50.0 |
| Chlorodibromomethane | Ave | 0.3060 | 0.3171 | | 10.4 | 10.0 | 3.6 | 50.0 |
| Ethylene Dibromide | Ave | 0.2873 | 0.2994 | | 10.4 | 10.0 | 4.2 | 50.0 |
| Chlorobenzene | Ave | 1.013 | 1.049 | 0.3000 | 10.4 | 10.0 | 3.5 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.3590 | 0.3704 | | 10.3 | 10.0 | 3.2 | 50.0 |
| Ethylbenzene | Ave | 0.5311 | 0.5646 | | 10.6 | 10.0 | 6.3 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.6600 | 0.7230 | | 21.9 | 20.0 | 9.5 | 50.0 |
| o-Xylene | Ave | 0.6264 | 0.6830 | | 10.9 | 10.0 | 9.0 | 50.0 |
| Styrene | Lin1 | | 1.104 | | 9.99 | 10.0 | -0.1 | 50.0 |
| Bromoform | Lin1 | | 0.1841 | 0.1000 | 9.28 | 10.0 | -7.2 | 50.0 |
| Isopropylbenzene | Ave | 1.490 | 1.646 | | 11.0 | 10.0 | 10.4 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6300 | 0.6306 | 0.3000 | 10.0 | 10.0 | 0.0 | 50.0 |
| Bromobenzene | Ave | 0.7563 | 0.7793 | | 10.3 | 10.0 | 3.0 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2183 | 0.2330 | | 10.7 | 10.0 | 6.7 | 50.0 |
| trans-1,4-Dichloro-2-butene | Lin1 | | 0.1611 | | 19.0 | 20.0 | -5.1 | 50.0 |
| N-Propylbenzene | Ave | 0.7208 | 0.7911 | | 11.0 | 10.0 | 9.8 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6591 | 0.6997 | | 10.6 | 10.0 | 6.2 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.069 | 2.274 | | 11.0 | 10.0 | 9.9 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7277 | 0.7919 | | 10.9 | 10.0 | 8.8 | 50.0 |
| tert-Butylbenzene | Ave | 1.759 | 2.035 | | 11.6 | 10.0 | 15.7 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.095 | 2.293 | | 10.9 | 10.0 | 9.4 | 50.0 |
| sec-Butylbenzene | Ave | 2.256 | 2.428 | | 10.8 | 10.0 | 7.6 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.340 | 1.383 | | 10.3 | 10.0 | 3.2 | 50.0 |
| 4-Isopropyltoluene | Ave | 1.891 | 2.101 | | 11.1 | 10.0 | 11.1 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.452 | 1.439 | | 9.91 | 10.0 | -0.9 | 50.0 |
| n-Butylbenzene | Ave | 1.513 | 1.631 | | 10.8 | 10.0 | 7.8 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.257 | 1.267 | | 10.1 | 10.0 | 0.7 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.0843 | 0.0775 | | 9.19 | 10.0 | -8.1 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.5829 | 0.5076 | | 8.71 | 10.0 | -12.9 | 50.0 |
| Hexachlorobutadiene | Ave | 0.3055 | 0.2366 | | 7.74 | 10.0 | -22.6 | 50.0 |
| Naphthalene | Lin1 | | 0.9451 | | 7.06 | 10.0 | -29.4 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.5369 | 0.4239 | | 7.90 | 10.0 | -21.0 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2736 | 0.2361 | | 8.63 | 10.0 | -13.7 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3629 | 0.2979 | | 8.21 | 10.0 | -17.9 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: ICV 240-74846/14 Calibration Date: 02/11/2013 14:00

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2348.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Toluene-d8 (Surr) | Ave | 1.412 | 1.284 | | 9.10 | 10.0 | -9.0 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4562 | 0.4524 | | 9.92 | 10.0 | -0.8 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2348.D
Lims ID: ICV Client ID:
Inject. Date: 11-Feb-2013 14:00:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017255-014
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 74846 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m
Last Update: 11-Feb-2013 15:28:15 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: quayler Date: 11-Feb-2013 14:51:38

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.208 | 5.197 | 0.011 | 99 | 1488493 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.882 | -0.001 | 83 | 1077573 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 82 | 625019 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.627 | 0.001 | 56 | 351363 | 8.63 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.911 | 0.001 | 0 | 443469 | 8.21 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.567 | 0.001 | 93 | 1383510 | 9.10 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.980 | 0.001 | 94 | 487539 | 9.92 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.563 | 0.002 | 86 | 485676 | 12.6 | |
| 13 Chloromethane | 50 | 1.695 | 1.694 | 0.001 | 89 | 660871 | 11.8 | |
| 14 Vinyl chloride | 62 | 1.790 | 1.788 | 0.002 | 82 | 687991 | 12.2 | |
| 16 Bromomethane | 94 | 2.085 | 2.084 | 0.001 | 89 | 296986 | 9.30 | |
| 17 Chloroethane | 64 | 2.168 | 2.167 | 0.001 | 97 | 389999 | 10.6 | |
| 19 Trichlorofluoromethane | 101 | 2.381 | 2.391 | -0.010 | 84 | 716322 | 11.0 | |
| 20 Ethyl ether | 59 | 2.606 | 2.606 | 0.0 | 87 | 529131 | 11.3 | |
| 21 Acrolein | 56 | 2.700 | 2.699 | 0.001 | 90 | 204862 | 35.1 | |
| 23 1,1-Dichloroethene | 96 | 2.807 | 2.805 | 0.002 | 90 | 468462 | 10.8 | |
| 24 Acetone | 43 | 2.819 | 2.817 | 0.002 | 46 | 203317 | 18.1 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.831 | 2.829 | 0.002 | 84 | 400900 | 11.9 | |
| 26 Iodomethane | 142 | 2.937 | 2.936 | 0.001 | 99 | 696727 | 10.8 | |
| 27 Carbon disulfide | 76 | 3.008 | 3.007 | 0.001 | 100 | 1254963 | 10.7 | |
| 28 Acetonitrile | 41 | 3.043 | 3.054 | -0.011 | 93 | 88092 | 30.7 | |
| 30 Methyl acetate | 43 | 3.103 | 3.101 | 0.002 | 90 | 254073 | 9.67 | |
| 31 Methylene Chloride | 84 | 3.185 | 3.184 | 0.001 | 85 | 449487 | 9.58 | |
| 32 2-Methyl-2-propanol | 59 | 3.256 | 3.255 | 0.001 | 93 | 388744 | 189.0 | |
| 33 Acrylonitrile | 53 | 3.375 | 3.373 | 0.002 | 96 | 372524 | 28.8 | |
| 35 Methyl tert-butyl ether | 73 | 3.422 | 3.421 | 0.001 | 90 | 1164447 | 9.96 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.434 | 3.432 | 0.002 | 67 | 464762 | 10.5 | |
| 36 Hexane | 86 | 3.659 | 3.657 | 0.002 | 92 | 102783 | 11.6 | |
| 37 1,1-Dichloroethane | 63 | 3.765 | 3.764 | 0.001 | 85 | 767232 | 10.7 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 38 Vinyl acetate | 86 | 3.789 | 3.787 | 0.002 | 97 | 83926 | 11.9 | |
| 39 Isopropyl ether | 87 | 3.824 | 3.825 | -0.001 | 95 | 387514 | 10.4 | |
| 42 2-Butanone (MEK) | 43 | 4.238 | 4.237 | 0.001 | 53 | 262119 | 19.0 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.238 | 4.249 | -0.010 | 70 | 472105 | 10.5 | |
| 44 2,2-Dichloropropane | 77 | 4.250 | 4.249 | 0.002 | 75 | 456018 | 10.0 | |
| 48 Chlorobromomethane | 128 | 4.439 | 4.438 | 0.001 | 90 | 221507 | 9.85 | |
| 49 Tetrahydrofuran | 42 | 4.487 | 4.485 | 0.002 | 86 | 83262 | 9.03 | |
| 50 Chloroform | 83 | 4.498 | 4.497 | 0.001 | 82 | 768419 | 10.2 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.674 | 0.002 | 93 | 639289 | 10.4 | |
| 52 Cyclohexane | 56 | 4.735 | 4.733 | 0.002 | 89 | 668186 | 11.1 | |
| 53 1,1-Dichloropropene | 75 | 4.806 | 4.804 | 0.002 | 94 | 593885 | 10.8 | |
| 54 Carbon tetrachloride | 117 | 4.818 | 4.816 | 0.002 | 80 | 590025 | 10.6 | |
| 55 Isobutyl alcohol | 41 | 4.841 | 4.842 | -0.001 | 91 | 387506 | 473.3 | |
| 56 1,2-Dichloroethane | 62 | 4.972 | 4.982 | -0.010 | 51 | 629146 | 10.7 | |
| 57 Benzene | 78 | 4.983 | 4.982 | 0.001 | 96 | 1771542 | 10.6 | |
| 61 Trichloroethene | 130 | 5.516 | 5.514 | 0.002 | 91 | 476909 | 10.7 | |
| 63 Methylcyclohexane | 83 | 5.693 | 5.692 | 0.001 | 88 | 629878 | 10.9 | |
| 64 1,2-Dichloropropane | 63 | 5.705 | 5.703 | 0.002 | 85 | 392102 | 10.5 | |
| 66 Dibromomethane | 93 | 5.800 | 5.798 | 0.002 | 82 | 257902 | 11.0 | |
| 68 Dichlorobromomethane | 83 | 5.918 | 5.928 | -0.010 | 93 | 537600 | 10.7 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.166 | 6.165 | 0.001 | 92 | 167735 | 8.83 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.308 | 6.307 | 0.001 | 89 | 544175 | 9.91 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.438 | 6.437 | 0.001 | 95 | 540984 | 20.5 | |
| 73 Toluene | 91 | 6.627 | 6.626 | 0.001 | 91 | 1840736 | 10.6 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.793 | 6.792 | 0.001 | 94 | 473640 | 10.1 | |
| 76 1,1,2-Trichloroethane | 97 | 6.959 | 6.957 | 0.002 | 93 | 345588 | 10.8 | |
| 77 1,3-Dichloropropane | 76 | 7.112 | 7.123 | -0.011 | 90 | 591077 | 10.4 | |
| 78 Tetrachloroethene | 164 | 7.124 | 7.123 | 0.001 | 91 | 381048 | 10.2 | |
| 79 2-Hexanone | 43 | 7.183 | 7.182 | 0.001 | 97 | 348457 | 21.0 | |
| 81 Chlorodibromomethane | 129 | 7.325 | 7.336 | -0.011 | 89 | 341717 | 10.4 | |
| 83 Ethylene Dibromide | 107 | 7.444 | 7.442 | 0.002 | 98 | 322603 | 10.4 | |
| 85 Chlorobenzene | 112 | 7.905 | 7.904 | 0.001 | 96 | 1129897 | 10.4 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.976 | 7.975 | 0.002 | 88 | 399108 | 10.3 | |
| 87 Ethylbenzene | 106 | 8.000 | 7.998 | 0.002 | 98 | 608368 | 10.6 | |
| 88 m-Xylene & p-Xylene | 106 | 8.106 | 8.105 | 0.001 | 100 | 1558085 | 21.9 | |
| 89 o-Xylene | 106 | 8.485 | 8.483 | 0.002 | 92 | 735980 | 10.9 | |
| 90 Styrene | 104 | 8.496 | 8.495 | 0.001 | 91 | 1190135 | 10.0 | |
| 91 Bromoform | 173 | 8.674 | 8.672 | 0.002 | 94 | 198365 | 9.28 | |
| 92 Isopropylbenzene | 105 | 8.839 | 8.838 | 0.001 | 95 | 1773391 | 11.0 | |
| 94 Cyclohexanone | 55 | 8.922 | 8.923 | -0.001 | 89 | 138920 | 45.1 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.100 | 9.098 | 0.002 | 87 | 394112 | 10.0 | |
| 96 Bromobenzene | 156 | 9.135 | 9.146 | -0.011 | 91 | 487046 | 10.3 | |
| 97 1,2,3-Trichloropropane | 110 | 9.159 | 9.157 | 0.002 | 72 | 145620 | 10.7 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.159 | 9.157 | 0.002 | 76 | 201402 | 19.0 | |
| 99 N-Propylbenzene | 120 | 9.242 | 9.240 | 0.002 | 98 | 494436 | 11.0 | |
| 100 2-Chlorotoluene | 126 | 9.324 | 9.323 | 0.001 | 96 | 437321 | 10.6 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.407 | 9.406 | 0.001 | 94 | 1421033 | 11.0 | |
| 102 4-Chlorotoluene | 126 | 9.431 | 9.429 | 0.002 | 97 | 494977 | 10.9 | |
| 103 tert-Butylbenzene | 119 | 9.727 | 9.725 | 0.002 | 92 | 1272183 | 11.6 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.774 | 9.772 | 0.002 | 81 | 1433134 | 10.9 | |
| 105 sec-Butylbenzene | 105 | 9.951 | 9.950 | 0.001 | 92 | 1517335 | 10.8 | |
| 106 1,3-Dichlorobenzene | 146 | 10.058 | 10.056 | 0.002 | 96 | 864326 | 10.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 107 4-Isopropyltoluene | 119 | 10.081 | 10.092 | -0.011 | 92 | 1313455 | 11.1 | |
| 108 1,4-Dichlorobenzene | 146 | 10.141 | 10.139 | 0.002 | 92 | 899299 | 9.91 | |
| 109 1,2,3-Trimethylbenzene | 105 | 10.188 | 10.188 | 0.0 | 93 | 1403498 | 10.2 | |
| 110 n-Butylbenzene | 91 | 10.495 | 10.494 | 0.001 | 95 | 1019299 | 10.8 | |
| 111 1,2-Dichlorobenzene | 146 | 10.507 | 10.518 | -0.011 | 95 | 791678 | 10.1 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.276 | 11.275 | 0.001 | 72 | 48410 | 9.19 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.116 | 12.126 | -0.010 | 91 | 317245 | 8.71 | |
| 115 Hexachlorobutadiene | 225 | 12.293 | 12.292 | 0.001 | 93 | 147887 | 7.74 | |
| 116 Naphthalene | 128 | 12.364 | 12.363 | 0.001 | 100 | 590733 | 7.06 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.613 | 12.623 | -0.010 | 98 | 264970 | 7.90 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 40.5 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 21.0 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 32.8 | |

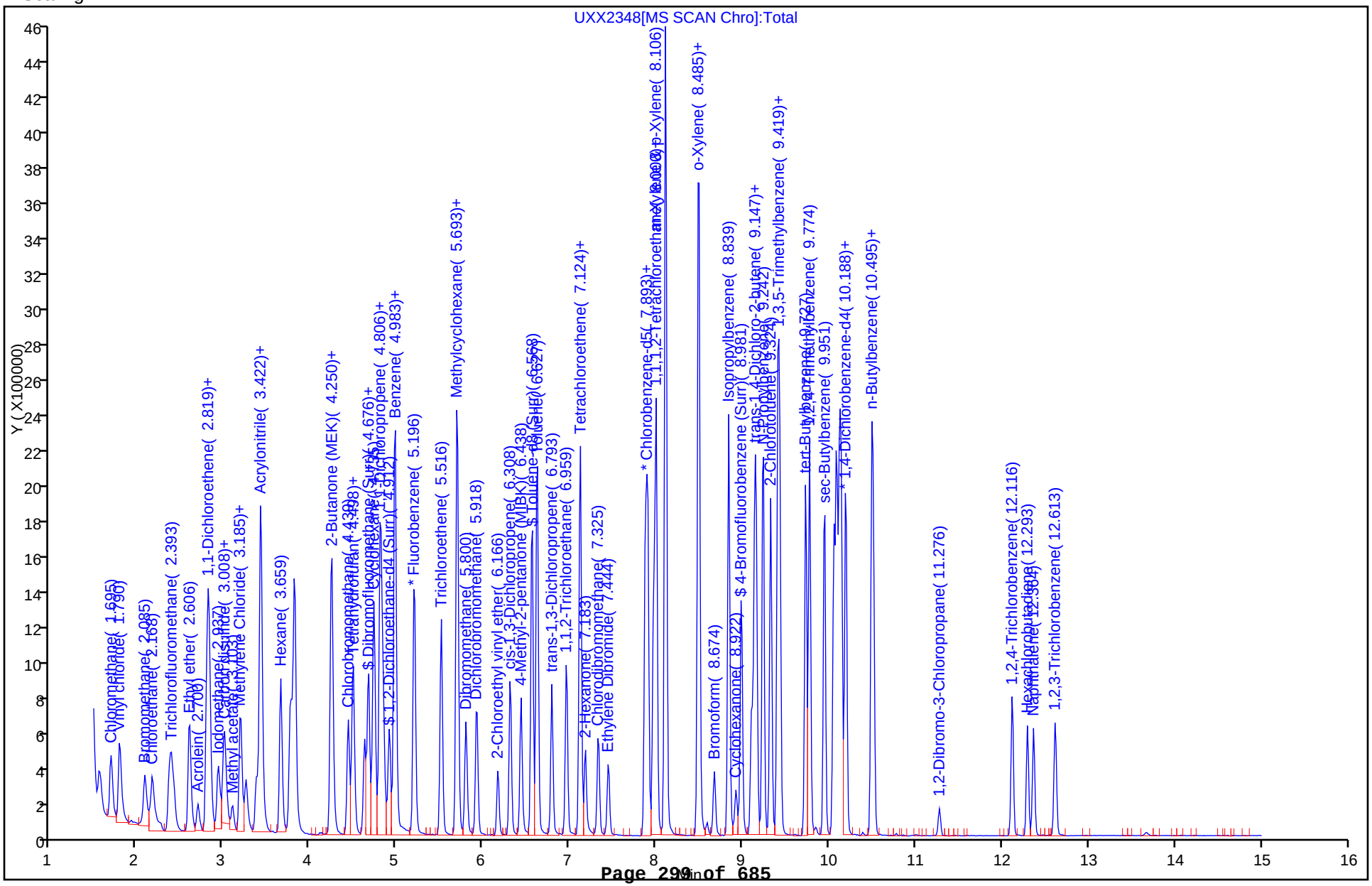
Report Date: 11-Feb-2013 15:28:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2348.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 14:00:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 14 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: ICV 240-74846/14 Calibration Date: 02/11/2013 14:00

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 11:50

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 13:39

Lab File ID: UXX2348.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Ethyl ether | Ave | 0.3134 | 0.3555 | | 11.3 | 10.0 | 13.4 | 50.0 |
| Isopropyl ether | Ave | 0.2502 | 0.2603 | | 10.4 | 10.0 | 4.1 | 50.0 |
| Isobutyl alcohol | Ave | 0.0076 | 0.0072 | | 473 | 500 | -5.3 | 50.0 |
| Cyclohexanone | Ave | 0.0493 | 0.0111 | | 45.1 | 200 | -77.5* | 50.0 |
| 1,2,3-Trimethylbenzene | Ave | 2.201 | 2.246 | | 10.2 | 10.0 | 2.0 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2348.D
Lims ID: ICV Client ID:
Inject. Date: 11-Feb-2013 14:00:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017255-014
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 74846 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m
Last Update: 11-Feb-2013 15:28:15 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: quayler Date: 11-Feb-2013 14:51:38

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.208 | 5.197 | 0.011 | 99 | 1488493 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.882 | -0.001 | 83 | 1077573 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 82 | 625019 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.627 | 0.001 | 56 | 351363 | 8.63 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.911 | 0.001 | 0 | 443469 | 8.21 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.567 | 0.001 | 93 | 1383510 | 9.10 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.980 | 0.001 | 94 | 487539 | 9.92 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.563 | 0.002 | 86 | 485676 | 12.6 | |
| 13 Chloromethane | 50 | 1.695 | 1.694 | 0.001 | 89 | 660871 | 11.8 | |
| 14 Vinyl chloride | 62 | 1.790 | 1.788 | 0.002 | 82 | 687991 | 12.2 | |
| 16 Bromomethane | 94 | 2.085 | 2.084 | 0.001 | 89 | 296986 | 9.30 | |
| 17 Chloroethane | 64 | 2.168 | 2.167 | 0.001 | 97 | 389999 | 10.6 | |
| 19 Trichlorofluoromethane | 101 | 2.381 | 2.391 | -0.010 | 84 | 716322 | 11.0 | |
| 20 Ethyl ether | 59 | 2.606 | 2.606 | 0.0 | 87 | 529131 | 11.3 | |
| 21 Acrolein | 56 | 2.700 | 2.699 | 0.001 | 90 | 204862 | 35.1 | |
| 23 1,1-Dichloroethene | 96 | 2.807 | 2.805 | 0.002 | 90 | 468462 | 10.8 | |
| 24 Acetone | 43 | 2.819 | 2.817 | 0.002 | 46 | 203317 | 18.1 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.831 | 2.829 | 0.002 | 84 | 400900 | 11.9 | |
| 26 Iodomethane | 142 | 2.937 | 2.936 | 0.001 | 99 | 696727 | 10.8 | |
| 27 Carbon disulfide | 76 | 3.008 | 3.007 | 0.001 | 100 | 1254963 | 10.7 | |
| 28 Acetonitrile | 41 | 3.043 | 3.054 | -0.011 | 93 | 88092 | 30.7 | |
| 30 Methyl acetate | 43 | 3.103 | 3.101 | 0.002 | 90 | 254073 | 9.67 | |
| 31 Methylene Chloride | 84 | 3.185 | 3.184 | 0.001 | 85 | 449487 | 9.58 | |
| 32 2-Methyl-2-propanol | 59 | 3.256 | 3.255 | 0.001 | 93 | 388744 | 189.0 | |
| 33 Acrylonitrile | 53 | 3.375 | 3.373 | 0.002 | 96 | 372524 | 28.8 | |
| 35 Methyl tert-butyl ether | 73 | 3.422 | 3.421 | 0.001 | 90 | 1164447 | 9.96 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.434 | 3.432 | 0.002 | 67 | 464762 | 10.5 | |
| 36 Hexane | 86 | 3.659 | 3.657 | 0.002 | 92 | 102783 | 11.6 | |
| 37 1,1-Dichloroethane | 63 | 3.765 | 3.764 | 0.001 | 85 | 767232 | 10.7 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 38 Vinyl acetate | 86 | 3.789 | 3.787 | 0.002 | 97 | 83926 | 11.9 | |
| 39 Isopropyl ether | 87 | 3.824 | 3.825 | -0.001 | 95 | 387514 | 10.4 | |
| 42 2-Butanone (MEK) | 43 | 4.238 | 4.237 | 0.001 | 53 | 262119 | 19.0 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.238 | 4.249 | -0.010 | 70 | 472105 | 10.5 | |
| 44 2,2-Dichloropropane | 77 | 4.250 | 4.249 | 0.002 | 75 | 456018 | 10.0 | |
| 48 Chlorobromomethane | 128 | 4.439 | 4.438 | 0.001 | 90 | 221507 | 9.85 | |
| 49 Tetrahydrofuran | 42 | 4.487 | 4.485 | 0.002 | 86 | 83262 | 9.03 | |
| 50 Chloroform | 83 | 4.498 | 4.497 | 0.001 | 82 | 768419 | 10.2 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.674 | 0.002 | 93 | 639289 | 10.4 | |
| 52 Cyclohexane | 56 | 4.735 | 4.733 | 0.002 | 89 | 668186 | 11.1 | |
| 53 1,1-Dichloropropene | 75 | 4.806 | 4.804 | 0.002 | 94 | 593885 | 10.8 | |
| 54 Carbon tetrachloride | 117 | 4.818 | 4.816 | 0.002 | 80 | 590025 | 10.6 | |
| 55 Isobutyl alcohol | 41 | 4.841 | 4.842 | -0.001 | 91 | 387506 | 473.3 | |
| 56 1,2-Dichloroethane | 62 | 4.972 | 4.982 | -0.010 | 51 | 629146 | 10.7 | |
| 57 Benzene | 78 | 4.983 | 4.982 | 0.001 | 96 | 1771542 | 10.6 | |
| 61 Trichloroethene | 130 | 5.516 | 5.514 | 0.002 | 91 | 476909 | 10.7 | |
| 63 Methylcyclohexane | 83 | 5.693 | 5.692 | 0.001 | 88 | 629878 | 10.9 | |
| 64 1,2-Dichloropropane | 63 | 5.705 | 5.703 | 0.002 | 85 | 392102 | 10.5 | |
| 66 Dibromomethane | 93 | 5.800 | 5.798 | 0.002 | 82 | 257902 | 11.0 | |
| 68 Dichlorobromomethane | 83 | 5.918 | 5.928 | -0.010 | 93 | 537600 | 10.7 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.166 | 6.165 | 0.001 | 92 | 167735 | 8.83 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.308 | 6.307 | 0.001 | 89 | 544175 | 9.91 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.438 | 6.437 | 0.001 | 95 | 540984 | 20.5 | |
| 73 Toluene | 91 | 6.627 | 6.626 | 0.001 | 91 | 1840736 | 10.6 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.793 | 6.792 | 0.001 | 94 | 473640 | 10.1 | |
| 76 1,1,2-Trichloroethane | 97 | 6.959 | 6.957 | 0.002 | 93 | 345588 | 10.8 | |
| 77 1,3-Dichloropropane | 76 | 7.112 | 7.123 | -0.011 | 90 | 591077 | 10.4 | |
| 78 Tetrachloroethene | 164 | 7.124 | 7.123 | 0.001 | 91 | 381048 | 10.2 | |
| 79 2-Hexanone | 43 | 7.183 | 7.182 | 0.001 | 97 | 348457 | 21.0 | |
| 81 Chlorodibromomethane | 129 | 7.325 | 7.336 | -0.011 | 89 | 341717 | 10.4 | |
| 83 Ethylene Dibromide | 107 | 7.444 | 7.442 | 0.002 | 98 | 322603 | 10.4 | |
| 85 Chlorobenzene | 112 | 7.905 | 7.904 | 0.001 | 96 | 1129897 | 10.4 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.976 | 7.975 | 0.002 | 88 | 399108 | 10.3 | |
| 87 Ethylbenzene | 106 | 8.000 | 7.998 | 0.002 | 98 | 608368 | 10.6 | |
| 88 m-Xylene & p-Xylene | 106 | 8.106 | 8.105 | 0.001 | 100 | 1558085 | 21.9 | |
| 89 o-Xylene | 106 | 8.485 | 8.483 | 0.002 | 92 | 735980 | 10.9 | |
| 90 Styrene | 104 | 8.496 | 8.495 | 0.001 | 91 | 1190135 | 10.0 | |
| 91 Bromoform | 173 | 8.674 | 8.672 | 0.002 | 94 | 198365 | 9.28 | |
| 92 Isopropylbenzene | 105 | 8.839 | 8.838 | 0.001 | 95 | 1773391 | 11.0 | |
| 94 Cyclohexanone | 55 | 8.922 | 8.923 | -0.001 | 89 | 138920 | 45.1 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.100 | 9.098 | 0.002 | 87 | 394112 | 10.0 | |
| 96 Bromobenzene | 156 | 9.135 | 9.146 | -0.011 | 91 | 487046 | 10.3 | |
| 97 1,2,3-Trichloropropane | 110 | 9.159 | 9.157 | 0.002 | 72 | 145620 | 10.7 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.159 | 9.157 | 0.002 | 76 | 201402 | 19.0 | |
| 99 N-Propylbenzene | 120 | 9.242 | 9.240 | 0.002 | 98 | 494436 | 11.0 | |
| 100 2-Chlorotoluene | 126 | 9.324 | 9.323 | 0.001 | 96 | 437321 | 10.6 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.407 | 9.406 | 0.001 | 94 | 1421033 | 11.0 | |
| 102 4-Chlorotoluene | 126 | 9.431 | 9.429 | 0.002 | 97 | 494977 | 10.9 | |
| 103 tert-Butylbenzene | 119 | 9.727 | 9.725 | 0.002 | 92 | 1272183 | 11.6 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.774 | 9.772 | 0.002 | 81 | 1433134 | 10.9 | |
| 105 sec-Butylbenzene | 105 | 9.951 | 9.950 | 0.001 | 92 | 1517335 | 10.8 | |
| 106 1,3-Dichlorobenzene | 146 | 10.058 | 10.056 | 0.002 | 96 | 864326 | 10.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 107 4-Isopropyltoluene | 119 | 10.081 | 10.092 | -0.011 | 92 | 1313455 | 11.1 | |
| 108 1,4-Dichlorobenzene | 146 | 10.141 | 10.139 | 0.002 | 92 | 899299 | 9.91 | |
| 109 1,2,3-Trimethylbenzene | 105 | 10.188 | 10.188 | 0.0 | 93 | 1403498 | 10.2 | |
| 110 n-Butylbenzene | 91 | 10.495 | 10.494 | 0.001 | 95 | 1019299 | 10.8 | |
| 111 1,2-Dichlorobenzene | 146 | 10.507 | 10.518 | -0.011 | 95 | 791678 | 10.1 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.276 | 11.275 | 0.001 | 72 | 48410 | 9.19 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.116 | 12.126 | -0.010 | 91 | 317245 | 8.71 | |
| 115 Hexachlorobutadiene | 225 | 12.293 | 12.292 | 0.001 | 93 | 147887 | 7.74 | |
| 116 Naphthalene | 128 | 12.364 | 12.363 | 0.001 | 100 | 590733 | 7.06 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.613 | 12.623 | -0.010 | 98 | 264970 | 7.90 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 40.5 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 21.0 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 32.8 | |

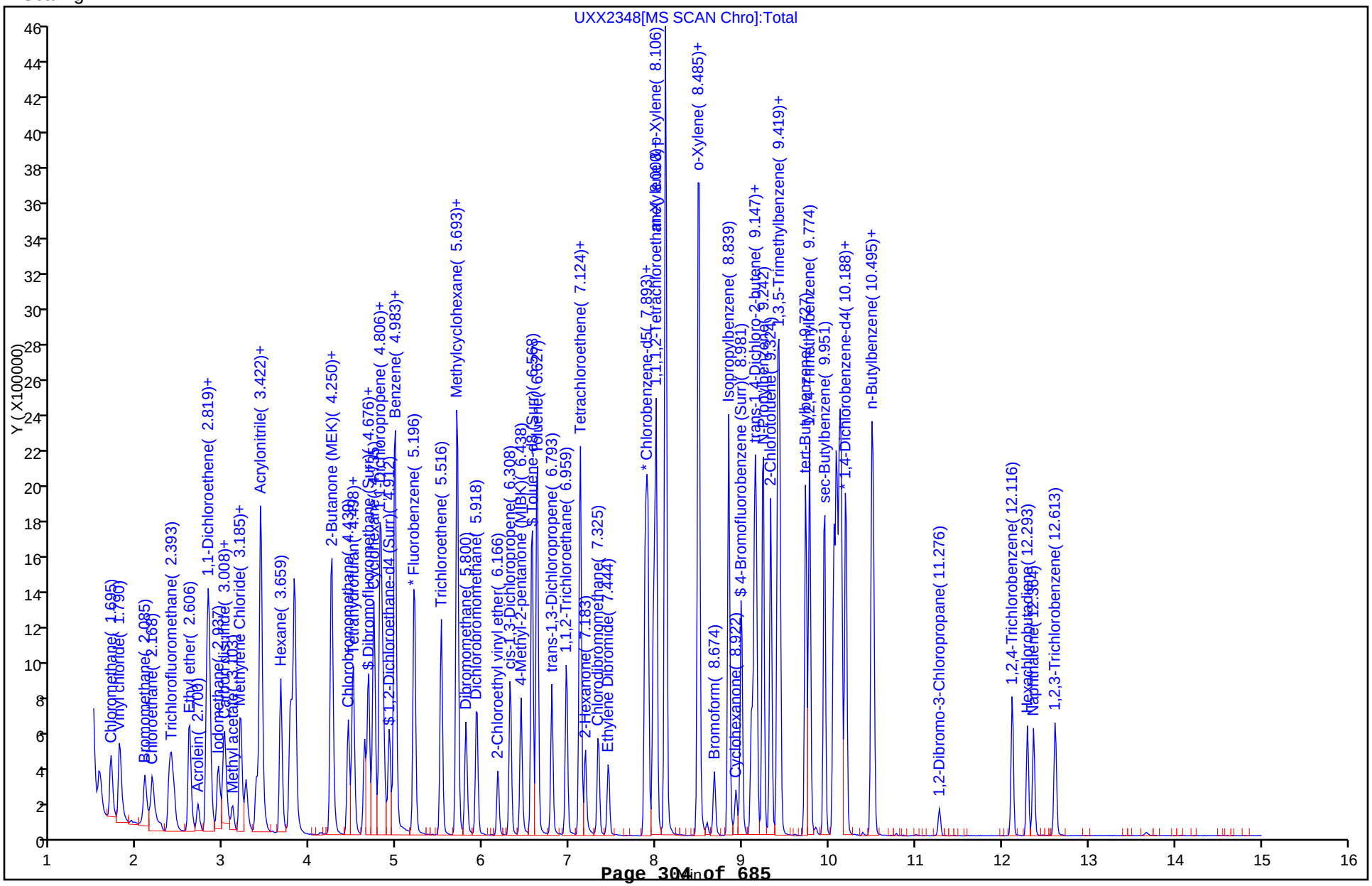
Report Date: 11-Feb-2013 15:28:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2348.D

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 14:00:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 14 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVIS 240-75367/3 Calibration Date: 02/14/2013 15:17

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2395.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.2599 | 0.3418 | | 13.2 | 10.0 | 31.5 | 50.0 |
| Chloromethane | Ave | 0.3752 | 0.4162 | 0.1000 | 11.1 | 10.0 | 10.9 | 50.0 |
| Vinyl chloride | Ave | 0.3782 | 0.4306 | | 11.4 | 10.0 | 13.9 | 20.0 |
| Bromomethane | Ave | 0.2146 | 0.2310 | | 10.8 | 10.0 | 7.7 | 50.0 |
| Chloroethane | Ave | 0.2462 | 0.2534 | | 10.3 | 10.0 | 2.9 | 50.0 |
| Trichlorofluoromethane | Ave | 0.4362 | 0.4390 | | 10.1 | 10.0 | 0.6 | 50.0 |
| Acrolein | Ave | 0.0392 | 0.0468 | | 120 | 100 | 19.5 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2906 | 0.2958 | | 10.2 | 10.0 | 1.8 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.2255 | 0.2313 | | 10.3 | 10.0 | 2.6 | 50.0 |
| Acetone | Ave | 0.0756 | 0.0795 | | 21.0 | 20.0 | 5.1 | 50.0 |
| Iodomethane | Ave | 0.4338 | 0.4580 | | 10.6 | 10.0 | 5.6 | 50.0 |
| Carbon disulfide | Ave | 0.7901 | 0.8281 | | 10.5 | 10.0 | 4.8 | 50.0 |
| Acetonitrile | Ave | 0.0193 | 0.0219 | | 113 | 100 | 13.4 | 50.0 |
| Methyl acetate | Ave | 0.1765 | 0.1672 | | 18.9 | 20.0 | -5.3 | 50.0 |
| Methylene Chloride | Lin1 | | 0.3157 | | 10.0 | 10.0 | 0.5 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0138 | 0.0131 | | 189 | 200 | -5.6 | 50.0 |
| Acrylonitrile | Ave | 0.0870 | 0.0893 | | 20.5 | 20.0 | 2.7 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7852 | 0.7390 | | 9.41 | 10.0 | -5.9 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2965 | 0.3134 | | 10.6 | 10.0 | 5.7 | 50.0 |
| Hexane | Ave | 0.0593 | 0.0620 | | 10.4 | 10.0 | 4.5 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.4833 | 0.4808 | 0.1000 | 9.95 | 10.0 | -0.5 | 50.0 |
| Vinyl acetate | Lin1 | | 0.0518 | | 11.0 | 10.0 | 9.8 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.0929 | 0.0920 | | 19.8 | 20.0 | -1.0 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.3029 | 0.3180 | | 10.5 | 10.0 | 5.0 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3051 | 0.2792 | | 9.15 | 10.0 | -8.5 | 50.0 |
| Chlorobromomethane | Ave | 0.1510 | 0.1524 | | 10.1 | 10.0 | 0.9 | 50.0 |
| Tetrahydrofuran | Ave | 0.0620 | 0.0561 | | 9.06 | 10.0 | -9.4 | 50.0 |
| Chloroform | Ave | 0.5065 | 0.5054 | | 9.98 | 10.0 | -0.2 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.4129 | 0.4007 | | 9.71 | 10.0 | -2.9 | 50.0 |
| Cyclohexane | Ave | 0.4029 | 0.4034 | | 10.0 | 10.0 | 0.1 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3695 | 0.3880 | | 10.5 | 10.0 | 5.0 | 50.0 |
| Carbon tetrachloride | Ave | 0.3739 | 0.3885 | | 10.4 | 10.0 | 3.9 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3956 | 0.4052 | | 10.2 | 10.0 | 2.4 | 50.0 |
| Benzene | Ave | 1.124 | 1.185 | | 10.5 | 10.0 | 5.4 | 50.0 |
| Trichloroethene | Ave | 0.2986 | 0.3017 | | 10.1 | 10.0 | 1.0 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2500 | 0.2602 | | 10.4 | 10.0 | 4.1 | 20.0 |
| Methylcyclohexane | Ave | 0.3870 | 0.3965 | | 10.2 | 10.0 | 2.5 | 50.0 |
| 1,4-Dioxane | Qua | | 0.0014 | | 476 | 500 | -4.7 | 50.0 |
| Dibromomethane | Ave | 0.1580 | 0.1679 | | 10.6 | 10.0 | 6.3 | 50.0 |
| Dichlorobromomethane | Ave | 0.3375 | 0.3466 | | 10.3 | 10.0 | 2.7 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVIS 240-75367/3 Calibration Date: 02/14/2013 15:17

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2395.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloroethyl vinyl ether | Lin1 | | 0.1257 | | 18.6 | 20.0 | -7.1 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.3689 | 0.3738 | | 10.1 | 10.0 | 1.3 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.1776 | 0.1859 | | 20.9 | 20.0 | 4.7 | 50.0 |
| Toluene | Ave | 1.614 | 1.675 | | 10.4 | 10.0 | 3.8 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4365 | 0.4206 | | 9.64 | 10.0 | -3.6 | 50.0 |
| Ethyl methacrylate | Lin1 | | 0.3482 | | 9.00 | 10.0 | -10.0 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2983 | 0.2993 | | 10.0 | 10.0 | 0.3 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5250 | 0.5208 | | 9.92 | 10.0 | -0.8 | 50.0 |
| Tetrachloroethene | Ave | 0.3451 | 0.3408 | | 9.87 | 10.0 | -1.3 | 50.0 |
| 2-Hexanone | Ave | 0.1541 | 0.1536 | | 19.9 | 20.0 | -0.3 | 50.0 |
| Chlorodibromomethane | Ave | 0.3060 | 0.3275 | | 10.7 | 10.0 | 7.0 | 50.0 |
| Ethylene Dibromide | Ave | 0.2873 | 0.2982 | | 10.4 | 10.0 | 3.8 | 50.0 |
| Chlorobenzene | Ave | 1.013 | 1.021 | 0.3000 | 10.1 | 10.0 | 0.8 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.3590 | 0.3640 | | 10.1 | 10.0 | 1.4 | 50.0 |
| Ethylbenzene | Ave | 0.5311 | 0.5550 | | 10.4 | 10.0 | 4.5 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.6600 | 0.6991 | | 21.2 | 20.0 | 5.9 | 50.0 |
| o-Xylene | Ave | 0.6264 | 0.6649 | | 10.6 | 10.0 | 6.2 | 50.0 |
| Styrene | Lin1 | | 1.068 | | 9.68 | 10.0 | -3.2 | 50.0 |
| Bromoform | Lin1 | | 0.1900 | 0.1000 | 9.57 | 10.0 | -4.3 | 50.0 |
| Isopropylbenzene | Ave | 1.490 | 1.609 | | 10.8 | 10.0 | 8.0 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6300 | 0.5881 | 0.3000 | 9.33 | 10.0 | -6.7 | 50.0 |
| Bromobenzene | Ave | 0.7563 | 0.7288 | | 9.64 | 10.0 | -3.6 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2183 | 0.2120 | | 9.71 | 10.0 | -2.9 | 50.0 |
| trans-1,4-Dichloro-2-butene | Lin1 | | 0.1409 | | 8.60 | 10.0 | -14.0 | 50.0 |
| N-Propylbenzene | Ave | 0.7208 | 0.7223 | | 10.0 | 10.0 | 0.2 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6591 | 0.6656 | | 10.1 | 10.0 | 1.0 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.069 | 2.162 | | 10.4 | 10.0 | 4.5 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7277 | 0.7236 | | 9.94 | 10.0 | -0.6 | 50.0 |
| tert-Butylbenzene | Ave | 1.759 | 1.919 | | 10.9 | 10.0 | 9.1 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.095 | 2.195 | | 10.5 | 10.0 | 4.8 | 50.0 |
| sec-Butylbenzene | Ave | 2.256 | 2.345 | | 10.4 | 10.0 | 4.0 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.340 | 1.324 | | 9.88 | 10.0 | -1.2 | 50.0 |
| 4-Isopropyltoluene | Ave | 1.891 | 2.008 | | 10.6 | 10.0 | 6.2 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.452 | 1.402 | | 9.66 | 10.0 | -3.4 | 50.0 |
| n-Butylbenzene | Ave | 1.513 | 1.553 | | 10.3 | 10.0 | 2.6 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.257 | 1.260 | | 10.0 | 10.0 | 0.2 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.0843 | 0.0789 | | 9.36 | 10.0 | -6.4 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 0.7205 | 0.7255 | | 10.1 | 10.0 | 0.7 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.5829 | 0.5400 | | 9.26 | 10.0 | -7.4 | 50.0 |
| Hexachlorobutadiene | Ave | 0.3055 | 0.2512 | | 8.22 | 10.0 | -17.8 | 50.0 |
| Naphthalene | Lin1 | | 0.9853 | | 7.34 | 10.0 | -26.6 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVIS 240-75367/3 Calibration Date: 02/14/2013 15:17

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2395.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | Ave | 0.5369 | 0.4502 | | 8.38 | 10.0 | -16.2 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2736 | 0.2380 | | 8.70 | 10.0 | -13.0 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3629 | 0.3014 | | 8.30 | 10.0 | -17.0 | 50.0 |
| Toluene-d8 (Surr) | Ave | 1.412 | 1.263 | | 8.94 | 10.0 | -10.6 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4562 | 0.4614 | | 10.1 | 10.0 | 1.2 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2395.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 14-Feb-2013 15:17:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0017353-003
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 75367 Lims Sample ID: 3
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:41 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 14-Feb-2013 15:38:07

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.197 | 5.197 | 0.0 | 99 | 1713150 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.882 | 7.882 | 0.0 | 83 | 1291782 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 82 | 793958 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.629 | 4.629 | 0.0 | 58 | 407769 | 8.70 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.913 | 4.913 | 0.0 | 0 | 516269 | 8.30 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.569 | 6.569 | 0.0 | 91 | 1630960 | 8.94 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.982 | 8.982 | 0.0 | 94 | 596072 | 10.1 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.565 | 0.0 | 98 | 585516 | 13.2 | |
| 13 Chloromethane | 50 | 1.695 | 1.695 | 0.0 | 88 | 713040 | 11.1 | |
| 14 Vinyl chloride | 62 | 1.790 | 1.790 | 0.0 | 98 | 737689 | 11.4 | |
| 16 Bromomethane | 94 | 2.086 | 2.086 | 0.0 | 89 | 395784 | 10.8 | |
| 17 Chloroethane | 64 | 2.169 | 2.169 | 0.0 | 99 | 434041 | 10.3 | |
| 19 Trichlorofluoromethane | 101 | 2.393 | 2.393 | 0.0 | 85 | 752024 | 10.1 | |
| 21 Acrolein | 56 | 2.701 | 2.701 | 0.0 | 95 | 801967 | 119.5 | |
| 23 1,1-Dichloroethene | 96 | 2.807 | 2.807 | 0.0 | 90 | 506763 | 10.2 | |
| 24 Acetone | 43 | 2.831 | 2.831 | 0.0 | 66 | 272244 | 21.0 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.831 | 2.831 | 0.0 | 83 | 396245 | 10.3 | |
| 26 Iodomethane | 142 | 2.937 | 2.937 | 0.0 | 98 | 784613 | 10.6 | |
| 27 Carbon disulfide | 76 | 3.008 | 3.008 | 0.0 | 99 | 1418642 | 10.5 | |
| 28 Acetonitrile | 41 | 3.044 | 3.044 | 0.0 | 100 | 374944 | 113.4 | |
| 30 Methyl acetate | 43 | 3.103 | 3.103 | 0.0 | 95 | 572730 | 18.9 | |
| 31 Methylene Chloride | 84 | 3.198 | 3.198 | 0.0 | 86 | 540780 | 10.0 | |
| 32 2-Methyl-2-propanol | 59 | 3.257 | 3.257 | 0.0 | 94 | 447075 | 188.8 | |
| 33 Acrylonitrile | 53 | 3.375 | 3.375 | 0.0 | 99 | 306090 | 20.5 | |
| 35 Methyl tert-butyl ether | 73 | 3.422 | 3.422 | 0.0 | 91 | 1265971 | 9.41 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.434 | 3.434 | 0.0 | 73 | 536810 | 10.6 | |
| 36 Hexane | 86 | 3.659 | 3.659 | 0.0 | 93 | 106132 | 10.4 | |
| 37 1,1-Dichloroethane | 63 | 3.765 | 3.765 | 0.0 | 85 | 823694 | 9.95 | |
| 38 Vinyl acetate | 86 | 3.789 | 3.789 | 0.0 | 97 | 88693 | 11.0 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 42 2-Butanone (MEK) | 43 | 4.239 | 4.239 | 0.0 | 87 | 315118 | 19.8 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.239 | 4.239 | 0.0 | 84 | 544825 | 10.5 | |
| 44 2,2-Dichloropropane | 77 | 4.250 | 4.250 | 0.0 | 90 | 478250 | 9.15 | |
| 48 Chlorobromomethane | 128 | 4.440 | 4.440 | 0.0 | 88 | 261121 | 10.1 | |
| 49 Tetrahydrofuran | 42 | 4.487 | 4.487 | 0.0 | 93 | 96151 | 9.06 | |
| 50 Chloroform | 83 | 4.499 | 4.499 | 0.0 | 82 | 865850 | 9.98 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.676 | 0.0 | 90 | 686490 | 9.71 | |
| 52 Cyclohexane | 56 | 4.735 | 4.735 | 0.0 | 88 | 691047 | 10.0 | |
| 53 1,1-Dichloropropene | 75 | 4.806 | 4.806 | 0.0 | 94 | 664667 | 10.5 | |
| 54 Carbon tetrachloride | 117 | 4.818 | 4.818 | 0.0 | 79 | 665547 | 10.4 | |
| 56 1,2-Dichloroethane | 62 | 4.972 | 4.972 | 0.0 | 50 | 694233 | 10.2 | |
| 57 Benzene | 78 | 4.984 | 4.984 | 0.0 | 95 | 2029274 | 10.5 | |
| 61 Trichloroethene | 130 | 5.516 | 5.516 | 0.0 | 93 | 516822 | 10.1 | |
| 64 1,2-Dichloropropane | 63 | 5.693 | 5.693 | 0.0 | 74 | 445740 | 10.4 | |
| 63 Methylcyclohexane | 83 | 5.693 | 5.693 | 0.0 | 86 | 679286 | 10.2 | |
| 66 Dibromomethane | 93 | 5.800 | 5.800 | 0.0 | 88 | 287660 | 10.6 | |
| 67 1,4-Dioxane | 88 | 5.800 | 5.800 | 0.0 | 44 | 121083 | 476.3 | |
| 68 Dichlorobromomethane | 83 | 5.918 | 5.918 | 0.0 | 92 | 593796 | 10.3 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.167 | 6.167 | 0.0 | 93 | 430588 | 18.6 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.309 | 6.309 | 0.0 | 90 | 640286 | 10.1 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.439 | 6.439 | 0.0 | 96 | 636961 | 20.9 | |
| 73 Toluene | 91 | 6.628 | 6.628 | 0.0 | 97 | 2163547 | 10.4 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.794 | 6.794 | 0.0 | 89 | 543378 | 9.64 | |
| 75 Ethyl methacrylate | 69 | 6.864 | 6.864 | 0.0 | 87 | 449846 | 9.00 | |
| 76 1,1,2-Trichloroethane | 97 | 6.959 | 6.959 | 0.0 | 88 | 386677 | 10.0 | |
| 77 1,3-Dichloropropane | 76 | 7.113 | 7.113 | 0.0 | 89 | 672741 | 9.92 | |
| 78 Tetrachloroethene | 164 | 7.125 | 7.125 | 0.0 | 88 | 440224 | 9.87 | |
| 79 2-Hexanone | 43 | 7.184 | 7.184 | 0.0 | 95 | 396792 | 19.9 | |
| 81 Chlorodibromomethane | 129 | 7.326 | 7.326 | 0.0 | 86 | 423109 | 10.7 | |
| 83 Ethylene Dibromide | 107 | 7.444 | 7.444 | 0.0 | 97 | 385227 | 10.4 | |
| 85 Chlorobenzene | 112 | 7.905 | 7.905 | 0.0 | 96 | 1319349 | 10.1 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.976 | 7.976 | 0.0 | 83 | 470154 | 10.1 | |
| 87 Ethylbenzene | 106 | 8.000 | 8.000 | 0.0 | 98 | 716870 | 10.4 | |
| 88 m-Xylene & p-Xylene | 106 | 8.106 | 8.106 | 0.0 | 100 | 1806274 | 21.2 | |
| 89 o-Xylene | 106 | 8.485 | 8.485 | 0.0 | 92 | 858902 | 10.6 | |
| 90 Styrene | 104 | 8.497 | 8.497 | 0.0 | 90 | 1379696 | 9.68 | |
| 91 Bromoform | 173 | 8.674 | 8.674 | 0.0 | 95 | 245492 | 9.57 | |
| 92 Isopropylbenzene | 105 | 8.840 | 8.840 | 0.0 | 95 | 2078412 | 10.8 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.100 | 9.100 | 0.0 | 95 | 466899 | 9.33 | |
| 96 Bromobenzene | 156 | 9.136 | 9.136 | 0.0 | 93 | 578656 | 9.64 | |
| 97 1,2,3-Trichloropropane | 110 | 9.159 | 9.159 | 0.0 | 79 | 168278 | 9.71 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.159 | 9.159 | 0.0 | 65 | 111826 | 8.60 | |
| 99 N-Propylbenzene | 120 | 9.242 | 9.242 | 0.0 | 98 | 573471 | 10.0 | |
| 100 2-Chlorotoluene | 126 | 9.325 | 9.325 | 0.0 | 96 | 528435 | 10.1 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.408 | 9.408 | 0.0 | 94 | 1716156 | 10.4 | |
| 102 4-Chlorotoluene | 126 | 9.431 | 9.431 | 0.0 | 98 | 574529 | 9.94 | |
| 103 tert-Butylbenzene | 119 | 9.727 | 9.727 | 0.0 | 92 | 1523273 | 10.9 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.774 | 9.774 | 0.0 | 81 | 1742883 | 10.5 | |
| 105 sec-Butylbenzene | 105 | 9.952 | 9.952 | 0.0 | 93 | 1862110 | 10.4 | |
| 106 1,3-Dichlorobenzene | 146 | 10.058 | 10.058 | 0.0 | 97 | 1051192 | 9.88 | |
| 107 4-Isopropyltoluene | 119 | 10.082 | 10.082 | 0.0 | 96 | 1594645 | 10.6 | |
| 108 1,4-Dichlorobenzene | 146 | 10.141 | 10.141 | 0.0 | 93 | 1113384 | 9.66 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 n-Butylbenzene | 91 | 10.496 | 10.496 | 0.0 | 94 | 1232712 | 10.3 | |
| 111 1,2-Dichlorobenzene | 146 | 10.508 | 10.508 | 0.0 | 96 | 1000187 | 10.0 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.277 | 11.277 | 0.0 | 69 | 62643 | 9.36 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.501 | 11.501 | 0.0 | 97 | 575981 | 10.1 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.116 | 12.116 | 0.0 | 92 | 428701 | 9.26 | |
| 115 Hexachlorobutadiene | 225 | 12.294 | 12.294 | 0.0 | 95 | 199418 | 8.22 | |
| 116 Naphthalene | 128 | 12.365 | 12.365 | 0.0 | 100 | 782320 | 7.34 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.613 | 12.613 | 0.0 | 97 | 357427 | 8.38 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 40.5 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 21.1 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 19.8 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 31.8 | |

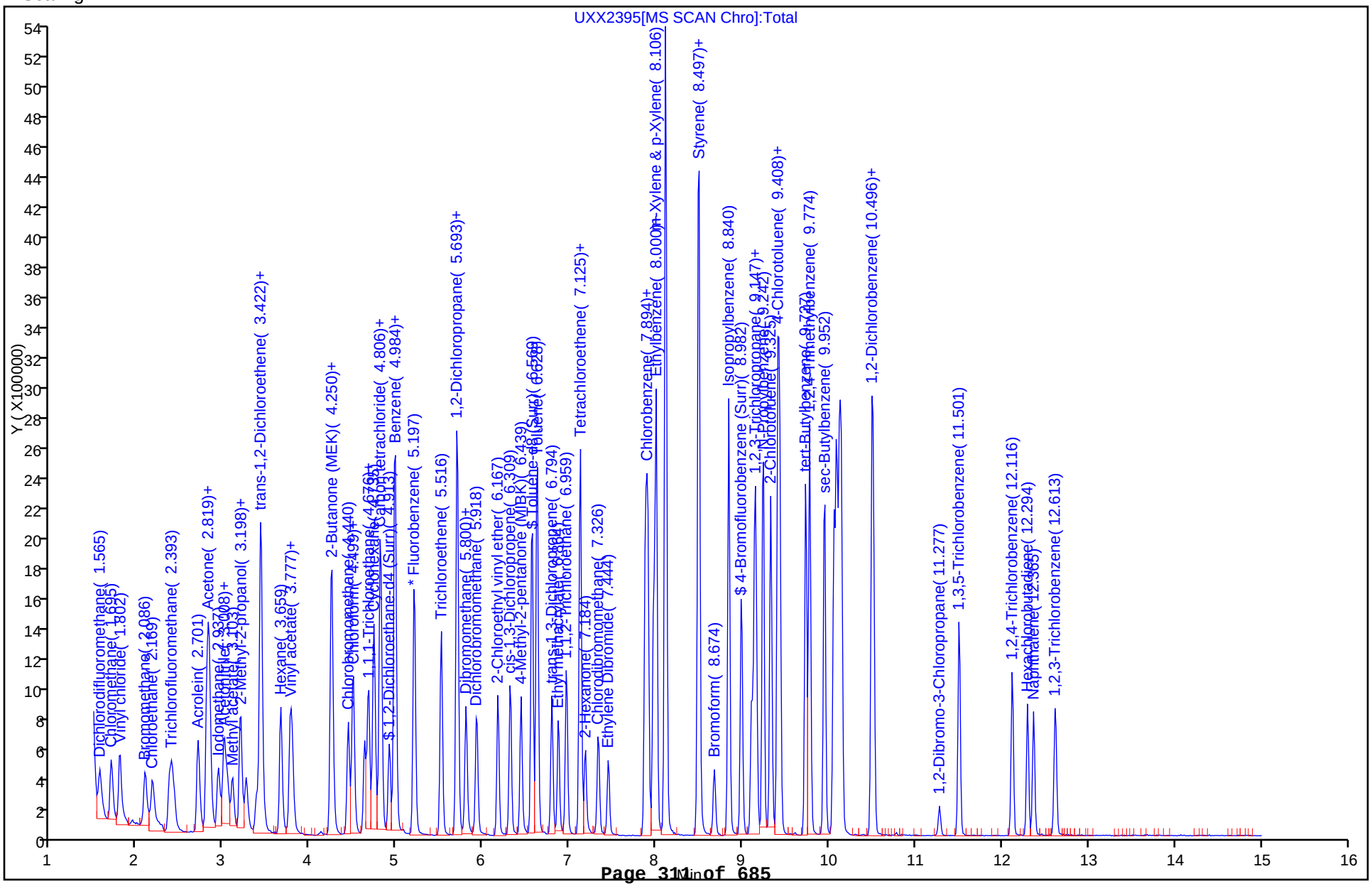
Report Date: 15-Feb-2013 08:17:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2395.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 15:17:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 3 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVIS 240-75453/2 Calibration Date: 02/15/2013 10:14

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2421.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.2599 | 0.3024 | | 11.6 | 10.0 | 16.4 | 50.0 |
| Chloromethane | Ave | 0.3752 | 0.3776 | 0.1000 | 10.1 | 10.0 | 0.6 | 50.0 |
| Vinyl chloride | Ave | 0.3782 | 0.3879 | | 10.3 | 10.0 | 2.6 | 20.0 |
| Bromomethane | Ave | 0.2146 | 0.2134 | | 9.95 | 10.0 | -0.5 | 50.0 |
| Chloroethane | Ave | 0.2462 | 0.2304 | | 9.36 | 10.0 | -6.4 | 50.0 |
| Trichlorofluoromethane | Ave | 0.4362 | 0.4530 | | 10.4 | 10.0 | 3.9 | 50.0 |
| Acrolein | Ave | 0.0392 | 0.0422 | | 108 | 100 | 7.8 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.2906 | 0.3005 | | 10.3 | 10.0 | 3.4 | 20.0 |
| Acetone | Ave | 0.0756 | 0.0616 | | 16.3 | 20.0 | -18.4 | 50.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave | 0.2255 | 0.2316 | | 10.3 | 10.0 | 2.7 | 50.0 |
| Iodomethane | Ave | 0.4338 | 0.4302 | | 9.92 | 10.0 | -0.8 | 50.0 |
| Carbon disulfide | Ave | 0.7901 | 0.8229 | | 10.4 | 10.0 | 4.1 | 50.0 |
| Acetonitrile | Ave | 0.0193 | 0.0172 | | 89.3 | 100 | -10.7 | 50.0 |
| Methyl acetate | Ave | 0.1765 | 0.1475 | | 16.7 | 20.0 | -16.4 | 50.0 |
| Methylene Chloride | Lin1 | | 0.2993 | | 9.49 | 10.0 | -5.1 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0138 | 0.0099 | | 143 | 200 | -28.5 | 50.0 |
| Acrylonitrile | Ave | 0.0870 | 0.0792 | | | 20.0 | -9.0 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7852 | 0.6722 | | 8.56 | 10.0 | -14.4 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2965 | 0.2935 | | 9.90 | 10.0 | -1.0 | 50.0 |
| Hexane | Ave | 0.0593 | 0.0596 | | 10.1 | 10.0 | 0.5 | 20.0 |
| 1,1-Dichloroethane | Ave | 0.4833 | 0.4626 | 0.1000 | 9.57 | 10.0 | -4.3 | 50.0 |
| Vinyl acetate | Lin1 | | 0.0457 | | 9.75 | 10.0 | -2.5 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.0929 | 0.0790 | | 17.0 | 20.0 | -15.0 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.3029 | 0.2933 | | 9.68 | 10.0 | -3.2 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3051 | 0.2816 | | 9.23 | 10.0 | -7.7 | 50.0 |
| Chlorobromomethane | Ave | 0.1510 | 0.1425 | | 9.43 | 10.0 | -5.7 | 50.0 |
| Tetrahydrofuran | Ave | 0.0620 | 0.0476 | | 7.67 | 10.0 | -23.3 | 50.0 |
| Chloroform | Ave | 0.5065 | 0.4735 | | 9.35 | 10.0 | -6.5 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.4129 | 0.3896 | | 9.44 | 10.0 | -5.6 | 50.0 |
| Cyclohexane | Ave | 0.4029 | 0.4086 | | 10.1 | 10.0 | 1.4 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3695 | 0.3699 | | 10.0 | 10.0 | 0.1 | 50.0 |
| Carbon tetrachloride | Ave | 0.3739 | 0.3670 | | 9.82 | 10.0 | -1.8 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3956 | 0.3652 | | 9.23 | 10.0 | -7.7 | 50.0 |
| Benzene | Ave | 1.124 | 1.065 | | 9.48 | 10.0 | -5.2 | 50.0 |
| Trichloroethene | Ave | 0.2986 | 0.2884 | | 9.66 | 10.0 | -3.4 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2500 | 0.2340 | | 9.36 | 10.0 | -6.4 | 20.0 |
| Methylcyclohexane | Ave | 0.3870 | 0.3730 | | 9.64 | 10.0 | -3.6 | 50.0 |
| 1,4-Dioxane | Qua | | 0.0010 | | 355 | 500 | -29.0 | 50.0 |
| Dibromomethane | Ave | 0.1580 | 0.1473 | | 9.33 | 10.0 | -6.7 | 50.0 |
| Dichlorobromomethane | Ave | 0.3375 | 0.3200 | | 9.48 | 10.0 | -5.2 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVIS 240-75453/2 Calibration Date: 02/15/2013 10:14

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2421.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloroethyl vinyl ether | Lin1 | | 0.1059 | | 15.8 | 20.0 | -21.0 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.3689 | 0.3357 | | 9.10 | 10.0 | -9.0 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.1776 | 0.1517 | | 17.1 | 20.0 | -14.6 | 50.0 |
| Toluene | Ave | 1.614 | 1.672 | | 10.4 | 10.0 | 3.6 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4365 | 0.4173 | | 9.56 | 10.0 | -4.4 | 50.0 |
| Ethyl methacrylate | Lin1 | | 0.3530 | | 9.12 | 10.0 | -8.8 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2983 | 0.2951 | | 9.89 | 10.0 | -1.1 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5250 | 0.5281 | | 10.1 | 10.0 | 0.6 | 50.0 |
| Tetrachloroethene | Ave | 0.3451 | 0.3439 | | 9.97 | 10.0 | -0.3 | 50.0 |
| 2-Hexanone | Ave | 0.1541 | 0.1429 | | 18.5 | 20.0 | -7.3 | 50.0 |
| Chlorodibromomethane | Ave | 0.3060 | 0.3185 | | 10.4 | 10.0 | 4.1 | 50.0 |
| Ethylene Dibromide | Ave | 0.2873 | 0.2966 | | 10.3 | 10.0 | 3.2 | 50.0 |
| Chlorobenzene | Ave | 1.013 | 1.020 | 0.3000 | 10.1 | 10.0 | 0.8 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.3590 | 0.3567 | | 9.94 | 10.0 | -0.6 | 50.0 |
| Ethylbenzene | Ave | 0.5311 | 0.5461 | | 10.3 | 10.0 | 2.8 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.6600 | 0.7086 | | 21.5 | 20.0 | 7.4 | 50.0 |
| o-Xylene | Ave | 0.6264 | 0.6676 | | 10.7 | 10.0 | 6.6 | 50.0 |
| Styrene | Lin1 | | 1.055 | | 9.57 | 10.0 | -4.3 | 50.0 |
| Bromoform | Lin1 | | 0.1829 | 0.1000 | 9.22 | 10.0 | -7.8 | 50.0 |
| Isopropylbenzene | Ave | 1.490 | 1.595 | | 10.7 | 10.0 | 7.0 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.6300 | 0.6282 | 0.3000 | 9.97 | 10.0 | -0.3 | 50.0 |
| Bromobenzene | Ave | 0.7563 | 0.7815 | | 10.3 | 10.0 | 3.3 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2183 | 0.2126 | | 9.74 | 10.0 | -2.6 | 50.0 |
| trans-1,4-Dichloro-2-butene | Lin1 | | 0.1445 | | 8.81 | 10.0 | -11.9 | 50.0 |
| N-Propylbenzene | Ave | 0.7208 | 0.7682 | | 10.7 | 10.0 | 6.6 | 50.0 |
| 2-Chlorotoluene | Ave | 0.6591 | 0.6958 | | 10.6 | 10.0 | 5.6 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.069 | 2.211 | | 10.7 | 10.0 | 6.9 | 50.0 |
| 4-Chlorotoluene | Ave | 0.7277 | 0.7653 | | 10.5 | 10.0 | 5.2 | 50.0 |
| tert-Butylbenzene | Ave | 1.759 | 1.995 | | 11.3 | 10.0 | 13.4 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.095 | 2.245 | | 10.7 | 10.0 | 7.2 | 50.0 |
| sec-Butylbenzene | Ave | 2.256 | 2.339 | | 10.4 | 10.0 | 3.7 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.340 | 1.372 | | 10.2 | 10.0 | 2.4 | 50.0 |
| 4-Isopropyltoluene | Ave | 1.891 | 2.010 | | 10.6 | 10.0 | 6.2 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.452 | 1.472 | | 10.1 | 10.0 | 1.4 | 50.0 |
| n-Butylbenzene | Ave | 1.513 | 1.509 | | 9.97 | 10.0 | -0.3 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.257 | 1.288 | | 10.2 | 10.0 | 2.4 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.0843 | 0.0735 | | 8.72 | 10.0 | -12.8 | 50.0 |
| 1,3,5-Trichlorobenzene | Ave | 0.7205 | 0.6577 | | 9.13 | 10.0 | -8.7 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.5829 | 0.4647 | | 7.97 | 10.0 | -20.3 | 50.0 |
| Hexachlorobutadiene | Ave | 0.3055 | 0.2280 | | 7.46 | 10.0 | -25.4 | 50.0 |
| Naphthalene | Lin1 | | 0.8118 | | 6.12 | 10.0 | -38.8 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVIS 240-75453/2 Calibration Date: 02/15/2013 10:14

Instrument ID: A3UX10 Calib Start Date: 02/11/2013 09:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/11/2013 11:29

Lab File ID: UXX2421.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | Ave | 0.5369 | 0.3777 | | 7.03 | 10.0 | -29.7 | 50.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2736 | 0.2392 | | 8.74 | 10.0 | -12.6 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3629 | 0.2933 | | 8.08 | 10.0 | -19.2 | 50.0 |
| Toluene-d8 (Surr) | Ave | 1.412 | 1.323 | | 9.37 | 10.0 | -6.3 | 50.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4562 | 0.4326 | | 9.48 | 10.0 | -5.2 | 50.0 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2421.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 15-Feb-2013 10:14:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0017373-002
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 75453 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:30 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 10:33:13

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.196 | 5.196 | 0.0 | 99 | 1997482 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.870 | 7.870 | 0.0 | 87 | 1322536 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 83 | 756887 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.629 | 4.629 | 0.0 | 56 | 477871 | 8.74 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.913 | 4.913 | 0.0 | 0 | 585822 | 8.08 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.569 | 6.569 | 0.0 | 93 | 1750004 | 9.37 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.982 | 8.982 | 0.0 | 95 | 572105 | 9.48 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.565 | 0.0 | 87 | 604096 | 11.6 | |
| 13 Chloromethane | 50 | 1.695 | 1.695 | 0.0 | 89 | 754145 | 10.1 | |
| 14 Vinyl chloride | 62 | 1.790 | 1.790 | 0.0 | 83 | 774828 | 10.3 | |
| 16 Bromomethane | 94 | 2.086 | 2.086 | 0.0 | 90 | 426234 | 9.95 | |
| 17 Chloroethane | 64 | 2.168 | 2.168 | 0.0 | 94 | 460246 | 9.36 | |
| 19 Trichlorofluoromethane | 101 | 2.381 | 2.381 | 0.0 | 86 | 904869 | 10.4 | |
| 21 Acrolein | 56 | 2.701 | 2.701 | 0.0 | 96 | 843465 | 107.8 | |
| 23 1,1-Dichloroethene | 96 | 2.807 | 2.807 | 0.0 | 90 | 600163 | 10.3 | |
| 24 Acetone | 43 | 2.819 | 2.819 | 0.0 | 54 | 246220 | 16.3 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.831 | 2.831 | 0.0 | 82 | 462658 | 10.3 | |
| 26 Iodomethane | 142 | 2.937 | 2.937 | 0.0 | 97 | 859281 | 9.92 | |
| 27 Carbon disulfide | 76 | 3.008 | 3.008 | 0.0 | 99 | 1643671 | 10.4 | |
| 28 Acetonitrile | 41 | 3.044 | 3.044 | 0.0 | 97 | 344084 | 89.3 | |
| 30 Methyl acetate | 43 | 3.103 | 3.103 | 0.0 | 96 | 589396 | 16.7 | |
| 31 Methylene Chloride | 84 | 3.186 | 3.186 | 0.0 | 86 | 597772 | 9.49 | |
| 32 2-Methyl-2-propanol | 59 | 3.257 | 3.257 | 0.0 | 96 | 394741 | 143.0 | |
| 33 Acrylonitrile | 53 | 3.375 | 3.375 | 0.0 | 96 | 316216 | 18.2 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.422 | 3.422 | 0.0 | 88 | 586156 | 9.90 | |
| 35 Methyl tert-butyl ether | 73 | 3.422 | 3.422 | 0.0 | 90 | 1342695 | 8.56 | |
| 36 Hexane | 86 | 3.659 | 3.659 | 0.0 | 90 | 119034 | 10.1 | |
| 37 1,1-Dichloroethane | 63 | 3.765 | 3.765 | 0.0 | 85 | 924099 | 9.57 | |
| 38 Vinyl acetate | 86 | 3.789 | 3.789 | 0.0 | 97 | 91311 | 9.75 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 42 2-Butanone (MEK) | 43 | 4.238 | 4.238 | 0.0 | 49 | 315493 | 17.0 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.238 | 4.238 | 0.0 | 69 | 585949 | 9.68 | |
| 44 2,2-Dichloropropane | 77 | 4.250 | 4.250 | 0.0 | 84 | 562507 | 9.23 | |
| 48 Chlorobromomethane | 128 | 4.439 | 4.439 | 0.0 | 89 | 284608 | 9.43 | |
| 49 Tetrahydrofuran | 42 | 4.487 | 4.487 | 0.0 | 86 | 94988 | 7.67 | |
| 50 Chloroform | 83 | 4.499 | 4.499 | 0.0 | 82 | 945812 | 9.35 | |
| 51 1,1,1-Trichloroethane | 97 | 4.676 | 4.676 | 0.0 | 88 | 778173 | 9.44 | |
| 52 Cyclohexane | 56 | 4.735 | 4.735 | 0.0 | 87 | 816084 | 10.1 | |
| 53 1,1-Dichloropropene | 75 | 4.806 | 4.806 | 0.0 | 93 | 738844 | 10.0 | |
| 54 Carbon tetrachloride | 117 | 4.818 | 4.818 | 0.0 | 80 | 733094 | 9.82 | |
| 56 1,2-Dichloroethane | 62 | 4.972 | 4.972 | 0.0 | 73 | 729450 | 9.23 | |
| 57 Benzene | 78 | 4.984 | 4.984 | 0.0 | 95 | 2127705 | 9.48 | |
| 61 Trichloroethene | 130 | 5.516 | 5.516 | 0.0 | 92 | 576064 | 9.66 | |
| 63 Methylcyclohexane | 83 | 5.693 | 5.693 | 0.0 | 89 | 744989 | 9.64 | |
| 64 1,2-Dichloropropane | 63 | 5.693 | 5.693 | 0.0 | 90 | 467312 | 9.36 | |
| 66 Dibromomethane | 93 | 5.800 | 5.800 | 0.0 | 87 | 294298 | 9.33 | |
| 67 1,4-Dioxane | 88 | 5.800 | 5.800 | 0.0 | 36 | 104239 | 355.0 | |
| 68 Dichlorobromomethane | 83 | 5.918 | 5.918 | 0.0 | 91 | 639145 | 9.48 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.166 | 6.166 | 0.0 | 91 | 423134 | 15.8 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.308 | 6.308 | 0.0 | 89 | 670579 | 9.10 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.438 | 6.438 | 0.0 | 95 | 606062 | 17.1 | |
| 73 Toluene | 91 | 6.628 | 6.628 | 0.0 | 97 | 2211697 | 10.4 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.793 | 6.793 | 0.0 | 90 | 551930 | 9.56 | |
| 75 Ethyl methacrylate | 69 | 6.864 | 6.864 | 0.0 | 87 | 466883 | 9.12 | |
| 76 1,1,2-Trichloroethane | 97 | 6.959 | 6.959 | 0.0 | 88 | 390214 | 9.89 | |
| 77 1,3-Dichloropropane | 76 | 7.113 | 7.113 | 0.0 | 89 | 698421 | 10.1 | |
| 78 Tetrachloroethene | 164 | 7.124 | 7.124 | 0.0 | 98 | 454821 | 9.97 | |
| 79 2-Hexanone | 43 | 7.184 | 7.184 | 0.0 | 94 | 377844 | 18.5 | |
| 81 Chlorodibromomethane | 129 | 7.326 | 7.326 | 0.0 | 85 | 421265 | 10.4 | |
| 83 Ethylene Dibromide | 107 | 7.444 | 7.444 | 0.0 | 95 | 392287 | 10.3 | |
| 85 Chlorobenzene | 112 | 7.905 | 7.905 | 0.0 | 91 | 1349641 | 10.1 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.964 | 7.964 | 0.0 | 84 | 471793 | 9.94 | |
| 87 Ethylbenzene | 106 | 8.000 | 8.000 | 0.0 | 98 | 722282 | 10.3 | |
| 88 m-Xylene & p-Xylene | 106 | 8.106 | 8.106 | 0.0 | 100 | 1874258 | 21.5 | |
| 89 o-Xylene | 106 | 8.485 | 8.485 | 0.0 | 91 | 882865 | 10.7 | |
| 90 Styrene | 104 | 8.497 | 8.497 | 0.0 | 90 | 1395418 | 9.57 | |
| 91 Bromoform | 173 | 8.674 | 8.674 | 0.0 | 95 | 241884 | 9.22 | |
| 92 Isopropylbenzene | 105 | 8.840 | 8.840 | 0.0 | 95 | 2108924 | 10.7 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.100 | 9.100 | 0.0 | 94 | 475474 | 9.97 | |
| 96 Bromobenzene | 156 | 9.135 | 9.135 | 0.0 | 91 | 591534 | 10.3 | |
| 97 1,2,3-Trichloropropane | 110 | 9.159 | 9.159 | 0.0 | 73 | 160904 | 9.74 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.159 | 9.159 | 0.0 | 68 | 109381 | 8.81 | |
| 99 N-Propylbenzene | 120 | 9.242 | 9.242 | 0.0 | 98 | 581416 | 10.7 | |
| 100 2-Chlorotoluene | 126 | 9.325 | 9.325 | 0.0 | 97 | 526605 | 10.6 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.407 | 9.407 | 0.0 | 93 | 1673450 | 10.7 | |
| 102 4-Chlorotoluene | 126 | 9.431 | 9.431 | 0.0 | 99 | 579250 | 10.5 | |
| 103 tert-Butylbenzene | 119 | 9.727 | 9.727 | 0.0 | 88 | 1509933 | 11.3 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.774 | 9.774 | 0.0 | 71 | 1699465 | 10.7 | |
| 105 sec-Butylbenzene | 105 | 9.952 | 9.952 | 0.0 | 94 | 1770711 | 10.4 | |
| 106 1,3-Dichlorobenzene | 146 | 10.058 | 10.058 | 0.0 | 96 | 1038194 | 10.2 | |
| 107 4-Isopropyltoluene | 119 | 10.082 | 10.082 | 0.0 | 96 | 1521084 | 10.6 | |
| 108 1,4-Dichlorobenzene | 146 | 10.141 | 10.141 | 0.0 | 94 | 1114207 | 10.1 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 110 n-Butylbenzene | 91 | 10.496 | 10.496 | 0.0 | 97 | 1142013 | 9.97 | |
| 111 1,2-Dichlorobenzene | 146 | 10.519 | 10.519 | 0.0 | 98 | 975013 | 10.2 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.276 | 11.276 | 0.0 | 69 | 55613 | 8.72 | |
| 113 1,3,5-Trichlorobenzene | 180 | 11.501 | 11.501 | 0.0 | 95 | 497785 | 9.13 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.116 | 12.116 | 0.0 | 93 | 351706 | 7.97 | |
| 115 Hexachlorobutadiene | 225 | 12.294 | 12.294 | 0.0 | 93 | 172572 | 7.46 | |
| 116 Naphthalene | 128 | 12.365 | 12.365 | 0.0 | 100 | 614441 | 6.12 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.613 | 12.613 | 0.0 | 99 | 285857 | 7.03 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 38.5 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.6 | |
| S 121 1,3-Dichloropropene, Total | 75 | | | | 0 | | 18.7 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 32.1 | |

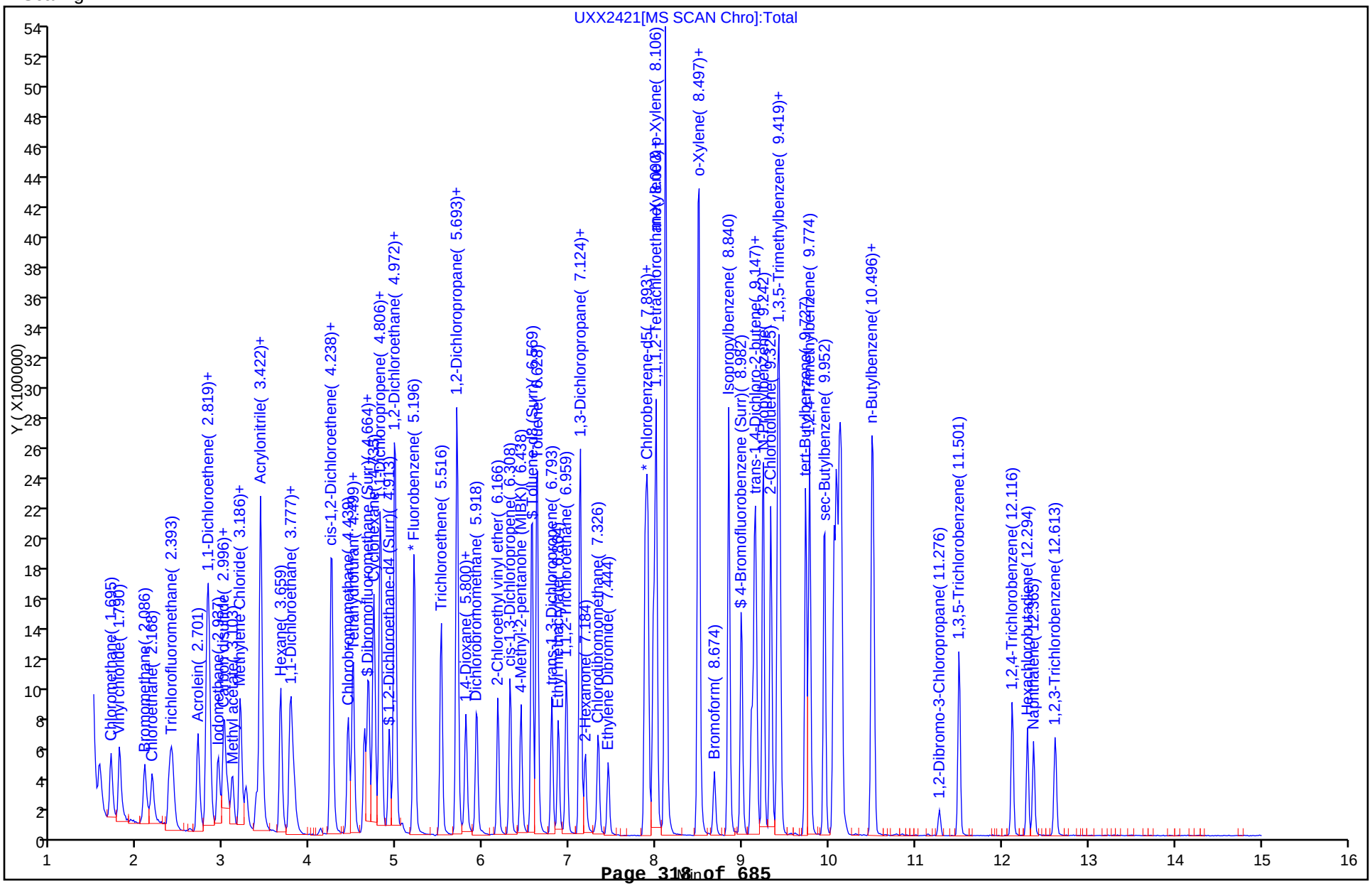
Report Date: 18-Feb-2013 07:10:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2421.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 10:14:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 2 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\BFB5128.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 11-Feb-2013 09:15:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | 240-0017255-001 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\8260_10.m | | |
| Last Update: | 11-Feb-2013 15:28:03 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK037 | | |
| First Level Reviewer: quayler | | Date: | 11-Feb-2013 09:32:12 |

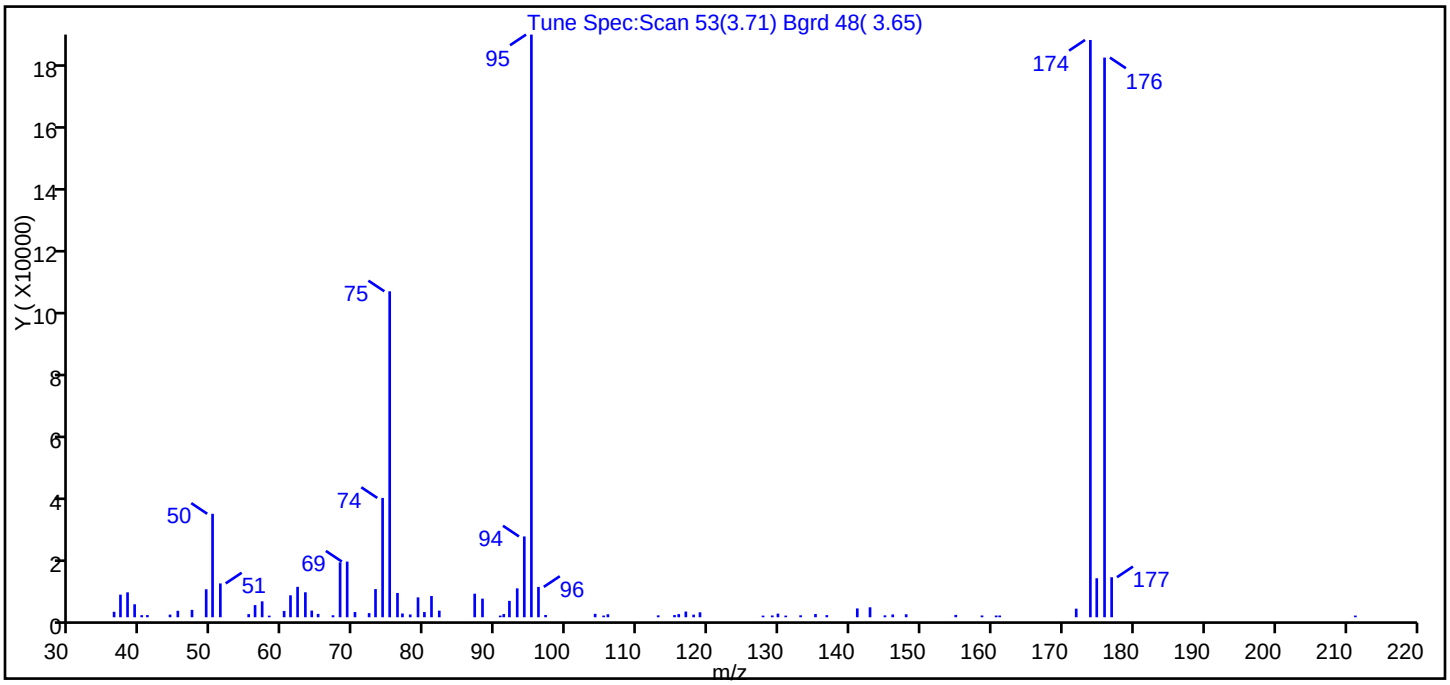
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 4 BFB | 95 | 3.709 | 3.709 | 0.0 | 0 | 438654 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\BFB5128.D | | |
| Injection Date: | 11-Feb-2013 09:15:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 74846 | Lims Sample ID: | 1 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 4 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 17.76 |
| 75 | 30.00 - 60.00% of mass 95 | 55.94 |
| 96 | 5.00 - 9.00% of mass 95 | 5.21 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 99.08 |
| 175 | 5.00 - 9.00% of mass 174 | 6.70 ( 6.76) |
| 176 | 95.00 - 101.00% of mass 174 | 96.05 ( 96.95) |
| 177 | 5.00 - 9.00% of mass 176 | 6.87 ( 7.15) |

Data File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\BFB5128.D\8260_10.rslt\spectra.d
Injection Date: 11-Feb-2013 09:15:30
Spectrum: Tune Spec:Scan 53(3.71) Bgrd 48( 3.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.10 | 1691 | 64.00 | 2077 | 91.10 | 985 | 133.00 | 605 |
| 37.00 | 6981 | 64.90 | 1039 | 91.90 | 5067 | 135.10 | 992 |
| 38.00 | 7701 | 67.00 | 616 | 93.00 | 8925 | 136.70 | 659 |
| 39.00 | 4013 | 68.00 | 16960 | 94.00 | 24968 | 141.00 | 2725 |
| 40.00 | 645 | 69.00 | 17200 | 95.00 | 180032 | 142.80 | 3077 |
| 40.80 | 675 | 70.10 | 1619 | 96.00 | 9381 | 144.90 | 590 |
| 44.00 | 819 | 72.10 | 1275 | 97.00 | 710 | 146.00 | 864 |
| 45.10 | 2001 | 73.00 | 8703 | 104.00 | 1059 | 147.90 | 925 |
| 47.10 | 2286 | 74.00 | 36872 | 105.20 | 524 | 154.90 | 732 |
| 49.10 | 8652 | 75.00 | 100712 | 105.80 | 925 | 158.60 | 550 |
| 50.00 | 31968 | 76.10 | 7516 | 112.90 | 591 | 160.60 | 537 |
| 51.10 | 10457 | 76.80 | 1163 | 115.20 | 686 | 161.10 | 539 |
| 55.10 | 969 | 77.90 | 857 | 115.80 | 979 | 171.90 | 2660 |
| 56.00 | 3763 | 79.00 | 6144 | 116.80 | 1770 | 173.90 | 178368 |
| 57.00 | 4917 | 79.90 | 1604 | 117.90 | 800 | 174.80 | 12055 |
| 58.00 | 508 | 80.90 | 6564 | 118.80 | 1531 | 175.90 | 172928 |
| 60.10 | 1943 | 82.00 | 2042 | 127.70 | 509 | 176.90 | 12368 |
| 61.00 | 6788 | 87.00 | 7279 | 129.00 | 557 | 211.30 | 522 |
| 62.00 | 9395 | 88.10 | 5764 | 129.80 | 1121 | | |
| 63.10 | 7720 | 90.60 | 516 | 130.90 | 511 | | |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130214-17353.b\BFB5130.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 14-Feb-2013 14:27:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | 240-0017353-001 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 26 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m | | |
| Last Update: | 15-Feb-2013 08:17:32 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK029 | | |
| First Level Reviewer: quayler | | Date: | 14-Feb-2013 15:05:48 |

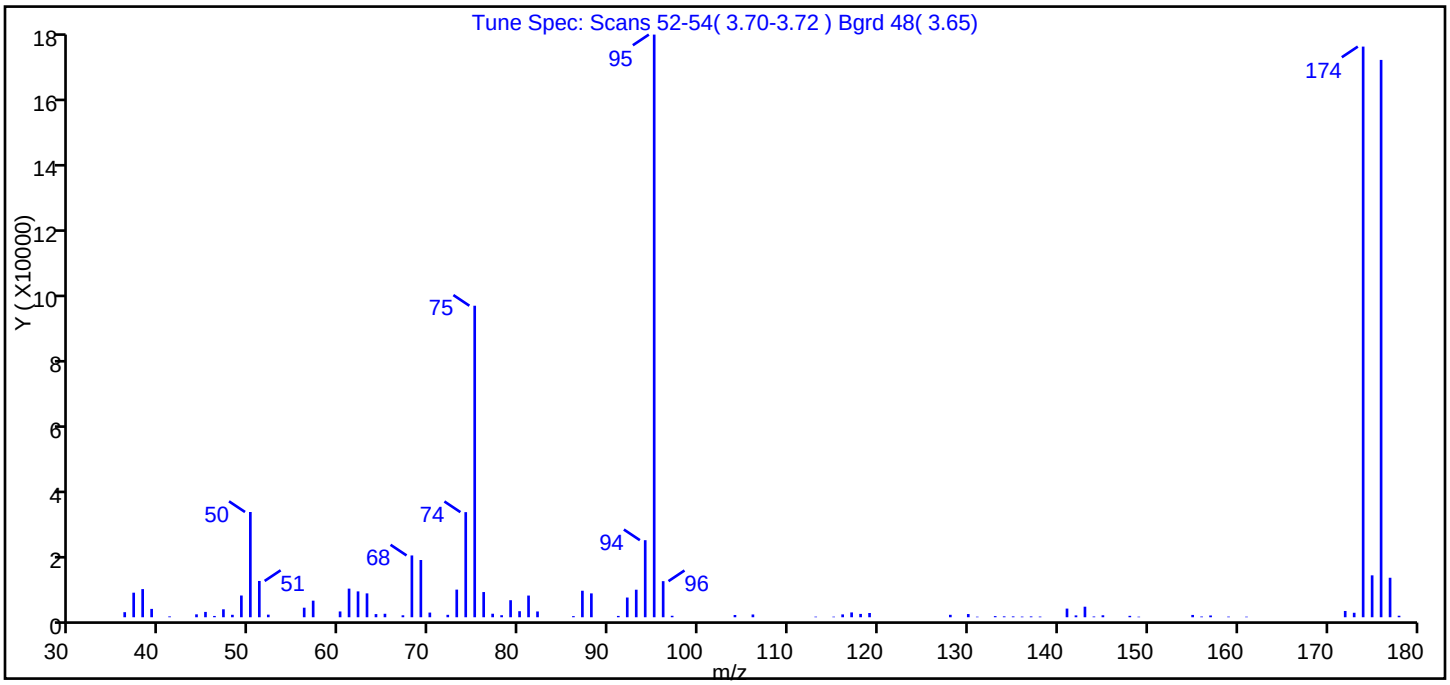
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 4 BFB | 95 | 3.711 | 3.711 | 0.0 | 0 | 545572 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130214-17353.b\BFB5130.D | | |
| Injection Date: | 14-Feb-2013 14:27:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 1 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 4 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 18.06 |
| 75 | 30.00 - 60.00% of mass 95 | 53.47 |
| 96 | 5.00 - 9.00% of mass 95 | 6.20 |
| 173 | Less than 2.00% of mass 174 | 0.77 ( 0.79) |
| 174 | Greater than 50.00% of mass 95 | 97.94 |
| 175 | 5.00 - 9.00% of mass 174 | 7.19 ( 7.34) |
| 176 | 95.00 - 101.00% of mass 174 | 95.65 ( 97.67) |
| 177 | 5.00 - 9.00% of mass 176 | 6.78 ( 7.09) |

Report Date: 15-Feb-2013 08:17:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\BFB5130.D\8260_10.rslt\spectra.d
Injection Date: 14-Feb-2013 14:27:30
Spectrum: Tune Spec: Scans 52-54( 3.70-3.72 ) Bgrd 48( 3.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 83

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1491 | 65.00 | 1026 | 93.00 | 8076 | 138.00 | 199 |
| 37.00 | 7202 | 67.00 | 578 | 94.00 | 22592 | 141.00 | 2539 |
| 38.00 | 8255 | 68.00 | 18120 | 95.00 | 170816 | 142.00 | 547 |
| 39.00 | 2451 | 69.00 | 16784 | 96.00 | 10584 | 143.00 | 3094 |
| 41.00 | 247 | 70.00 | 1374 | 97.00 | 435 | 144.00 | 227 |
| 44.00 | 857 | 72.00 | 716 | 104.00 | 659 | 145.00 | 583 |
| 45.00 | 1568 | 73.00 | 8105 | 106.00 | 814 | 148.00 | 417 |
| 46.00 | 380 | 74.00 | 30816 | 113.00 | 179 | 149.00 | 170 |
| 47.00 | 2337 | 75.00 | 91328 | 115.00 | 174 | 155.00 | 679 |
| 48.00 | 723 | 76.00 | 7388 | 116.00 | 840 | 156.00 | 218 |
| 49.00 | 6374 | 77.00 | 1035 | 117.00 | 1418 | 157.00 | 522 |
| 50.00 | 30856 | 78.00 | 596 | 118.00 | 981 | 159.00 | 190 |
| 51.00 | 10641 | 79.00 | 4997 | 119.00 | 1248 | 161.00 | 170 |
| 52.00 | 763 | 80.00 | 1775 | 128.00 | 716 | 172.00 | 1843 |
| 56.00 | 2804 | 81.00 | 6362 | 130.00 | 943 | 173.00 | 1314 |
| 57.00 | 4867 | 82.00 | 1700 | 131.00 | 169 | 174.00 | 167296 |
| 60.00 | 1701 | 86.00 | 326 | 133.00 | 337 | 175.00 | 12287 |
| 61.00 | 8395 | 87.00 | 7774 | 134.00 | 262 | 176.00 | 163392 |
| 62.00 | 7585 | 88.00 | 6998 | 135.00 | 250 | 177.00 | 11580 |
| 63.00 | 6999 | 91.00 | 392 | 136.00 | 196 | 178.00 | 447 |
| 64.00 | 928 | 92.00 | 5785 | 137.00 | 246 | | |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130215-17373.b\BFB5131.D | | |
| Lims ID: | BFB | Client ID: | |
| Inject. Date: | 15-Feb-2013 09:45:30 | Dil. Factor: | 1.0000 |
| Sample Type: | BFB | | |
| Sample ID: | 240-0017373-001 | | |
| Misc. Info.: | | | |
| Operator: | 1904 | Instrument ID: | A3UX10 |
| Purge Vol: | 5.000 mL | ALS Bottle#: | 26 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 1 |
| Detector: | MS SCAN | | |
| Method: | \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m | | |
| Last Update: | 18-Feb-2013 07:10:29 | Calib Date: | 11-Feb-2013 13:39:30 |
| Quant Method: | Internal Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D | | |
| Limit Group: | MSV 8260B ICAL | | |
| Integrator: | RTE | ID Type: | Deconvolution ID |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Process Host: | XAWRK029 | | |
| First Level Reviewer: quayler | | Date: | 15-Feb-2013 10:33:27 |

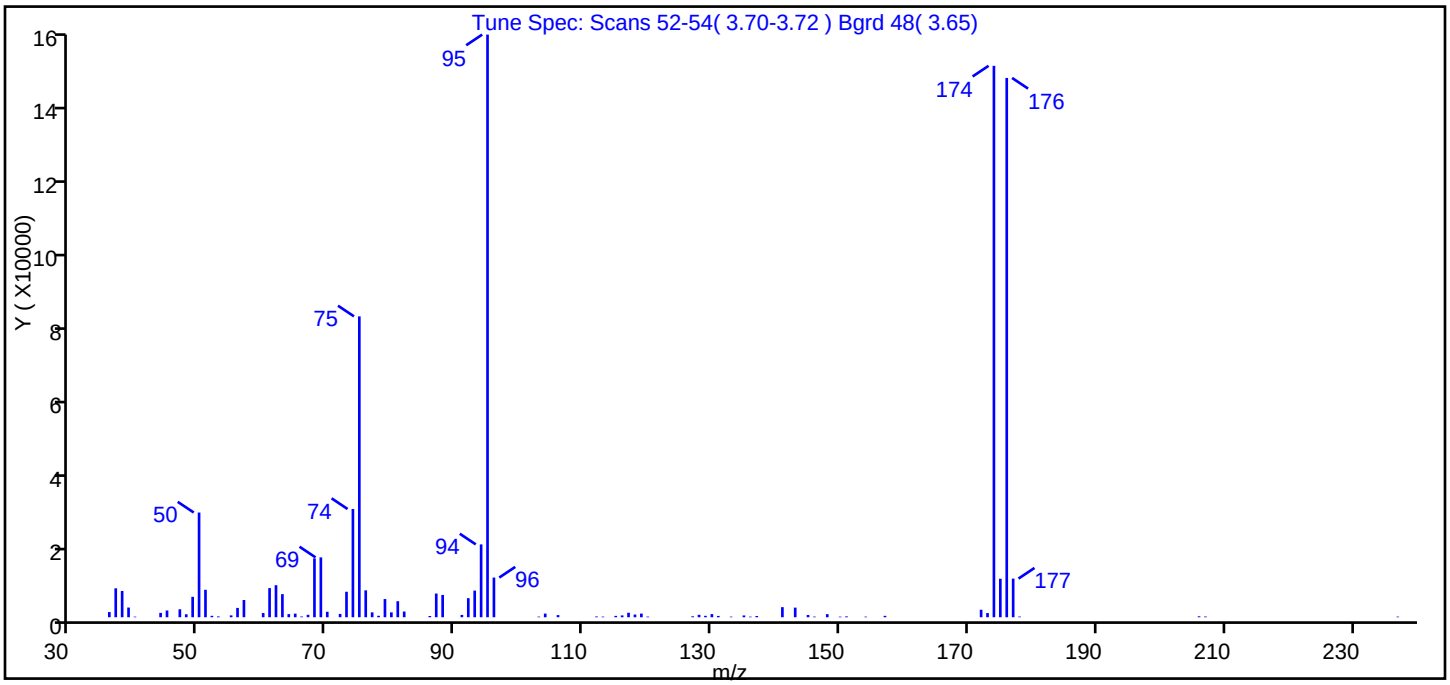
| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| $ 4 BFB | 95 | 3.710 | 3.710 | 0.0 | 0 | 484174 | 0 | |

MS Tune Report

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\NCChrom\ChromData\A3UX10\20130215-17373.b\BFB5131.D | | |
| Injection Date: | 15-Feb-2013 09:45:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 1 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |
| Tune Method: | BFB Method 8260 | | |

$ 4 BFB




| m/z | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 17.98 |
| 75 | 30.00 - 60.00% of mass 95 | 51.64 |
| 96 | 5.00 - 9.00% of mass 95 | 6.81 |
| 173 | Less than 2.00% of mass 174 | 0.72 ( 0.76) |
| 174 | Greater than 50.00% of mass 95 | 94.64 |
| 175 | 5.00 - 9.00% of mass 174 | 6.61 ( 6.98) |
| 176 | 95.00 - 101.00% of mass 174 | 92.56 ( 97.80) |
| 177 | 5.00 - 9.00% of mass 176 | 6.63 ( 7.17) |

Report Date: 18-Feb-2013 07:10:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\BFB5131.D\8260_10.rslt\spectra.d
Injection Date: 15-Feb-2013 09:45:30
Spectrum: Tune Spec: Scans 52-54( 3.70-3.72 ) Bgrd 48( 3.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 87

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1427 | 65.00 | 999 | 93.00 | 7323 | 136.00 | 169 |
| 37.00 | 7952 | 66.00 | 205 | 94.00 | 20008 | 137.00 | 351 |
| 38.00 | 7224 | 67.00 | 674 | 95.00 | 160000 | 141.00 | 2771 |
| 39.00 | 2667 | 68.00 | 16176 | 96.00 | 10901 | 143.00 | 2644 |
| 40.00 | 170 | 69.00 | 16440 | 103.00 | 180 | 145.00 | 617 |
| 44.00 | 1204 | 70.00 | 1506 | 104.00 | 1006 | 146.00 | 181 |
| 45.00 | 1857 | 72.00 | 915 | 106.00 | 597 | 148.00 | 852 |
| 47.00 | 2188 | 73.00 | 7001 | 112.00 | 218 | 150.00 | 168 |
| 48.00 | 819 | 74.00 | 29728 | 113.00 | 178 | 151.00 | 242 |
| 49.00 | 5606 | 75.00 | 82624 | 115.00 | 380 | 154.00 | 172 |
| 50.00 | 28760 | 76.00 | 7390 | 116.00 | 503 | 157.00 | 392 |
| 51.00 | 7541 | 77.00 | 1341 | 117.00 | 1240 | 172.00 | 2067 |
| 52.00 | 397 | 78.00 | 405 | 118.00 | 744 | 173.00 | 1156 |
| 53.00 | 228 | 79.00 | 4996 | 119.00 | 1010 | 174.00 | 151424 |
| 55.00 | 515 | 80.00 | 1341 | 120.00 | 183 | 175.00 | 10575 |
| 56.00 | 2567 | 81.00 | 4410 | 127.00 | 261 | 176.00 | 148096 |
| 57.00 | 4732 | 82.00 | 1564 | 128.00 | 674 | 177.00 | 10614 |
| 60.00 | 1158 | 86.00 | 343 | 129.00 | 396 | 178.00 | 195 |
| 61.00 | 8009 | 87.00 | 6512 | 130.00 | 866 | 206.00 | 267 |
| 62.00 | 8810 | 88.00 | 6125 | 131.00 | 366 | 207.00 | 202 |
| 63.00 | 6345 | 91.00 | 638 | 133.00 | 173 | 237.00 | 179 |
| 64.00 | 870 | 92.00 | 5242 | 135.00 | 495 | | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-75367/6

Matrix: Water | Lab File ID: UXX2398.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 16:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-75367/6

Matrix: Water | Lab File ID: UXX2398.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 16:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 84 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 83 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 83 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 90 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2398.D
Lims ID: MB Client ID:
Inject. Date: 14-Feb-2013 16:22:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017353-006
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 75367 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 14-Feb-2013 16:41:13

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.199 | 5.208 | -0.009 | 99 | 1518005 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.872 | 7.881 | -0.009 | 84 | 1144824 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.119 | 10.117 | 0.002 | 94 | 592350 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.631 | 4.629 | 0.002 | 66 | 374667 | 9.02 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.915 | 4.913 | 0.002 | 0 | 462664 | 8.40 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.559 | 6.569 | -0.010 | 94 | 1349208 | 8.35 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.984 | 8.982 | 0.002 | 93 | 435348 | 8.34 | |
| 143 1,3-Diethylbenzene TIC | 1 | | 0.000 | | | | | |
| 9 Benzyl chloride | 126 | | 0.000 | | | | | |
| 10 C6-C12 | 1 | | 0.000 | | | | | |
| 11 C6-C10 | 1 | | 0.000 | | | | | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 15 Chlorodifluoromethane TIC | 1 | | 1.900 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | 9 |
| 17 Chloroethane | 64 | | 2.169 | | | | | |
| 18 Dichlorofluoromethane | 67 | | 2.333 | | | | | |
| 19 Trichlorofluoromethane | 101 | | 2.393 | | | | | |
| 20 Ethyl ether | 59 | | 2.605 | | | | | |
| 21 Acrolein | 56 | | 2.701 | | | | | |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | 9 |
| 24 Acetone | 43 | | 2.831 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | 9 |
| 22 Methylal | 45 | | 2.851 | | | | | |
| 26 Iodomethane | 142 | | 2.937 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | |
| 28 Acetonitrile | 41 | | 3.044 | | | | | |
| 29 3-Chloro-1-propene | 76 | | 3.102 | | | | | |
| 30 Methyl acetate | 43 | | 3.103 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 31 Methylene Chloride | 84 | | 3.198 | | | | | |
| 32 2-Methyl-2-propanol | 59 | | 3.257 | | | | | |
| 33 Acrylonitrile | 53 | | 3.375 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.434 | | | | | |
| 36 Hexane | 86 | | 3.659 | | | | | |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 38 Vinyl acetate | 86 | | 3.789 | | | | | |
| 39 Isopropyl ether | 87 | | 3.824 | | | | | |
| 40 2-Chloro-1,3-butadiene | 53 | | 3.847 | | | | | |
| 41 Tert-butyl ethyl ether | 59 | | 4.119 | | | | | |
| 42 2-Butanone (MEK) | 43 | | 4.239 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | | 4.239 | | | | | |
| 44 2,2-Dichloropropane | 77 | | 4.250 | | | | | |
| 45 Propionitrile | 54 | | 4.273 | | | | | |
| 46 Ethyl acetate | 43 | | 4.285 | | | | | |
| 47 Methacrylonitrile | 41 | | 4.415 | | | | | |
| 48 Chlorobromomethane | 128 | | 4.440 | | | | | |
| 49 Tetrahydrofuran | 42 | | 4.487 | | | | | |
| 50 Chloroform | 83 | | 4.499 | | | | | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | 9 |
| 53 1,1-Dichloropropene | 75 | | 4.806 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 55 Isobutyl alcohol | 41 | | 4.841 | | | | | 9 |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |
| 58 Tert-amyl methyl ether | 73 | | 5.066 | | | | | 9 |
| 59 n-Heptane | 100 | | 5.196 | | | | | |
| 60 n-Butanol | 56 | | 5.397 | | | | | |
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 62 Ethyl acrylate | 55 | | 5.605 | | | | | 9 |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | 9 |
| 65 Methyl methacrylate | 41 | | 5.775 | | | | | |
| 66 Dibromomethane | 93 | | 5.800 | | | | | |
| 67 1,4-Dioxane | 88 | | 5.800 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 69 2-Nitropropane | 41 | | 6.107 | | | | | |
| 70 2-Chloroethyl vinyl ether | 63 | | 6.167 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.309 | | | | | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.439 | | | | | |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.794 | | | | | |
| 75 Ethyl methacrylate | 69 | | 6.864 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 77 1,3-Dichloropropane | 76 | | 7.113 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.125 | | | | | 9 |
| 79 2-Hexanone | 43 | | 7.184 | | | | | |
| 80 n-Butyl acetate | 56 | | 7.290 | | | | | |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 82 Tetrahydrothiophene | 60 | | 7.346 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 84 1-Chlorohexane | 91 | | 7.779 | | | | | |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 86 1,1,1,2-Tetrachloroethane | 131 | | 7.976 | | | | | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | 9 |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | 9 |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | 9 |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | 9 |
| 94 Cyclohexanone | 55 | | 8.922 | | | | | 9 |
| 93 1,4-Dichlorobutane | 55 | | 8.931 | | | | | 9 |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | |
| 96 Bromobenzene | 156 | | 9.136 | | | | | |
| 97 1,2,3-Trichloropropane | 110 | | 9.159 | | | | | |
| 98 trans-1,4-Dichloro-2-butene | 53 | | 9.159 | | | | | |
| 99 N-Propylbenzene | 120 | | 9.242 | | | | | 9 |
| 100 2-Chlorotoluene | 126 | | 9.325 | | | | | 9 |
| 101 1,3,5-Trimethylbenzene | 105 | | 9.408 | | | | | 9 |
| 102 4-Chlorotoluene | 126 | | 9.431 | | | | | |
| 103 tert-Butylbenzene | 119 | | 9.727 | | | | | 9 |
| 104 1,2,4-Trimethylbenzene | 105 | | 9.774 | | | | | 9 |
| 105 sec-Butylbenzene | 105 | | 9.952 | | | | | 9 |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | 9 |
| 107 4-Isopropyltoluene | 119 | | 10.082 | | | | | 9 |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | 9 |
| 109 1,2,3-Trimethylbenzene | 105 | | 10.199 | | | | | 9 |
| 110 n-Butylbenzene | 91 | | 10.496 | | | | | 9 |
| 111 1,2-Dichlorobenzene | 146 | | 10.508 | | | | | 9 |
| 112 1,2-Dibromo-3-Chloropropane | 157 | | 11.277 | | | | | |
| 113 1,3,5-Trichlorobenzene | 180 | | 11.501 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.118 | 12.116 | 0.002 | 45 | 13473 | 0.3902 | |
| 115 Hexachlorobutadiene | 225 | 12.296 | 12.294 | 0.002 | 65 | 19523 | 1.08 | |
| 116 Naphthalene | 128 | 12.367 | 12.365 | 0.002 | 95 | 43419 | 0.9336 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.615 | 12.613 | 0.002 | 86 | 23360 | 0.7344 | |
| 118 2-Methylnaphthalene | 142 | 13.668 | 13.677 | -0.009 | 64 | 16587 | 0.6281 | |
| S 119 Trihalomethanes, Total | 1 | | 0.000 | | | | | 7 |
| S 120 1,2-Dichloroethene, Total | 96 | | 1.140 | | | | | 7 |
| S 121 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | 7 |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |
| T 123 Butyl Methacrylate TIC | 1 | | 9.400 | | | | | 1 |
| T 124 Hexachloroethane TIC | 1 | | 10.700 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

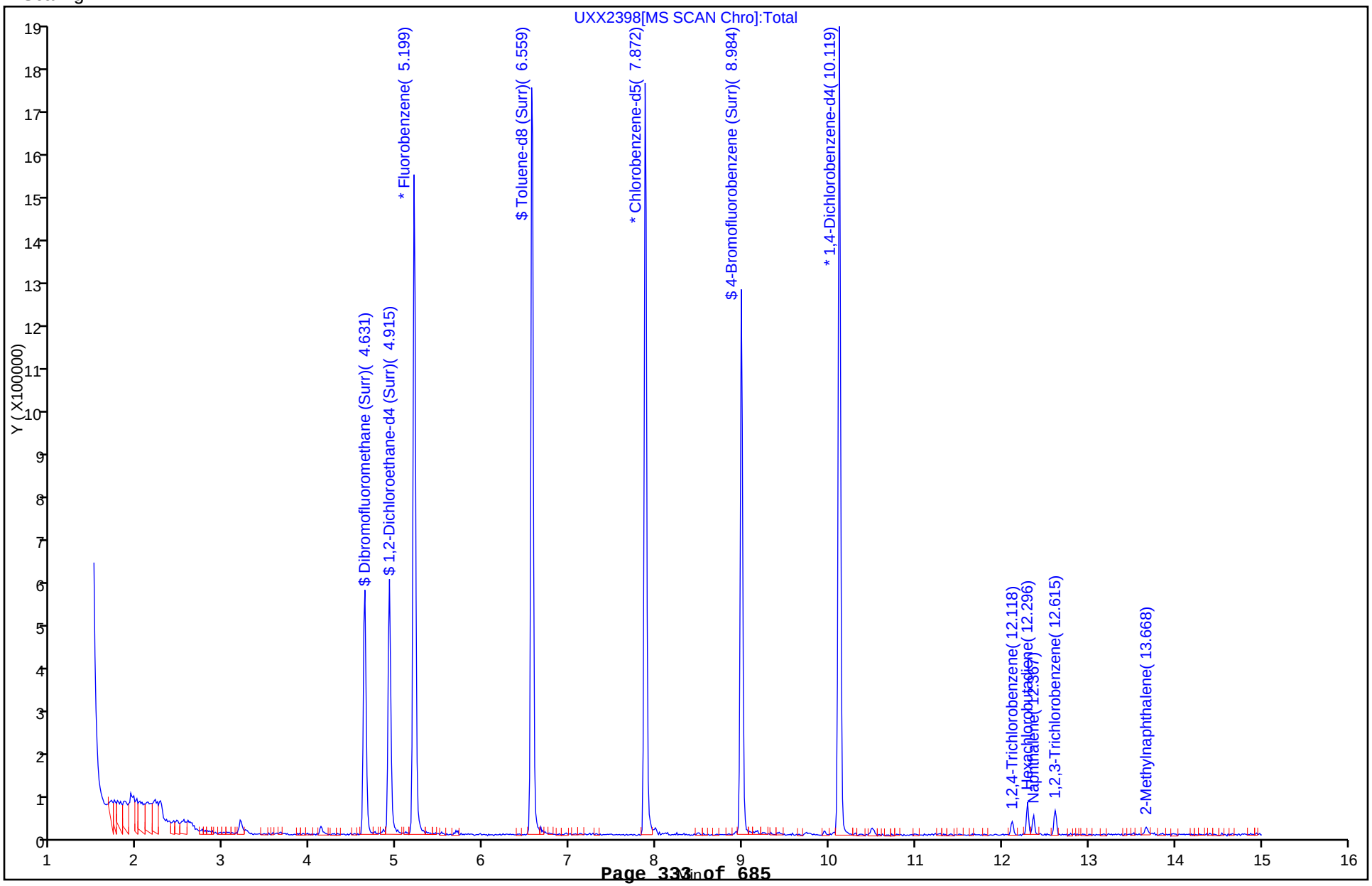
Report Date: 15-Feb-2013 08:17:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2398.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 16:22:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 6 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-75453/5

Matrix: Water | Lab File ID: UXX2424.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 11:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 10 | 1.1 |
| 71-43-2 | Benzene | ND | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | ND | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | ND | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | ND | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | ND | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | ND | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | ND | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | ND | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | ND | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | ND | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | ND | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | ND | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | ND | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 0.32 |
| 100-42-5 | Styrene | ND | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | ND | | 1.0 | 0.29 |
| 108-88-3 | Toluene | ND | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | ND | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | ND | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | ND | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | ND | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | ND | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-75453/5

Matrix: Water | Lab File ID: UXX2424.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 11:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | ND | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | ND | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | ND | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | ND | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 79 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 83 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 83 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2424.D
Lims ID: MB Client ID:
Inject. Date: 15-Feb-2013 11:18:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017373-005
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 75453 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 11:49:07

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.196 | 5.195 | 0.001 | 99 | 1660204 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.880 | 0.001 | 83 | 1138985 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.116 | 0.001 | 94 | 553708 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.629 | -0.001 | 60 | 374984 | 8.25 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 477825 | 7.93 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 93 | 1401197 | 8.72 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.982 | -0.001 | 94 | 429300 | 8.26 | |
| 11 C6-C10 | 1 | | 0.000 | | | | | |
| 10 C6-C12 | 1 | | 0.000 | | | | | |
| 9 Benzyl chloride | 126 | | 0.000 | | | | | |
| 143 1,3-Diethylbenzene TIC | 1 | | 0.000 | | | | | |
| 12 Dichlorodifluoromethane | 85 | | 1.565 | | | | | |
| 13 Chloromethane | 50 | | 1.695 | | | | | 9 |
| 14 Vinyl chloride | 62 | | 1.790 | | | | | |
| 15 Chlorodifluoromethane TIC | 1 | | 1.900 | | | | | |
| 16 Bromomethane | 94 | | 2.086 | | | | | |
| 17 Chloroethane | 64 | | 2.168 | | | | | 9 |
| 18 Dichlorofluoromethane | 67 | | 2.321 | | | | | |
| 19 Trichlorofluoromethane | 101 | | 2.381 | | | | | |
| 20 Ethyl ether | 59 | | 2.605 | | | | | |
| 21 Acrolein | 56 | | 2.701 | | | | | 9 |
| 23 1,1-Dichloroethene | 96 | | 2.807 | | | | | |
| 24 Acetone | 43 | | 2.819 | | | | | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | | 2.831 | | | | | |
| 22 Methylal | 45 | | 2.851 | | | | | |
| 26 Iodomethane | 142 | | 2.937 | | | | | |
| 27 Carbon disulfide | 76 | | 3.008 | | | | | 9 |
| 28 Acetonitrile | 41 | | 3.044 | | | | | 9 |
| 29 3-Chloro-1-propene | 76 | | 3.102 | | | | | 9 |
| 30 Methyl acetate | 43 | | 3.103 | | | | | 9 |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 31 Methylene Chloride | 84 | | 3.186 | | | | | |
| 32 2-Methyl-2-propanol | 59 | 3.256 | 3.257 | -0.001 | 76 | 13307 | 5.80 | |
| 33 Acrylonitrile | 53 | | 3.375 | | | | | |
| 34 trans-1,2-Dichloroethene | 96 | | 3.422 | | | | | |
| 35 Methyl tert-butyl ether | 73 | | 3.422 | | | | | |
| 36 Hexane | 86 | | 3.659 | | | | | 9 |
| 37 1,1-Dichloroethane | 63 | | 3.765 | | | | | |
| 38 Vinyl acetate | 86 | | 3.789 | | | | | |
| 39 Isopropyl ether | 87 | | 3.823 | | | | | |
| 40 2-Chloro-1,3-butadiene | 53 | | 3.847 | | | | | |
| 41 Tert-butyl ethyl ether | 59 | | 4.119 | | | | | |
| 42 2-Butanone (MEK) | 43 | | 4.238 | | | | | |
| 43 cis-1,2-Dichloroethene | 96 | | 4.238 | | | | | 9 |
| 44 2,2-Dichloropropane | 77 | | 4.250 | | | | | |
| 45 Propionitrile | 54 | | 4.273 | | | | | |
| 46 Ethyl acetate | 43 | | 4.284 | | | | | 9 |
| 47 Methacrylonitrile | 41 | | 4.415 | | | | | |
| 48 Chlorobromomethane | 128 | | 4.439 | | | | | |
| 49 Tetrahydrofuran | 42 | | 4.487 | | | | | |
| 50 Chloroform | 83 | | 4.499 | | | | | |
| 51 1,1,1-Trichloroethane | 97 | | 4.676 | | | | | |
| 52 Cyclohexane | 56 | | 4.735 | | | | | 9 |
| 53 1,1-Dichloropropene | 75 | | 4.806 | | | | | |
| 54 Carbon tetrachloride | 117 | | 4.818 | | | | | |
| 55 Isobutyl alcohol | 41 | 4.841 | 4.840 | 0.001 | 64 | 15625 | 18.1 | |
| 56 1,2-Dichloroethane | 62 | | 4.972 | | | | | |
| 57 Benzene | 78 | | 4.984 | | | | | 9 |
| 58 Tert-amyl methyl ether | 73 | | 5.053 | | | | | |
| 59 n-Heptane | 100 | | 5.195 | | | | | |
| 60 n-Butanol | 56 | | 5.396 | | | | | |
| 61 Trichloroethene | 130 | | 5.516 | | | | | |
| 62 Ethyl acrylate | 55 | | 5.605 | | | | | 9 |
| 63 Methylcyclohexane | 83 | | 5.693 | | | | | 9 |
| 64 1,2-Dichloropropane | 63 | | 5.693 | | | | | |
| 65 Methyl methacrylate | 41 | | 5.775 | | | | | |
| 66 Dibromomethane | 93 | | 5.800 | | | | | |
| 67 1,4-Dioxane | 88 | | 5.800 | | | | | |
| 68 Dichlorobromomethane | 83 | | 5.918 | | | | | |
| 69 2-Nitropropane | 41 | | 6.106 | | | | | |
| 70 2-Chloroethyl vinyl ether | 63 | | 6.166 | | | | | |
| 71 cis-1,3-Dichloropropene | 75 | | 6.308 | | | | | 9 |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | | 6.438 | | | | | 9 |
| 73 Toluene | 91 | | 6.628 | | | | | 9 |
| 74 trans-1,3-Dichloropropene | 75 | | 6.793 | | | | | |
| 75 Ethyl methacrylate | 69 | | 6.864 | | | | | |
| 76 1,1,2-Trichloroethane | 97 | | 6.959 | | | | | |
| 77 1,3-Dichloropropane | 76 | | 7.113 | | | | | |
| 78 Tetrachloroethene | 164 | | 7.124 | | | | | 9 |
| 79 2-Hexanone | 43 | | 7.184 | | | | | 9 |
| 80 n-Butyl acetate | 56 | | 7.289 | | | | | 9 |
| 81 Chlorodibromomethane | 129 | | 7.326 | | | | | |
| 82 Tetrahydrothiophene | 60 | | 7.346 | | | | | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 83 Ethylene Dibromide | 107 | | 7.444 | | | | | |
| 84 1-Chlorohexane | 91 | | 7.779 | | | | | 9 |
| 85 Chlorobenzene | 112 | | 7.905 | | | | | 9 |
| 86 1,1,1,2-Tetrachloroethane | 131 | | 7.964 | | | | | |
| 87 Ethylbenzene | 106 | | 8.000 | | | | | 9 |
| 88 m-Xylene & p-Xylene | 106 | | 8.106 | | | | | 9 |
| 89 o-Xylene | 106 | | 8.485 | | | | | |
| 90 Styrene | 104 | | 8.497 | | | | | 9 |
| 91 Bromoform | 173 | | 8.674 | | | | | |
| 92 Isopropylbenzene | 105 | | 8.840 | | | | | 9 |
| 94 Cyclohexanone | 55 | 8.934 | 8.921 | 0.013 | 61 | 10962 | 4.02 | |
| 93 1,4-Dichlorobutane | 55 | | 8.931 | | | | | 9 |
| 95 1,1,2,2-Tetrachloroethane | 83 | | 9.100 | | | | | 9 |
| 96 Bromobenzene | 156 | | 9.135 | | | | | 9 |
| 97 1,2,3-Trichloropropane | 110 | | 9.159 | | | | | |
| 98 trans-1,4-Dichloro-2-butene | 53 | | 9.159 | | | | | |
| 99 N-Propylbenzene | 120 | | 9.242 | | | | | 9 |
| 100 2-Chlorotoluene | 126 | | 9.325 | | | | | 9 |
| 101 1,3,5-Trimethylbenzene | 105 | | 9.407 | | | | | 9 |
| 102 4-Chlorotoluene | 126 | | 9.431 | | | | | 9 |
| 103 tert-Butylbenzene | 119 | | 9.727 | | | | | 9 |
| 104 1,2,4-Trimethylbenzene | 105 | | 9.774 | | | | | 9 |
| 105 sec-Butylbenzene | 105 | | 9.952 | | | | | 9 |
| 106 1,3-Dichlorobenzene | 146 | | 10.058 | | | | | 9 |
| 107 4-Isopropyltoluene | 119 | | 10.082 | | | | | 9 |
| 108 1,4-Dichlorobenzene | 146 | | 10.141 | | | | | 9 |
| 109 1,2,3-Trimethylbenzene | 105 | | 10.199 | | | | | 9 |
| 110 n-Butylbenzene | 91 | | 10.496 | | | | | 9 |
| 111 1,2-Dichlorobenzene | 146 | | 10.519 | | | | | 9 |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.276 | 11.276 | 0.0 | 1 | 1531 | 0.3280 | |
| 113 1,3,5-Trichlorobenzene | 180 | | 11.501 | | | | | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.116 | 12.116 | 0.0 | 67 | 18650 | 0.5778 | |
| 115 Hexachlorobutadiene | 225 | 12.293 | 12.294 | -0.001 | 69 | 17157 | 1.01 | |
| 116 Naphthalene | 128 | 12.364 | 12.365 | -0.001 | 92 | 52848 | 1.09 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.613 | 12.613 | 0.0 | 79 | 26700 | 0.8980 | |
| 118 2-Methylnaphthalene | 142 | 13.654 | 13.676 | -0.022 | 59 | 18966 | 0.7683 | |
| S 119 Trihalomethanes, Total | 1 | | 0.000 | | | | | 7 |
| S 120 1,2-Dichloroethene, Total | 96 | | 1.140 | | | | | 7 |
| S 121 1,3-Dichloropropene, Total | 75 | | 6.760 | | | | | 7 |
| S 122 Xylenes, Total | 106 | | 16.530 | | | | | 7 |
| T 123 Butyl Methacrylate TIC | 1 | | 9.400 | | | | | 1 |
| T 124 Hexachloroethane TIC | 1 | | 10.700 | | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

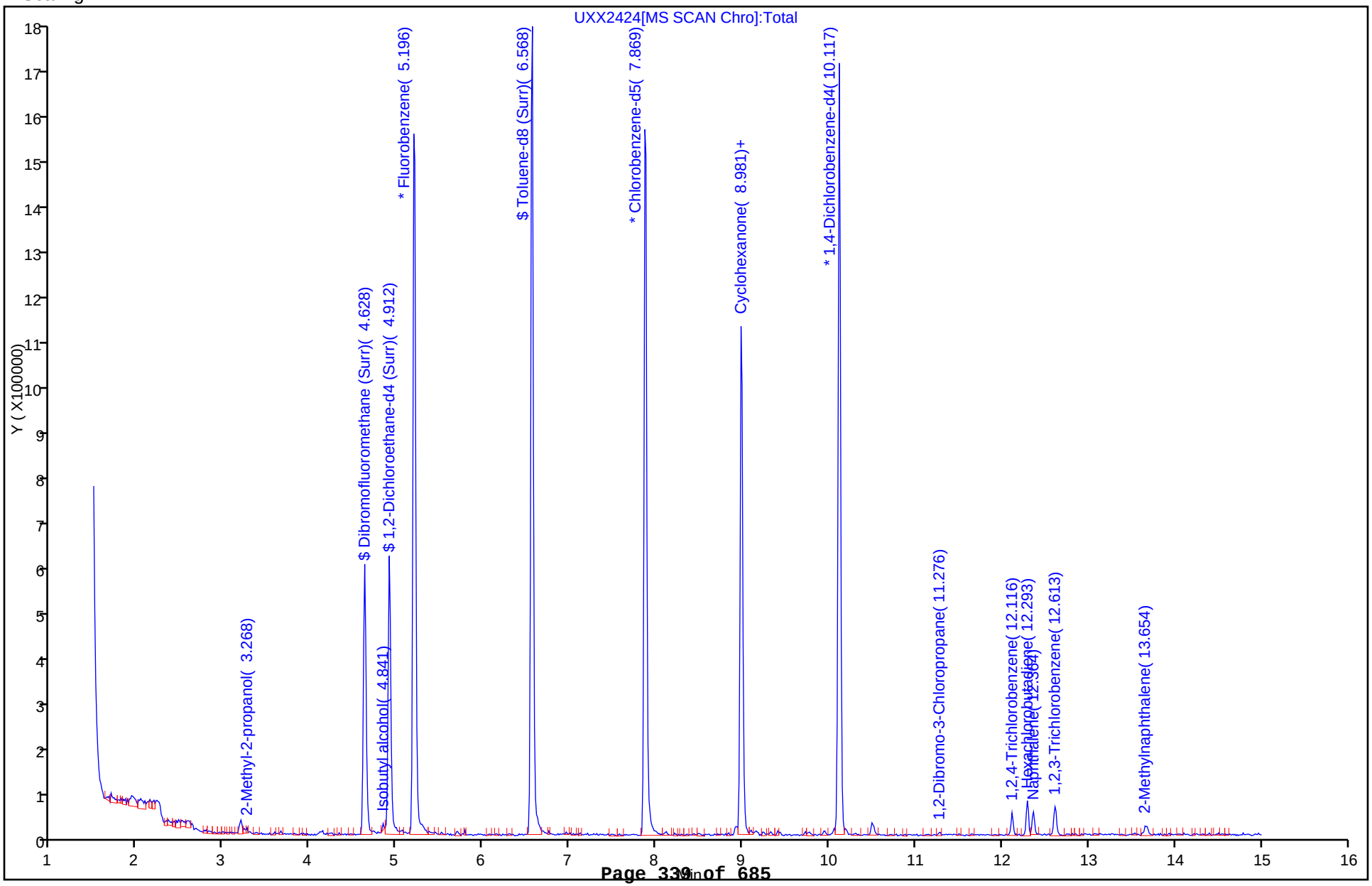
Report Date: 18-Feb-2013 07:10:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2424.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 11:18:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 5 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-75367/5

Matrix: Water | Lab File ID: UXX2397.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 16:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 19.1 | | 10 | 1.1 |
| 71-43-2 | Benzene | 10.4 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 10.2 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 8.98 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 9.43 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 18.5 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 10.1 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 10.2 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 9.86 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 9.83 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.77 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 10.4 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 10.1 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.97 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 10.6 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 9.55 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 9.52 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 10.3 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 18.1 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.59 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 19.7 | | 10 | 0.32 |
| 100-42-5 | Styrene | 9.75 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.53 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 9.65 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 10.0 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 10.3 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 10.5 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 31.3 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.71 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 9.88 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 10.1 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 9.95 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.79 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 9.54 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 9.95 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-75367/5

Matrix: Water | Lab File ID: UXX2397.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/14/2013 16:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75367 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 10.1 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 10.7 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 9.31 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 11.4 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 8.88 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 10.3 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 10.1 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 9.59 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 10.2 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 9.78 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 10.3 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 83 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 101 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 83 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2397.D
Lims ID: LCS Client ID:
Inject. Date: 14-Feb-2013 16:00:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017353-005
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 75367 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130214-17353.b\8260_10.m
Last Update: 15-Feb-2013 08:17:42 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 14-Feb-2013 16:31:06

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.196 | 5.208 | -0.012 | 99 | 1746651 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.881 | 7.881 | 0.0 | 83 | 1321942 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.117 | 10.117 | 0.0 | 82 | 800389 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.628 | 4.629 | -0.001 | 55 | 396170 | 8.29 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.912 | 4.913 | -0.001 | 0 | 528577 | 8.34 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.568 | 6.569 | -0.001 | 93 | 1643078 | 8.81 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.981 | 8.982 | -0.001 | 95 | 610130 | 10.1 | |
| 12 Dichlorodifluoromethane | 85 | 1.565 | 1.565 | 0.0 | 86 | 433177 | 9.54 | |
| 13 Chloromethane | 50 | 1.695 | 1.695 | 0.0 | 100 | 678424 | 10.4 | |
| 14 Vinyl chloride | 62 | 1.789 | 1.790 | -0.001 | 83 | 694735 | 10.5 | |
| 16 Bromomethane | 94 | 2.085 | 2.086 | -0.001 | 91 | 353234 | 9.43 | |
| 17 Chloroethane | 64 | 2.168 | 2.169 | -0.001 | 99 | 422757 | 9.83 | |
| 19 Trichlorofluoromethane | 101 | 2.393 | 2.393 | 0.0 | 86 | 776730 | 10.2 | |
| 20 Ethyl ether | 59 | 2.605 | 2.605 | 0.0 | 87 | 568636 | 10.4 | |
| 21 Acrolein | 56 | 2.700 | 2.701 | -0.001 | 92 | 318309 | 46.5 | |
| 23 1,1-Dichloroethene | 96 | 2.807 | 2.807 | 0.0 | 90 | 540500 | 10.6 | |
| 24 Acetone | 43 | 2.830 | 2.831 | -0.001 | 54 | 251644 | 19.1 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.830 | 2.831 | -0.001 | 92 | 448341 | 11.4 | |
| 26 Iodomethane | 142 | 2.937 | 2.937 | 0.0 | 98 | 823129 | 10.9 | |
| 27 Carbon disulfide | 76 | 3.008 | 3.008 | 0.0 | 99 | 1391515 | 10.1 | |
| 28 Acetonitrile | 41 | 3.043 | 3.044 | -0.001 | 99 | 122369 | 36.3 | |
| 30 Methyl acetate | 43 | 3.102 | 3.103 | -0.001 | 94 | 288245 | 9.35 | |
| 31 Methylene Chloride | 84 | 3.197 | 3.198 | -0.001 | 85 | 527651 | 9.59 | |
| 32 2-Methyl-2-propanol | 59 | 3.256 | 3.257 | -0.001 | 94 | 469676 | 194.6 | |
| 33 Acrylonitrile | 53 | 3.374 | 3.375 | -0.001 | 99 | 431487 | 28.4 | |
| 35 Methyl tert-butyl ether | 73 | 3.422 | 3.422 | 0.0 | 88 | 1276547 | 9.31 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.433 | 3.434 | -0.001 | 91 | 523798 | 10.1 | |
| 36 Hexane | 86 | 3.658 | 3.659 | -0.001 | 93 | 105148 | 10.2 | |
| 37 1,1-Dichloroethane | 63 | 3.765 | 3.765 | 0.0 | 85 | 852844 | 10.1 | |
| 38 Vinyl acetate | 86 | 3.800 | 3.789 | 0.011 | 96 | 87362 | 10.6 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 39 Isopropyl ether | 87 | 3.824 | 3.824 | 0.0 | 95 | 436247 | 9.98 | |
| 42 2-Butanone (MEK) | 43 | 4.238 | 4.239 | -0.001 | 97 | 300056 | 18.5 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.238 | 4.239 | -0.001 | 70 | 526384 | 9.95 | |
| 44 2,2-Dichloropropane | 77 | 4.250 | 4.250 | 0.0 | 91 | 489171 | 9.18 | |
| 48 Chlorobromomethane | 128 | 4.439 | 4.440 | -0.001 | 91 | 255161 | 9.67 | |
| 49 Tetrahydrofuran | 42 | 4.486 | 4.487 | -0.001 | 32 | 99854 | 9.23 | |
| 50 Chloroform | 83 | 4.498 | 4.499 | -0.001 | 71 | 864042 | 9.77 | |
| 51 1,1,1-Trichloroethane | 97 | 4.675 | 4.676 | -0.001 | 87 | 700402 | 9.71 | |
| 52 Cyclohexane | 56 | 4.735 | 4.735 | 0.0 | 88 | 710191 | 10.1 | |
| 53 1,1-Dichloropropene | 75 | 4.806 | 4.806 | 0.0 | 94 | 676357 | 10.5 | |
| 54 Carbon tetrachloride | 117 | 4.817 | 4.818 | -0.001 | 90 | 668946 | 10.2 | |
| 55 Isobutyl alcohol | 41 | 4.841 | 4.841 | 0.0 | 92 | 489177 | 487.1 | |
| 56 1,2-Dichloroethane | 62 | 4.971 | 4.972 | -0.001 | 49 | 689057 | 9.97 | |
| 57 Benzene | 78 | 4.983 | 4.984 | -0.001 | 95 | 2041358 | 10.4 | |
| 61 Trichloroethene | 130 | 5.515 | 5.516 | -0.001 | 93 | 535792 | 10.3 | |
| 64 1,2-Dichloropropane | 63 | 5.705 | 5.693 | 0.012 | 77 | 457546 | 10.5 | |
| 63 Methylcyclohexane | 83 | 5.693 | 5.693 | 0.0 | 85 | 695379 | 10.3 | |
| 66 Dibromomethane | 93 | 5.799 | 5.800 | -0.001 | 86 | 287440 | 10.4 | |
| 68 Dichlorobromomethane | 83 | 5.917 | 5.918 | -0.001 | 91 | 601422 | 10.2 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.166 | 6.167 | -0.001 | 91 | 192863 | 8.67 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.308 | 6.309 | -0.001 | 90 | 615151 | 9.55 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.438 | 6.439 | -0.001 | 96 | 611002 | 19.7 | |
| 73 Toluene | 91 | 6.627 | 6.628 | -0.001 | 88 | 2141168 | 10.0 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.793 | 6.794 | -0.001 | 94 | 549613 | 9.52 | |
| 76 1,1,2-Trichloroethane | 97 | 6.958 | 6.959 | -0.001 | 88 | 389513 | 9.88 | |
| 77 1,3-Dichloropropane | 76 | 7.112 | 7.113 | -0.001 | 91 | 684273 | 9.86 | |
| 78 Tetrachloroethene | 164 | 7.124 | 7.125 | -0.001 | 89 | 440335 | 9.65 | |
| 79 2-Hexanone | 43 | 7.183 | 7.184 | -0.001 | 96 | 367811 | 18.1 | |
| 81 Chlorodibromomethane | 129 | 7.325 | 7.326 | -0.001 | 88 | 395480 | 9.78 | |
| 83 Ethylene Dibromide | 107 | 7.443 | 7.444 | -0.001 | 98 | 371728 | 9.79 | |
| 85 Chlorobenzene | 112 | 7.905 | 7.905 | 0.0 | 94 | 1320457 | 9.86 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.976 | 7.976 | 0.0 | 81 | 473405 | 9.98 | |
| 87 Ethylbenzene | 106 | 7.999 | 8.000 | -0.001 | 98 | 722918 | 10.3 | |
| 88 m-Xylene & p-Xylene | 106 | 8.106 | 8.106 | 0.0 | 100 | 1820215 | 20.9 | |
| 89 o-Xylene | 106 | 8.484 | 8.485 | -0.001 | 92 | 863101 | 10.4 | |
| 90 Styrene | 104 | 8.496 | 8.497 | -0.001 | 91 | 1422804 | 9.75 | |
| 91 Bromoform | 173 | 8.674 | 8.674 | 0.0 | 96 | 235005 | 8.98 | |
| 92 Isopropylbenzene | 105 | 8.839 | 8.840 | -0.001 | 95 | 2114804 | 10.7 | |
| 94 Cyclohexanone | 55 | 8.922 | 8.922 | 0.0 | 85 | 195353 | 49.5 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.099 | 9.100 | -0.001 | 86 | 480384 | 9.53 | |
| 96 Bromobenzene | 156 | 9.135 | 9.136 | -0.001 | 92 | 612165 | 10.1 | |
| 97 1,2,3-Trichloropropane | 110 | 9.158 | 9.159 | -0.001 | 72 | 173946 | 9.96 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.158 | 9.159 | -0.001 | 76 | 232366 | 17.1 | |
| 99 N-Propylbenzene | 120 | 9.241 | 9.242 | -0.001 | 97 | 599998 | 10.4 | |
| 100 2-Chlorotoluene | 126 | 9.324 | 9.325 | -0.001 | 97 | 541680 | 10.3 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.407 | 9.408 | -0.001 | 93 | 1737516 | 10.5 | |
| 102 4-Chlorotoluene | 126 | 9.431 | 9.431 | 0.0 | 98 | 586362 | 10.1 | |
| 103 tert-Butylbenzene | 119 | 9.726 | 9.727 | -0.001 | 90 | 1556061 | 11.1 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.774 | 9.774 | 0.0 | 81 | 1759664 | 10.5 | |
| 105 sec-Butylbenzene | 105 | 9.951 | 9.952 | -0.001 | 94 | 1908917 | 10.6 | |
| 106 1,3-Dichlorobenzene | 146 | 10.057 | 10.058 | -0.001 | 96 | 1086962 | 10.1 | |
| 107 4-Isopropyltoluene | 119 | 10.081 | 10.082 | -0.001 | 94 | 1710908 | 11.3 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 108 1,4-Dichlorobenzene | 146 | 10.140 | 10.141 | -0.001 | 93 | 1114838 | 9.59 | |
| 109 1,2,3-Trimethylbenzene | 105 | 10.188 | 10.199 | -0.011 | 92 | 1800220 | 10.2 | |
| 110 n-Butylbenzene | 91 | 10.495 | 10.496 | -0.001 | 95 | 1280801 | 10.6 | |
| 111 1,2-Dichlorobenzene | 146 | 10.519 | 10.508 | 0.011 | 97 | 1031749 | 10.3 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.276 | 11.277 | -0.001 | 77 | 67130 | 9.95 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.116 | 12.116 | 0.0 | 93 | 414134 | 8.88 | |
| 115 Hexachlorobutadiene | 225 | 12.293 | 12.294 | -0.001 | 93 | 200486 | 8.20 | |
| 116 Naphthalene | 128 | 12.364 | 12.365 | -0.001 | 100 | 843104 | 7.82 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.612 | 12.613 | -0.001 | 98 | 386101 | 8.98 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 38.7 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 20.1 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 31.3 | |

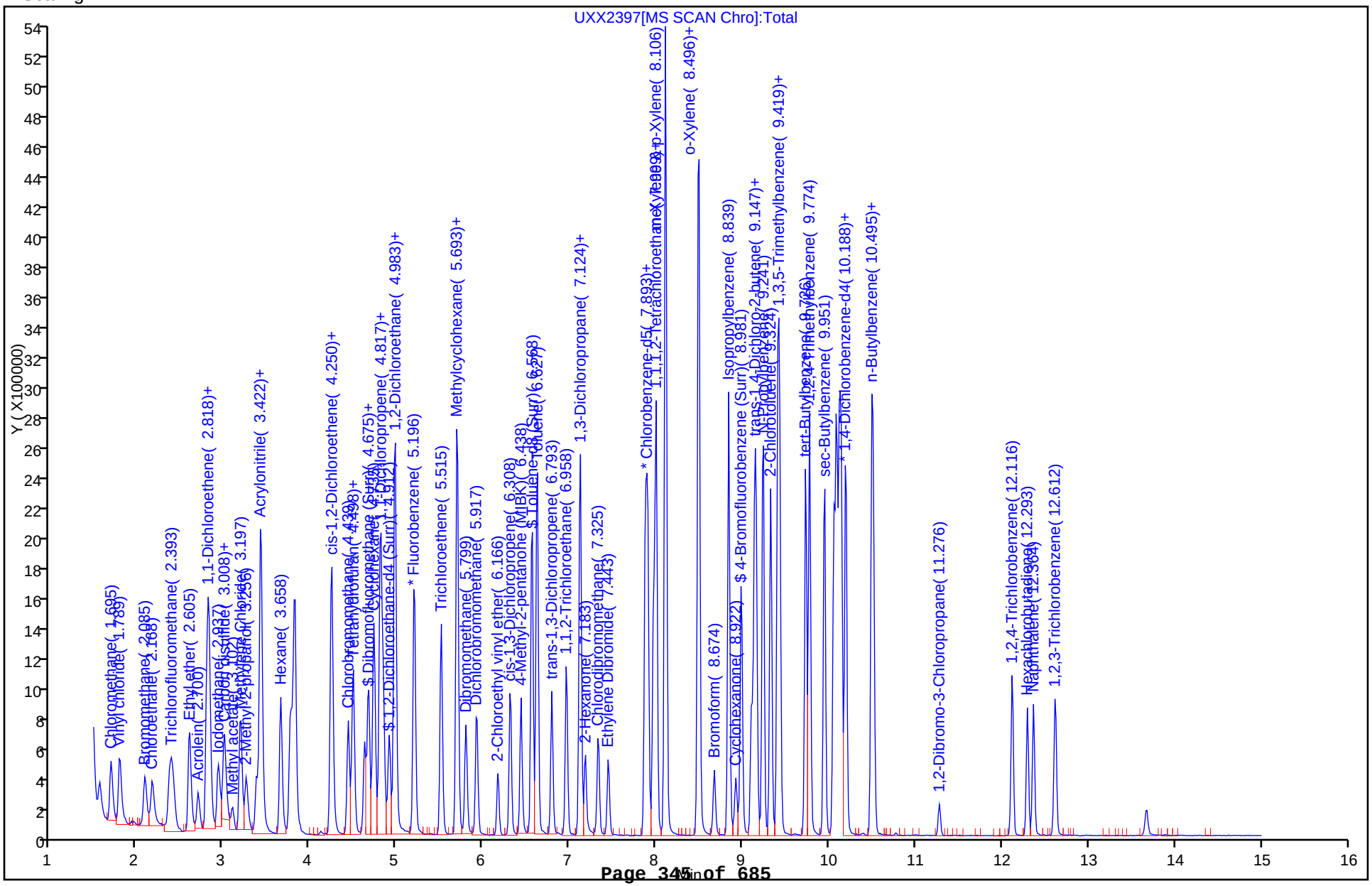
Report Date: 15-Feb-2013 08:17:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130214-17353.b\UXX2397.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 16:00:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75367 | Lims Sample ID: | 5 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-75453/4

Matrix: Water | Lab File ID: UXX2423.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 10:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 15.8 | | 10 | 1.1 |
| 71-43-2 | Benzene | 9.81 | | 1.0 | 0.13 |
| 75-27-4 | Dichlorobromomethane | 9.46 | | 1.0 | 0.15 |
| 75-25-2 | Bromoform | 9.27 | | 1.0 | 0.64 |
| 74-83-9 | Bromomethane | 7.96 | | 1.0 | 0.41 |
| 78-93-3 | 2-Butanone (MEK) | 16.4 | | 10 | 0.57 |
| 75-15-0 | Carbon disulfide | 9.30 | | 1.0 | 0.13 |
| 56-23-5 | Carbon tetrachloride | 9.61 | | 1.0 | 0.13 |
| 108-90-7 | Chlorobenzene | 10.3 | | 1.0 | 0.15 |
| 75-00-3 | Chloroethane | 8.73 | | 1.0 | 0.29 |
| 67-66-3 | Chloroform | 9.57 | | 1.0 | 0.16 |
| 74-87-3 | Chloromethane | 9.07 | | 1.0 | 0.30 |
| 75-34-3 | 1,1-Dichloroethane | 9.63 | | 1.0 | 0.15 |
| 107-06-2 | 1,2-Dichloroethane | 9.31 | | 1.0 | 0.22 |
| 75-35-4 | 1,1-Dichloroethene | 9.14 | | 1.0 | 0.19 |
| 78-87-5 | 1,2-Dichloropropane | 9.67 | | 1.0 | 0.18 |
| 10061-01-5 | cis-1,3-Dichloropropene | 8.78 | | 1.0 | 0.14 |
| 10061-02-6 | trans-1,3-Dichloropropene | 9.54 | | 1.0 | 0.19 |
| 100-41-4 | Ethylbenzene | 10.5 | | 1.0 | 0.17 |
| 591-78-6 | 2-Hexanone | 19.3 | | 10 | 0.41 |
| 75-09-2 | Methylene Chloride | 9.09 | | 1.0 | 0.33 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 17.9 | | 10 | 0.32 |
| 100-42-5 | Styrene | 10.0 | | 1.0 | 0.11 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.87 | | 1.0 | 0.18 |
| 127-18-4 | Tetrachloroethene | 9.98 | | 1.0 | 0.29 |
| 108-88-3 | Toluene | 10.5 | | 1.0 | 0.13 |
| 79-01-6 | Trichloroethene | 9.65 | | 1.0 | 0.17 |
| 75-01-4 | Vinyl chloride | 9.40 | | 1.0 | 0.22 |
| 1330-20-7 | Xylenes, Total | 32.2 | | 2.0 | 0.28 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.36 | | 1.0 | 0.22 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.5 | | 1.0 | 0.27 |
| 110-82-7 | Cyclohexane | 9.57 | | 1.0 | 0.12 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 8.87 | | 2.0 | 0.67 |
| 106-93-4 | Ethylene Dibromide | 9.93 | | 1.0 | 0.24 |
| 75-71-8 | Dichlorodifluoromethane | 8.42 | | 1.0 | 0.31 |
| 156-59-2 | cis-1,2-Dichloroethene | 9.85 | | 1.0 | 0.17 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-75453/4

Matrix: Water | Lab File ID: UXX2423.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/15/2013 10:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75453 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 156-60-5 | trans-1,2-Dichloroethene | 9.94 | | 1.0 | 0.19 |
| 98-82-8 | Isopropylbenzene | 10.8 | | 1.0 | 0.13 |
| 79-20-9 | Methyl acetate | ND | | 10 | 0.38 |
| 1634-04-4 | Methyl tert-butyl ether | 8.67 | | 5.0 | 0.17 |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.4 | | 1.0 | 0.28 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 8.04 | | 1.0 | 0.15 |
| 95-50-1 | 1,2-Dichlorobenzene | 10.5 | | 1.0 | 0.13 |
| 541-73-1 | 1,3-Dichlorobenzene | 10.3 | | 1.0 | 0.14 |
| 106-46-7 | 1,4-Dichlorobenzene | 10.1 | | 1.0 | 0.13 |
| 75-69-4 | Trichlorofluoromethane | 9.53 | | 1.0 | 0.21 |
| 124-48-1 | Chlorodibromomethane | 10.2 | | 1.0 | 0.18 |
| 108-87-2 | Methylcyclohexane | 9.60 | | 1.0 | 0.13 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 81 | | 63-129 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 98 | | 66-117 |
| 2037-26-5 | Toluene-d8 (Surr) | 95 | | 74-115 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 86 | | 75-121 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2423.D
Lims ID: LCS Client ID:
Inject. Date: 15-Feb-2013 10:57:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017373-004
Misc. Info.:
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 75453 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20130215-17373.b\8260_10.m
Last Update: 18-Feb-2013 07:10:31 Calib Date: 11-Feb-2013 13:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20130211-17255.b\UXX2347.D
Limit Group: MSV 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK029

First Level Reviewer: quayler Date: 15-Feb-2013 11:25:46

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| * 1 Fluorobenzene | 96 | 5.198 | 5.195 | 0.003 | 99 | 1845784 | 10.0 | |
| * 2 Chlorobenzene-d5 | 117 | 7.872 | 7.880 | -0.008 | 84 | 1226271 | 10.0 | |
| * 3 1,4-Dichlorobenzene-d4 | 152 | 10.119 | 10.116 | 0.003 | 83 | 742368 | 10.0 | |
| $ 5 Dibromofluoromethane (Surr) | 113 | 4.631 | 4.629 | 0.002 | 56 | 436399 | 8.64 | |
| $ 6 1,2-Dichloroethane-d4 (Surr) | 65 | 4.915 | 4.913 | 0.002 | 0 | 544364 | 8.13 | |
| $ 7 Toluene-d8 (Surr) | 98 | 6.559 | 6.569 | -0.010 | 84 | 1644535 | 9.50 | |
| $ 8 4-Bromofluorobenzene (Surr) | 95 | 8.984 | 8.982 | 0.002 | 93 | 546502 | 9.77 | |
| 12 Dichlorodifluoromethane | 85 | 1.567 | 1.565 | 0.002 | 87 | 404046 | 8.42 | |
| 13 Chloromethane | 50 | 1.697 | 1.695 | 0.002 | 88 | 628137 | 9.07 | |
| 14 Vinyl chloride | 62 | 1.792 | 1.790 | 0.002 | 83 | 656178 | 9.40 | |
| 16 Bromomethane | 94 | 2.088 | 2.086 | 0.002 | 88 | 315136 | 7.96 | |
| 17 Chloroethane | 64 | 2.170 | 2.168 | 0.002 | 94 | 396826 | 8.73 | |
| 19 Trichlorofluoromethane | 101 | 2.383 | 2.381 | 0.002 | 83 | 767557 | 9.53 | |
| 20 Ethyl ether | 59 | 2.596 | 2.605 | -0.009 | 88 | 530828 | 9.18 | |
| 21 Acrolein | 56 | 2.703 | 2.701 | 0.002 | 90 | 232544 | 32.2 | |
| 23 1,1-Dichloroethene | 96 | 2.809 | 2.807 | 0.002 | 90 | 490435 | 9.14 | |
| 24 Acetone | 43 | 2.821 | 2.819 | 0.002 | 48 | 219966 | 15.8 | |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.833 | 2.831 | 0.002 | 82 | 431347 | 10.4 | |
| 26 Iodomethane | 142 | 2.939 | 2.937 | 0.002 | 99 | 810828 | 10.1 | |
| 27 Carbon disulfide | 76 | 2.998 | 3.008 | -0.010 | 99 | 1355663 | 9.30 | |
| 28 Acetonitrile | 41 | 3.046 | 3.044 | 0.002 | 90 | 93281 | 26.2 | |
| 30 Methyl acetate | 43 | 3.093 | 3.103 | -0.010 | 87 | 259499 | 7.96 | |
| 31 Methylene Chloride | 84 | 3.188 | 3.186 | 0.002 | 86 | 530791 | 9.09 | |
| 32 2-Methyl-2-propanol | 59 | 3.259 | 3.257 | 0.002 | 92 | 382607 | 150.0 | |
| 33 Acrylonitrile | 53 | 3.377 | 3.375 | 0.002 | 97 | 421979 | 26.3 | |
| 34 trans-1,2-Dichloroethene | 96 | 3.424 | 3.422 | 0.002 | 68 | 543780 | 9.94 | |
| 35 Methyl tert-butyl ether | 73 | 3.424 | 3.422 | 0.002 | 90 | 1256535 | 8.67 | |
| 36 Hexane | 86 | 3.661 | 3.659 | 0.002 | 91 | 109060 | 9.97 | |
| 37 1,1-Dichloroethane | 63 | 3.767 | 3.765 | 0.002 | 85 | 859254 | 9.63 | |
| 38 Vinyl acetate | 86 | 3.791 | 3.789 | 0.002 | 97 | 85352 | 9.86 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 39 Isopropyl ether | 87 | 3.815 | 3.823 | -0.009 | 92 | 443482 | 9.60 | |
| 42 2-Butanone (MEK) | 43 | 4.229 | 4.238 | -0.010 | 85 | 281434 | 16.4 | |
| 43 cis-1,2-Dichloroethene | 96 | 4.240 | 4.238 | 0.002 | 68 | 550686 | 9.85 | |
| 44 2,2-Dichloropropane | 77 | 4.252 | 4.250 | 0.002 | 89 | 510654 | 9.07 | |
| 48 Chlorobromomethane | 128 | 4.441 | 4.439 | 0.002 | 84 | 271585 | 9.74 | |
| 49 Tetrahydrofuran | 42 | 4.489 | 4.487 | 0.002 | 92 | 86644 | 7.58 | |
| 50 Chloroform | 83 | 4.489 | 4.499 | -0.010 | 81 | 894448 | 9.57 | |
| 51 1,1,1-Trichloroethane | 97 | 4.678 | 4.676 | 0.002 | 87 | 713424 | 9.36 | |
| 52 Cyclohexane | 56 | 4.737 | 4.735 | 0.002 | 85 | 711399 | 9.57 | |
| 53 1,1-Dichloropropene | 75 | 4.808 | 4.806 | 0.002 | 94 | 674367 | 9.89 | |
| 54 Carbon tetrachloride | 117 | 4.820 | 4.818 | 0.002 | 84 | 663255 | 9.61 | |
| 55 Isobutyl alcohol | 41 | 4.844 | 4.840 | 0.004 | 89 | 477197 | 512.2 | |
| 56 1,2-Dichloroethane | 62 | 4.974 | 4.972 | 0.002 | 49 | 679510 | 9.31 | |
| 57 Benzene | 78 | 4.974 | 4.984 | -0.010 | 94 | 2034235 | 9.81 | |
| 61 Trichloroethene | 130 | 5.518 | 5.516 | 0.002 | 94 | 531875 | 9.65 | |
| 63 Methylcyclohexane | 83 | 5.695 | 5.693 | 0.002 | 84 | 685785 | 9.60 | |
| 64 1,2-Dichloropropane | 63 | 5.695 | 5.693 | 0.002 | 74 | 445979 | 9.67 | |
| 66 Dibromomethane | 93 | 5.802 | 5.800 | 0.002 | 86 | 293398 | 10.1 | |
| 68 Dichlorobromomethane | 83 | 5.920 | 5.918 | 0.002 | 93 | 589490 | 9.46 | |
| 70 2-Chloroethyl vinyl ether | 63 | 6.168 | 6.166 | 0.002 | 92 | 185646 | 7.98 | |
| 71 cis-1,3-Dichloropropene | 75 | 6.310 | 6.308 | 0.002 | 90 | 598063 | 8.78 | |
| 72 4-Methyl-2-pentanone (MIBK) | 43 | 6.440 | 6.438 | 0.002 | 96 | 587524 | 17.9 | |
| 73 Toluene | 91 | 6.618 | 6.628 | -0.010 | 92 | 2070346 | 10.5 | |
| 74 trans-1,3-Dichloropropene | 75 | 6.795 | 6.793 | 0.002 | 90 | 510811 | 9.54 | |
| 76 1,1,2-Trichloroethane | 97 | 6.961 | 6.959 | 0.002 | 91 | 384283 | 10.5 | |
| 77 1,3-Dichloropropane | 76 | 7.115 | 7.113 | 0.002 | 89 | 638317 | 9.92 | |
| 78 Tetrachloroethene | 164 | 7.127 | 7.124 | 0.002 | 92 | 422549 | 9.98 | |
| 79 2-Hexanone | 43 | 7.174 | 7.184 | -0.010 | 95 | 363900 | 19.3 | |
| 81 Chlorodibromomethane | 129 | 7.328 | 7.326 | 0.002 | 88 | 382296 | 10.2 | |
| 83 Ethylene Dibromide | 107 | 7.446 | 7.444 | 0.002 | 98 | 349950 | 9.93 | |
| 85 Chlorobenzene | 112 | 7.907 | 7.905 | 0.002 | 96 | 1276272 | 10.3 | |
| 86 1,1,1,2-Tetrachloroethane | 131 | 7.966 | 7.964 | 0.002 | 82 | 450346 | 10.2 | |
| 87 Ethylbenzene | 106 | 8.002 | 8.000 | 0.002 | 98 | 683865 | 10.5 | |
| 88 m-Xylene & p-Xylene | 106 | 8.108 | 8.106 | 0.002 | 100 | 1733511 | 21.4 | |
| 89 o-Xylene | 106 | 8.487 | 8.485 | 0.002 | 90 | 830953 | 10.8 | |
| 90 Styrene | 104 | 8.499 | 8.497 | 0.002 | 92 | 1359235 | 10.0 | |
| 91 Bromoform | 173 | 8.676 | 8.674 | 0.002 | 95 | 225350 | 9.27 | |
| 92 Isopropylbenzene | 105 | 8.842 | 8.840 | 0.002 | 95 | 1976035 | 10.8 | |
| 94 Cyclohexanone | 55 | 8.924 | 8.921 | 0.003 | 88 | 197197 | 53.9 | |
| 95 1,1,2,2-Tetrachloroethane | 83 | 9.102 | 9.100 | 0.002 | 83 | 461721 | 9.87 | |
| 96 Bromobenzene | 156 | 9.137 | 9.135 | 0.002 | 91 | 576697 | 10.3 | |
| 97 1,2,3-Trichloropropane | 110 | 9.149 | 9.159 | -0.010 | 73 | 160993 | 9.94 | |
| 98 trans-1,4-Dichloro-2-butene | 53 | 9.161 | 9.159 | 0.002 | 78 | 211347 | 16.8 | |
| 99 N-Propylbenzene | 120 | 9.232 | 9.242 | -0.010 | 97 | 570690 | 10.7 | |
| 100 2-Chlorotoluene | 126 | 9.327 | 9.325 | 0.002 | 97 | 514371 | 10.5 | |
| 101 1,3,5-Trimethylbenzene | 105 | 9.409 | 9.407 | 0.002 | 91 | 1629017 | 10.6 | |
| 102 4-Chlorotoluene | 126 | 9.433 | 9.431 | 0.002 | 99 | 553998 | 10.3 | |
| 103 tert-Butylbenzene | 119 | 9.729 | 9.727 | 0.002 | 91 | 1470150 | 11.3 | |
| 104 1,2,4-Trimethylbenzene | 105 | 9.776 | 9.774 | 0.002 | 85 | 1699494 | 10.9 | |
| 105 sec-Butylbenzene | 105 | 9.942 | 9.952 | -0.010 | 93 | 1721432 | 10.3 | |
| 106 1,3-Dichlorobenzene | 146 | 10.060 | 10.058 | 0.002 | 97 | 1019845 | 10.3 | |
| 107 4-Isopropyltoluene | 119 | 10.084 | 10.082 | 0.002 | 91 | 1566156 | 11.2 | |

| Compound | Sig | RT | EXP RT | DLT RT | Q | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|---|
| 108 1,4-Dichlorobenzene | 146 | 10.143 | 10.141 | 0.002 | 94 | 1086070 | 10.1 | |
| 109 1,2,3-Trimethylbenzene | 105 | 10.190 | 10.199 | -0.009 | 96 | 1693213 | 10.4 | |
| 110 n-Butylbenzene | 91 | 10.486 | 10.496 | -0.010 | 97 | 1153062 | 10.3 | |
| 111 1,2-Dichlorobenzene | 146 | 10.509 | 10.519 | -0.010 | 97 | 977966 | 10.5 | |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.278 | 11.276 | 0.002 | 80 | 55531 | 8.87 | |
| 114 1,2,4-Trichlorobenzene | 180 | 12.118 | 12.116 | 0.002 | 86 | 347889 | 8.04 | |
| 115 Hexachlorobutadiene | 225 | 12.296 | 12.294 | 0.002 | 92 | 156476 | 6.90 | |
| 116 Naphthalene | 128 | 12.367 | 12.365 | 0.002 | 100 | 640260 | 6.48 | |
| 117 1,2,3-Trichlorobenzene | 180 | 12.615 | 12.613 | 0.002 | 97 | 295315 | 7.41 | |
| S 119 Trihalomethanes, Total | 1 | | | | 0 | | 38.5 | |
| S 120 1,2-Dichloroethene, Total | 96 | | | | 0 | | 19.8 | |
| S 122 Xylenes, Total | 106 | | | | 0 | | 32.2 | |

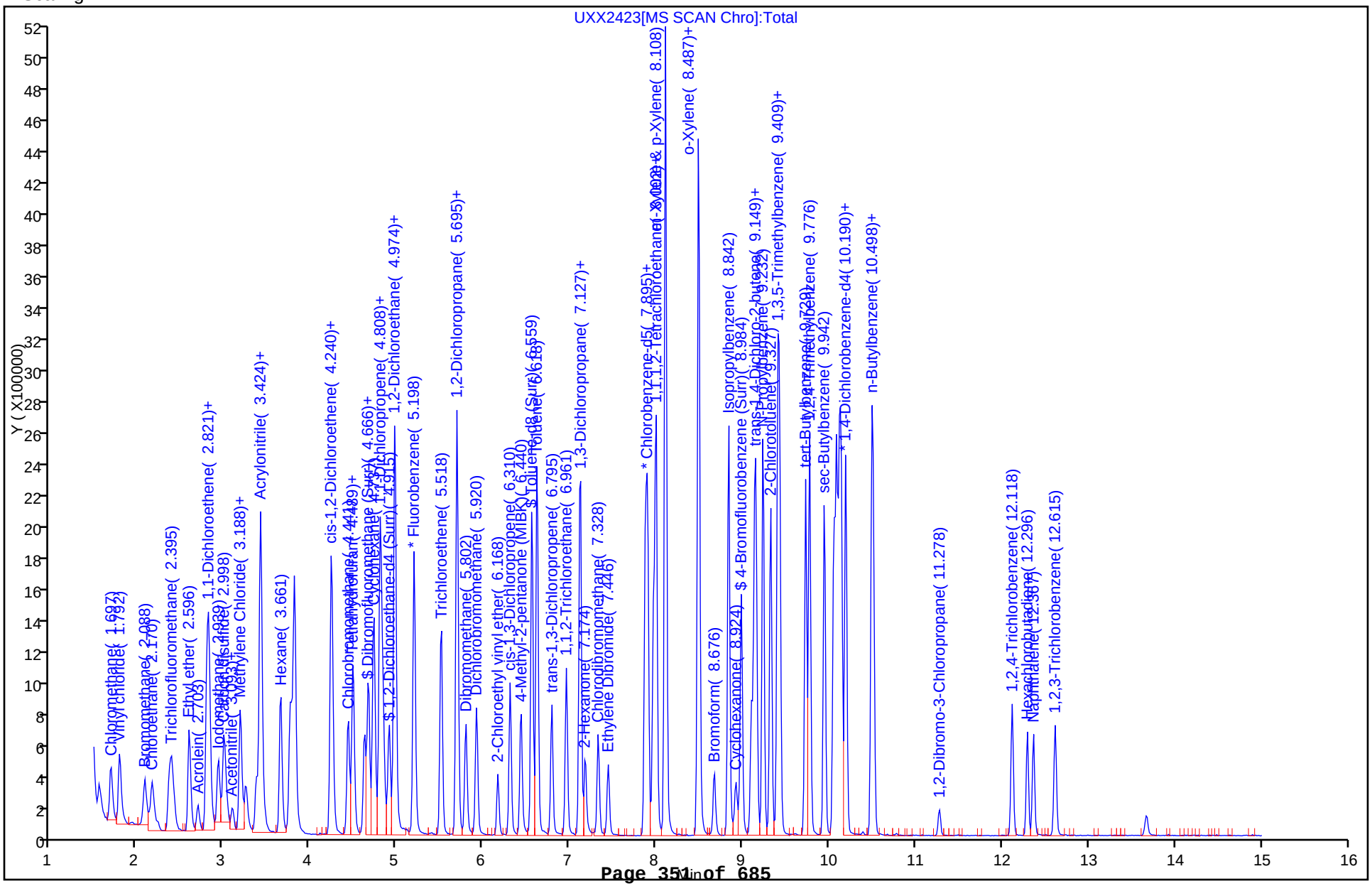
Report Date: 18-Feb-2013 07:10:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20130215-17373.b\UXX2423.D

| | | | |
|---|---|---|---|
| Injection Date: | 15-Feb-2013 10:57:30 | Limit Group: | MSV 8260B ICAL |
| Client ID: | | Instrument ID: | A3UX10 |
| Lims Batch ID: | 75453 | Lims Sample ID: | 4 |
| Operator ID: | 1904 | Purge Vol: | 5.000 mL |
| Column Type: | DB-624 | Column Dia: | 0.18 mm |

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: A3UX10 Start Date: 02/11/2013 09:15

Analysis Batch Number: 74846 End Date: 02/11/2013 20:49

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-74846/1 | | 02/11/2013 09:15 | 1 | BFB5128.D | DB-624 0.18(mm) |
| STD8260 240-74846/2 IC | | 02/11/2013 09:40 | 1 | UXX2336.D | DB-624 0.18(mm) |
| STD8260 240-74846/3 IC | | 02/11/2013 10:02 | 1 | UXX2337.D | DB-624 0.18(mm) |
| STD8260 240-74846/4 ICIS | | 02/11/2013 10:24 | 1 | UXX2338.D | DB-624 0.18(mm) |
| STD8260 240-74846/5 IC | | 02/11/2013 10:45 | 1 | UXX2339.D | DB-624 0.18(mm) |
| STD8260 240-74846/6 IC | | 02/11/2013 11:07 | 1 | UXX2340.D | DB-624 0.18(mm) |
| STD8260 240-74846/7 IC | | 02/11/2013 11:29 | 1 | UXX2341.D | DB-624 0.18(mm) |
| STDA9 240-74846/8 IC | | 02/11/2013 11:50 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74846/9 IC | | 02/11/2013 12:12 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74846/10 IC | | 02/11/2013 12:34 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74846/11 IC | | 02/11/2013 12:56 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74846/12 IC | | 02/11/2013 13:17 | 1 | | DB-624 0.18(mm) |
| STDA9 240-74846/13 IC | | 02/11/2013 13:39 | 1 | | DB-624 0.18(mm) |
| ICV 240-74846/14 | | 02/11/2013 14:00 | 1 | UXX2348.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 14:22 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 14:44 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 15:06 | 4 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 15:27 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 15:48 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 16:10 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 16:31 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 16:53 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 17:14 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 17:35 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 17:57 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 18:18 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 18:40 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 19:02 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 19:23 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 19:45 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 20:06 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 20:27 | 4 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/11/2013 20:49 | 4 | | DB-624 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: A3UX10 Start Date: 02/14/2013 14:27

Analysis Batch Number: 75367 End Date: 02/15/2013 00:12

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-75367/1 | | 02/14/2013 14:27 | 1 | BFB5130.D | DB-624 0.18(mm) |
| CCVIS 240-75367/3 | | 02/14/2013 15:17 | 1 | UXX2395.D | DB-624 0.18(mm) |
| CCV 240-75367/4 | | 02/14/2013 15:38 | 1 | UXX2396.D | DB-624 0.18(mm) |
| LCS 240-75367/5 | | 02/14/2013 16:00 | 1 | UXX2397.D | DB-624 0.18(mm) |
| MB 240-75367/6 | | 02/14/2013 16:22 | 1 | UXX2398.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 16:44 | 14.285 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 17:05 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 17:27 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 17:48 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 18:09 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 18:30 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 18:52 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 19:13 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 19:35 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 19:56 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 20:17 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 20:39 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 21:00 | 1 | | DB-624 0.18(mm) |
| 240-20928-1 | FIELD BLANK 3 | 02/14/2013 21:21 | 1 | UXX2412.D | DB-624 0.18(mm) |
| 240-20928-2 | OW-10R | 02/14/2013 21:43 | 1 | UXX2413.D | DB-624 0.18(mm) |
| 240-20928-3 | OW-22 | 02/14/2013 22:04 | 1 | UXX2414.D | DB-624 0.18(mm) |
| 240-20928-4 | OW-21 | 02/14/2013 22:25 | 1 | UXX2415.D | DB-624 0.18(mm) |
| 240-20928-5 | MW-4 | 02/14/2013 22:46 | 1 | UXX2416.D | DB-624 0.18(mm) |
| 240-20928-6 | TRIP BLANK 2 | 02/14/2013 23:08 | 1 | UXX2417.D | DB-624 0.18(mm) |
| 240-20928-7 | FIELD BLANK 2 | 02/14/2013 23:29 | 1 | UXX2418.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/14/2013 23:50 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 00:12 | 1 | | DB-624 0.18(mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: A3UX10 Start Date: 02/15/2013 09:45

Analysis Batch Number: 75453 End Date: 02/15/2013 19:20

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| BFB 240-75453/1 | | 02/15/2013 09:45 | 1 | BFB5131.D | DB-624 0.18(mm) |
| CCVIS 240-75453/2 | | 02/15/2013 10:14 | 1 | UXX2421.D | DB-624 0.18(mm) |
| CCV 240-75453/3 | | 02/15/2013 10:35 | 1 | UXX2422.D | DB-624 0.18(mm) |
| LCS 240-75453/4 | | 02/15/2013 10:57 | 1 | UXX2423.D | DB-624 0.18(mm) |
| MB 240-75453/5 | | 02/15/2013 11:18 | 1 | UXX2424.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 11:47 | 40 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 12:09 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 12:30 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 12:52 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 13:13 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 13:35 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 13:56 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 14:17 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 14:39 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 15:00 | 1 | | DB-624 0.18(mm) |
| 240-20928-8 | OW-18 | 02/15/2013 15:22 | 1 | UXX2435.D | DB-624 0.18(mm) |
| 240-20928-9 | OW-24 | 02/15/2013 15:44 | 1 | UXX2436.D | DB-624 0.18(mm) |
| 240-20928-10 | OW-19 | 02/15/2013 16:05 | 1 | UXX2437.D | DB-624 0.18(mm) |
| 240-20928-11 | PUMP RINSATE BLANK | 02/15/2013 16:27 | 1 | UXX2438.D | DB-624 0.18(mm) |
| 240-20928-12 | OW-25 | 02/15/2013 16:49 | 1 | UXX2439.D | DB-624 0.18(mm) |
| 240-20928-13 | OW-13R | 02/15/2013 17:11 | 1 | UXX2440.D | DB-624 0.18(mm) |
| 240-20928-14 | GW-DUP | 02/15/2013 17:32 | 1 | UXX2441.D | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 17:54 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 18:15 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 18:37 | 1 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 18:58 | 40 | | DB-624 0.18(mm) |
| ZZZZZ | | 02/15/2013 19:20 | 40 | | DB-624 0.18(mm) |

# Method RSK-175

## Dissolved Gases (GC) by Method RSK_175

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ID:

| Client Sample ID | Lab Sample ID | TFE1 # |
|---|---|---|
| OW-10R | 240-20928-2 | 97 |
| OW-10R | 240-20928-2 | 100 |
| OW-22 | 240-20928-3 | 88 |
| OW-22 | 240-20928-3 | 98 |
| OW-21 | 240-20928-4 | 95 |
| MW-4 | 240-20928-5 | 98 |
| OW-18 | 240-20928-8 | 65 |
| OW-18 | 240-20928-8 | 88 |
| OW-18 | 240-20928-8 | 95 |
| OW-24 | 240-20928-9 | 95 |
| OW-19 | 240-20928-10 | 84 |
| OW-19 | 240-20928-10 | 88 |
| OW-25 | 240-20928-12 | 91 |
| OW-13R | 240-20928-13 | 64 |
| GW-DUP | 240-20928-14 | 86 |
| | MB 240-75041/3 | 113 |
| | MB 240-75339/3 | 116 |
| | MB 240-75709/4 | 114 |
| | LCS 240-75041/4 | 110 |
| | LCS 240-75339/4 | 115 |
| | LCS 240-75339/5 | 97 |
| | LCS 240-75339/6 | 111 |
| | LCS 240-75339/7 | 108 |
| | LCS 240-75709/5 | 112 |
| OW-10R MS | 240-20928-2 MS | 99 |
| OW-10R MSD | 240-20928-2 MSD | 99 |

| | QC LIMITS |
|---|---|
| TFE = 1,1,1-Trifluoroethane | 40-122 |

# Column to be used to flag recovery values

FORM II RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021204.D

Lab ID: LCS 240-75041/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methane | 116 | 108 | 93 | 79-113 | |
| Ethane | 218 | 220 | 101 | 77-127 | |
| Ethylene | 203 | 209 | 103 | 64-130 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021404.D

Lab ID: LCS 240-75339/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methane | 116 | 109 | 94 | 79-113 | |
| Ethane | 218 | 223 | 103 | 77-127 | |
| Ethylene | 203 | 215 | 106 | 64-130 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021405.D

Lab ID: LCS 240-75339/5 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methane | 116 | 94.7 | 82 | 79-113 | |
| Ethane | 218 | 193 | 89 | 77-127 | |
| Ethylene | 203 | 185 | 91 | 64-130 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021406.D

Lab ID: LCS 240-75339/6 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methane | 116 | 108 | 94 | 79-113 | |
| Ethane | 218 | 221 | 101 | 77-127 | |
| Ethylene | 203 | 210 | 103 | 64-130 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021407.D

Lab ID: LCS 240-75339/7 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methane | 116 | 107 | 92 | 79-113 | |
| Ethane | 218 | 217 | 100 | 77-127 | |
| Ethylene | 203 | 205 | 101 | 64-130 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021905.D

Lab ID: LCS 240-75709/5 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methane | 116 | 112 | 97 | 79-113 | |
| Ethane | 218 | 233 | 107 | 77-127 | |
| Ethylene | 203 | 222 | 109 | 64-130 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021412.D

Lab ID: 240-20928-2 MS Client ID: OW-10R MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methane | 579 | 2700 | 3210 | 96 | 13-173 | 4 |
| Ethane | 1090 | ND | 1040 | 95 | 59-133 | |
| Ethylene | 1020 | ND | 953 | 94 | 51-129 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z0021413.D

Lab ID: 240-20928-2 MSD Client ID: OW-10R MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methane | 579 | 3240 | 100 | 1 | 42 | 13-173 | 4 |
| Ethane | 1090 | 1060 | 97 | 2 | 34 | 59-133 | |
| Ethylene | 1020 | 972 | 96 | 2 | 34 | 51-129 | |

# Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: MB 240-75041/3

Matrix: Water Date Extracted:

Lab File ID:(1) Z0021203.D Lab File ID:(2)

Date Analyzed:(1) 02/12/2013 14:11 Date Analyzed:(2)

Instrument ID:(1) ZPID Instrument ID:(2)

GC Column:(1) ID: GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 240-75041/4 | 02/12/2013 14:23 | |
| OW-10R | 240-20928-2 | 02/12/2013 19:24 | |
| OW-22 | 240-20928-3 | 02/12/2013 19:36 | |
| OW-21 | 240-20928-4 | 02/12/2013 19:49 | |
| MW-4 | 240-20928-5 | 02/12/2013 20:01 | |
| OW-18 | 240-20928-8 | 02/12/2013 20:13 | |
| OW-24 | 240-20928-9 | 02/12/2013 20:25 | |

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: MB 240-75339/3

Matrix: Water Date Extracted:

Lab File ID:(1) Z0021403.D Lab File ID:(2)

Date Analyzed:(1) 02/14/2013 16:04 Date Analyzed:(2)

Instrument ID:(1) ZPID Instrument ID:(2)

GC Column:(1) ID: GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 240-75339/4 | 02/14/2013 16:16 | |
| | LCS 240-75339/5 | 02/14/2013 16:28 | |
| | LCS 240-75339/6 | 02/14/2013 16:40 | |
| | LCS 240-75339/7 | 02/14/2013 16:52 | |
| OW-10R | 240-20928-2 | 02/14/2013 17:41 | |
| OW-10R MS | 240-20928-2 MS | 02/14/2013 17:54 | |
| OW-10R MSD | 240-20928-2 MSD | 02/14/2013 18:06 | |
| OW-22 | 240-20928-3 | 02/14/2013 18:18 | |
| OW-18 | 240-20928-8 | 02/14/2013 18:30 | |
| OW-18 | 240-20928-8 | 02/14/2013 18:42 | |
| OW-19 | 240-20928-10 | 02/14/2013 18:55 | |
| OW-25 | 240-20928-12 | 02/14/2013 19:07 | |
| OW-13R | 240-20928-13 | 02/14/2013 19:19 | |
| GW-DUP | 240-20928-14 | 02/14/2013 19:31 | |

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: MB 240-75709/4

Matrix: Water Date Extracted:

Lab File ID:(1) Z0021904.D Lab File ID:(2)

Date Analyzed:(1) 02/19/2013 11:40 Date Analyzed:(2)

Instrument ID:(1) ZPID Instrument ID:(2)

GC Column:(1) ID: GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 240-75709/5 | 02/19/2013 11:52 | |
| OW-19 | 240-20928-10 | 02/19/2013 12:05 | |

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Sample No.: CCVRT 240-75041/2  Date Analyzed: 02/12/2013 13:59

Instrument ID: ZPID  GC Column:  ID: ()

Lab File ID (Standard): Z0021202.D  Heated Purge: (Y/N) N

Calibration ID: 13357

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | TFE | | |
|---|---|---|---|---|---|---|
| | | | | RT # | | |
| CONTINUING CALIBRATION SURROGATE | | | | 2.70 | | |
| UPPER LIMIT | | | | 2.75 | | |
| LOWER LIMIT | | | | 2.65 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 240-75041/2 | | 02/12/2013 13:59 | Z0021202.D | 2.70 | | |
| MB 240-75041/3 | | 02/12/2013 14:11 | Z0021203.D | 2.70 | | |
| LCS 240-75041/4 | | 02/12/2013 14:23 | Z0021204.D | 2.70 | | |
| CCV 240-75041/11 | | 02/12/2013 17:34 | Z0021211.D | 2.70 | | |
| 240-20928-2 | OW-10R | 02/12/2013 19:24 | Z0021220.D | 2.70 | | |
| 240-20928-3 | OW-22 | 02/12/2013 19:36 | Z0021221.D | 2.70 | | |
| 240-20928-4 | OW-21 | 02/12/2013 19:49 | Z0021222.D | 2.70 | | |
| 240-20928-5 | MW-4 | 02/12/2013 20:01 | Z0021223.D | 2.70 | | |
| 240-20928-8 | OW-18 | 02/12/2013 20:13 | Z0021224.D | 2.71 | | |
| 240-20928-9 | OW-24 | 02/12/2013 20:25 | Z0021225.D | 2.70 | | |

TFE = 1,1,1-Trifluoroethane

TFE RT Limit = ± 0.05 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII RSK-175

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Sample No.: CCVRT 240-75339/2  Date Analyzed: 02/14/2013 15:51

Instrument ID: ZPID  GC Column:  ID: ()

Lab File ID (Standard): Z0021402.D  Heated Purge: (Y/N) N

Calibration ID: 13357

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | TFE | | |
|---|---|---|---|---|---|---|
| | | | | RT # | | |
| CONTINUING CALIBRATION SURROGATE | | | | 2.70 | | |
| UPPER LIMIT | | | | 2.75 | | |
| LOWER LIMIT | | | | 2.65 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 240-75339/2 | | 02/14/2013 15:51 | Z0021402.D | 2.70 | | |
| MB 240-75339/3 | | 02/14/2013 16:04 | Z0021403.D | 2.70 | | |
| LCS 240-75339/4 | | 02/14/2013 16:16 | Z0021404.D | 2.70 | | |
| LCS 240-75339/5 | | 02/14/2013 16:28 | Z0021405.D | 2.71 | | |
| LCS 240-75339/6 | | 02/14/2013 16:40 | Z0021406.D | 2.70 | | |
| LCS 240-75339/7 | | 02/14/2013 16:52 | Z0021407.D | 2.70 | | |
| 240-20928-2 | OW-10R | 02/14/2013 17:41 | Z0021411.D | 2.71 | | |
| 240-20928-2 MS | OW-10R MS | 02/14/2013 17:54 | Z0021412.D | 2.70 | | |
| 240-20928-2 MSD | OW-10R MSD | 02/14/2013 18:06 | Z0021413.D | 2.70 | | |
| 240-20928-3 | OW-22 | 02/14/2013 18:18 | Z0021414.D | 2.70 | | |
| 240-20928-8 | OW-18 | 02/14/2013 18:30 | Z0021415.D | 2.71 | | |
| 240-20928-8 | OW-18 | 02/14/2013 18:42 | Z0021416.D | 2.70 | | |
| 240-20928-10 | OW-19 | 02/14/2013 18:55 | Z0021417.D | 2.71 | | |
| 240-20928-12 | OW-25 | 02/14/2013 19:07 | Z0021418.D | 2.71 | | |
| 240-20928-13 | OW-13R | 02/14/2013 19:19 | Z0021419.D | 2.71 | | |
| 240-20928-14 | GW-DUP | 02/14/2013 19:31 | Z0021420.D | 2.71 | | |

TFE = 1,1,1-Trifluoroethane

TFE RT Limit = ± 0.05 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII RSK-175

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Sample No.: CCVRT 240-75709/3  Date Analyzed: 02/19/2013 11:28

Instrument ID: ZPID  GC Column:  ID: ()

Lab File ID (Standard): Z0021903.D  Heated Purge: (Y/N) N

Calibration ID: 13357

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | TFE | | |
|---|---|---|---|---|---|---|
| | | | | RT # | | |
| CONTINUING CALIBRATION SURROGATE | | | | 2.70 | | |
| UPPER LIMIT | | | | 2.75 | | |
| LOWER LIMIT | | | | 2.65 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 240-75709/3 | | 02/19/2013 11:28 | Z0021903.D | 2.70 | | |
| MB 240-75709/4 | | 02/19/2013 11:40 | Z0021904.D | 2.70 | | |
| LCS 240-75709/5 | | 02/19/2013 11:52 | Z0021905.D | 2.70 | | |
| 240-20928-10 | OW-19 | 02/19/2013 12:05 | Z0021906.D | 2.71 | | |

TFE = 1,1,1-Trifluoroethane

TFE RT Limit = ± 0.05 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII RSK-175

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-10R Lab Sample ID: 240-20928-2

Matrix: Water Lab File ID: Z0021220.D

Analysis Method: RSK-175 Date Collected: 02/08/2013 09:55

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 19:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 97 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021220.D | | |
| Lims ID: | 240-20928-J-2 | Client ID: | OW-10R |
| Inject. Date: | 12-Feb-2013 19:24:46 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-020 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 20 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.905 | 0.910 | -0.005 | 309644533 | 2754.4 | E |
| 4 Ethylene | | | | | | |
| 2 | | 1.406 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.702 | 2.703 | -0.001 | 96731146 | 2552.1 | |

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

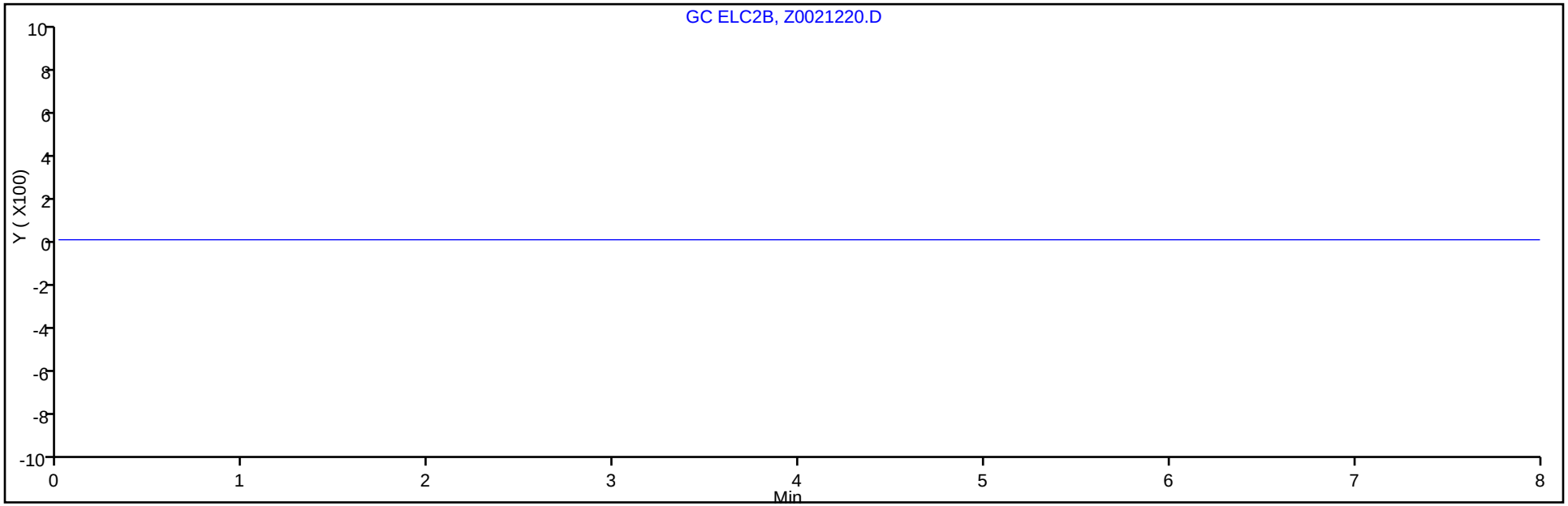
Report Date: 13-Feb-2013 09:07:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

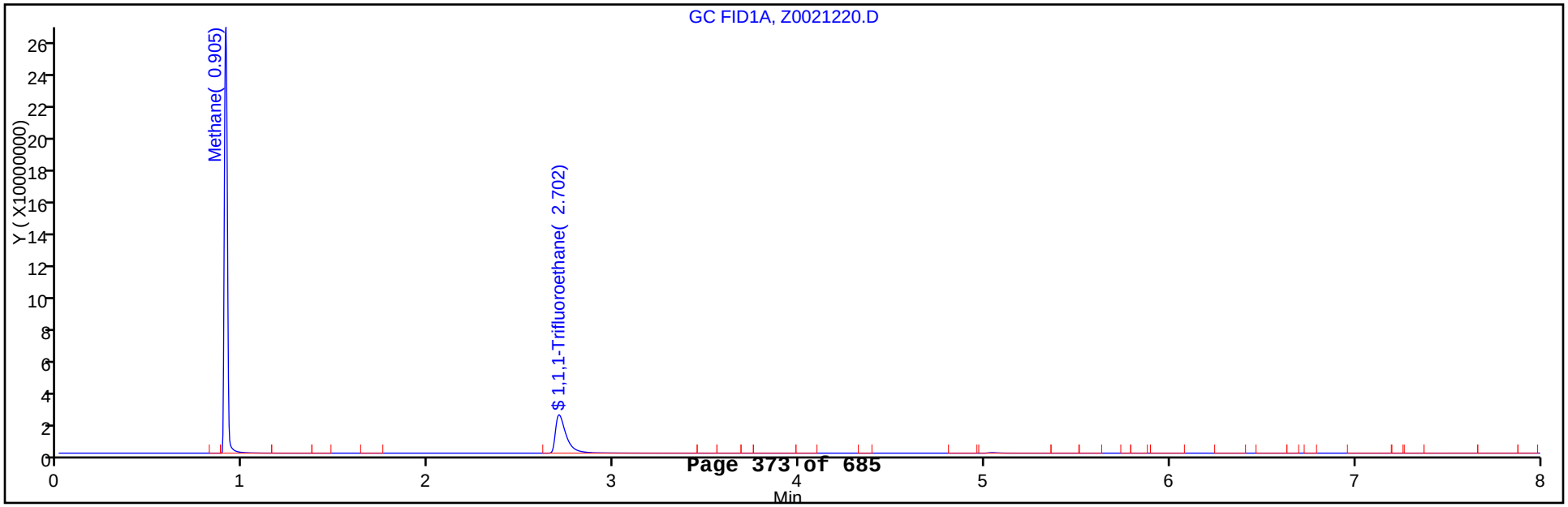
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021220.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 19:24:46 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-10R | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 20 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-10R | Lab Sample ID: 240-20928-2

Matrix: Water | Lab File ID: Z0021411.D

Analysis Method: RSK-175 | Date Collected: 02/08/2013 09:55

Sample wt/vol: 17(mL) | Date Analyzed: 02/14/2013 17:41

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: | ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75339 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 2700 | | 2.5 | 0.49 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 100 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021411.D
Lims ID: 240-20928-D-2 Client ID: OW-10R
Inject. Date: 14-Feb-2013 17:41:51 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0017349-011
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 11
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.908 | 0.909 | -0.001 | 59790328 | 531.9 | |
| 4 Ethylene | | | | | | |
| 2 | | 1.409 | | | | |
| 5 Acetylene | | | | | | 1 |
| 2 | | 1.499 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.683 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.705 | 2.703 | 0.002 | 99960370 | 2637.3 | |
| 8 Propene | | | | | | 1 |
| 2 | | 3.579 | | | | |
| 9 Propane | | | | | | 1 |
| 2 | | 3.773 | | | | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | | 5.406 | | | | |
| 11 Butane | | | | | | |
| 2 | 5.771 | 5.759 | 0.012 | 1772 | 1.74 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| $ 3 Nitrous Oxide (Surr) | | | | | | 1 |
| 1 | | 6.804 | | | | |
| 12 Pentane | | | | | | |
| 2 | | 7.343 | | | | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

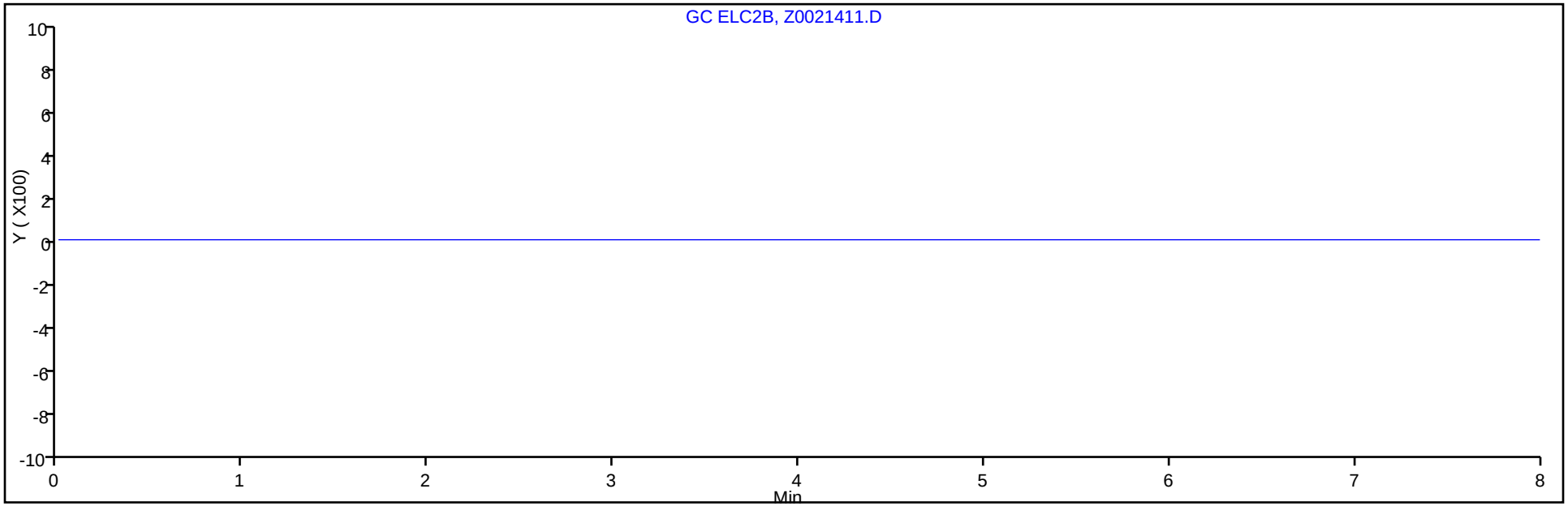
Report Date: 15-Feb-2013 10:11:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

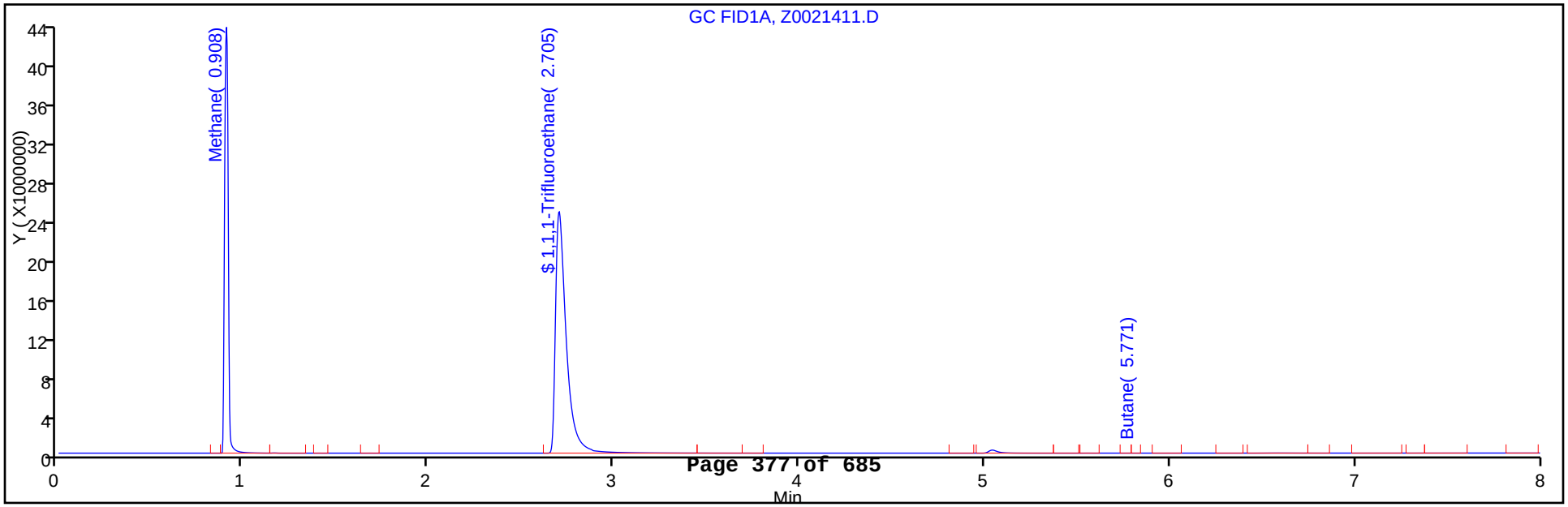
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021411.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 17:41:51 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-10R | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 11 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-22 Lab Sample ID: 240-20928-3

Matrix: Water Lab File ID: Z0021221.D

Analysis Method: RSK-175 Date Collected: 02/08/2013 10:55

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 19:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 88 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021221.D | | |
| Lims ID: | 240-20928-J-3 | Client ID: | OW-22 |
| Inject. Date: | 12-Feb-2013 19:36:59 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-021 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 21 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.903 | 0.910 | -0.007 | 252020934 | 2241.8 | E |
| 4 Ethylene | | | | | | |
| 2 | | 1.406 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 87777777 | 2315.9 | |

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

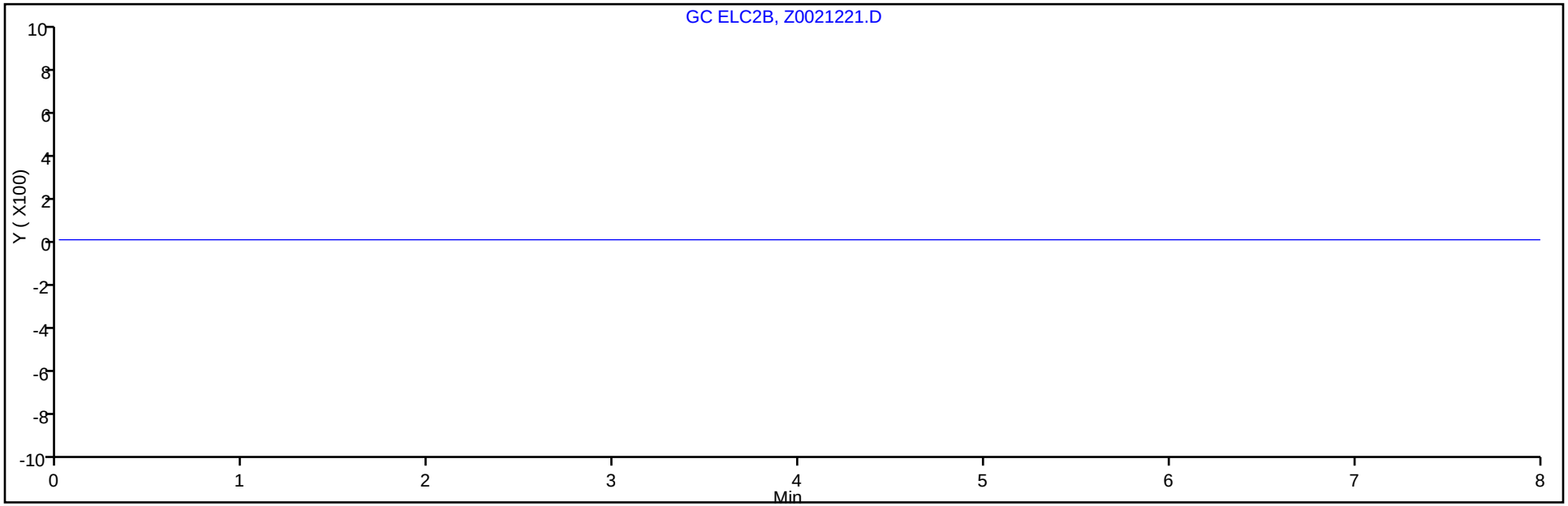
Report Date: 13-Feb-2013 09:07:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

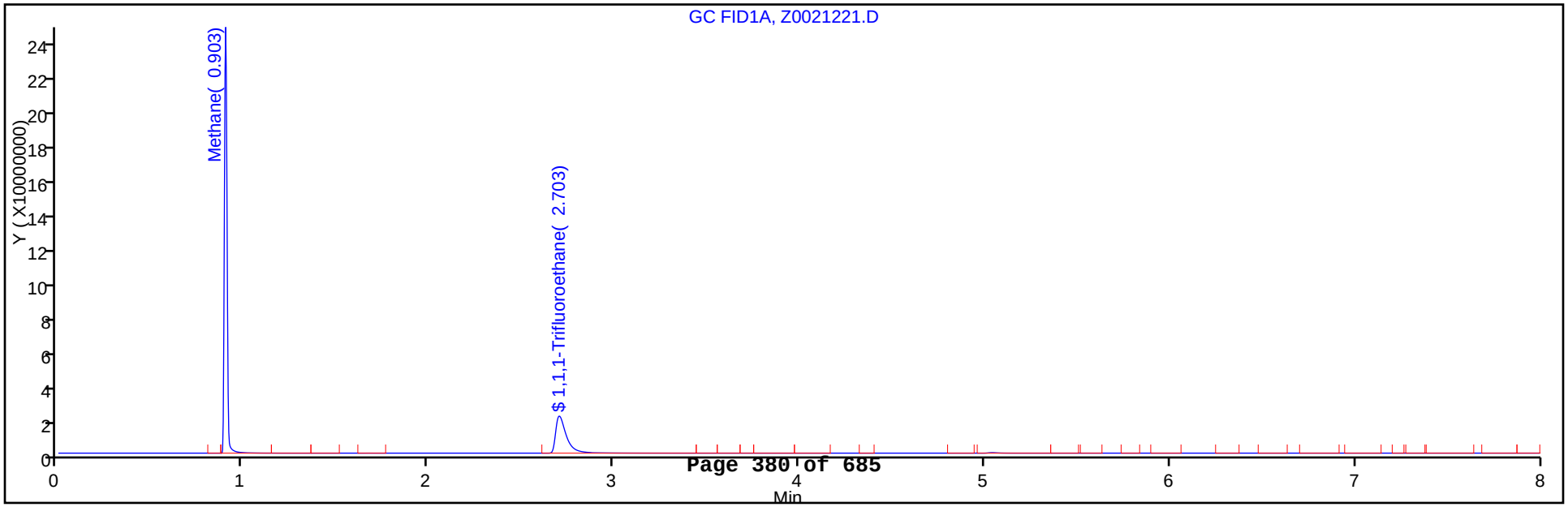
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021221.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 19:36:59 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-22 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 21 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-22  Lab Sample ID: 240-20928-3

Matrix: Water  Lab File ID: Z0021414.D

Analysis Method: RSK-175  Date Collected: 02/08/2013 10:55

Sample wt/vol: 17(mL)  Date Analyzed: 02/14/2013 18:18

Soil Aliquot Vol:  Dilution Factor: 5

Soil Extract Vol.:  GC Column:  ID:

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 75339  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 2400 | | 2.5 | 0.49 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 98 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021414.D | | |
| Lims ID: | 240-20928-E-3 | Client ID: | OW-22 |
| Inject. Date: | 14-Feb-2013 18:18:31 | Dil. Factor: | 5.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017349-014 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75339 | Lims Sample ID: | 14 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m | | |
| Last Update: | 15-Feb-2013 10:11:28 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK026 | | |

| | Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|
| | 1 | Methane | | | | | |
| | 2 | 0.908 | 0.909 | -0.001 | 53826059 | 478.8 | |
| | 4 | Ethylene | | | | | |
| | 2 | | 1.409 | | | | |
| | 6 | Ethane | | | | | |
| | 2 | | 1.683 | | | | |
| $ | 7 | 1,1,1-Trifluoroethane | | | | | |
| | 2 | 2.701 | 2.703 | -0.002 | 98117549 | 2588.7 | |

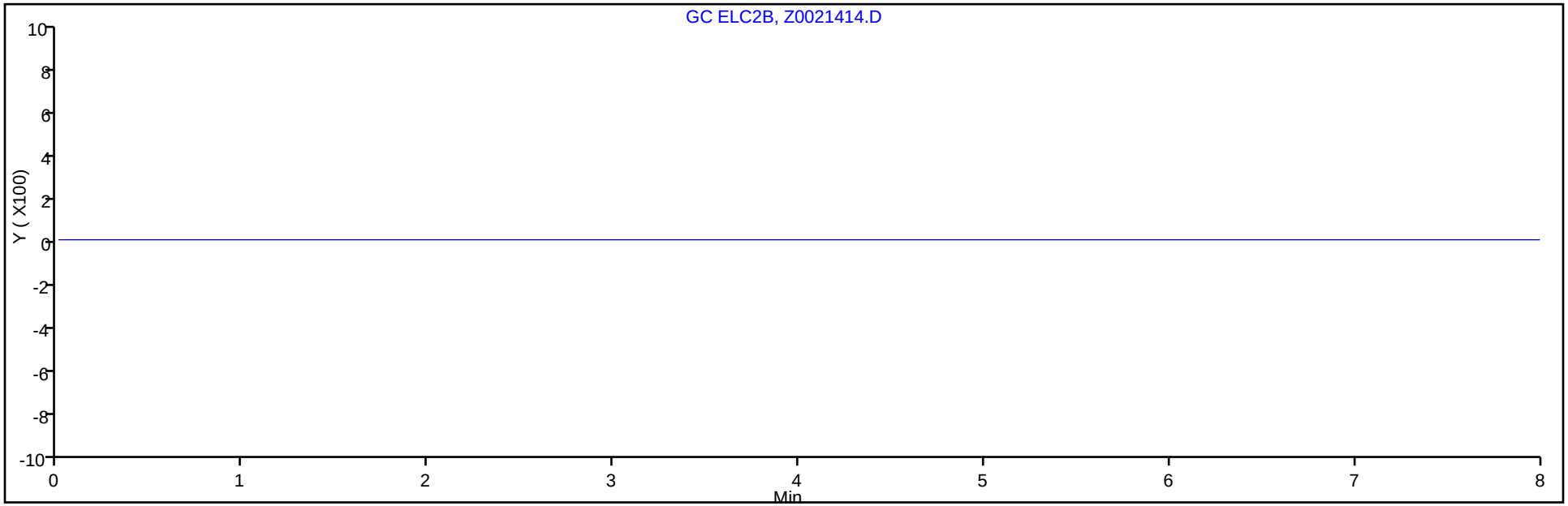
Report Date: 15-Feb-2013 10:11:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

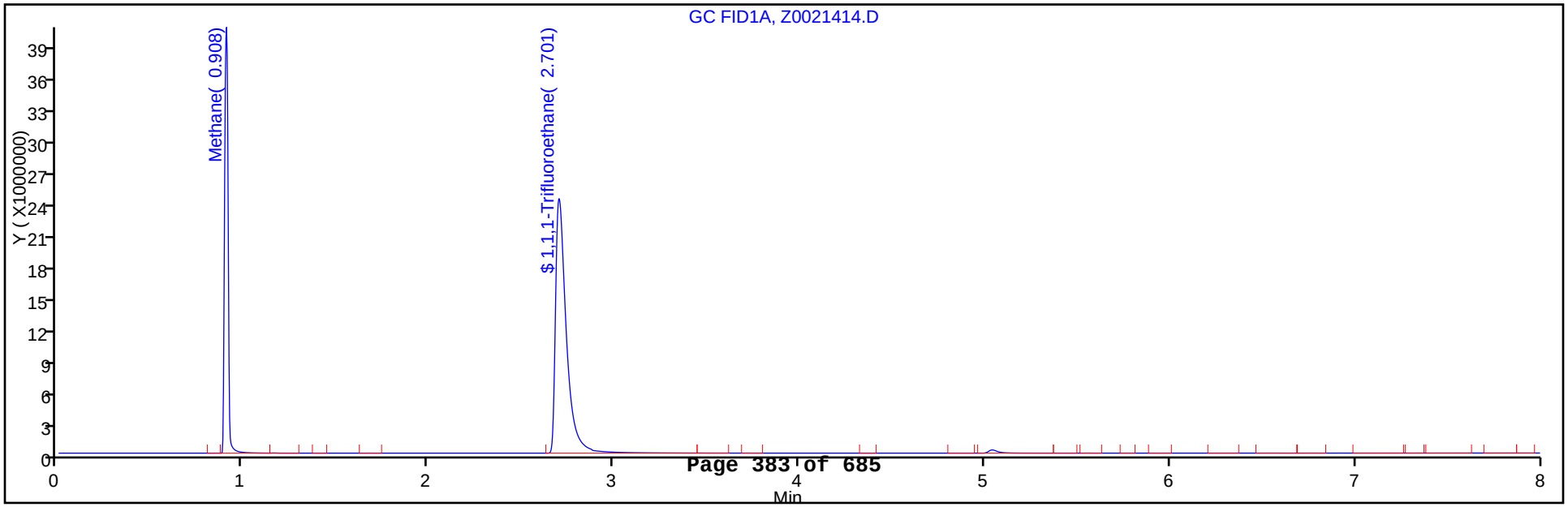
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021414.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 18:18:31 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-22 | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 14 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-21 Lab Sample ID: 240-20928-4

Matrix: Water Lab File ID: Z0021222.D

Analysis Method: RSK-175 Date Collected: 02/08/2013 12:35

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 19:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 400 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 95 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021222.D | | |
| Lims ID: | 240-20928-J-4 | Client ID: | OW-21 |
| Inject. Date: | 12-Feb-2013 19:49:12 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-022 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 22 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.905 | 0.910 | -0.005 | 44908327 | 399.5 | |
| 4 Ethylene | | | | | | |
| 2 | | 1.406 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.702 | 2.703 | -0.001 | 94864751 | 2502.9 | |

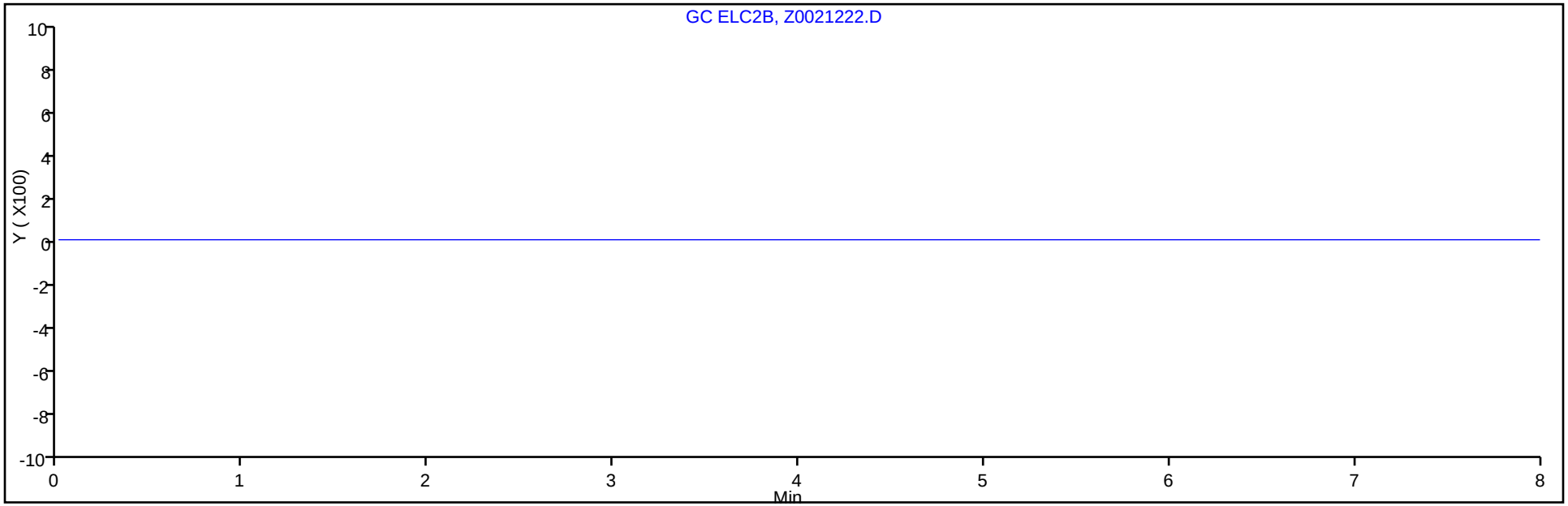
Report Date: 13-Feb-2013 09:07:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

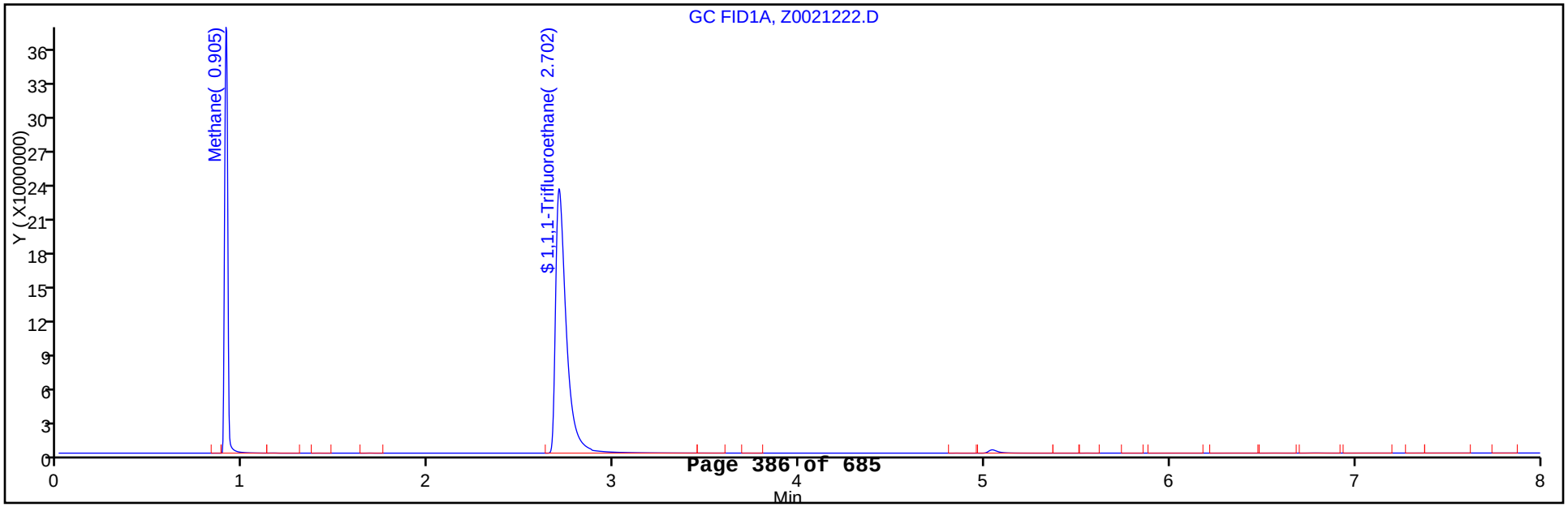
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021222.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 19:49:12 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-21 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 22 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 240-20928-5

Matrix: Water Lab File ID: Z0021223.D

Analysis Method: RSK-175 Date Collected: 02/08/2013 13:55

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 20:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 55 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 98 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021223.D | | |
| Lims ID: | 240-20928-J-5 | Client ID: | MW-4 |
| Inject. Date: | 12-Feb-2013 20:01:26 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-023 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 23 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| | Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|
| | 1 | Methane | | | | | |
| | 2 | 0.908 | 0.910 | -0.002 | 6140274 | 54.6 | |
| | 4 | Ethylene | | | | | |
| | 2 | | 1.406 | | | | |
| | 6 | Ethane | | | | | |
| | 2 | | 1.680 | | | | |
| $ | 7 | 1,1,1-Trifluoroethane | | | | | |
| | 2 | 2.702 | 2.703 | -0.001 | 97434837 | 2570.7 | |

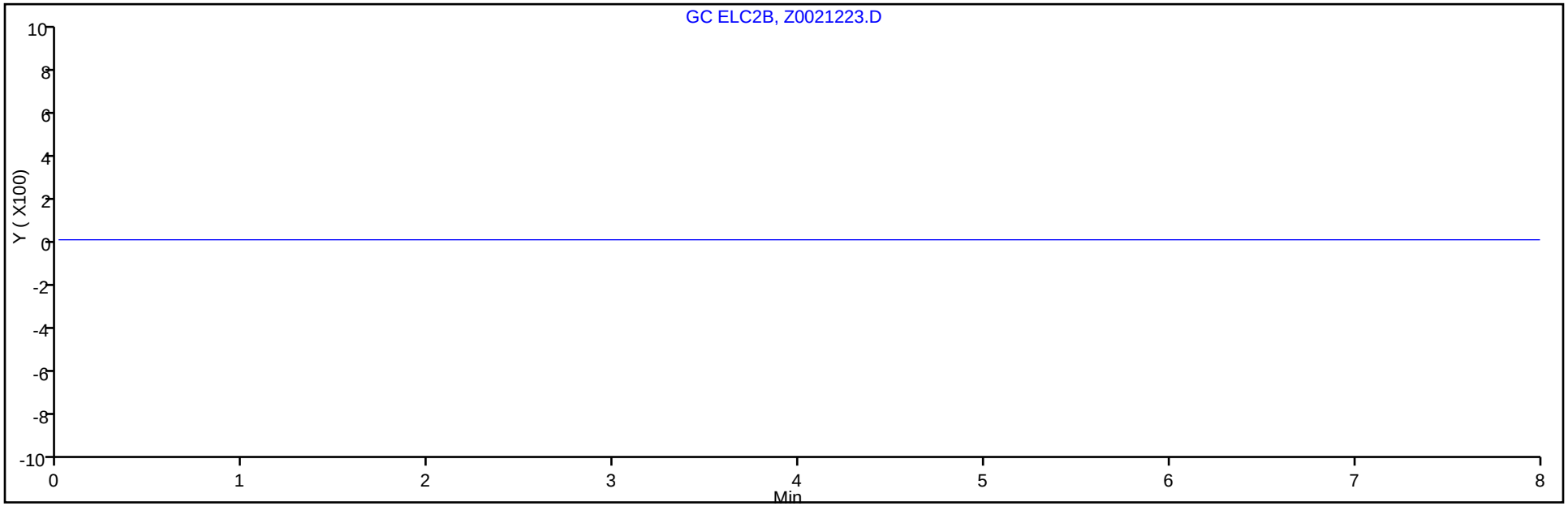
Report Date: 13-Feb-2013 09:07:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

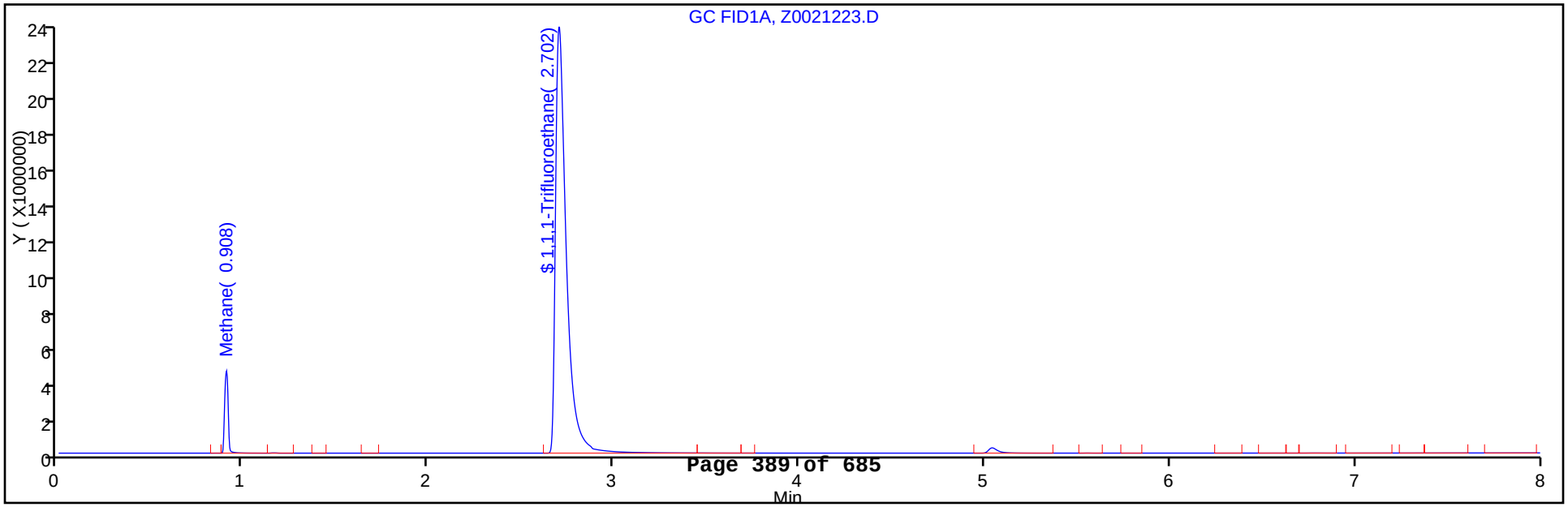
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021223.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 20:01:26 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | MW-4 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 23 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-18 Lab Sample ID: 240-20928-8

Matrix: Water Lab File ID: Z0021224.D

Analysis Method: RSK-175 Date Collected: 02/07/2013 08:55

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 20:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-85-1 | Ethylene | 0.53 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 65 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021224.D | | |
| Lims ID: | 240-20928-J-8 | Client ID: | OW-18 |
| Inject. Date: | 12-Feb-2013 20:13:39 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017292-024 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 24 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:09 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.902 | 0.910 | -0.008 | 373357664 | 3321.1 | E |
| 4 Ethylene | | | | | | |
| 2 | 1.405 | 1.406 | -0.001 | 50014 | 0.5316 | |
| 6 Ethane | | | | | | |
| 2 | 1.682 | 1.680 | 0.002 | 51635 | 0.5014 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.709 | 2.703 | 0.006 | 64392952 | 1698.9 | |

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

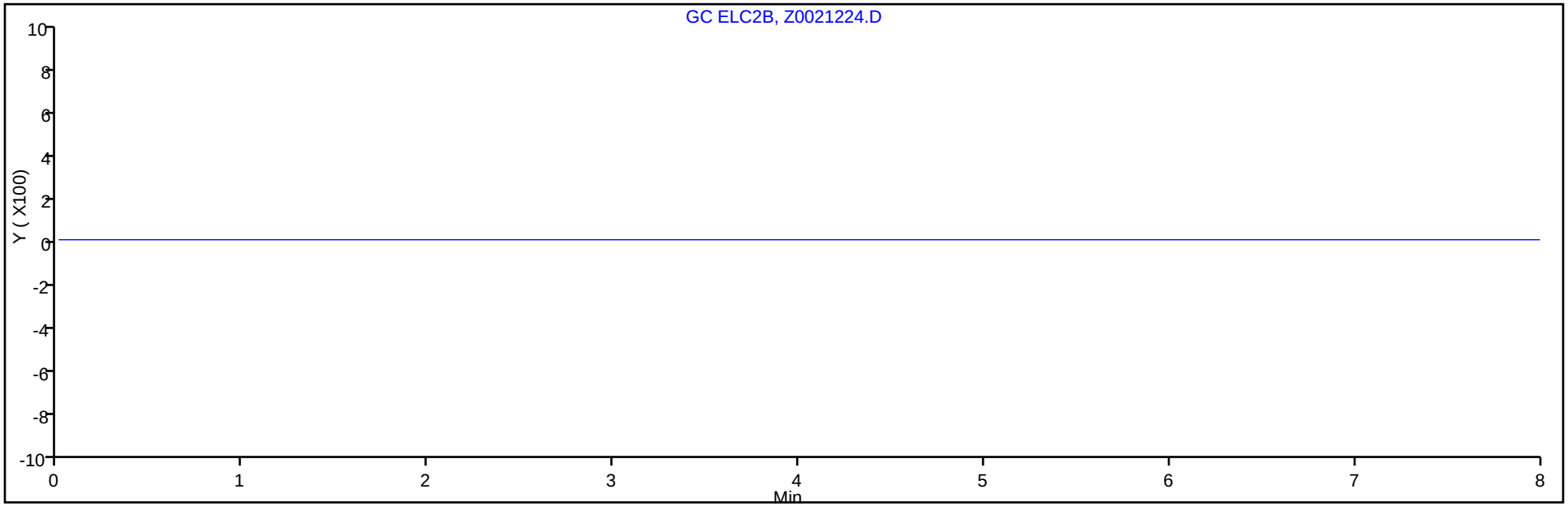
Report Date: 13-Feb-2013 09:07:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

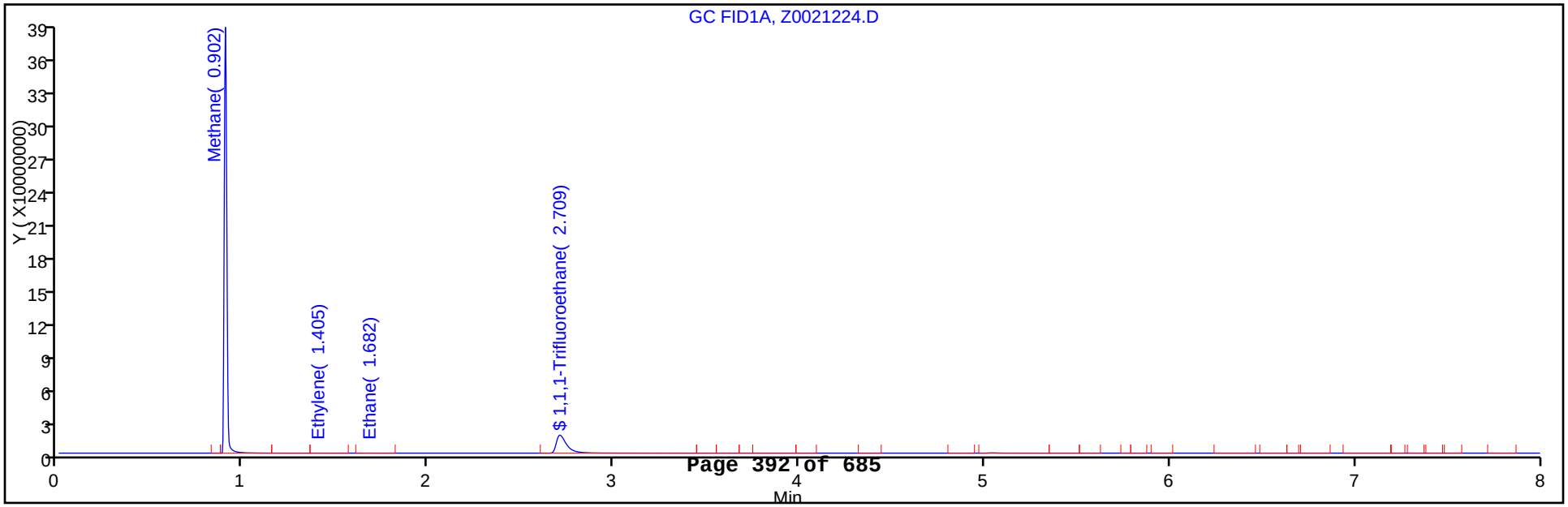
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021224.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 20:13:39 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-18 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 24 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-18  Lab Sample ID: 240-20928-8

Matrix: Water  Lab File ID: Z0021415.D

Analysis Method: RSK-175  Date Collected: 02/07/2013 08:55

Sample wt/vol: 17(mL)  Date Analyzed: 02/14/2013 18:30

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column:  ID:

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 75339  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-84-0 | Ethane | 0.51 | | 0.50 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 88 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021415.D | | |
| Lims ID: | 240-20928-D-8 | Client ID: | OW-18 |
| Inject. Date: | 14-Feb-2013 18:30:44 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017349-015 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75339 | Lims Sample ID: | 15 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m | | |
| Last Update: | 15-Feb-2013 10:11:28 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK026 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.902 | 0.909 | -0.007 | 392782523 | 3493.9 | E |
| 4 Ethylene | | | | | | |
| 2 | 1.405 | 1.409 | -0.004 | 50779 | 0.5397 | |
| 6 Ethane | | | | | | |
| 2 | 1.682 | 1.683 | -0.001 | 52646 | 0.5112 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.705 | 2.703 | 0.002 | 87750282 | 2315.2 | |

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

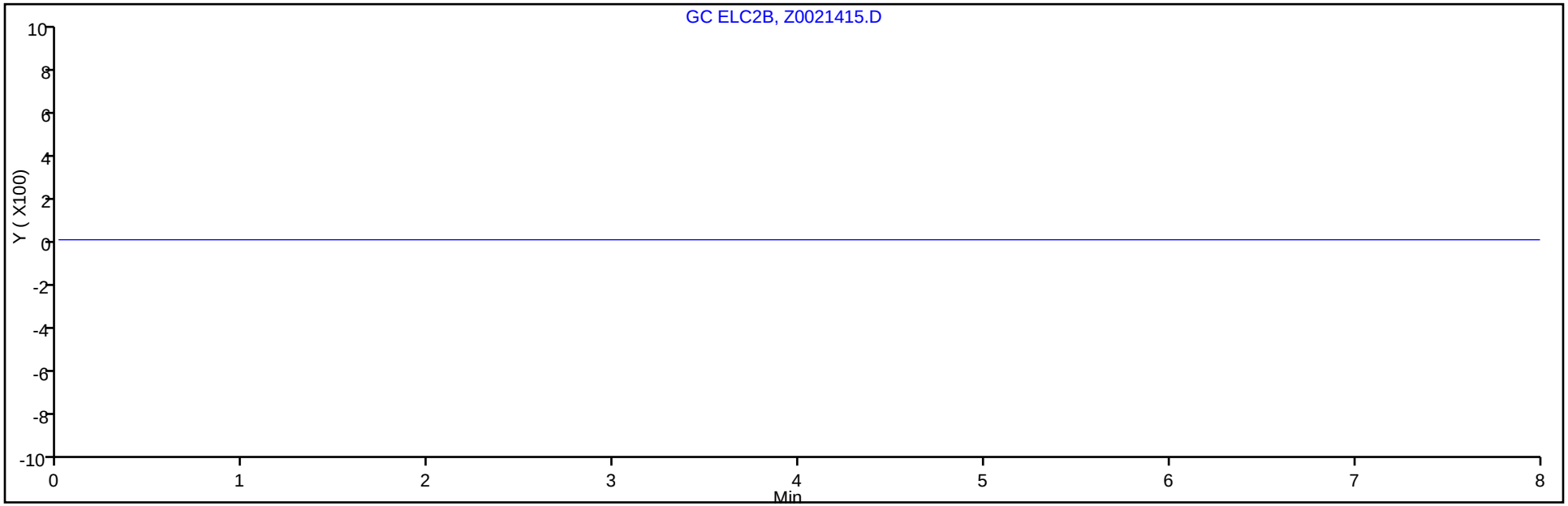
Report Date: 15-Feb-2013 10:11:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

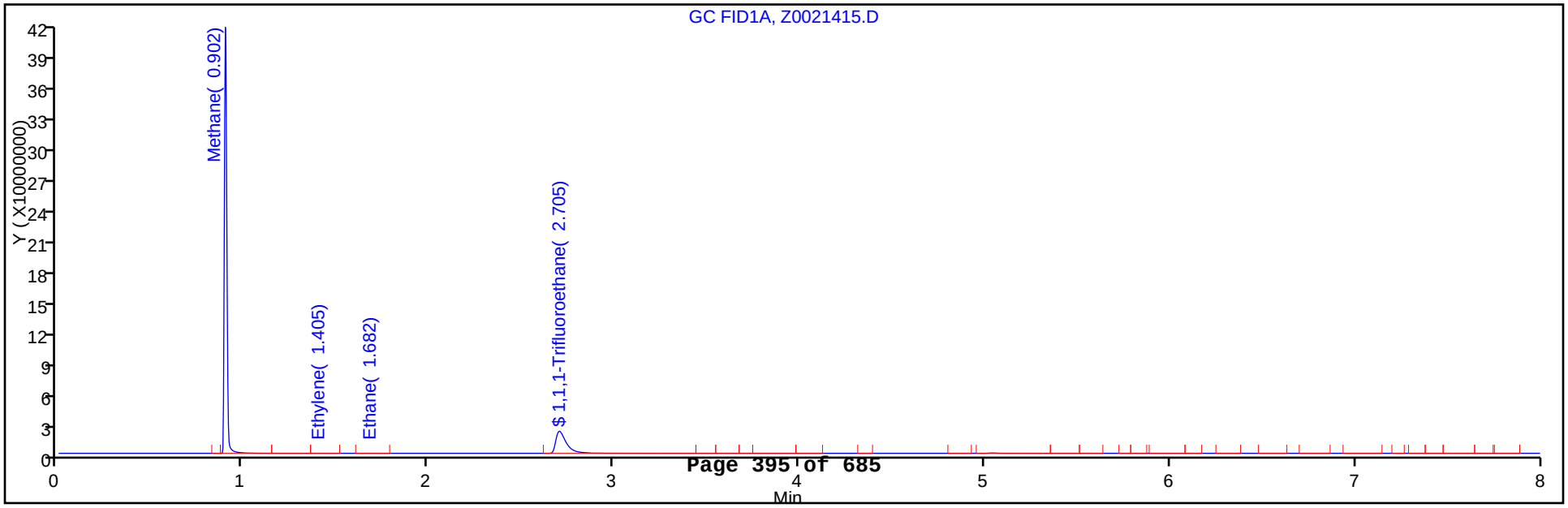
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021415.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 18:30:44 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-18 | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 15 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-18  Lab Sample ID: 240-20928-8

Matrix: Water  Lab File ID: Z0021416.D

Analysis Method: RSK-175  Date Collected: 02/07/2013 08:55

Sample wt/vol: 17(mL)  Date Analyzed: 02/14/2013 18:42

Soil Aliquot Vol:  Dilution Factor: 5

Soil Extract Vol.:  GC Column:  ID:

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 75339  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 4500 | | 2.5 | 0.49 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 95 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021416.D
Lims ID: 240-20928-D-8 Client ID: OW-18
Inject. Date: 14-Feb-2013 18:42:58 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 240-0017349-016
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 16
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.907 | 0.909 | -0.002 | 101933655 | 906.7 | |
| 4 Ethylene | | | | | | |
| 2 | | 1.409 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.683 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 95117621 | 2509.6 | |

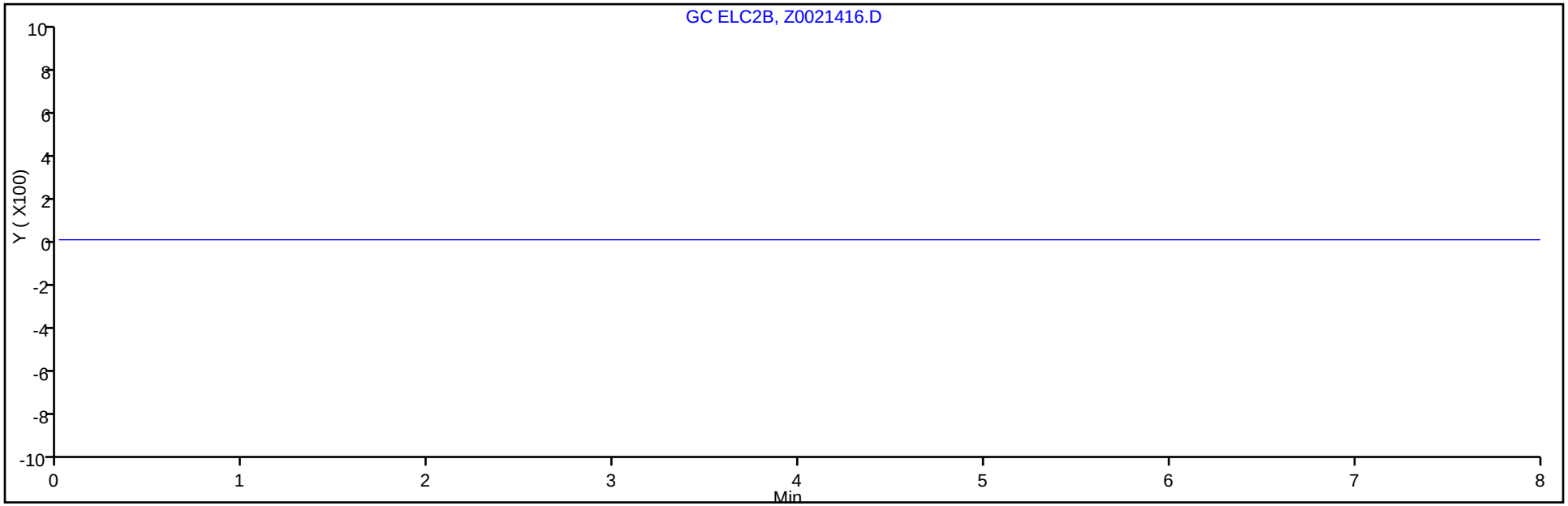
Report Date: 15-Feb-2013 10:11:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

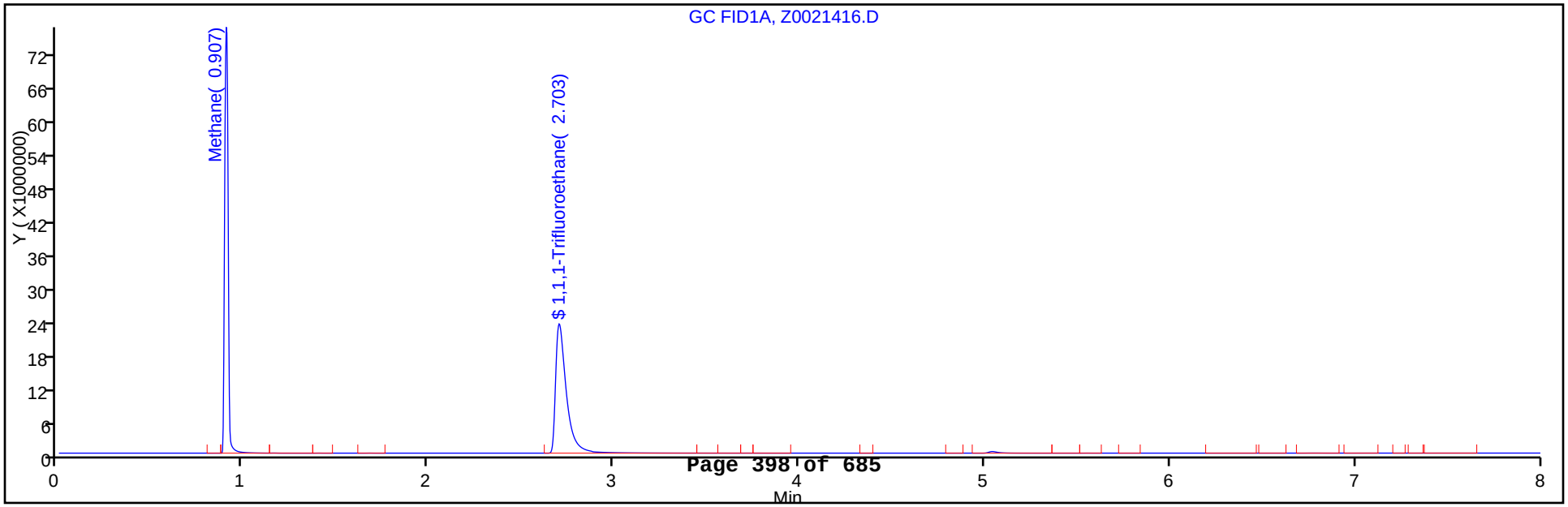
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021416.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 18:42:58 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-18 | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 16 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-24 Lab Sample ID: 240-20928-9

Matrix: Water Lab File ID: Z0021225.D

Analysis Method: RSK-175 Date Collected: 02/07/2013 10:45

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 20:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 95 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021225.D
Lims ID: 240-20928-J-9 Client ID: OW-24
Inject. Date: 12-Feb-2013 20:25:53 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0017292-025
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 25
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:09 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.907 | 0.910 | -0.003 | 17063 | 0.1518 | |
| 4 Ethylene | | | | | | 1 |
| 2 | | 1.406 | | | | |
| 6 Ethane | | | | | | 1 |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.704 | 2.703 | 0.001 | 94761265 | 2500.2 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

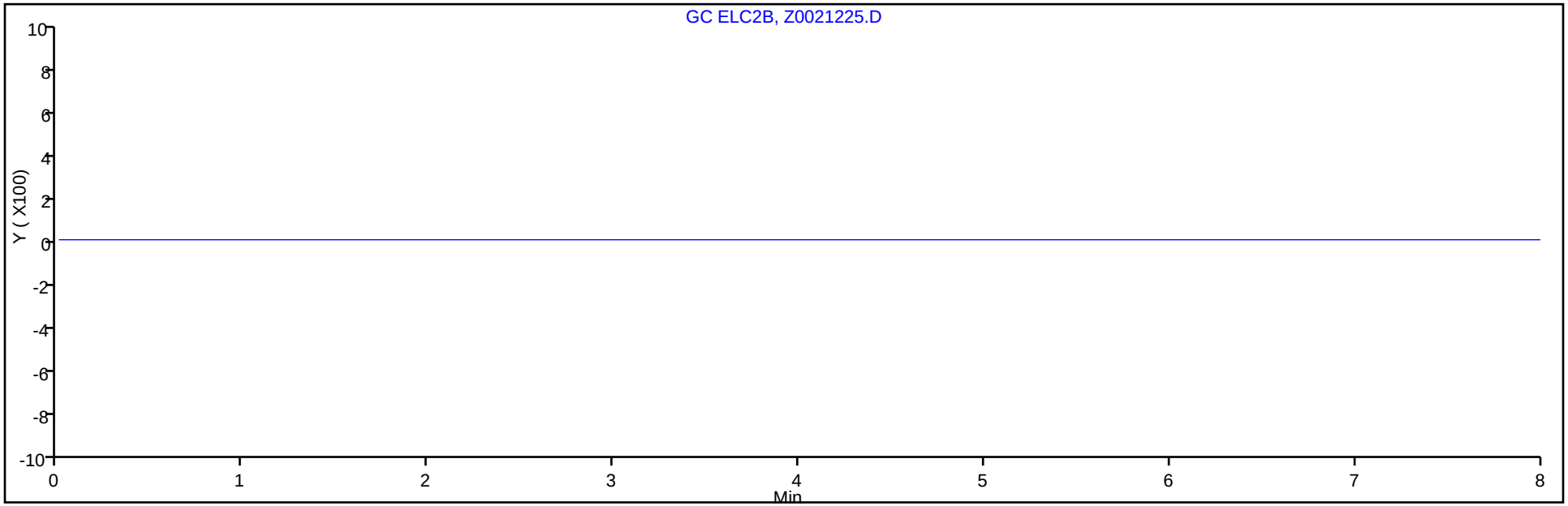
Report Date: 13-Feb-2013 09:07:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

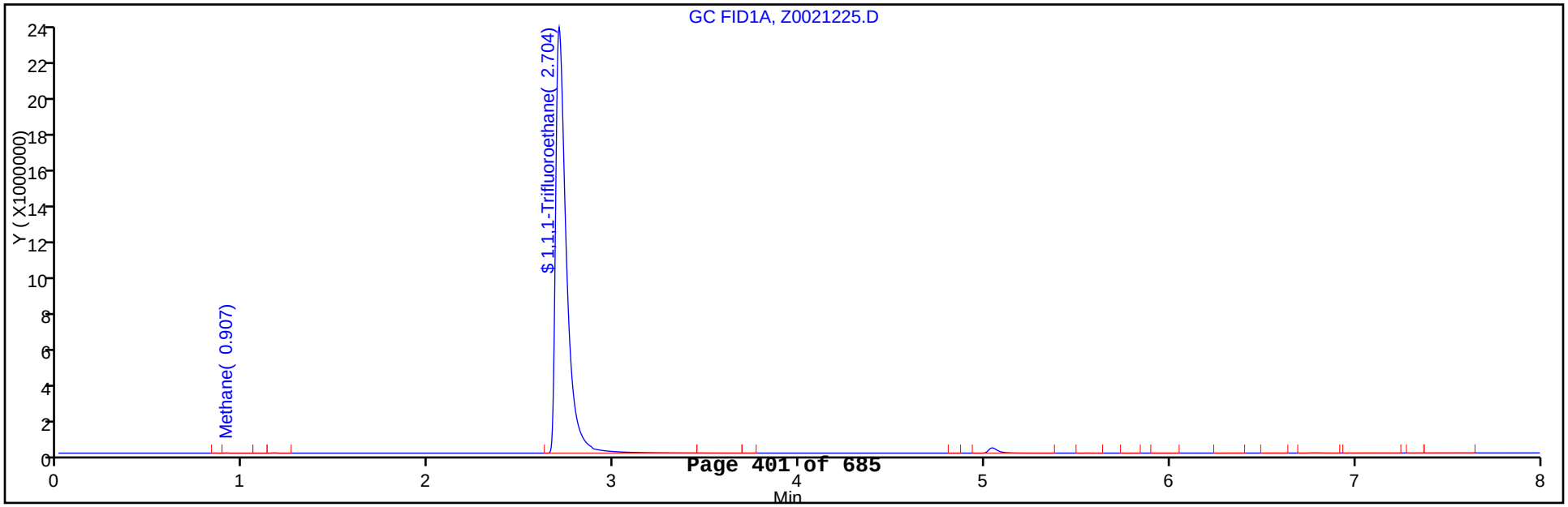
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021225.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 20:25:53 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-24 | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 25 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-19 Lab Sample ID: 240-20928-10

Matrix: Water Lab File ID: Z0021417.D

Analysis Method: RSK-175 Date Collected: 02/07/2013 12:40

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 18:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-84-0 | Ethane | 1.3 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 0.50 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 84 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021417.D | | |
| Lims ID: | 240-20928-J-10 | Client ID: | OW-19 |
| Inject. Date: | 14-Feb-2013 18:55:11 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017349-017 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75339 | Lims Sample ID: | 17 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m | | |
| Last Update: | 15-Feb-2013 10:11:28 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK026 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.903 | 0.909 | -0.006 | 205185225 | 1825.2 | E |
| 4 Ethylene | | | | | | |
| 2 | 1.403 | 1.409 | -0.006 | 46738 | 0.4967 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.683 | -0.003 | 133434 | 1.30 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.707 | 2.703 | 0.004 | 83721962 | 2208.9 | |

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

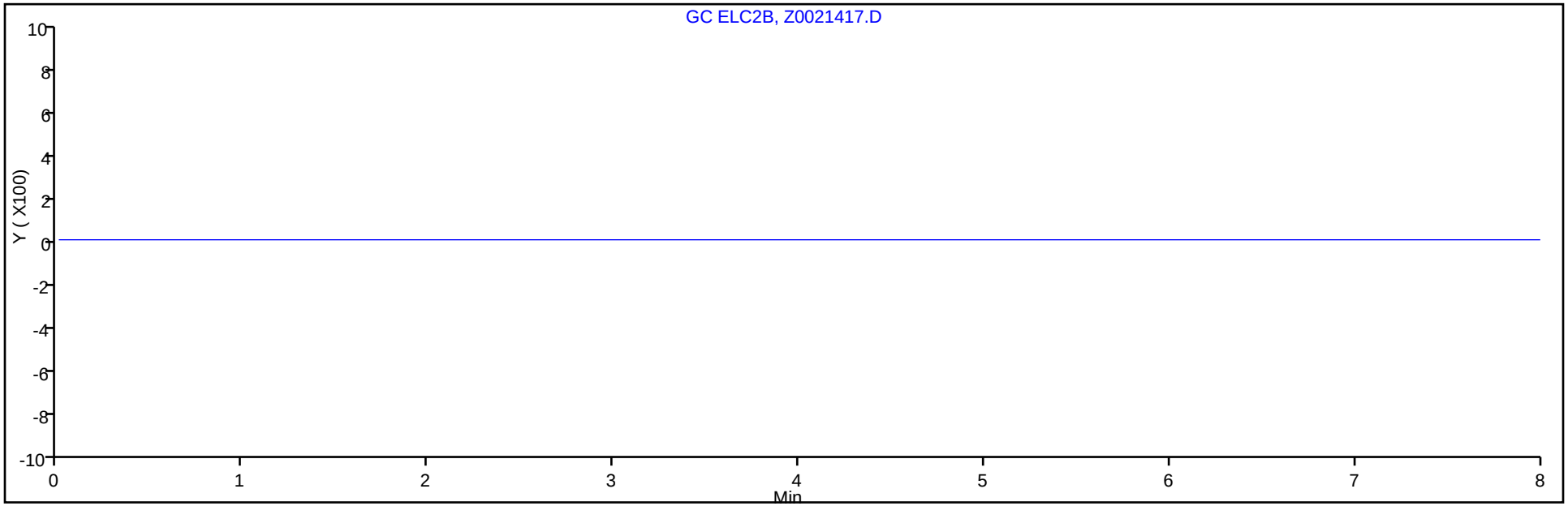
Report Date: 15-Feb-2013 10:11:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

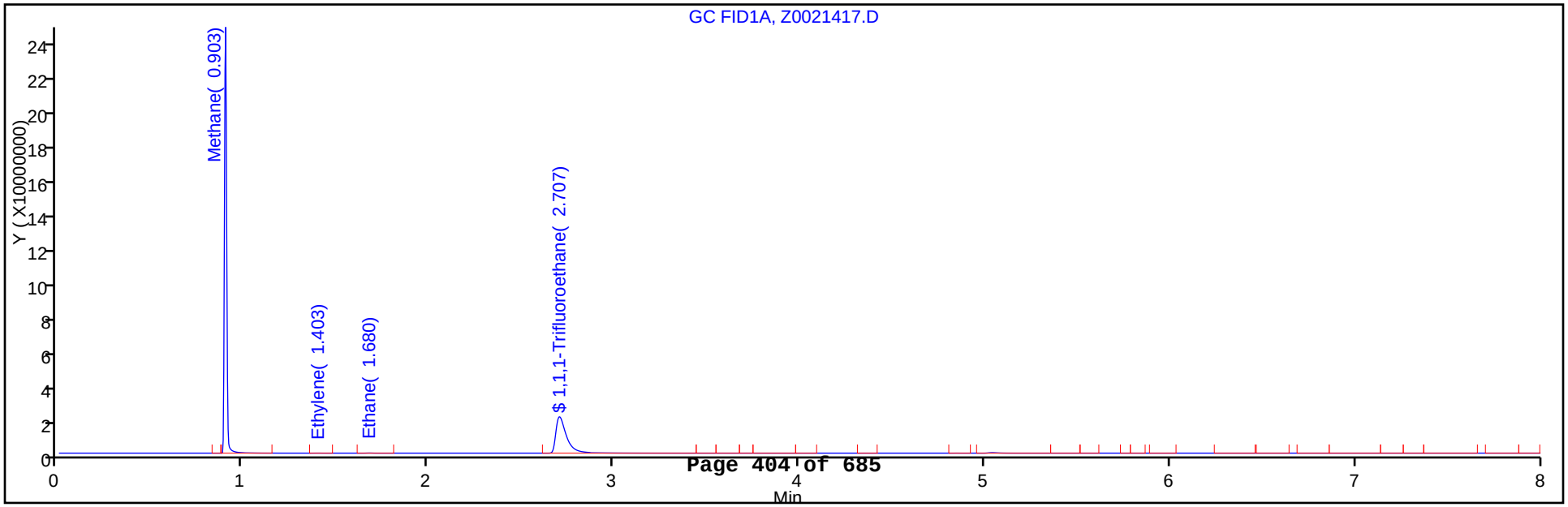
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021417.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 18:55:11 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-19 | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 17 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-19 | Lab Sample ID: 240-20928-10

Matrix: Water | Lab File ID: Z0021906.D

Analysis Method: RSK-175 | Date Collected: 02/07/2013 12:40

Sample wt/vol: 17(mL) | Date Analyzed: 02/19/2013 12:05

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: | ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75709 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 1300 | | 2.5 | 0.49 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 88 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021906.D | | |
| Lims ID: | 240-20928-E-10 | Client ID: | OW-19 |
| Inject. Date: | 19-Feb-2013 12:05:09 | Dil. Factor: | 5.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017427-006 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75709 | Lims Sample ID: | 6 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130219-17427.b\RSK175.m | | |
| Last Update: | 20-Feb-2013 11:22:34 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK009 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.908 | 0.909 | -0.001 | 28594368 | 254.4 | |
| 2 Ethylene | | | | | | |
| 2 | | 1.409 | | | | |
| 4 Ethane | | | | | | |
| 2 | | 1.683 | | | | |
| $ 5 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.705 | 2.703 | 0.002 | 88237423 | 2328.0 | |

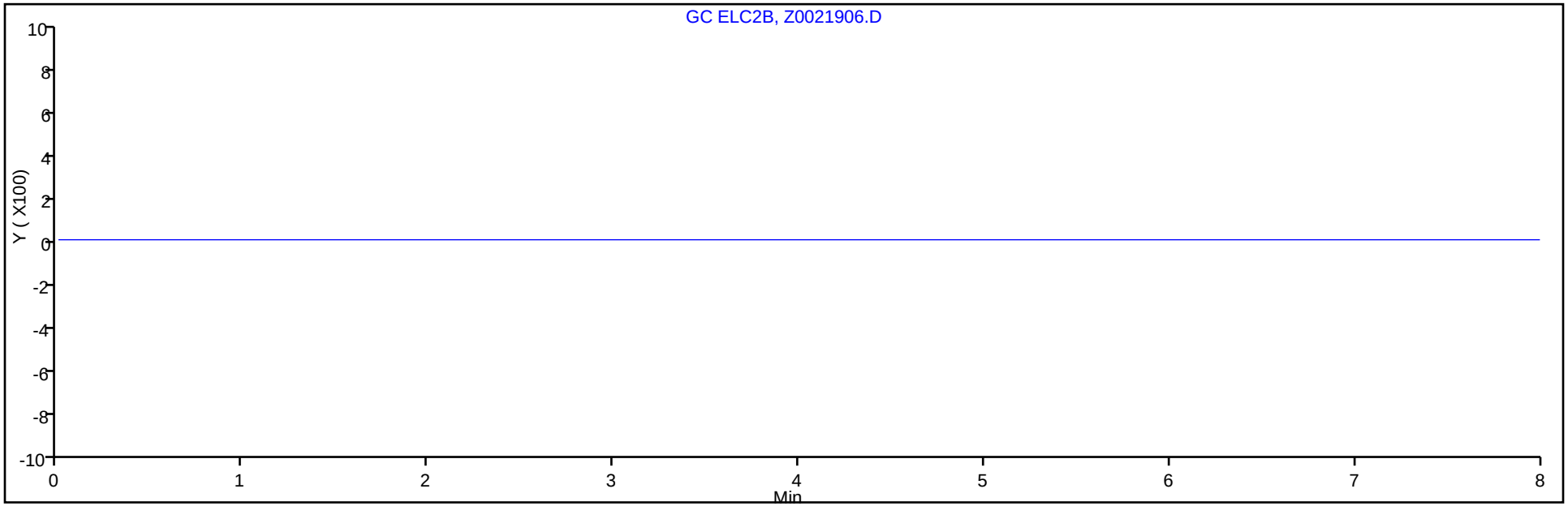
Report Date: 20-Feb-2013 11:22:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

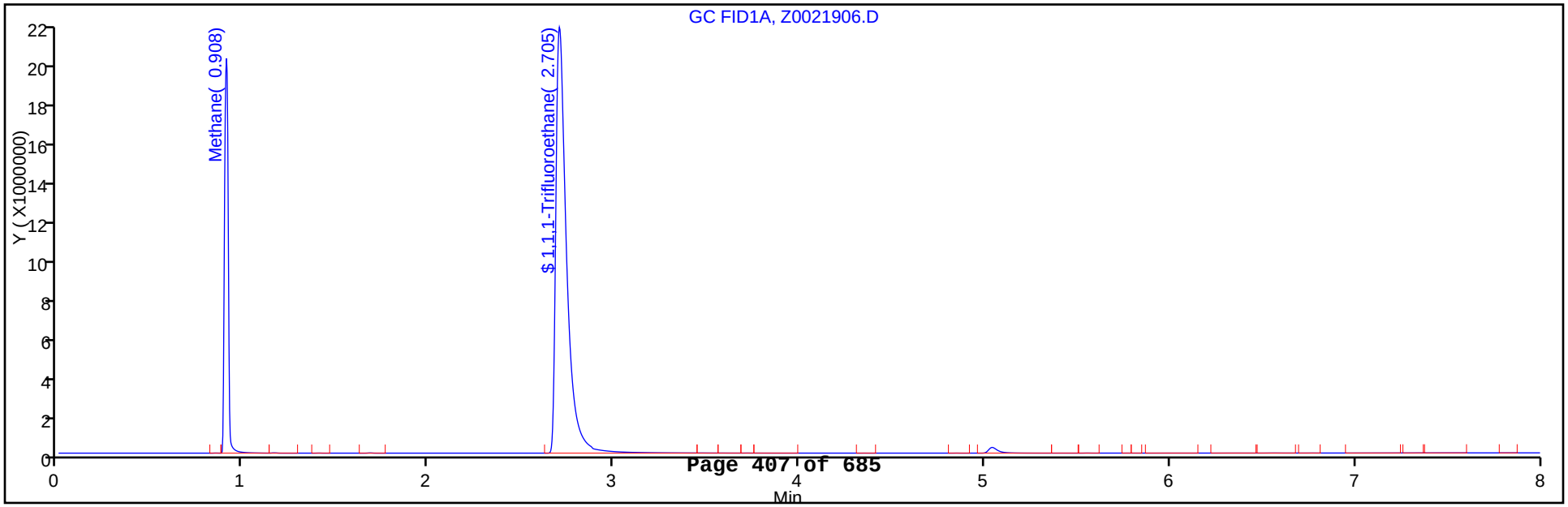
Data File: \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021906.D

| | | | |
|---|---|---|---|
| Injection Date: | 19-Feb-2013 12:05:09 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-19 | Instrument ID: | ZPID |
| Lims Batch ID: | 75709 | Lims Sample ID: | 6 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-25 Lab Sample ID: 240-20928-12

Matrix: Water Lab File ID: Z0021418.D

Analysis Method: RSK-175 Date Collected: 02/07/2013 14:50

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 19:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 91 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021418.D | | |
| Lims ID: | 240-20928-J-12 | Client ID: | OW-25 |
| Inject. Date: | 14-Feb-2013 19:07:25 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017349-018 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75339 | Lims Sample ID: | 18 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m | | |
| Last Update: | 15-Feb-2013 10:11:28 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK026 | | |

| | Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|
| | 1 | Methane | | | | | |
| 2 | | 0.908 | 0.909 | -0.001 | 15059 | 0.1340 | |
| | 4 | Ethylene | | | | | 1 |
| 2 | | | 1.409 | | | | |
| | 6 | Ethane | | | | | |
| 2 | | | 1.683 | | | | |
| $ | 7 | 1,1,1-Trifluoroethane | | | | | |
| 2 | | 2.705 | 2.703 | 0.002 | 90551466 | 2389.1 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

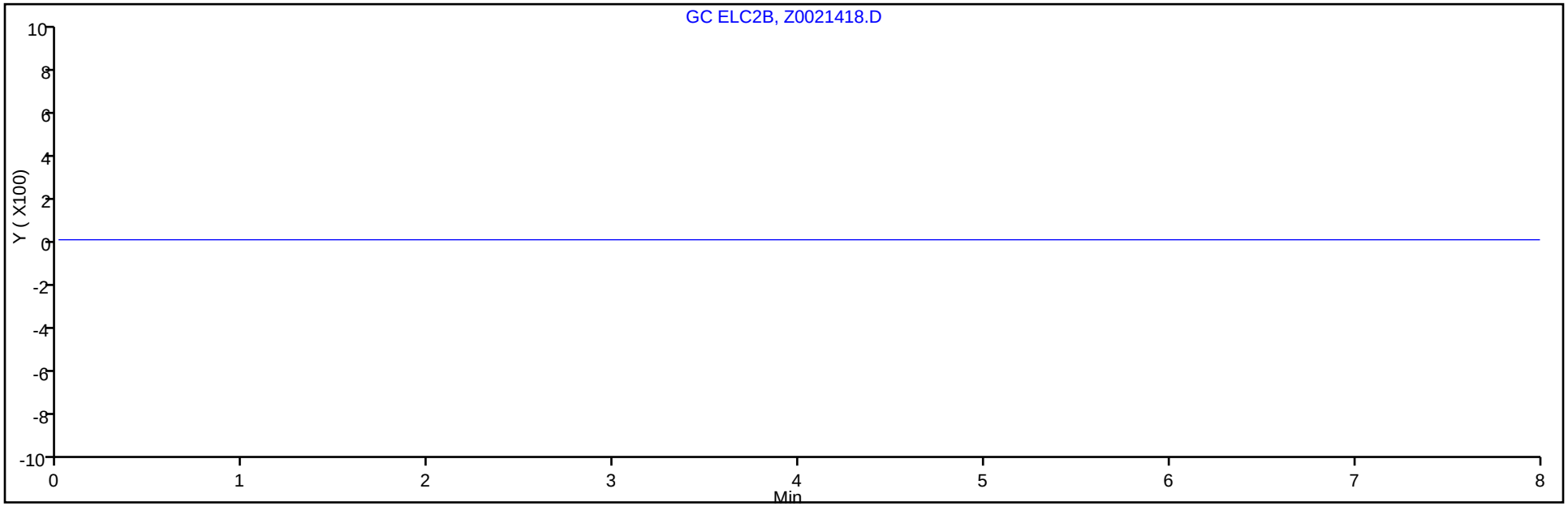
Report Date: 15-Feb-2013 10:11:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

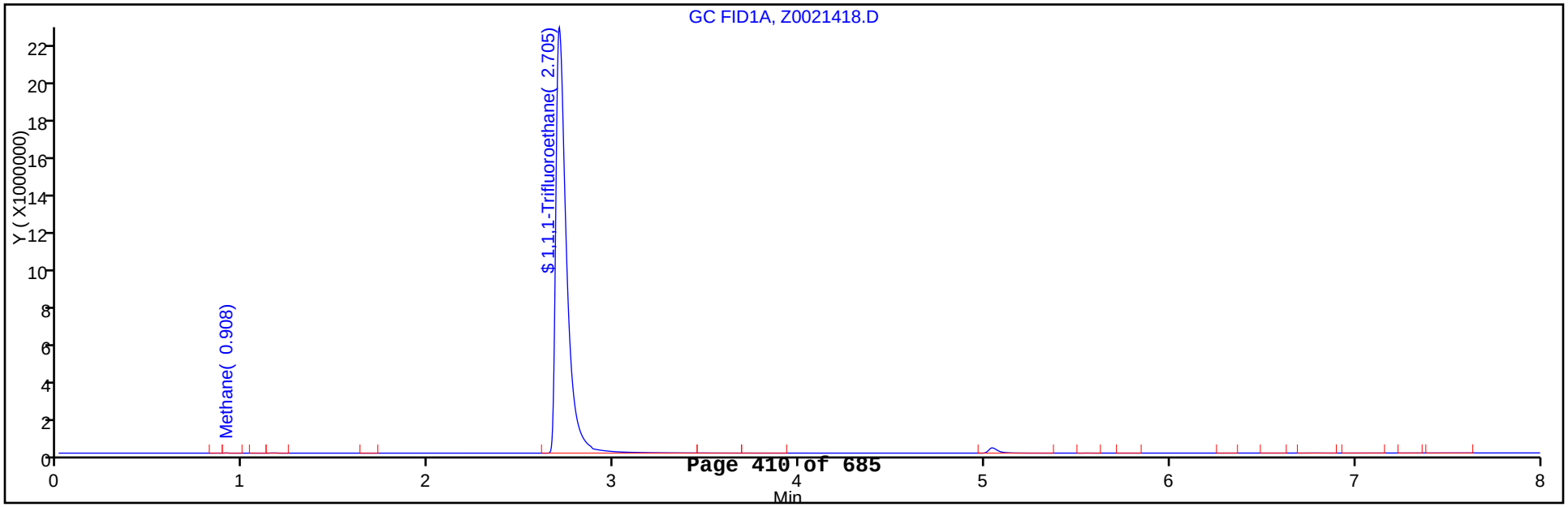
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021418.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 19:07:25 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-25 | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 18 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-13R Lab Sample ID: 240-20928-13

Matrix: Water Lab File ID: Z0021419.D

Analysis Method: RSK-175 Date Collected: 02/08/2013 08:40

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 19:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 190 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 64 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021419.D | | |
| Lims ID: | 240-20928-J-13 | Client ID: | OW-13R |
| Inject. Date: | 14-Feb-2013 19:19:38 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017349-019 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75339 | Lims Sample ID: | 19 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m | | |
| Last Update: | 15-Feb-2013 10:11:28 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK026 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.907 | 0.909 | -0.002 | 21062270 | 187.4 | |
| 4 Ethylene | | | | | | |
| 2 | | 1.409 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.683 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.710 | 2.703 | 0.007 | 63993770 | 1688.4 | |

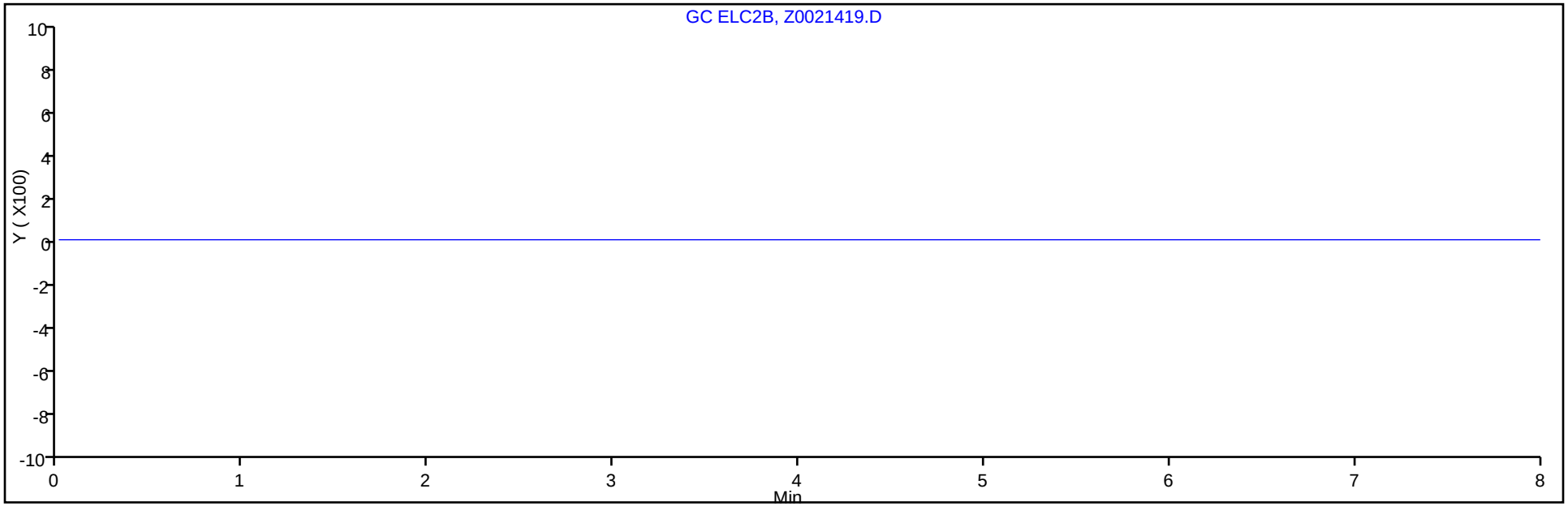
Report Date: 15-Feb-2013 10:11:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

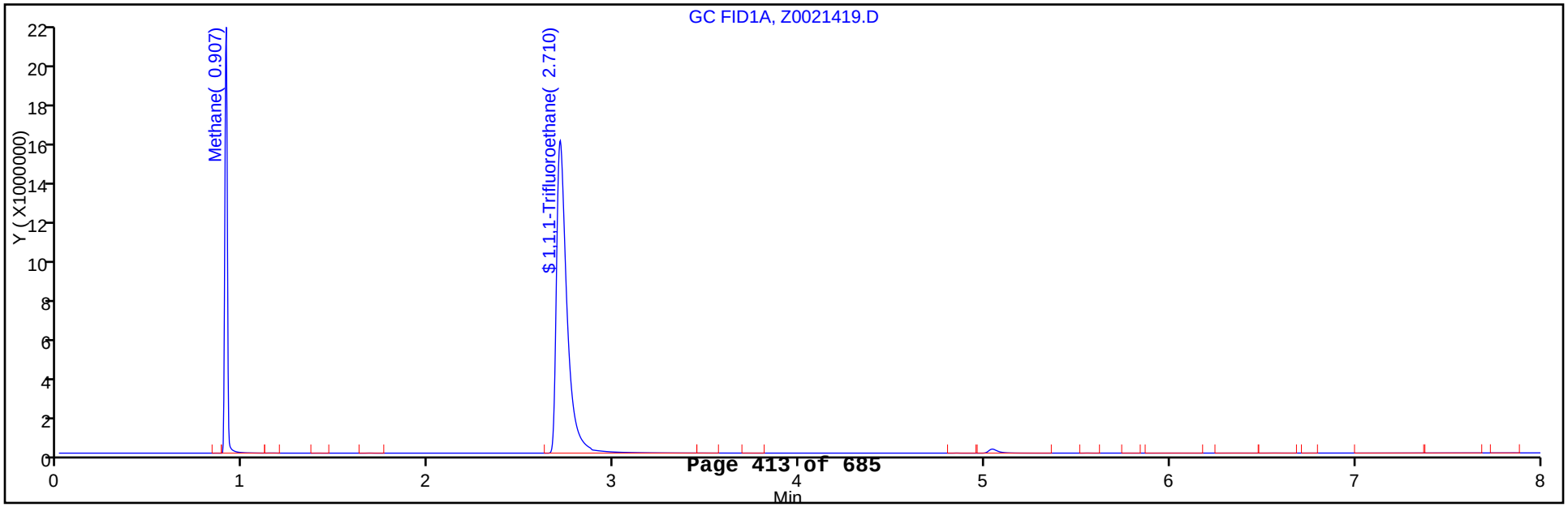
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021419.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 19:19:38 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | OW-13R | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 19 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: GW-DUP Lab Sample ID: 240-20928-14

Matrix: Water Lab File ID: Z0021420.D

Analysis Method: RSK-175 Date Collected: 02/08/2013 09:00

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 19:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 210 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 86 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021420.D | | |
| Lims ID: | 240-20928-J-14 | Client ID: | GW-DUP |
| Inject. Date: | 14-Feb-2013 19:31:52 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017349-020 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75339 | Lims Sample ID: | 20 |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m | | |
| Last Update: | 15-Feb-2013 10:11:28 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK026 | | |

| | Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|
| | 1 | Methane | | | | | |
| | 2 | 0.907 | 0.909 | -0.002 | 23286341 | 207.1 | |
| | 4 | Ethylene | | | | | |
| | 2 | | 1.409 | | | | |
| | 6 | Ethane | | | | | |
| | 2 | | 1.683 | | | | |
| $ | 7 | 1,1,1-Trifluoroethane | | | | | |
| | 2 | 2.707 | 2.703 | 0.004 | 85644738 | 2259.6 | |

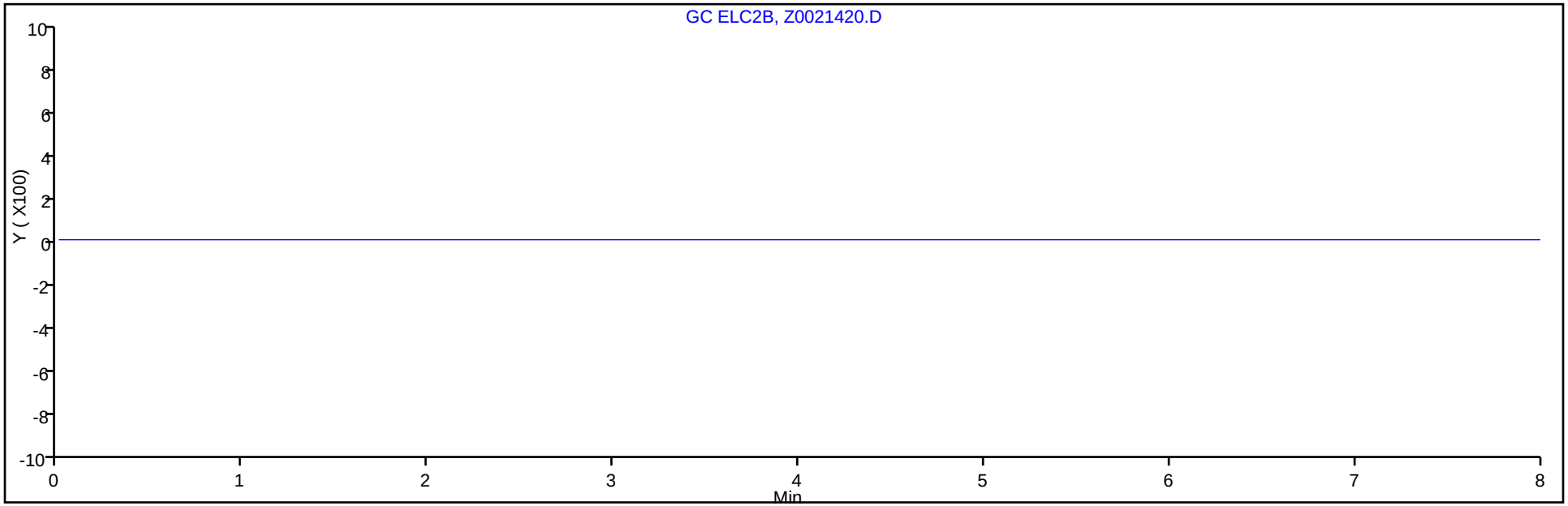
Report Date: 15-Feb-2013 10:11:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

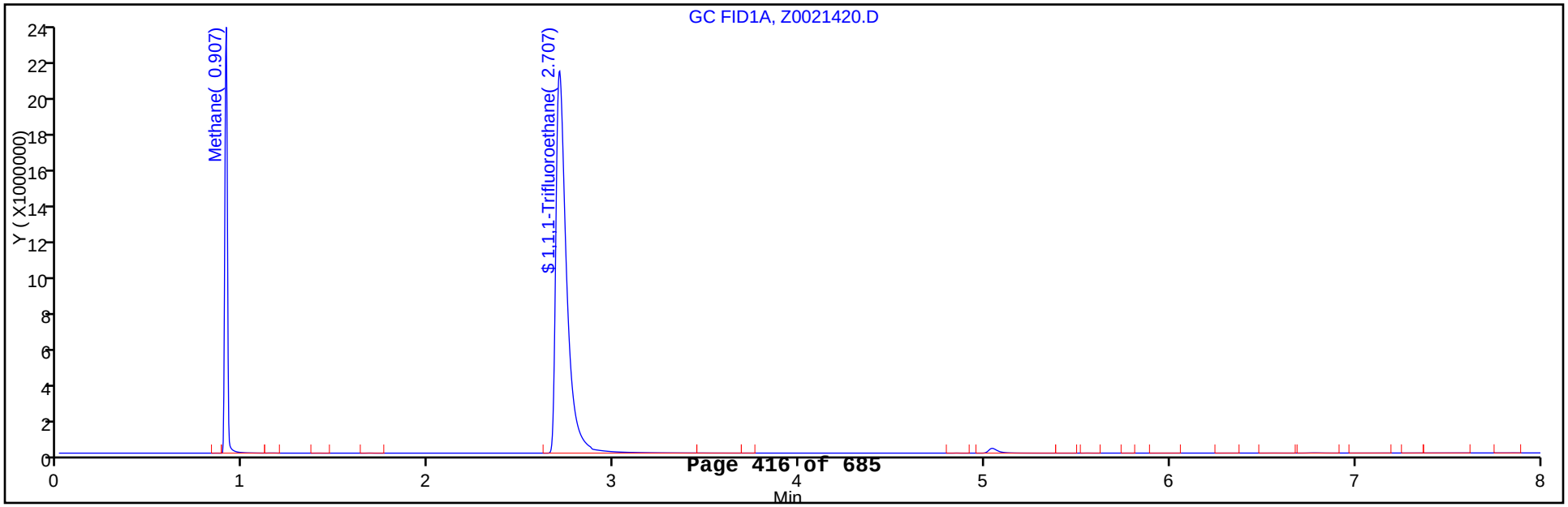
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021420.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 19:31:52 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | GW-DUP | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 20 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 72560

SDG No.:

Instrument ID: ZPID GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2013 15:20 Calibration End Date: 01/18/2013 16:58 Calibration ID: 13357

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD1 240-72560/2 | Z0011802.D |
| Level 2 | STD2 240-72560/3 | Z0011803.D |
| Level 3 | STD3 240-72560/4 | Z0011804.D |
| Level 4 | STD4 240-72560/5 | Z0011805.D |
| Level 5 | STD5 240-72560/6 | Z0011806.D |
| Level 6 | STD6 240-72560/7 | Z0011807.D |
| Level 7 | STD8 240-72560/9 | Z0011809.D |
| Level 8 | STD7 240-72560/8 | Z0011808.D |
| Level 9 | STD9 240-72560/10 | Z0011810.D |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | RT WINDOW | AVG RT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methane | 0.912 | 0.912 | 0.910 | 0.909 | 0.909 | 0.909 | 0.909 | 0.910 | 0.909 | | 0.859 - 0.959 | 0.910 |
| Ethylene | 1.412 | 1.412 | 1.410 | 1.409 | 1.409 | 1.405 | 1.399 | 1.404 | 1.392 | | 1.355 - 1.455 | 1.406 |
| Acetylene | 1.502 | 1.498 | 1.500 | 1.499 | 1.499 | 1.495 | 1.492 | 1.494 | 1.489 | | 1.445 - 1.545 | 1.496 |
| Ethane | 1.688 | 1.685 | 1.687 | 1.685 | 1.682 | 1.682 | 1.669 | 1.677 | 1.655 | | 1.482 - 1.882 | 1.679 |
| Propene | 3.592 | 3.592 | 3.590 | 3.589 | 3.585 | 3.582 | 3.542 | 3.564 | 3.512 | | 3.532 - 3.632 | 3.572 |
| Propane | 3.785 | 3.785 | 3.784 | 3.782 | 3.779 | 3.772 | 3.735 | 3.757 | 3.705 | | 3.722 - 3.822 | 3.765 |
| Propane, 2-methyl | 5.425 | 5.422 | 5.420 | 5.419 | 5.415 | 5.409 | 5.359 | 5.387 | 5.319 | | 5.309 - 5.509 | 5.397 |
| 1,1,1-Trifluoroethane | 2.728 | 2.725 | 2.720 | 2.705 | 2.685 | 2.672 | | 2.657 | | | 2.572 - 2.772 | 2.699 |

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 72560

SDG No.:

Instrument ID: ZPID GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2013 15:20 Calibration End Date: 01/18/2013 16:58 Calibration ID: 13357

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD1 240-72560/2 | Z0011802.D |
| Level 2 | STD2 240-72560/3 | Z0011803.D |
| Level 3 | STD3 240-72560/4 | Z0011804.D |
| Level 4 | STD4 240-72560/5 | Z0011805.D |
| Level 5 | STD5 240-72560/6 | Z0011806.D |
| Level 6 | STD6 240-72560/7 | Z0011807.D |
| Level 7 | STD8 240-72560/9 | Z0011809.D |
| Level 8 | STD7 240-72560/8 | Z0011808.D |
| Level 9 | STD9 240-72560/10 | Z0011810.D |

| ANALYTE | CF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN CF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 5 LVL 9 | LVL 2 LVL 6 | LVL 3 LVL 7 | LVL 4 LVL 8 | | B | M1 | M2 | | | | | | | | |
| Methane | 153247 102893 103380 | 128183 103123 | 105364 105474 | 104494 105611 | Ave | | 112418.756 | | | | 15.0 | | 30.0 | | | |
| Ethylene | 96806 93671 91386 | 105381 93127 | 88894 94811 | 88696 94044 | Ave | | 94090.5098 | | | | 5.3 | | 30.0 | | | |
| Acetylene | 24689 26208 30711 | 26581 27597 | 22760 32188 | 22861 29509 | Ave | | 27011.6103 | | | | 12.0 | | 30.0 | | | |
| Ethane | 101411 102963 103364 | 112107 103379 | 95960 105521 | 96602 105534 | Ave | | 102982.426 | | | | 4.7 | | 30.0 | | | |
| Propene | 78986 89968 88100 | 88423 89534 | 74666 91410 | 74390 90185 | Ave | | 85073.4816 | | | | 8.2 | | 30.0 | | | |
| Propane | 92321 105760 106943 | 105081 106628 | 90712 108964 | 91379 108961 | Ave | | 101860.977 | | | | 7.8 | | 30.0 | | | |
| Propane, 2-methyl | 83666 107682 109409 | 95313 108896 | 86769 111112 | 87421 111310 | Ave | | 100175.232 | | | | 12.0 | | 30.0 | | | |
| 1,1,1-Trifluoroethane | 31205 41006 | 35368 40303 | 36127 | 40135 41168 | Ave | | 37901.8635 | | | | 10.0 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-20928-1 Analy Batch No.: 72560

SDG No.:

Instrument ID: ZPID GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2013 15:20 Calibration End Date: 01/18/2013 16:58 Calibration ID: 13357

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | STD1 240-72560/2 | Z0011802.D |
| Level 2 | STD2 240-72560/3 | Z0011803.D |
| Level 3 | STD3 240-72560/4 | Z0011804.D |
| Level 4 | STD4 240-72560/5 | Z0011805.D |
| Level 5 | STD5 240-72560/6 | Z0011806.D |
| Level 6 | STD6 240-72560/7 | Z0011807.D |
| Level 7 | STD8 240-72560/9 | Z0011809.D |
| Level 8 | STD7 240-72560/8 | Z0011808.D |
| Level 9 | STD9 240-72560/10 | Z0011810.D |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4<br>LVL 9 | LVL 5 | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4<br>LVL 9 | LVL 5 |
| Methane | Ave | 38438<br>11934310 | 123659<br>81376315 | 406582<br>36666789 | 1209668<br>159521463 | 3969261 | 0.251<br>116 | 0.965<br>772 | 3.86<br>347 | 11.6<br>1543 | 38.6 |
| Ethylene | Ave | 42640<br>18928943 | 178527<br>128474180 | 602389<br>57345534 | 1803144<br>247666290 | 6346457 | 0.440<br>203 | 1.69<br>1355 | 6.78<br>610 | 20.3<br>2710 | 67.8 |
| Acetylene | Ave | 10063<br>5189958 | 41670<br>40355973 | 142717<br>16648752 | 430060<br>77009812 | 1642953 | 0.408<br>188 | 1.57<br>1254 | 6.27<br>564 | 18.8<br>2508 | 62.7 |
| Ethane | Ave | 47848<br>22508675 | 203442<br>153167226 | 696560<br>68933291 | 2103657<br>300072325 | 7472670 | 0.472<br>218 | 1.81<br>1452 | 7.26<br>653 | 21.8<br>2903 | 72.6 |
| Propene | Ave | 52126<br>27266136 | 224438<br>185584124 | 758081<br>82393900 | 2265818<br>357727706 | 9132788 | 0.660<br>305 | 2.54<br>2030 | 10.2<br>914 | 30.5<br>4060 | 102 |
| Propane | Ave | 63821<br>34014805 | 279391<br>231733482 | 964752<br>104277738 | 2915538<br>454872922 | 11246033 | 0.691<br>319 | 2.66<br>2127 | 10.6<br>957 | 31.9<br>4253 | 106 |
| Propane, 2-methyl | Ave | 76200<br>45765053 | 333875<br>311308529 | 1215789<br>140338679 | 3674766<br>613077945 | 15084964 | 0.911<br>420 | 3.50<br>2802 | 14.0<br>1261 | 42.0<br>5604 | 140 |
| 1,1,1-Trifluoroethane | Ave | 2054100<br>367330855 | 8954283 | 36585949<br>500284541 | 121933404 | 249161727 | 65.8<br>9114 | 253 | 1013<br>12152 | 3038 | 6076 |

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011802.D | | |
| Lims ID: | STD1 | Client ID: | |
| Inject. Date: | 18-Jan-2013 15:20:25 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 1 |
| Sample ID: | 240-0016705-002 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 2 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:44 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |
| First Level Reviewer: shockr | | Date: | 18-Jan-2013 15:40:18 |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.912 | 0.909 | 0.003 | 38438 | 0.3480 | |
| 4 Ethylene | | | | | | |
| 2 | 1.412 | 1.405 | 0.007 | 42640 | 0.4601 | |
| 5 Acetylene | | | | | | |
| 2 | 1.502 | 1.495 | 0.007 | 10063 | 0.3718 | |
| 6 Ethane | | | | | | |
| 2 | 1.688 | 1.682 | 0.006 | 47848 | 0.4698 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.728 | 2.672 | 0.056 | 2054100 | 53.6 | |
| 8 Propene | | | | | | |
| 2 | 3.592 | 3.582 | 0.010 | 52126 | 0.6157 | |
| 9 Propane | | | | | | |
| 2 | 3.785 | 3.772 | 0.013 | 63821 | 0.6290 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.425 | 5.409 | 0.016 | 76200 | 0.7561 | |
| 11 Butane | | | | | | |
| 2 | 5.778 | 5.759 | 0.019 | 61439 | 2.23 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | M |
| 2 | 7.348 | 7.343 | 0.005 | 38545 | 1.07 | M |

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

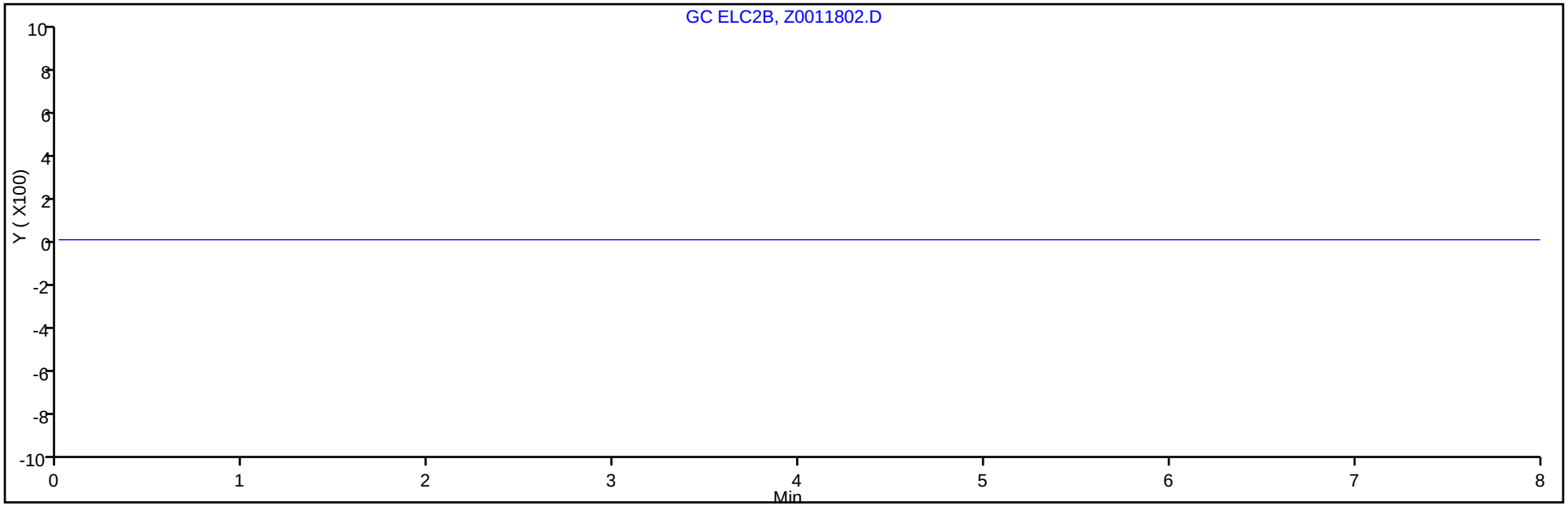
Report Date: 21-Jan-2013 07:51:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

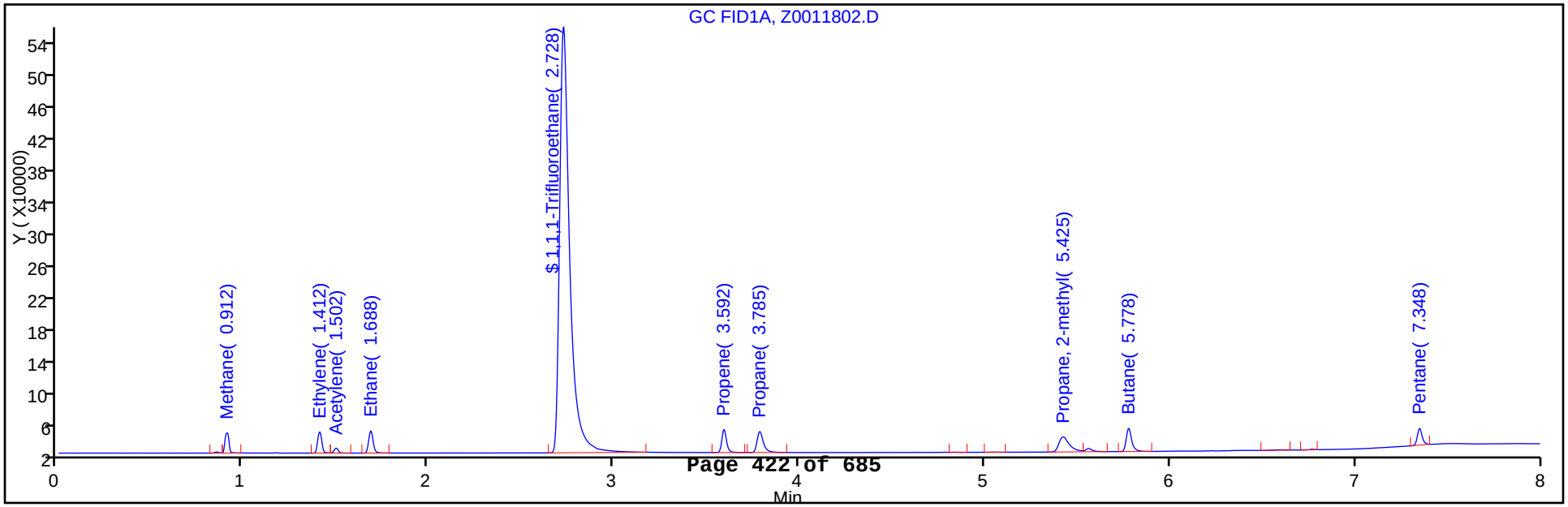
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011802.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:20:25 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 2 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011803.D | | |
| Lims ID: | STD2 | Client ID: | |
| Inject. Date: | 18-Jan-2013 15:32:39 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 2 |
| Sample ID: | 240-0016705-003 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 3 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:45 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

| | Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|
| | 1 Methane | | | | | | |
| | 2 | 0.912 | 0.909 | 0.003 | 123659 | 1.10 | |
| | 4 Ethylene | | | | | | |
| | 2 | 1.412 | 1.405 | 0.007 | 178527 | 1.90 | |
| | 5 Acetylene | | | | | | |
| | 2 | 1.498 | 1.495 | 0.003 | 41670 | 1.54 | |
| | 6 Ethane | | | | | | |
| | 2 | 1.685 | 1.682 | 0.003 | 203442 | 1.98 | |
| $ | 7 1,1,1-Trifluoroethane | | | | | | |
| | 2 | 2.725 | 2.672 | 0.053 | 8954283 | 236.2 | |
| | 8 Propene | | | | | | |
| | 2 | 3.592 | 3.582 | 0.010 | 224438 | 2.64 | |
| | 9 Propane | | | | | | |
| | 2 | 3.785 | 3.772 | 0.013 | 279391 | 2.74 | |
| | 10 Propane, 2-methyl | | | | | | |
| | 2 | 5.422 | 5.409 | 0.013 | 333875 | 3.33 | |
| | 11 Butane | | | | | | |
| | 2 | 5.775 | 5.759 | 0.016 | 270657 | 4.26 | |
| | 2 Carbon dioxide | | | | | | 1 |
| | 1 | | 6.377 | | | | |
| | 12 Pentane | | | | | | |
| | 2 | 7.345 | 7.343 | 0.002 | 184659 | 4.90 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

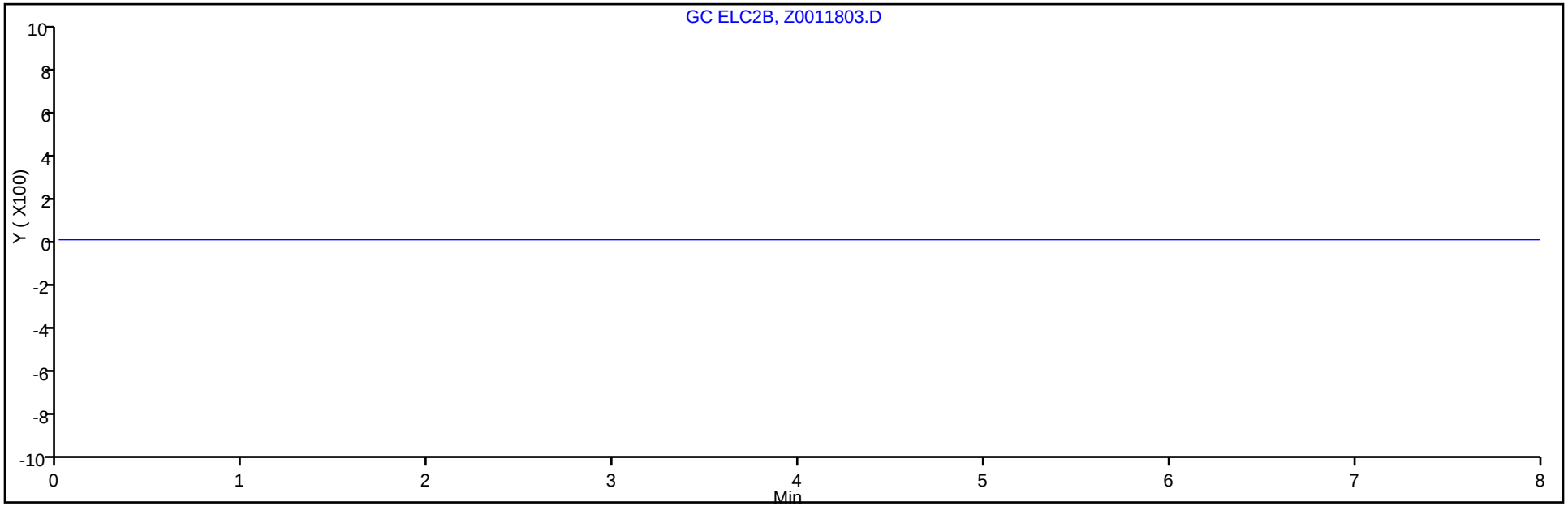
Report Date: 21-Jan-2013 07:51:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

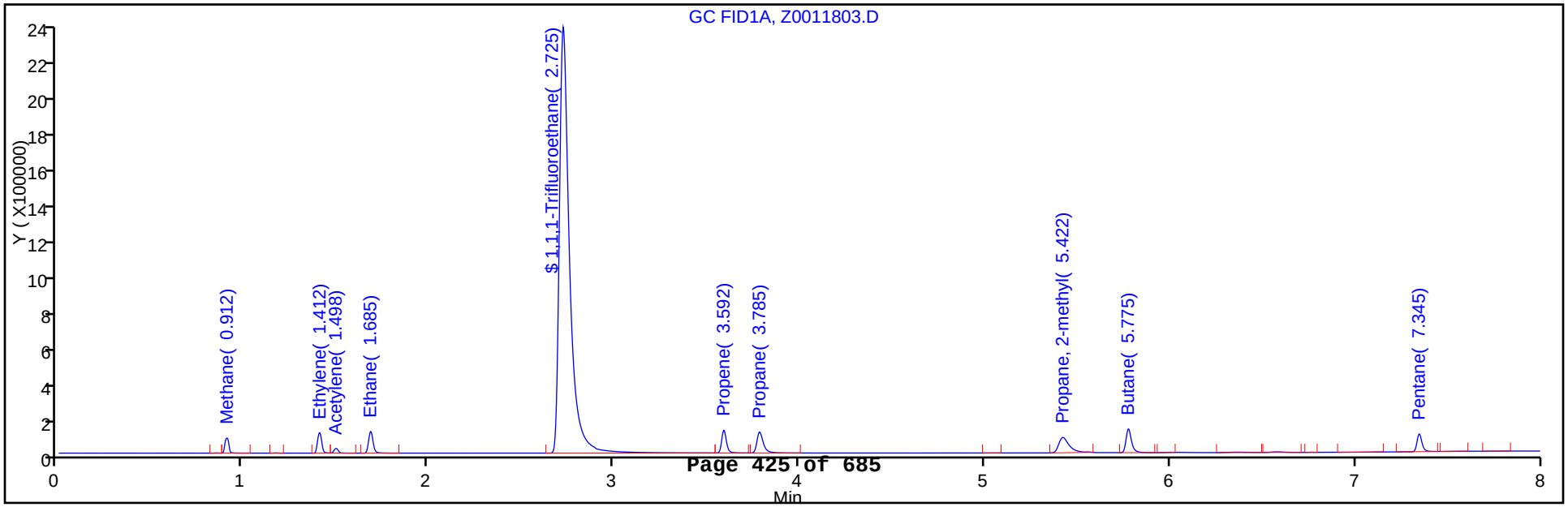
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011803.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:32:39 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 3 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011804.D | | |
| Lims ID: | STD3 | Client ID: | |
| Inject. Date: | 18-Jan-2013 15:44:52 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 3 |
| Sample ID: | 240-0016705-004 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 4 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:46 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.909 | 0.001 | 406582 | 3.62 | |
| 4 Ethylene | | | | | | |
| 2 | 1.410 | 1.405 | 0.005 | 602389 | 6.40 | |
| 5 Acetylene | | | | | | |
| 2 | 1.500 | 1.495 | 0.005 | 142717 | 5.28 | |
| 6 Ethane | | | | | | |
| 2 | 1.687 | 1.682 | 0.005 | 696560 | 6.76 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.720 | 2.672 | 0.048 | 36585949 | 965.3 | |
| 8 Propene | | | | | | |
| 2 | 3.590 | 3.582 | 0.008 | 758081 | 8.91 | |
| 9 Propane | | | | | | |
| 2 | 3.784 | 3.772 | 0.012 | 964752 | 9.47 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.420 | 5.409 | 0.011 | 1215789 | 12.1 | |
| 11 Butane | | | | | | |
| 2 | 5.774 | 5.759 | 0.015 | 940617 | 10.6 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.344 | 7.343 | 0.001 | 638579 | 16.9 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

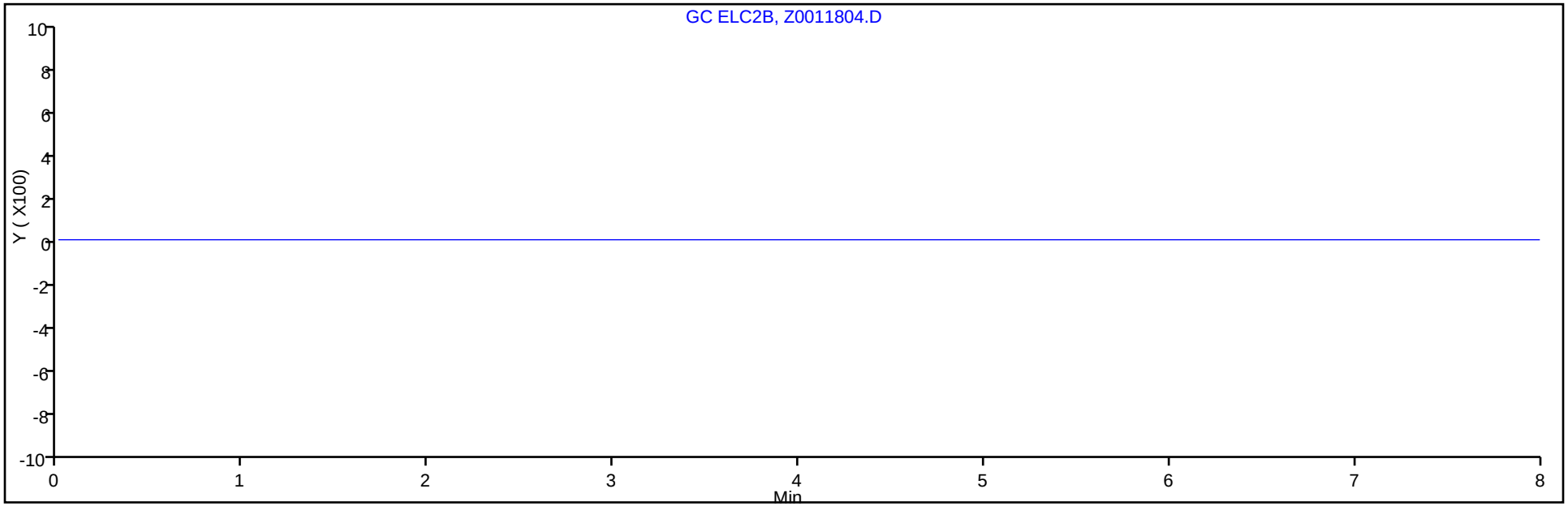
Report Date: 21-Jan-2013 07:51:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

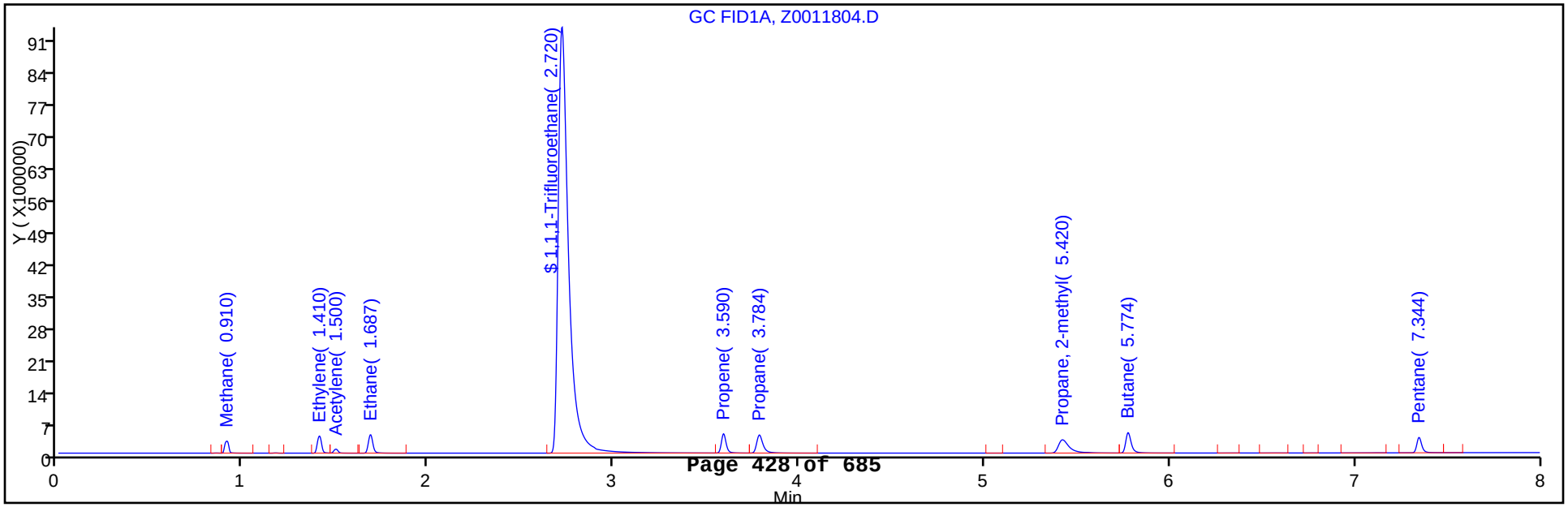
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011804.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:44:52 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 4 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011805.D
Lims ID: STD4 Client ID:
Inject. Date: 18-Jan-2013 15:57:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0016705-005
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 5
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:47 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 1209668 | 10.8 | |
| 4 Ethylene | | | | | | |
| 2 | 1.409 | 1.405 | 0.004 | 1803144 | 19.2 | |
| 5 Acetylene | | | | | | |
| 2 | 1.499 | 1.495 | 0.004 | 430060 | 15.9 | |
| 6 Ethane | | | | | | |
| 2 | 1.685 | 1.682 | 0.003 | 2103657 | 20.4 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.705 | 2.672 | 0.033 | 121933404 | 3217.1 | |
| 8 Propene | | | | | | |
| 2 | 3.589 | 3.582 | 0.007 | 2265818 | 26.6 | |
| 9 Propane | | | | | | |
| 2 | 3.782 | 3.772 | 0.010 | 2915538 | 28.6 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.419 | 5.409 | 0.010 | 3674766 | 36.7 | |
| 11 Butane | | | | | | |
| 2 | 5.772 | 5.759 | 0.013 | 2863160 | 28.6 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.342 | 7.343 | -0.001 | 1957370 | 51.9 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

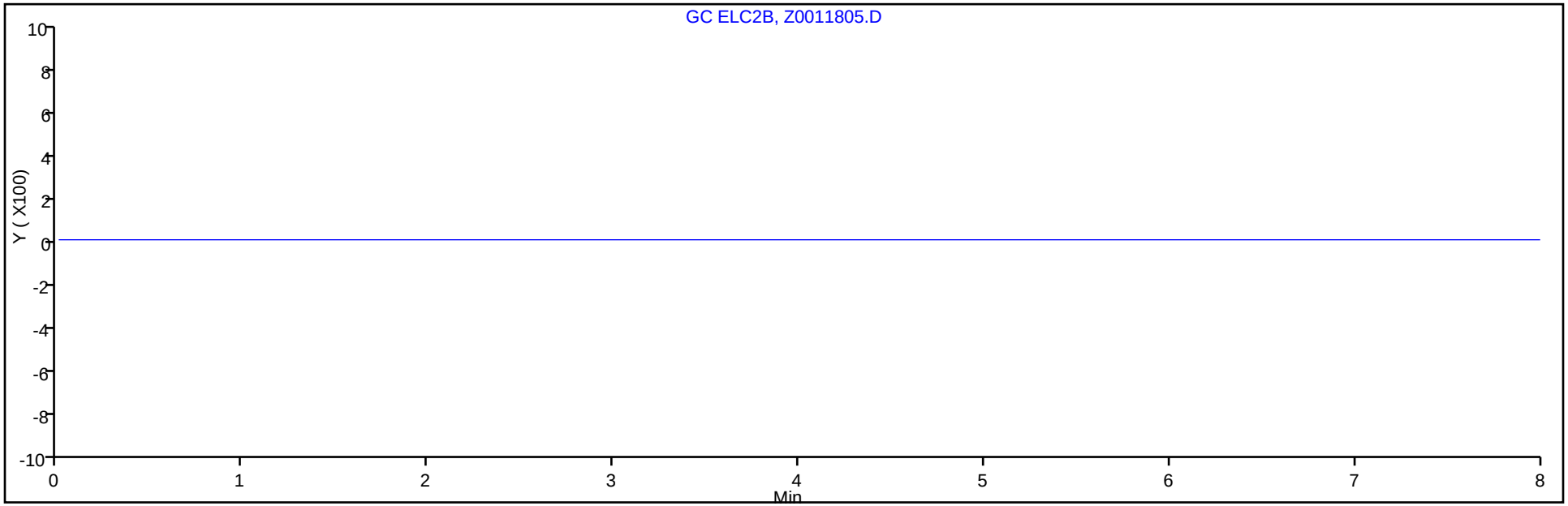
Report Date: 21-Jan-2013 07:51:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

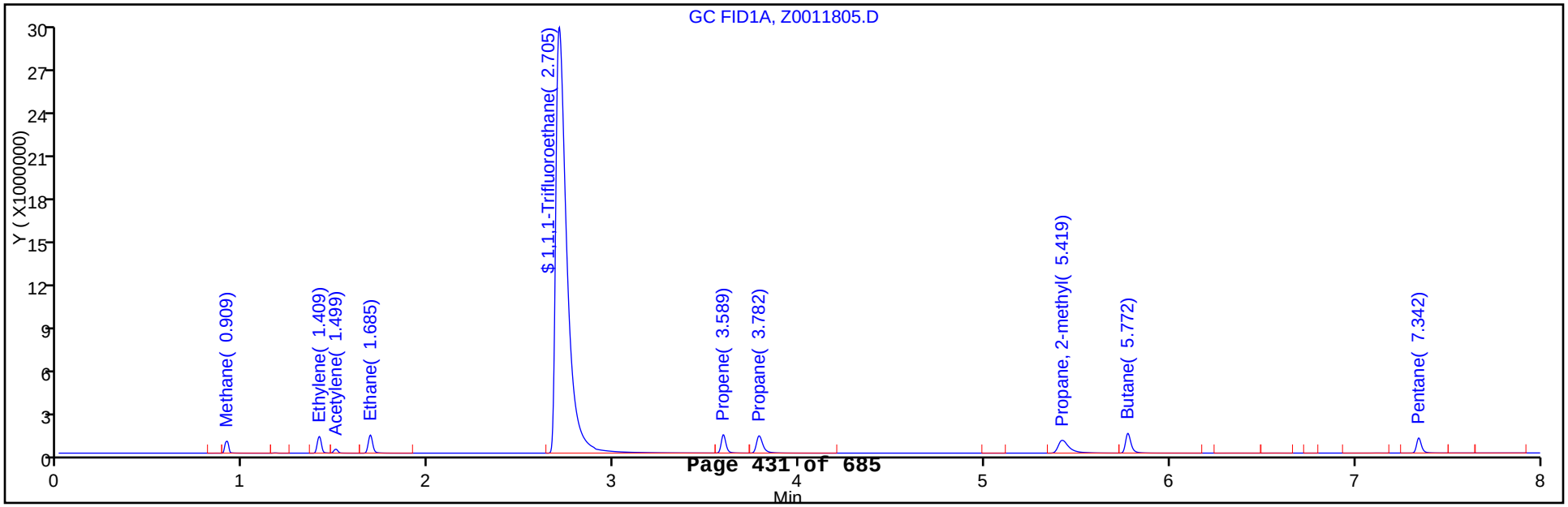
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011805.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 15:57:06 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 5 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011806.D
Lims ID: STD5 Client ID:
Inject. Date: 18-Jan-2013 16:09:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0016705-006
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 6
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:48 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 3969261 | 35.3 | |
| 4 Ethylene | | | | | | |
| 2 | 1.409 | 1.405 | 0.004 | 6346457 | 67.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.499 | 1.495 | 0.004 | 1642953 | 60.8 | |
| 6 Ethane | | | | | | |
| 2 | 1.682 | 1.682 | 0.000 | 7472670 | 72.6 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.685 | 2.672 | 0.013 | 249161727 | 6573.9 | |
| 8 Propene | | | | | | |
| 2 | 3.585 | 3.582 | 0.003 | 9132788 | 107.4 | |
| 9 Propane | | | | | | |
| 2 | 3.779 | 3.772 | 0.007 | 11246033 | 110.4 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.415 | 5.409 | 0.006 | 15084964 | 150.6 | |
| 11 Butane | | | | | | |
| 2 | 5.769 | 5.759 | 0.010 | 14692323 | 139.6 | |

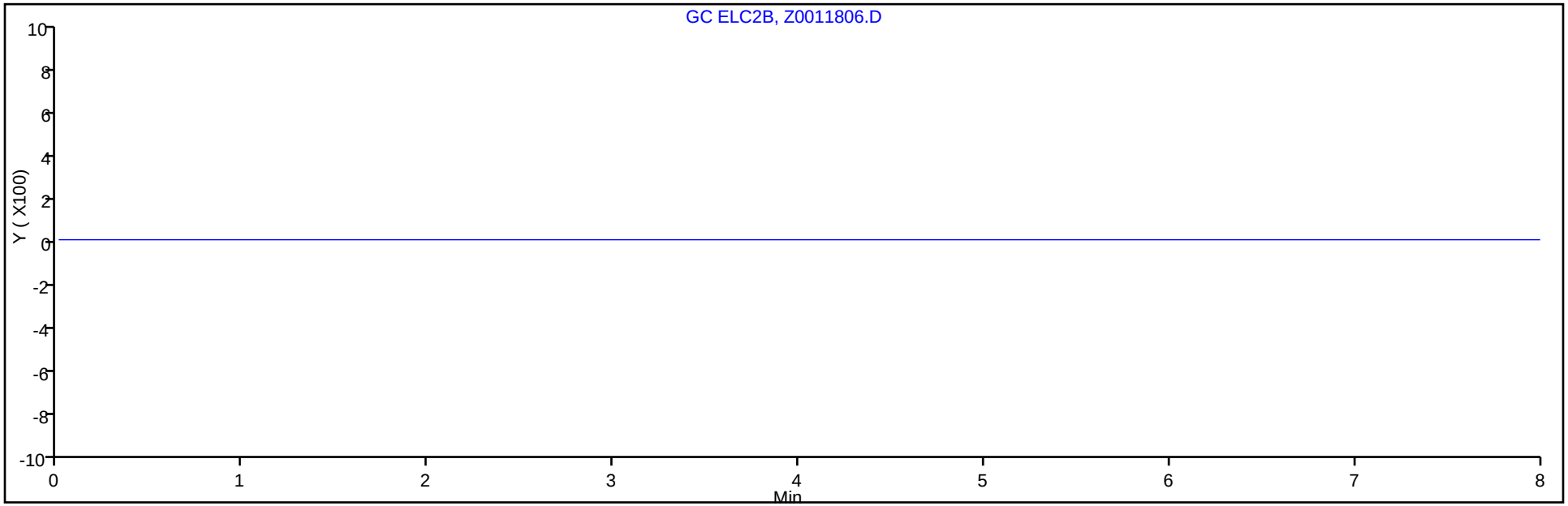
Report Date: 21-Jan-2013 07:51:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

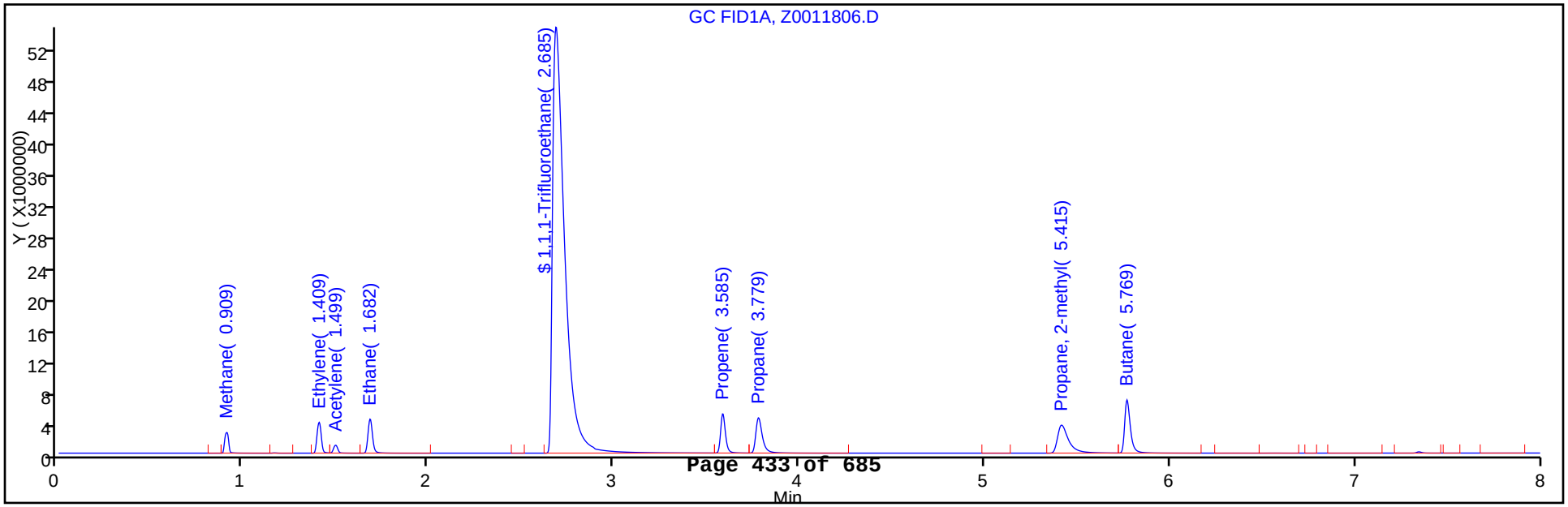
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011806.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:09:19 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 6 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011807.D | | |
| Lims ID: | STD6 | Client ID: | |
| Inject. Date: | 18-Jan-2013 16:21:33 | Dil. Factor: | 1.0000 |
| Sample Type: | ICRT | Calib Level: | 6 |
| Sample ID: | 240-0016705-007 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 7 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:49 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

| | Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|---|
| | 1 | Methane | | | | | |
| | 2 | 0.909 | 0.909 | 0.000 | 11934310 | 106.2 | |
| | 4 | Ethylene | | | | | |
| | 2 | 1.405 | 1.405 | 0.000 | 18928943 | 201.2 | |
| | 5 | Acetylene | | | | | |
| | 2 | 1.495 | 1.495 | 0.000 | 5189958 | 192.1 | |
| | 6 | Ethane | | | | | |
| | 2 | 1.682 | 1.682 | 0.000 | 22508675 | 218.6 | |
| $ | 7 | 1,1,1-Trifluoroethane | | | | | |
| | 2 | 2.672 | 2.672 | 0.000 | 367330855 | 9691.6 | |
| | 8 | Propene | | | | | |
| | 2 | 3.582 | 3.582 | 0.000 | 27266136 | 320.5 | |
| | 9 | Propane | | | | | |
| | 2 | 3.772 | 3.772 | 0.000 | 34014805 | 333.9 | |
| | 10 | Propane, 2-methyl | | | | | |
| | 2 | 5.409 | 5.409 | 0.000 | 45765053 | 456.8 | |
| | 11 | Butane | | | | | |
| | 2 | 5.759 | 5.759 | 0.000 | 44502877 | 419.5 | |

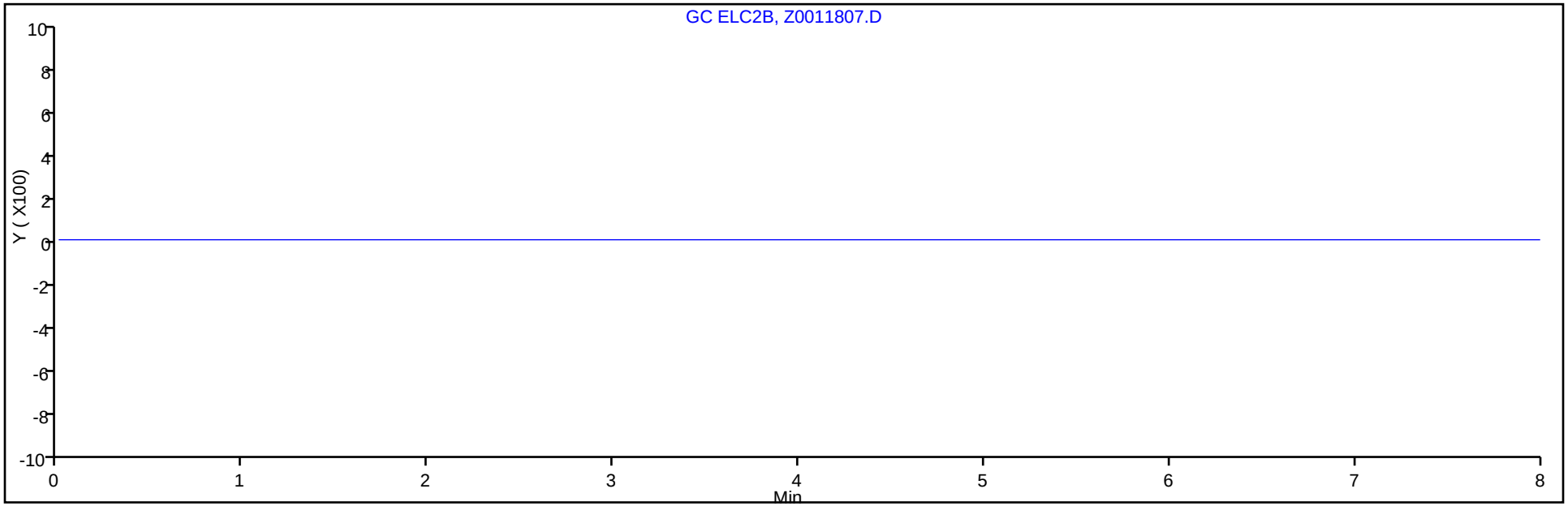
Report Date: 21-Jan-2013 07:51:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

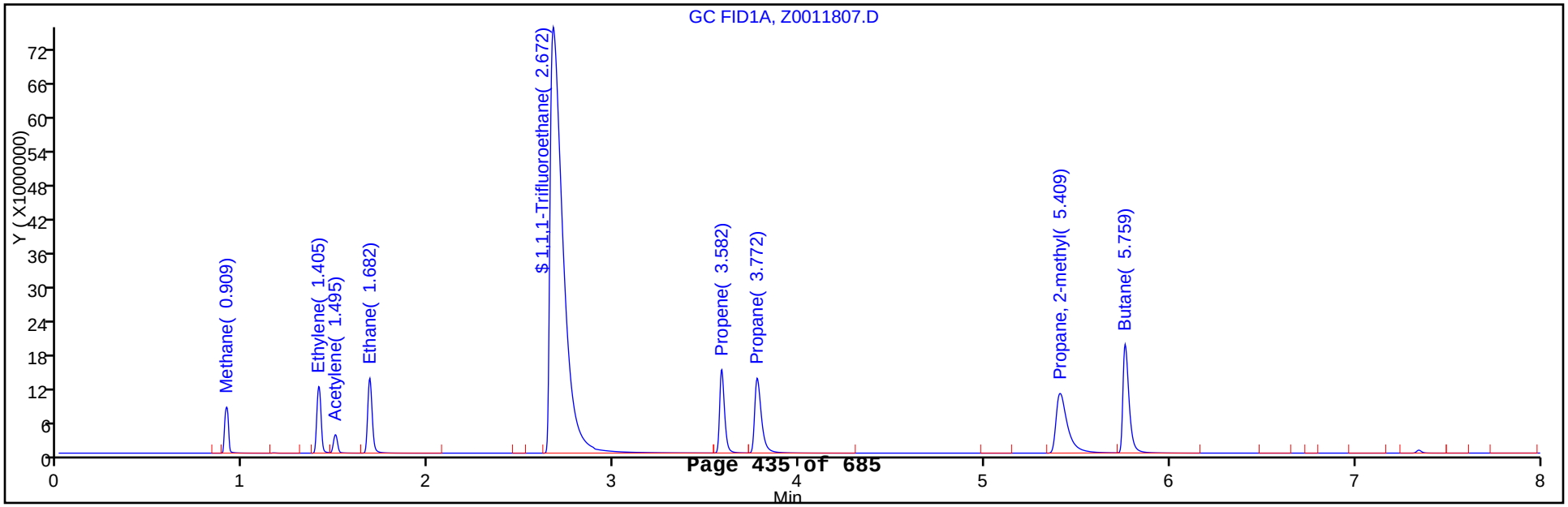
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011807.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:21:33 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 7 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011808.D | | |
| Lims ID: | STD7 | Client ID: | |
| Inject. Date: | 18-Jan-2013 16:33:46 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 7 |
| Sample ID: | 240-0016705-008 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 8 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:50 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.909 | 0.001 | 36666789 | 326.2 | |
| 4 Ethylene | | | | | | |
| 2 | 1.404 | 1.405 | -0.001 | 57345534 | 609.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.494 | 1.495 | -0.001 | 16648752 | 616.4 | |
| 6 Ethane | | | | | | |
| 2 | 1.677 | 1.682 | -0.005 | 68933291 | 669.4 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.657 | 2.672 | -0.015 | 500284541 | 13199 | |
| 8 Propene | | | | | | |
| 2 | 3.564 | 3.582 | -0.018 | 82393900 | 968.5 | |
| 9 Propane | | | | | | |
| 2 | 3.757 | 3.772 | -0.015 | 104277738 | 1023.7 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.387 | 5.409 | -0.022 | 140338679 | 1400.9 | |
| 11 Butane | | | | | | |
| 2 | 5.737 | 5.759 | -0.022 | 136446850 | 1282.6 | |

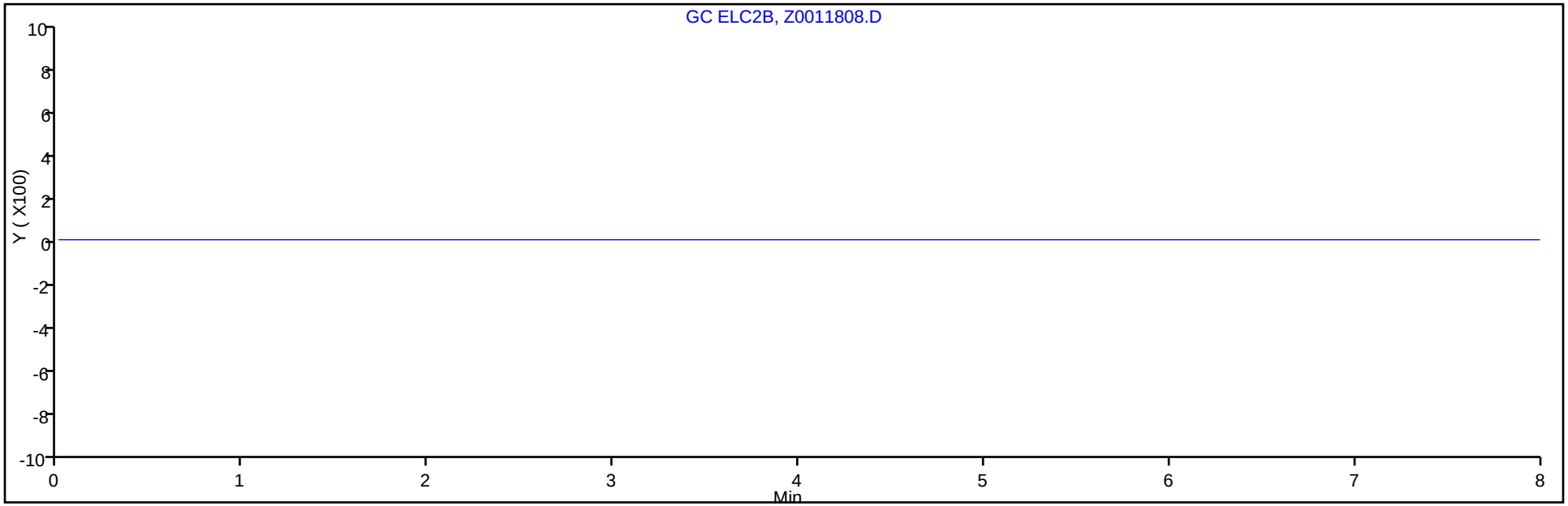
Report Date: 21-Jan-2013 07:51:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

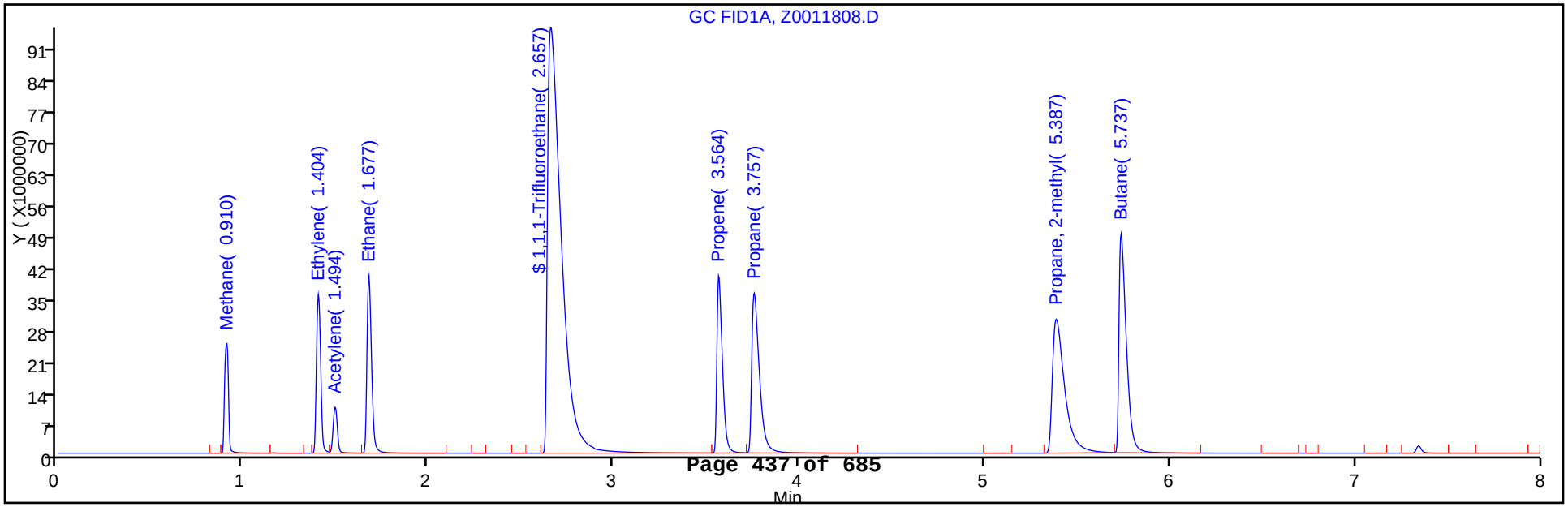
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011808.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:33:46 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 8 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011809.D | | |
| Lims ID: | STD8 | Client ID: | |
| Inject. Date: | 18-Jan-2013 16:45:59 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 8 |
| Sample ID: | 240-0016705-009 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 9 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:50 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 81376315 | 723.9 | |
| 4 Ethylene | | | | | | |
| 2 | 1.399 | 1.405 | -0.006 | 128474180 | 1365.4 | |
| 5 Acetylene | | | | | | |
| 2 | 1.492 | 1.495 | -0.003 | 40355973 | 1494.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.669 | 1.682 | -0.013 | 153167226 | 1487.3 | |
| 8 Propene | | | | | | |
| 2 | 3.542 | 3.582 | -0.040 | 185584124 | 2181.5 | |
| 9 Propane | | | | | | |
| 2 | 3.735 | 3.772 | -0.037 | 231733482 | 2275.0 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.359 | 5.409 | -0.050 | 311308529 | 3107.6 | |
| 11 Butane | | | | | | |
| 2 | 5.709 | 5.759 | -0.050 | 302265097 | 2839.2 | |

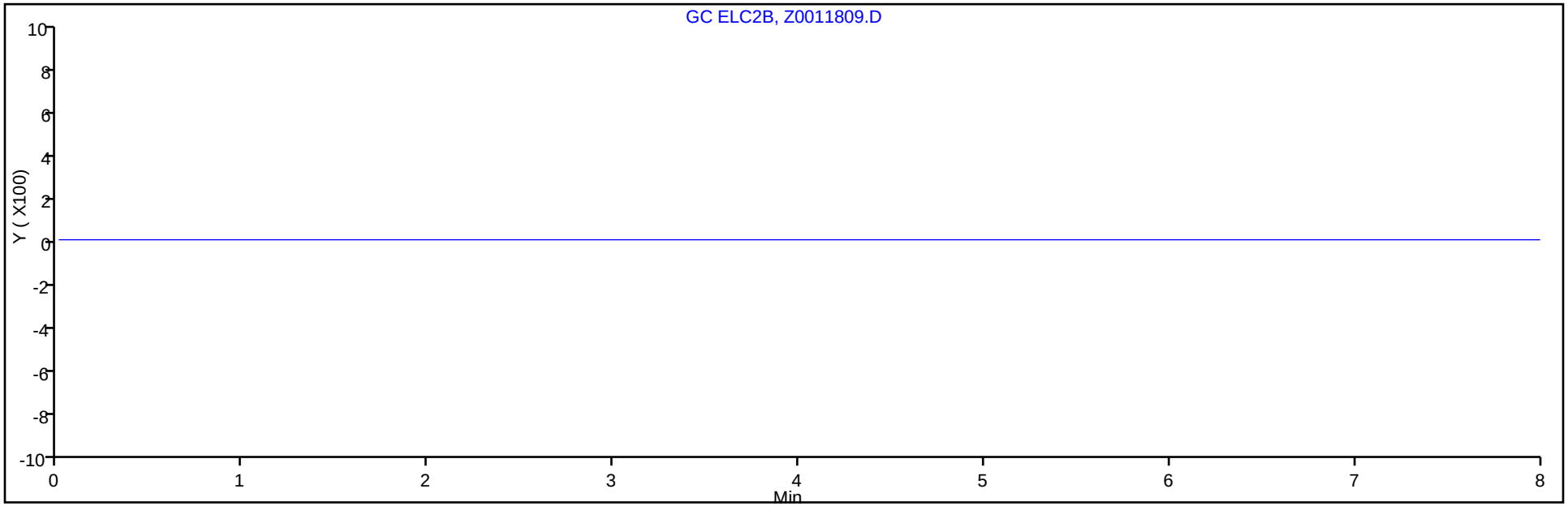
Report Date: 21-Jan-2013 07:51:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

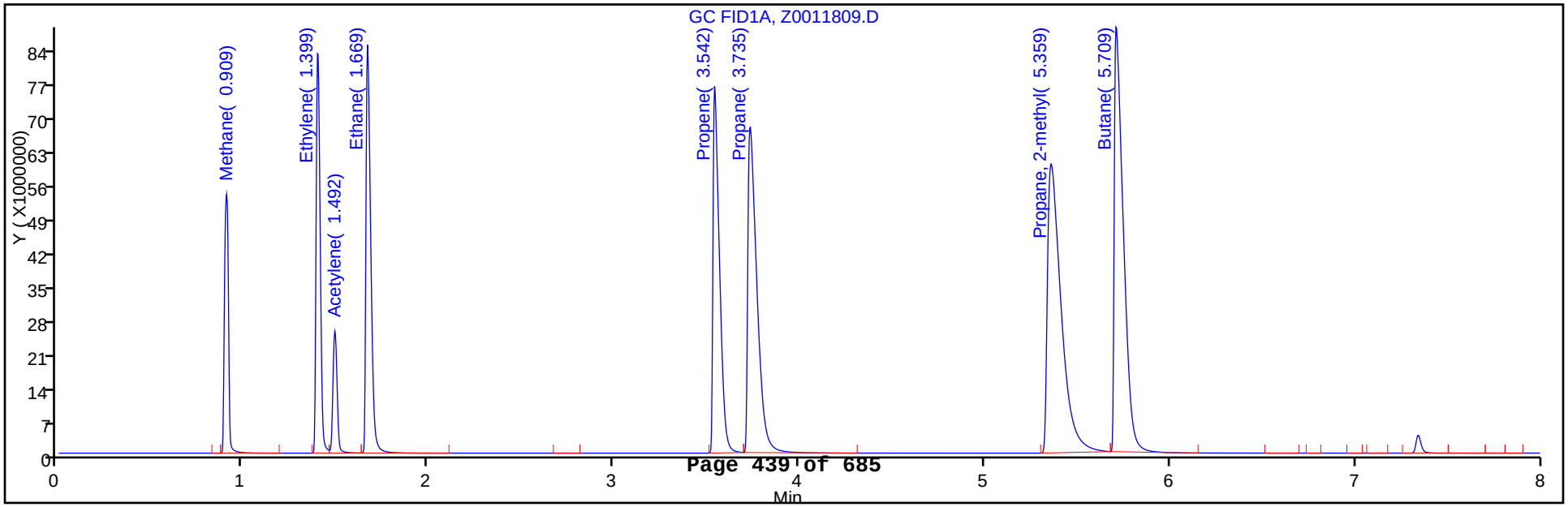
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011809.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:45:59 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 9 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Lims ID: | STD9 | Client ID: | |
| Inject. Date: | 18-Jan-2013 16:58:13 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 9 |
| Sample ID: | 240-0016705-010 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 72560 | Lims Sample ID: | 10 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m | | |
| Last Update: | 21-Jan-2013 07:51:51 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK001 | | |

First Level Reviewer: shockr Date: 21-Jan-2013 07:49:32

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 159521463 | 1419.0 | |
| 4 Ethylene | | | | | | |
| 2 | 1.392 | 1.405 | -0.013 | 247666290 | 2632.2 | |
| 5 Acetylene | | | | | | |
| 2 | 1.489 | 1.495 | -0.006 | 77009812 | 2851.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.655 | 1.682 | -0.027 | 300072325 | 2913.8 | |
| 8 Propene | | | | | | |
| 2 | 3.512 | 3.582 | -0.070 | 357727706 | 4204.9 | |
| 9 Propane | | | | | | |
| 2 | 3.705 | 3.772 | -0.067 | 454872922 | 4465.6 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.319 | 5.409 | -0.090 | 613077945 | 6120.1 | |
| 11 Butane | | | | | | |
| 2 | 5.675 | 5.759 | -0.084 | 594057423 | 5578.4 | |

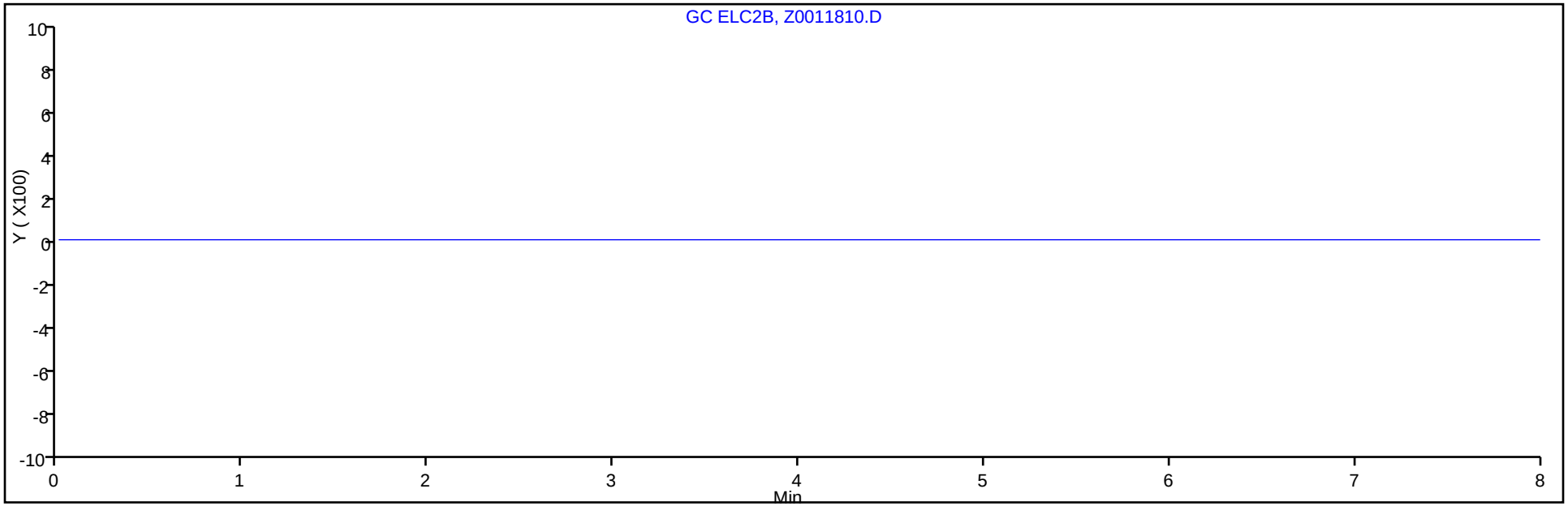
Report Date: 21-Jan-2013 07:51:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

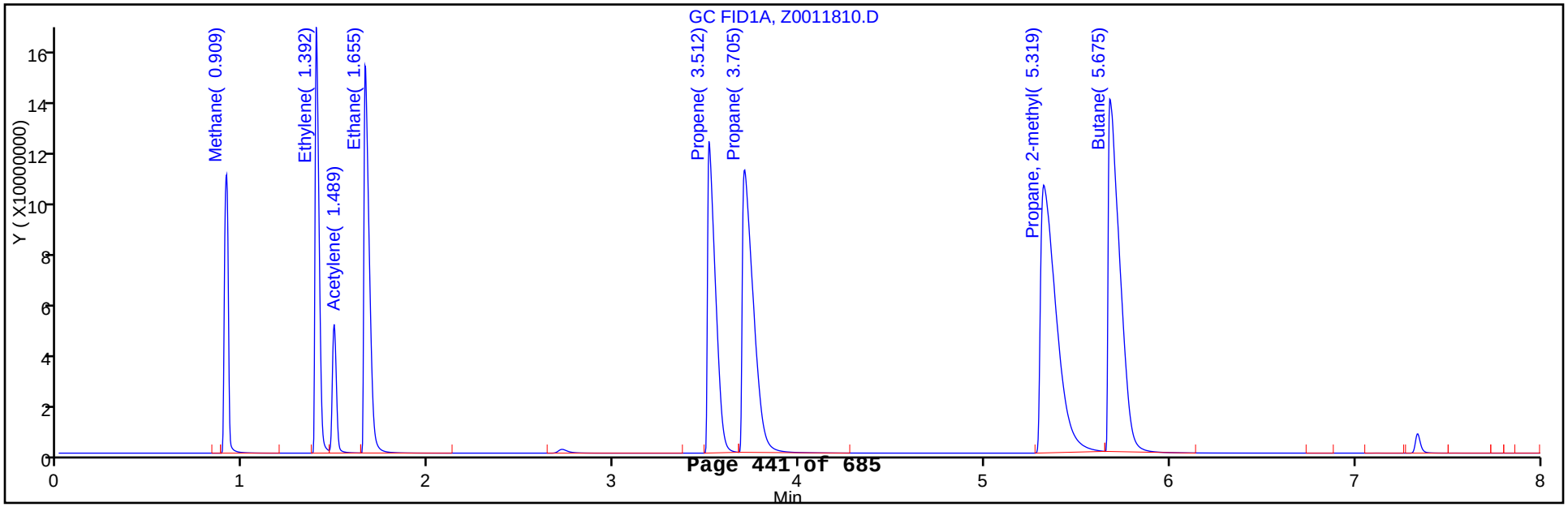
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 16:58:13 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 10 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: ICV 240-72560/11 Calibration Date: 01/18/2013 17:10

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0011811.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 105235 | | 108 | 116 | -6.4 | 30.0 |
| Ethylene | Ave | 94091 | 94878 | | 205 | 203 | 0.8 | 30.0 |
| Acetylene | Ave | 27012 | 29729 | | 207 | 188 | 10.1 | 30.0 |
| Ethane | Ave | 102982 | 105260 | | 223 | 218 | 2.2 | 30.0 |
| Propene | Ave | 85073 | 93015 | | 333 | 305 | 9.3 | 30.0 |
| Propane | Ave | 101861 | 109606 | | 342 | 318 | 7.6 | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 111796 | | 469 | 420 | 11.6 | 30.0 |
| Butane | Lin1 | | 108462 | | 430 | 420 | 2.2 | 30.0 |
| Pentane | Ave | 37720 | 97267 | | 1340 | 522 | 157.9* | 30.0 |
| 1,1,1-Trifluoroethane | Ave | 37902 | 41998 | | 2700 | 2440 | 10.8 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: ICV 240-72560/11 Calibration Date: 01/18/2013 17:10

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0011811.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.41 | 5.31 | 5.51 |
| Butane | 5.76 | 5.66 | 5.86 |
| Pentane | 7.33 | 7.24 | 7.44 |
| 1,1,1-Trifluoroethane | 2.71 | 2.57 | 2.77 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011811.D
Lims ID: ICV Client ID:
Inject. Date: 18-Jan-2013 17:10:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0016705-011
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 72560 Lims Sample ID: 11
Sublist:
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130118-16705.b\RSK175.m
Last Update: 21-Jan-2013 07:51:51 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK001

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.909 | 0.001 | 12178760 | 108.3 | |
| 4 Ethylene | | | | | | |
| 2 | 1.407 | 1.405 | 0.002 | 19284798 | 205.0 | |
| 5 Acetylene | | | | | | |
| 2 | 1.497 | 1.495 | 0.002 | 5590892 | 207.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.682 | -0.002 | 22918211 | 222.5 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.707 | 2.672 | 0.035 | 102284268 | 2698.7 | |
| 8 Propene | | | | | | |
| 2 | 3.580 | 3.582 | -0.002 | 28326404 | 333.0 | |
| 9 Propane | | | | | | |
| 2 | 3.774 | 3.772 | 0.002 | 34868157 | 342.3 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.407 | 5.409 | -0.002 | 46984052 | 469.0 | |
| 11 Butane | | | | | | |
| 2 | 5.757 | 5.759 | -0.002 | 45582783 | 429.6 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.327 | 7.343 | -0.016 | 50728983 | 1344.9 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

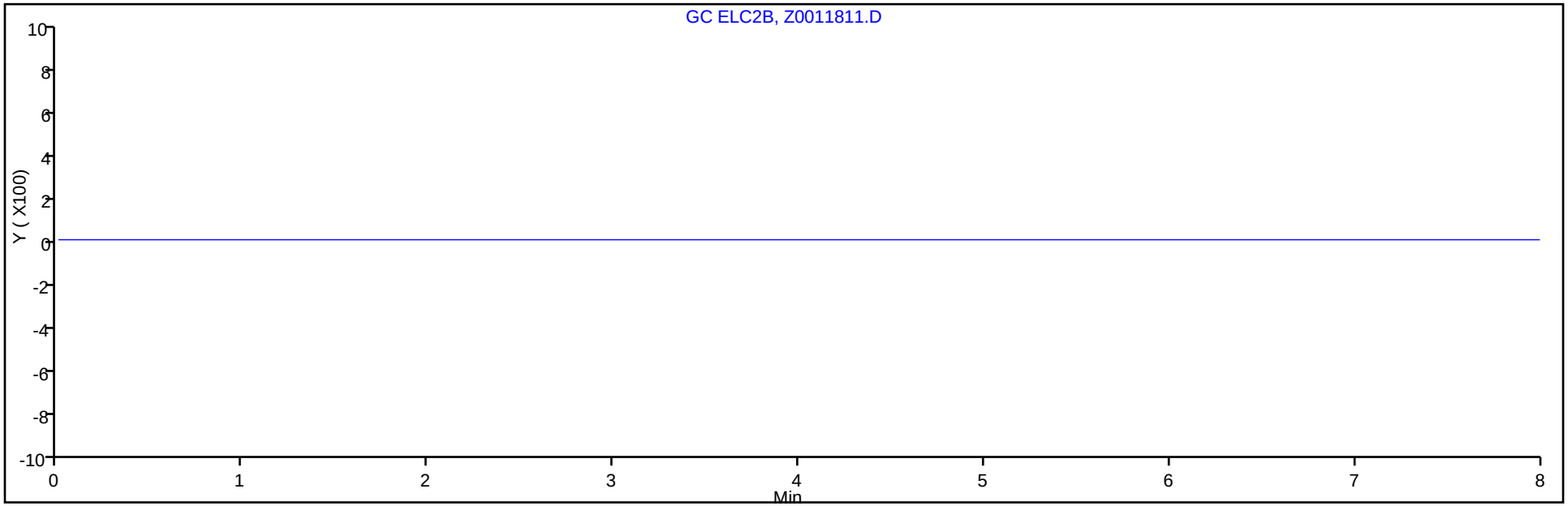
Report Date: 21-Jan-2013 07:51:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

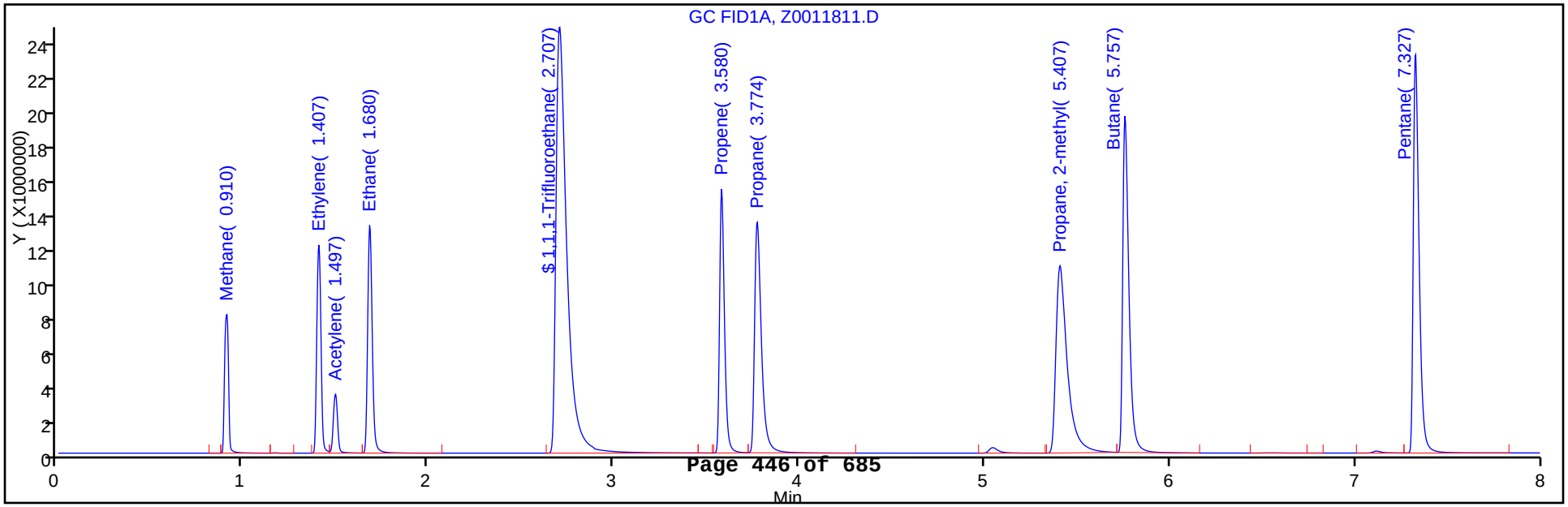
Data File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011811.D

| | | | |
|---|---|---|---|
| Injection Date: | 18-Jan-2013 17:10:26 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 72560 | Lims Sample ID: | 11 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVRT 240-75041/2 Calibration Date: 02/12/2013 13:59

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021202.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 124884 | | 129 | 116 | 11.1 | 30.0 |
| Ethylene | Ave | 94091 | 124732 | | 269 | 203 | 32.6* | 30.0 |
| Acetylene | Ave | 27012 | 39819 | | 277 | 188 | 47.4* | 30.0 |
| Ethane | Ave | 102982 | 135414 | | 286 | 218 | 31.5* | 30.0 |
| Propene | Ave | 85073 | 113635 | | 407 | 305 | 33.6* | 30.0 |
| Propane | Ave | 101861 | 136176 | | 426 | 319 | 33.7* | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 136944 | | 575 | 420 | 36.7* | 30.0 |
| Butane | Lin1 | | 112750 | | 447 | 420 | 6.3 | 30.0 |
| Pentane | Ave | 37720 | 2377 | | | 522 | -93.7* | 30.0 |
| 1,1,1-Trifluoroethane | Ave | 37902 | 42234 | | 2710 | 2440 | 11.4 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVRT 240-75041/2 Calibration Date: 02/12/2013 13:59

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021202.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.40 | 5.30 | 5.50 |
| Butane | 5.76 | 5.66 | 5.86 |
| Pentane | 7.34 | 7.24 | 7.44 |
| 1,1,1-Trifluoroethane | 2.70 | 2.60 | 2.80 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021202.D | | |
| Lims ID: | CCVRT | Client ID: | |
| Inject. Date: | 12-Feb-2013 13:59:19 | Dil. Factor: | 1.0000 |
| Sample Type: | CCVRT | | |
| Sample ID: | 240-0017292-002 | | |
| Misc. Info.: | | | |
| Operator: | 402582 | Instrument ID: | ZPID |
| Purge Vol: | 1.000 mL | ALS Bottle#: | 1 |
| Lims Batch ID: | 75041 | Lims Sample ID: | 2 |
| Sublist: | chrom-RSK175*sub3 | | |
| Detector 1 : | GC ELC2B | | |
| Detector 2 : | GC FID1A | | |
| Method: | \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m | | |
| Last Update: | 13-Feb-2013 09:07:36 | Calib Date: | 18-Jan-2013 16:58:13 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D | | |
| Limit Group: | GCV RSK 175 ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK033 | | |

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.910 | 0.000 | 14452783 | 128.6 | |
| 4 Ethylene | | | | | | |
| 2 | 1.410 | 1.410 | 0.000 | 25352886 | 269.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.497 | 1.497 | 0.000 | 7488541 | 277.2 | |
| 6 Ethane | | | | | | |
| 2 | 1.684 | 1.684 | 0.000 | 29483694 | 286.3 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.704 | 2.704 | 0.000 | 102860378 | 2713.9 | |
| 8 Propene | | | | | | |
| 2 | 3.580 | 3.580 | 0.000 | 34605999 | 406.8 | |
| 9 Propane | | | | | | |
| 2 | 3.770 | 3.770 | 0.000 | 43440822 | 426.5 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.403 | 0.000 | 57552598 | 574.5 | |
| 11 Butane | | | | | | |
| 2 | 5.757 | 5.757 | 0.000 | 47384954 | 446.5 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.343 | 7.343 | 0.000 | 1239910 | 32.9 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

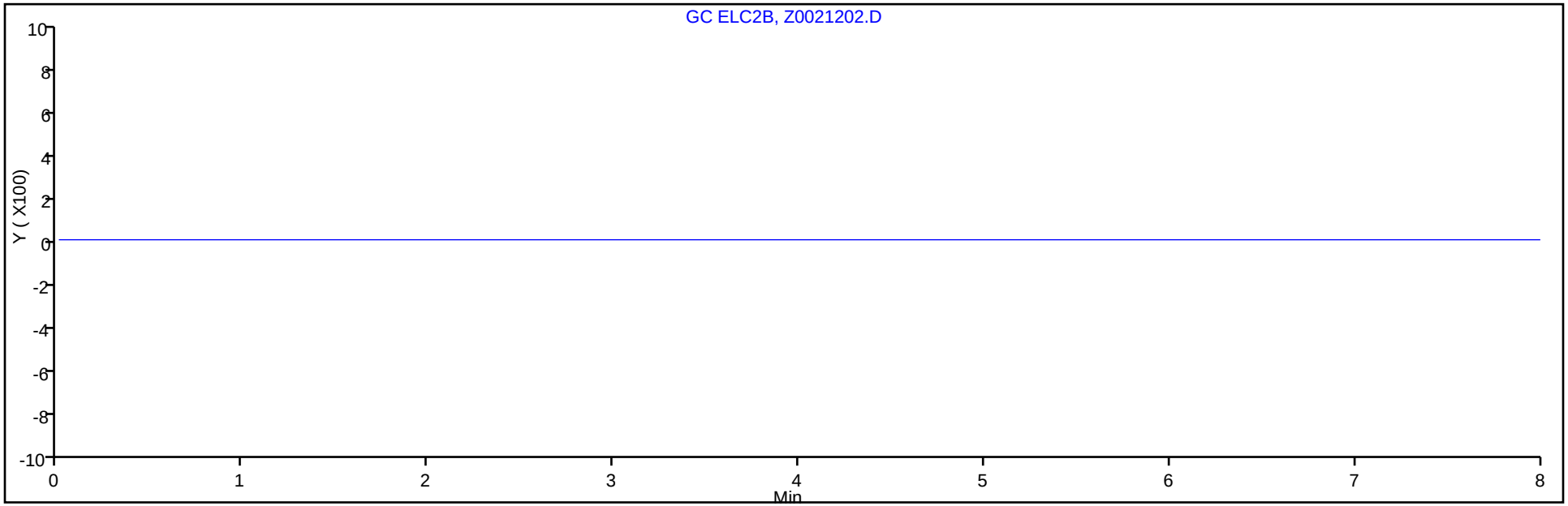
Report Date: 13-Feb-2013 09:07:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

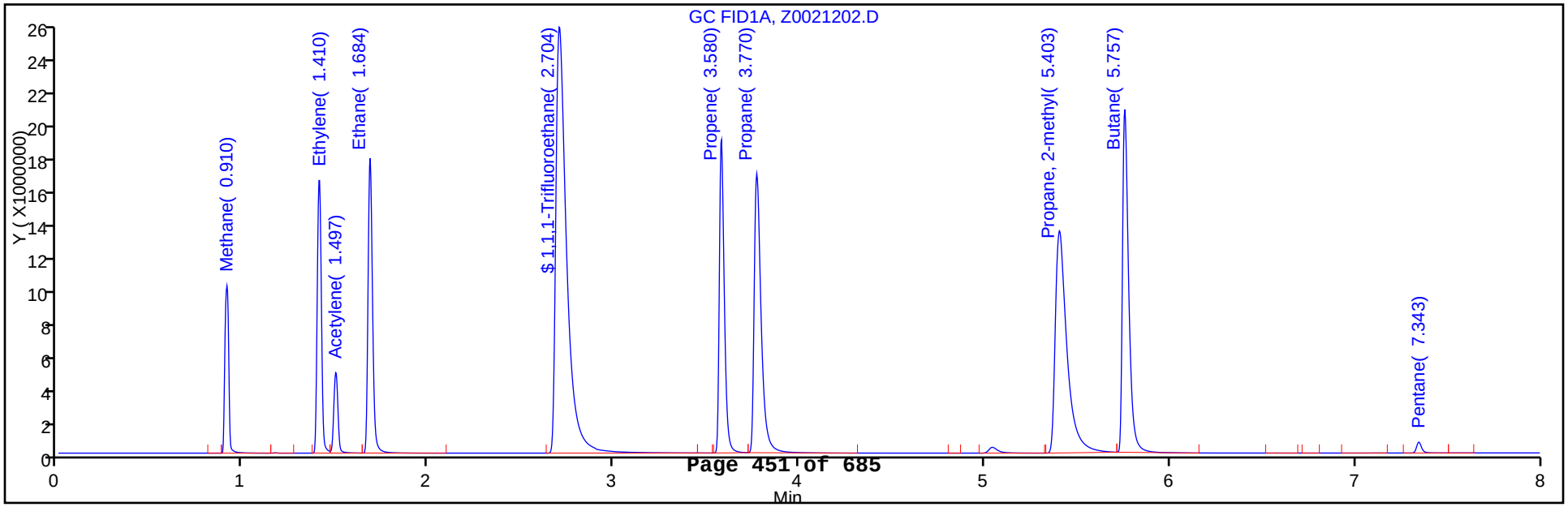
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021202.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 13:59:19 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 2 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCV 240-75041/11 Calibration Date: 02/12/2013 17:34

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021211.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 126113 | | 130 | 116 | 12.2 | 30.0 |
| Ethylene | Ave | 94091 | 117575 | | 254 | 203 | 25.0 | 30.0 |
| Acetylene | Ave | 27012 | 36252 | | 252 | 188 | 34.2* | 30.0 |
| Ethane | Ave | 102982 | 135887 | | 287 | 218 | 32.0* | 30.0 |
| Propene | Ave | 85073 | 106402 | | 381 | 305 | 25.1 | 30.0 |
| Propane | Ave | 101861 | 138190 | | 433 | 319 | 35.7* | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 140818 | | 591 | 420 | 40.6* | 30.0 |
| Butane | Lin1 | | 114982 | | 455 | 420 | 8.3 | 30.0 |
| Pentane | Ave | 37720 | 2425 | | | 522 | -93.6* | 30.0 |
| 1,1,1-Trifluoroethane | Ave | 37902 | 39362 | | 2530 | 2440 | 3.9 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCV 240-75041/11 Calibration Date: 02/12/2013 17:34

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021211.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.40 | 5.30 | 5.50 |
| Butane | 5.75 | 5.65 | 5.85 |
| Pentane | 7.34 | 7.24 | 7.44 |
| 1,1,1-Trifluoroethane | 2.70 | 2.60 | 2.80 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021211.D
Lims ID: CCV Client ID:
Inject. Date: 12-Feb-2013 17:34:45 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0017292-011
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 11
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.910 | 0.000 | 14595037 | 129.8 | |
| 4 Ethylene | | | | | | |
| 2 | 1.406 | 1.406 | 0.000 | 23898137 | 254.0 | |
| 5 Acetylene | | | | | | |
| 2 | 1.496 | 1.496 | 0.000 | 6817653 | 252.4 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.680 | 0.000 | 29586668 | 287.3 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 95864161 | 2529.3 | |
| 8 Propene | | | | | | |
| 2 | 3.576 | 3.576 | 0.000 | 32403238 | 380.9 | |
| 9 Propane | | | | | | |
| 2 | 3.766 | 3.766 | 0.000 | 44083511 | 432.8 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.400 | 5.400 | 0.000 | 59180677 | 590.8 | |
| 11 Butane | | | | | | |
| 2 | 5.753 | 5.753 | 0.000 | 48323078 | 455.3 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.340 | 7.340 | 0.000 | 1264570 | 33.5 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

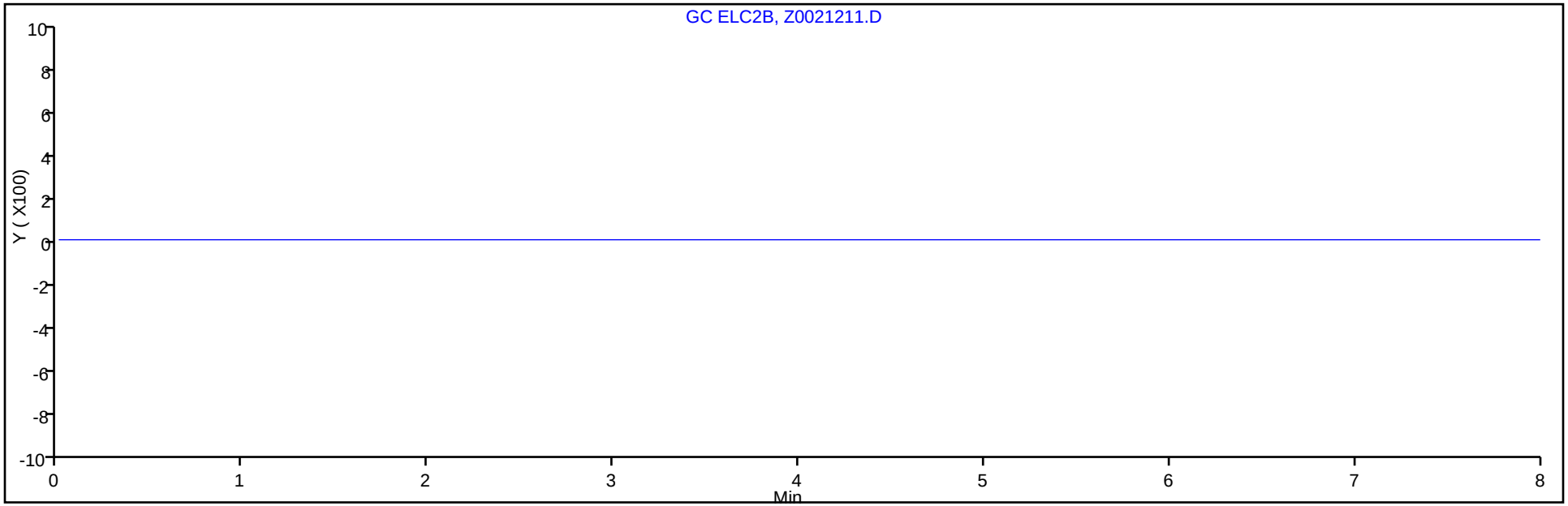
Report Date: 13-Feb-2013 09:07:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

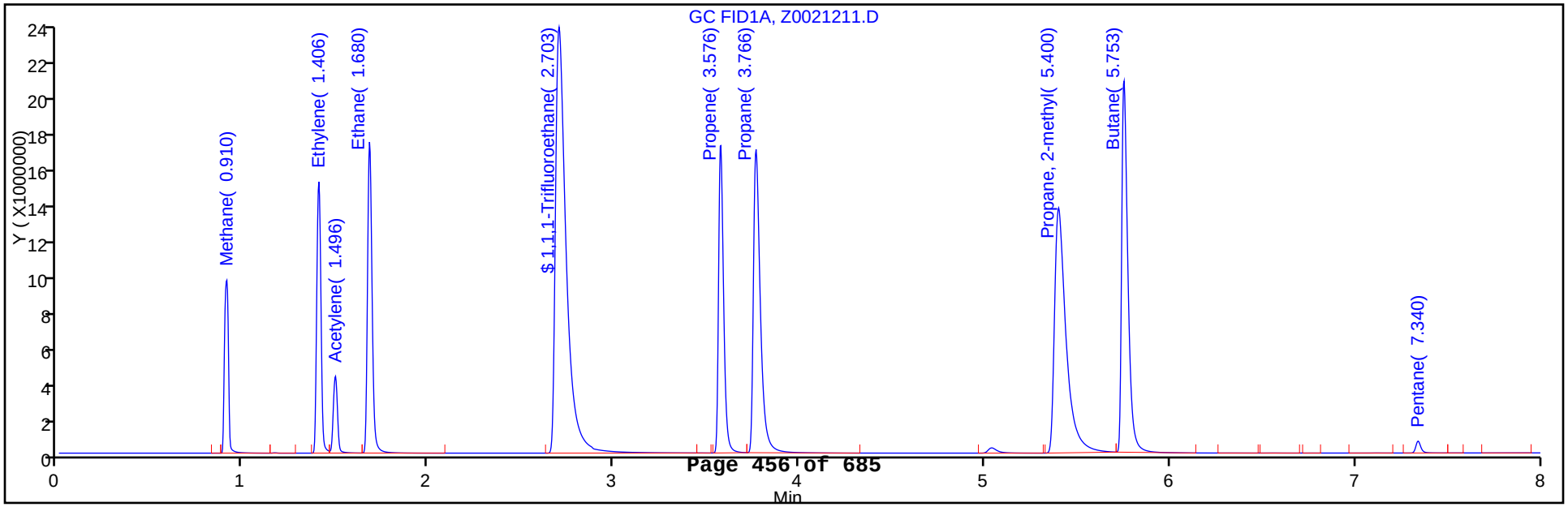
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021211.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 17:34:45 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 11 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVRT 240-75339/2 Calibration Date: 02/14/2013 15:51

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021402.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 101338 | | 104 | 116 | -9.9 | 30.0 |
| Ethylene | Ave | 94091 | 95738 | | 207 | 203 | 1.8 | 30.0 |
| Acetylene | Ave | 27012 | 33810 | | 235 | 188 | 25.2 | 30.0 |
| Ethane | Ave | 102982 | 101391 | | 214 | 218 | -1.5 | 30.0 |
| Propene | Ave | 85073 | 91422 | | 327 | 305 | 7.5 | 30.0 |
| Propane | Ave | 101861 | 102683 | | 322 | 319 | 0.8 | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 102382 | | 430 | 420 | 2.2 | 30.0 |
| Butane | Lin1 | | 98983 | | 392 | 420 | -6.7 | 30.0 |
| Pentane | Ave | 37720 | | | | 522 | | |
| 1,1,1-Trifluoroethane | Ave | 37902 | 44378 | | 2850 | 2440 | 17.1 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVRT 240-75339/2 Calibration Date: 02/14/2013 15:51

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021402.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.41 | 5.31 | 5.51 |
| Butane | 5.76 | 5.66 | 5.86 |
| Pentane | | | |
| 1,1,1-Trifluoroethane | 2.70 | 2.60 | 2.80 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021402.D
Lims ID: CCVRT Client ID:
Inject. Date: 14-Feb-2013 15:51:50 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0017349-002
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 2
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 11727766 | 104.3 | |
| 4 Ethylene | | | | | | |
| 2 | 1.409 | 1.409 | 0.000 | 19459560 | 206.8 | |
| 5 Acetylene | | | | | | |
| 2 | 1.499 | 1.499 | 0.000 | 6358479 | 235.4 | |
| 6 Ethane | | | | | | |
| 2 | 1.683 | 1.683 | 0.000 | 22075819 | 214.4 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 108080274 | 2851.6 | |
| 8 Propene | | | | | | |
| 2 | 3.579 | 3.579 | 0.000 | 27841356 | 327.3 | |
| 9 Propane | | | | | | |
| 2 | 3.773 | 3.773 | 0.000 | 32756570 | 321.6 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.406 | 5.406 | 0.000 | 43027552 | 429.5 | |
| 11 Butane | | | | | | |
| 2 | 5.759 | 5.759 | 0.000 | 41599086 | 392.2 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | | 7.343 | | | | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

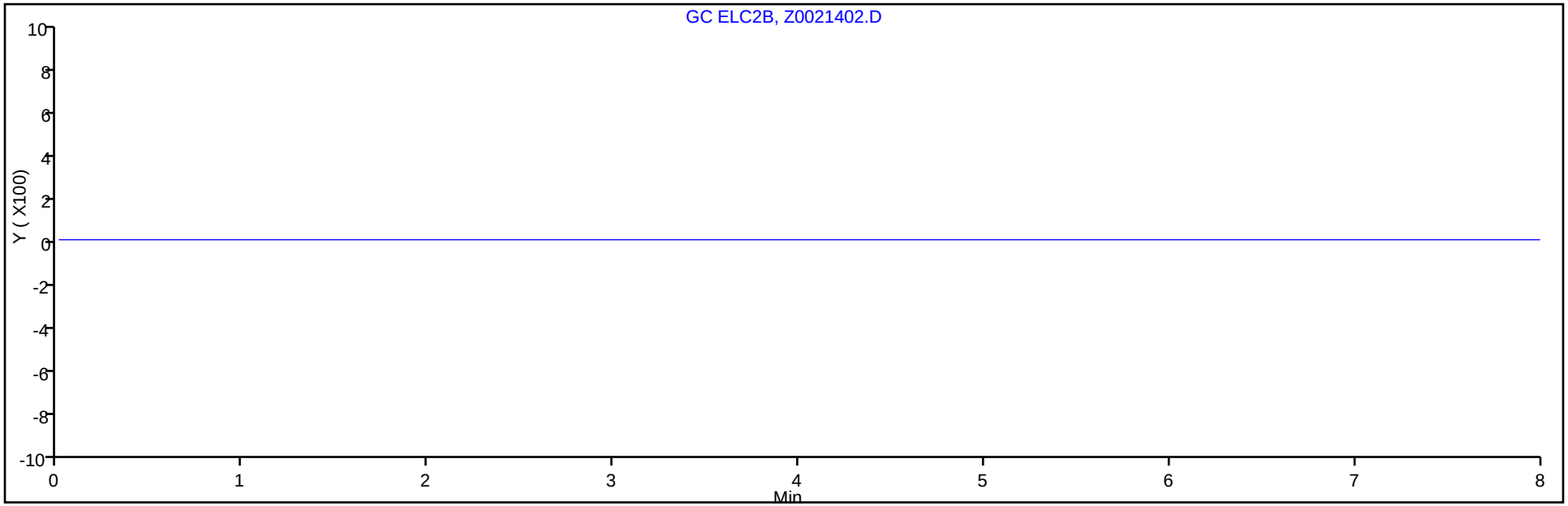
Report Date: 15-Feb-2013 10:11:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

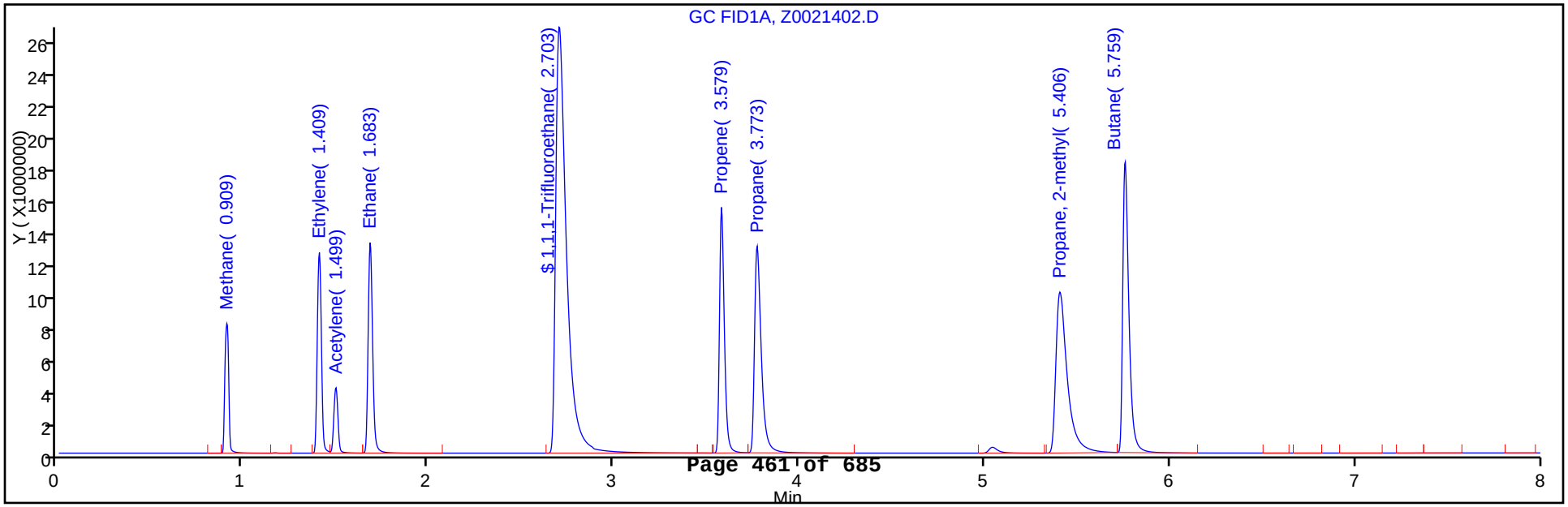
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021402.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 15:51:50 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 2 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVRT 240-75709/3 Calibration Date: 02/19/2013 11:28

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021903.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methane | Ave | 112419 | 103172 | | 106 | 116 | -8.2 | 30.0 |
| Ethylene | Ave | 94091 | 96907 | | 209 | 203 | 3.0 | 30.0 |
| Acetylene | Ave | 27012 | 33464 | | 233 | 188 | 23.9 | 30.0 |
| Ethane | Ave | 102982 | 102797 | | 217 | 218 | -0.2 | 30.0 |
| Propene | Ave | 85073 | 91964 | | 329 | 305 | 8.1 | 30.0 |
| Propane | Ave | 101861 | 103686 | | 325 | 319 | 1.8 | 30.0 |
| Propane, 2-methyl | Ave | 100175 | 103243 | | 433 | 420 | 3.1 | 30.0 |
| Butane | Lin1 | | 98615 | | 391 | 420 | -7.0 | 30.0 |
| Pentane | Ave | 37720 | | | | 522 | | |
| 1,1,1-Trifluoroethane | Ave | 37902 | 43072 | | 2770 | 2440 | 13.6 | 30.0 |

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Lab Sample ID: CCVRT 240-75709/3 Calibration Date: 02/19/2013 11:28

Instrument ID: ZPID Calib Start Date: 01/18/2013 15:20

GC Column: ID: Calib End Date: 01/18/2013 16:58

Lab File ID: Z0021903.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | FROM | TO |
| Methane | 0.91 | 0.86 | 0.96 |
| Ethylene | 1.41 | 1.36 | 1.46 |
| Acetylene | 1.50 | 1.45 | 1.55 |
| Ethane | 1.68 | 1.48 | 1.88 |
| Propene | 3.58 | 3.53 | 3.63 |
| Propane | 3.77 | 3.72 | 3.82 |
| Propane, 2-methyl | 5.41 | 5.31 | 5.51 |
| Butane | 5.76 | 5.66 | 5.86 |
| Pentane | | | |
| 1,1,1-Trifluoroethane | 2.70 | 2.60 | 2.80 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021903.D
Lims ID: CCVRT Client ID:
Inject. Date: 19-Feb-2013 11:28:21 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0017427-003
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75709 Lims Sample ID: 3
Sublist: chrom-RSK175*sub3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130219-17427.b\RSK175.m
Last Update: 20-Feb-2013 11:22:34 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK009

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 11940092 | 106.2 | |
| 2 Ethylene | | | | | | |
| 2 | 1.409 | 1.409 | 0.000 | 19697103 | 209.3 | |
| 3 Acetylene | | | | | | |
| 2 | 1.496 | 1.496 | 0.000 | 6293426 | 233.0 | |
| 4 Ethane | | | | | | |
| 2 | 1.683 | 1.683 | 0.000 | 22381888 | 217.3 | |
| $ 5 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 104900529 | 2767.7 | |
| 6 Propene | | | | | | |
| 2 | 3.579 | 3.579 | 0.000 | 28006255 | 329.2 | |
| 7 Propane | | | | | | |
| 2 | 3.769 | 3.769 | 0.000 | 33076327 | 324.7 | |
| 8 Propane, 2-methyl | | | | | | |
| 2 | 5.406 | 5.406 | 0.000 | 43389452 | 433.1 | |
| 9 Butane | | | | | | |
| 2 | 5.756 | 5.756 | 0.000 | 41444230 | 390.8 | |
| 10 Pentane | | | | | | |
| 2 | | 7.347 | | | | |

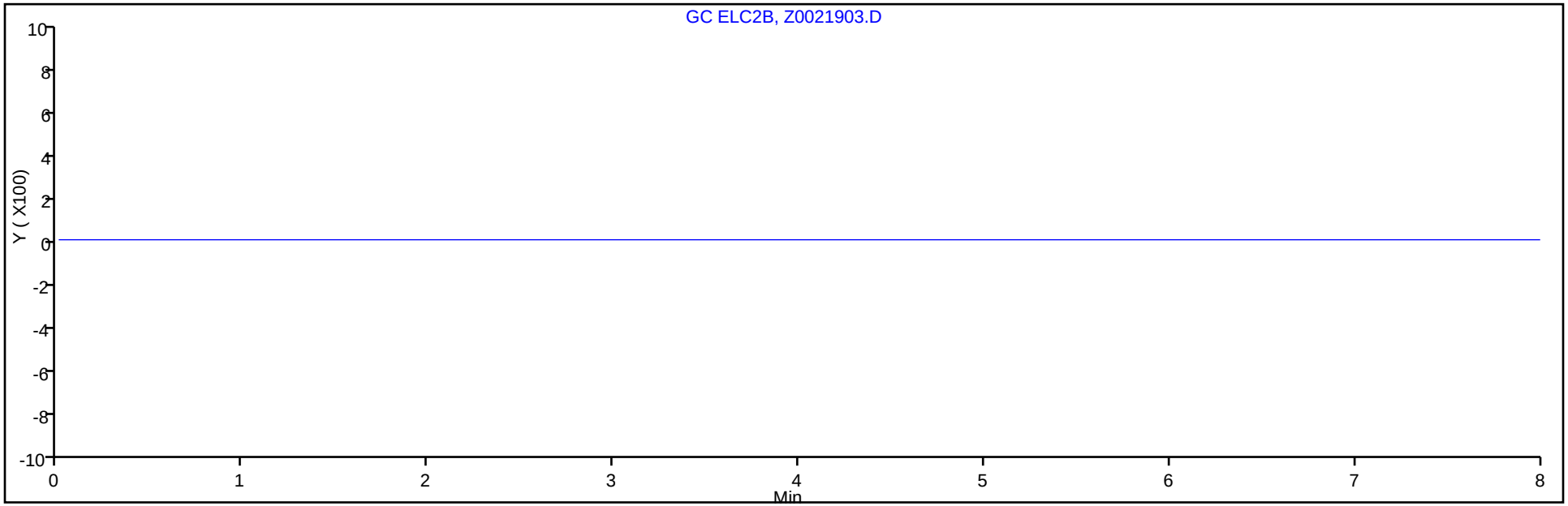
Report Date: 20-Feb-2013 11:22:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

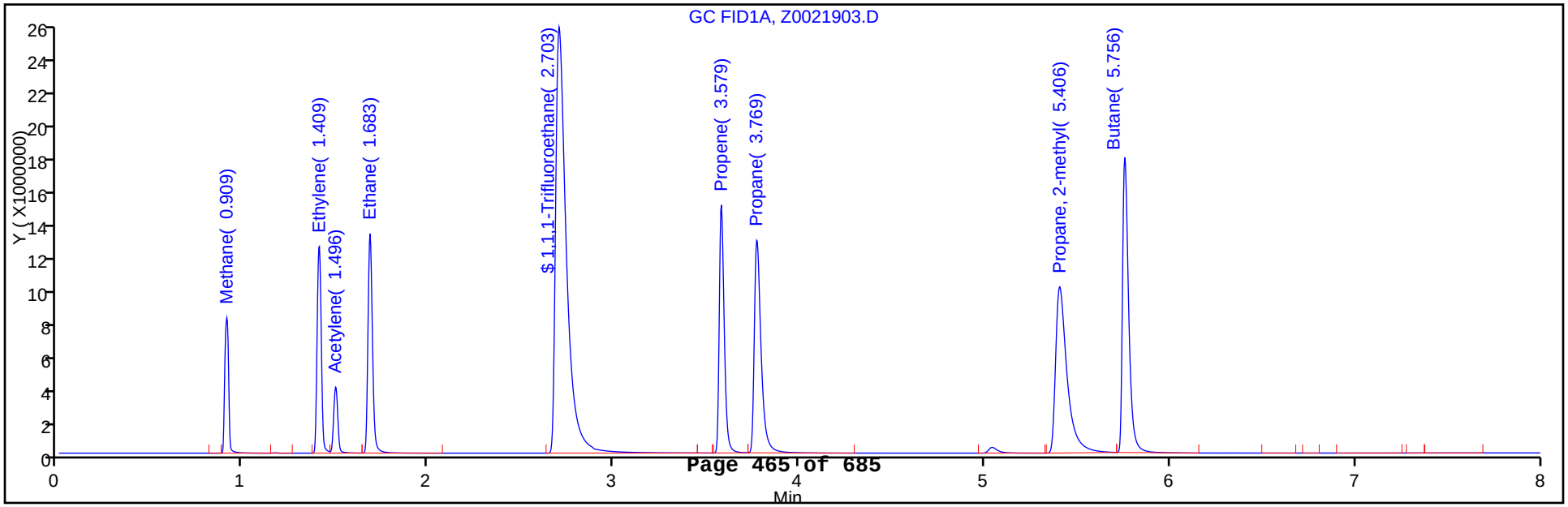
Data File: \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021903.D

| | | | |
|---|---|---|---|
| Injection Date: | 19-Feb-2013 11:28:21 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75709 | Lims Sample ID: | 3 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-75041/3

Matrix: Water Lab File ID: Z0021203.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 14:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 113 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021203.D
Lims ID: MB Client ID:
Inject. Date: 12-Feb-2013 14:11:32 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017292-003
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | | 0.910 | | | | |
| 4 Ethylene | | | | | | 1 |
| 2 | | 1.406 | | | | |
| 5 Acetylene | | | | | | 1 |
| 2 | | 1.496 | | | | |
| 6 Ethane | | | | | | 1 |
| 2 | | 1.680 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.704 | 2.703 | 0.001 | 112406350 | 2965.7 | |
| 8 Propene | | | | | | 1 |
| 2 | | 3.576 | | | | |
| 9 Propane | | | | | | |
| 2 | | 3.766 | | | | |
| 10 Propane, 2-methyl | | | | | | 1 |
| 2 | | 5.400 | | | | |
| 11 Butane | | | | | | |
| 2 | 5.774 | 5.753 | 0.021 | 2447 | 1.74 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| $ 3 Nitrous Oxide (Surr) | | | | | | 1 |
| 1 | | 6.804 | | | | |
| 12 Pentane | | | | | | |
| 2 | | 7.340 | | | | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

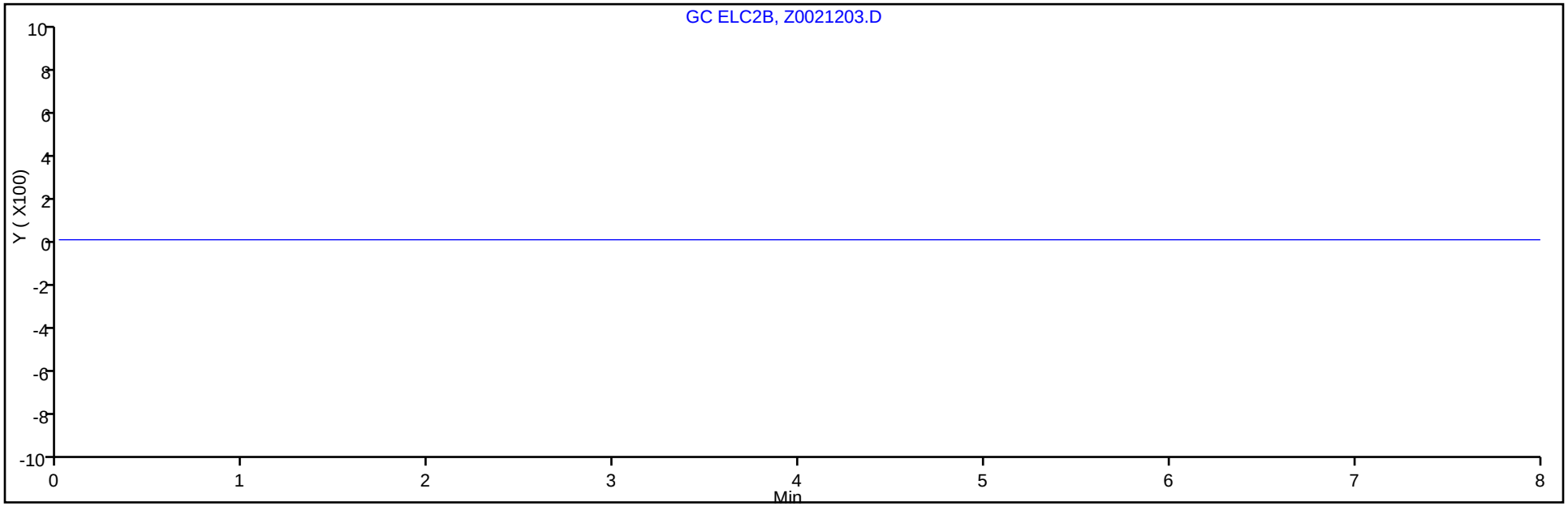
Report Date: 13-Feb-2013 09:07:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

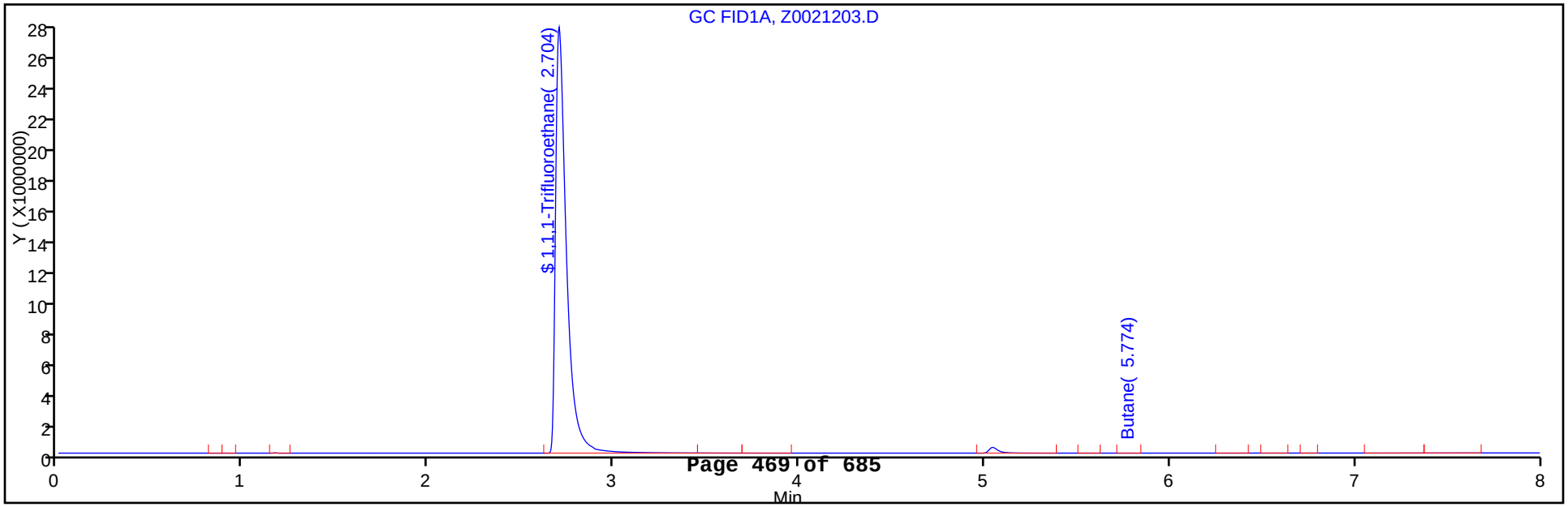
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021203.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 14:11:32 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 3 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-75339/3

Matrix: Water Lab File ID: Z0021403.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 16:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 116 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021403.D
Lims ID: MB Client ID:
Inject. Date: 14-Feb-2013 16:04:04 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017349-003
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 3
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 7155 | 0.0636 | |
| 4 Ethylene | | | | | | 1 |
| 2 | | 1.409 | | | | |
| 5 Acetylene | | | | | | 1 |
| 2 | | 1.499 | | | | |
| 6 Ethane | | | | | | |
| 2 | | 1.683 | | | | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 115374460 | 3044.0 | |
| 8 Propene | | | | | | 1 |
| 2 | | 3.579 | | | | |
| 9 Propane | | | | | | 1 |
| 2 | | 3.773 | | | | |
| 10 Propane, 2-methyl | | | | | | 1 |
| 2 | | 5.406 | | | | |
| 11 Butane | | | | | | |
| 2 | 5.773 | 5.759 | 0.014 | 2446 | 1.74 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| $ 3 Nitrous Oxide (Surr) | | | | | | 1 |
| 1 | | 6.804 | | | | |
| 12 Pentane | | | | | | |
| 2 | | 7.343 | | | | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

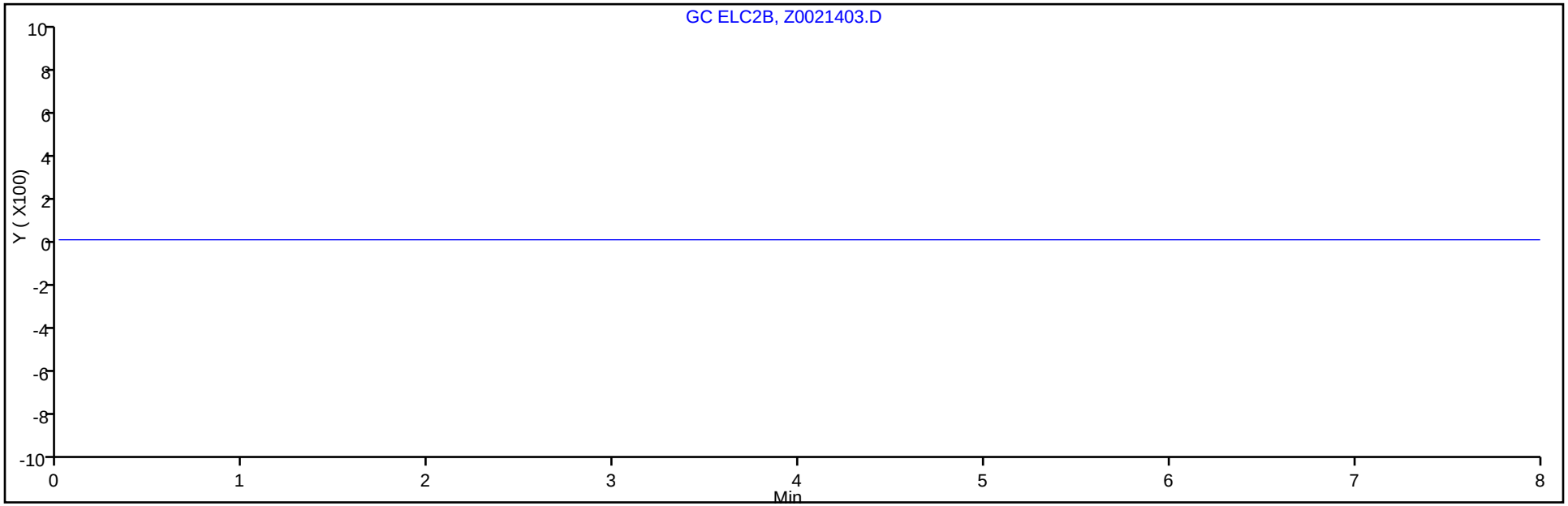
Report Date: 15-Feb-2013 10:11:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

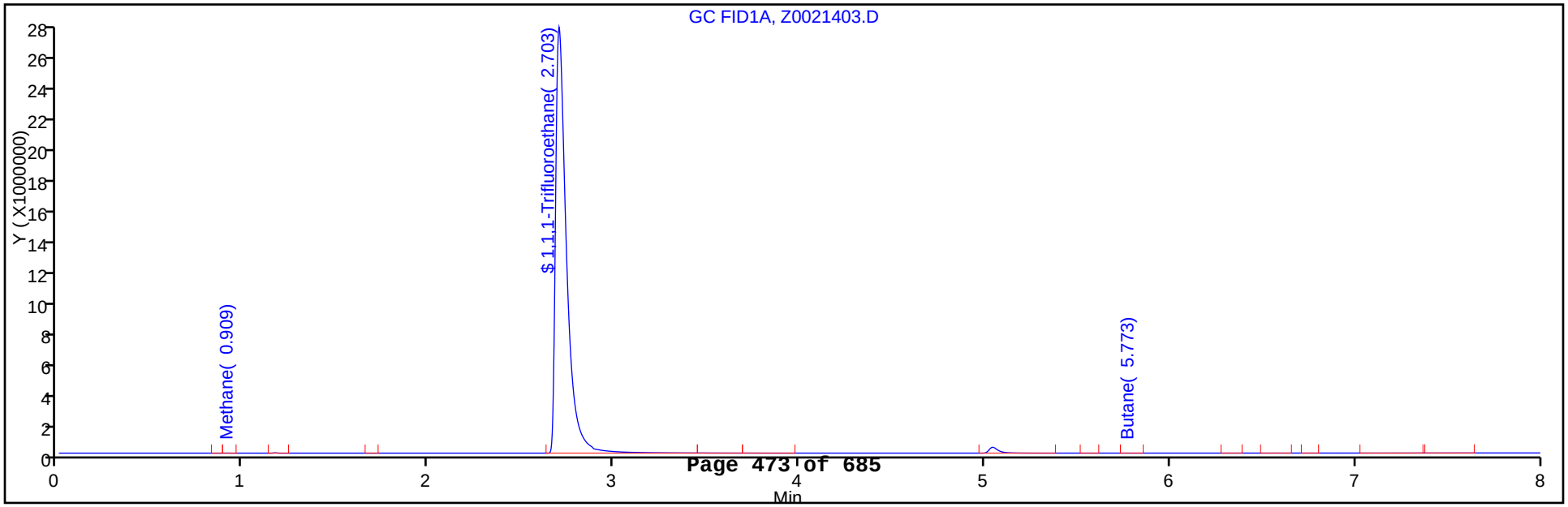
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021403.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 16:04:04 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 3 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-75709/4

Matrix: Water Lab File ID: Z0021904.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/19/2013 11:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | ND | | 0.50 | 0.098 |
| 74-84-0 | Ethane | ND | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | ND | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 114 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021904.D
Lims ID: MB Client ID:
Inject. Date: 19-Feb-2013 11:40:34 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0017427-004
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75709 Lims Sample ID: 4
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130219-17427.b\RSK175.m
Last Update: 20-Feb-2013 11:22:34 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK009

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.911 | 0.909 | 0.002 | 7134 | 0.0635 | |
| 2 Ethylene | | | | | | 1 |
| 2 | | 1.409 | | | | |
| 3 Acetylene | | | | | | 1 |
| 2 | | 1.496 | | | | |
| 4 Ethane | | | | | | |
| 2 | | 1.683 | | | | |
| $ 5 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.701 | 2.703 | -0.002 | 113614065 | 2997.6 | |
| 6 Propene | | | | | | 1 |
| 2 | | 3.579 | | | | |
| 7 Propane | | | | | | 1 |
| 2 | | 3.769 | | | | |
| 8 Propane, 2-methyl | | | | | | 1 |
| 2 | | 5.406 | | | | |
| 9 Butane | | | | | | |
| 2 | 5.771 | 5.756 | 0.015 | 2351 | 1.74 | |
| 10 Pentane | | | | | | |
| 2 | | 7.347 | | | | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

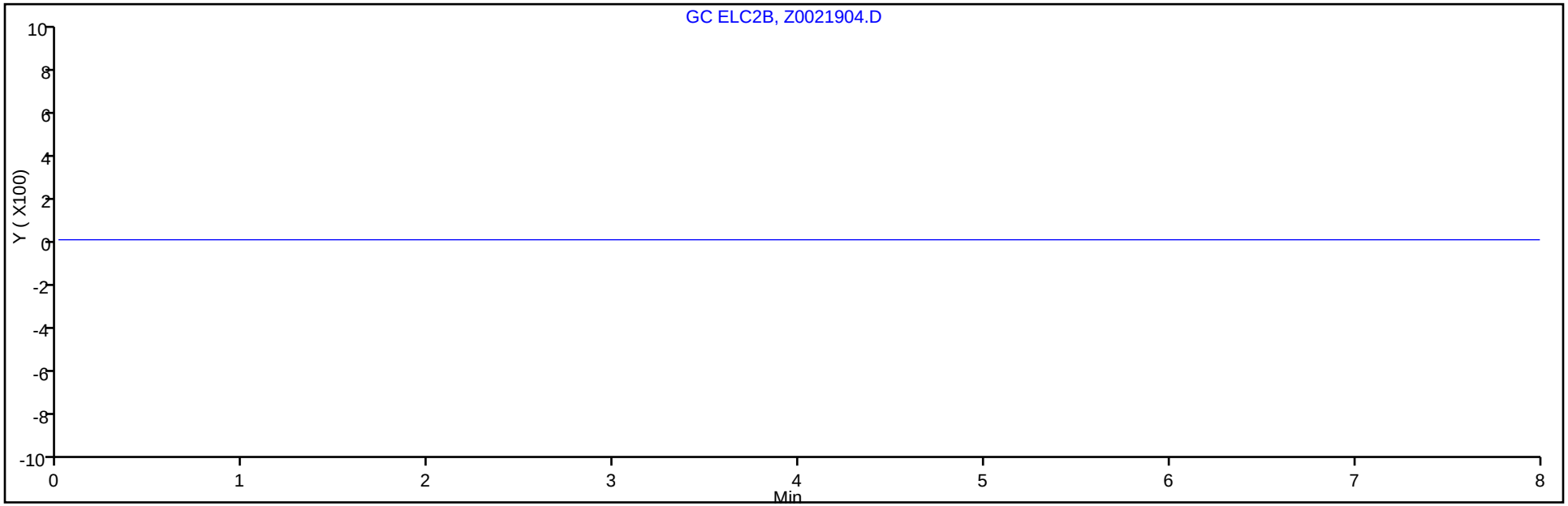
Report Date: 20-Feb-2013 11:22:35 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

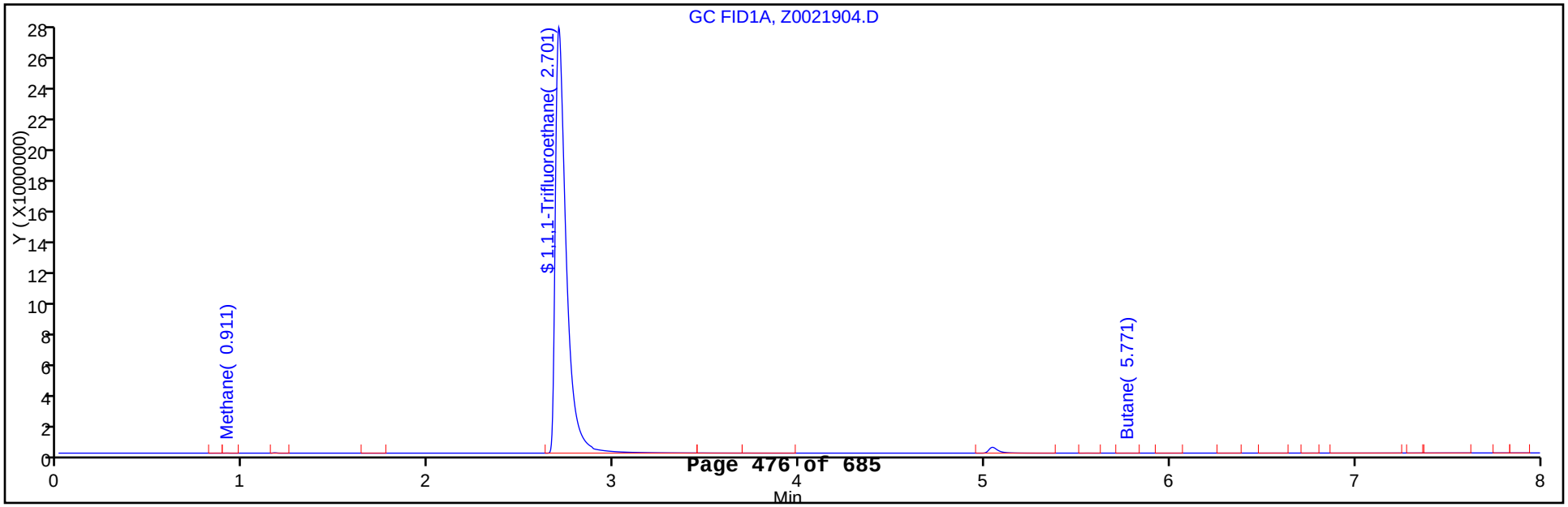
Data File: \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021904.D

| | | | |
|---|---|---|---|
| Injection Date: | 19-Feb-2013 11:40:34 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75709 | Lims Sample ID: | 4 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-75041/4

Matrix: Water Lab File ID: Z0021204.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/12/2013 14:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75041 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 108 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 220 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 209 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 110 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021204.D
Lims ID: LCS Client ID:
Inject. Date: 12-Feb-2013 14:23:46 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017292-004
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75041 Lims Sample ID: 4
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130212-17292.b\RSK175.m
Last Update: 13-Feb-2013 09:07:31 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK033

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.910 | -0.001 | 12160594 | 108.2 | |
| 4 Ethylene | | | | | | |
| 2 | 1.409 | 1.406 | 0.003 | 19650802 | 208.8 | |
| 5 Acetylene | | | | | | |
| 2 | 1.495 | 1.496 | -0.001 | 5853573 | 216.7 | |
| 6 Ethane | | | | | | |
| 2 | 1.682 | 1.680 | 0.002 | 22620043 | 219.6 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.702 | 2.703 | -0.001 | 101947606 | 2689.8 | |
| 8 Propene | | | | | | |
| 2 | 3.579 | 3.576 | 0.003 | 27231711 | 320.1 | |
| 9 Propane | | | | | | |
| 2 | 3.772 | 3.766 | 0.006 | 33171471 | 325.7 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.402 | 5.400 | 0.002 | 43838110 | 437.6 | |
| 11 Butane | | | | | | |
| 2 | 5.755 | 5.753 | 0.002 | 38957045 | 367.4 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.329 | 7.340 | -0.011 | 33914741 | 899.1 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

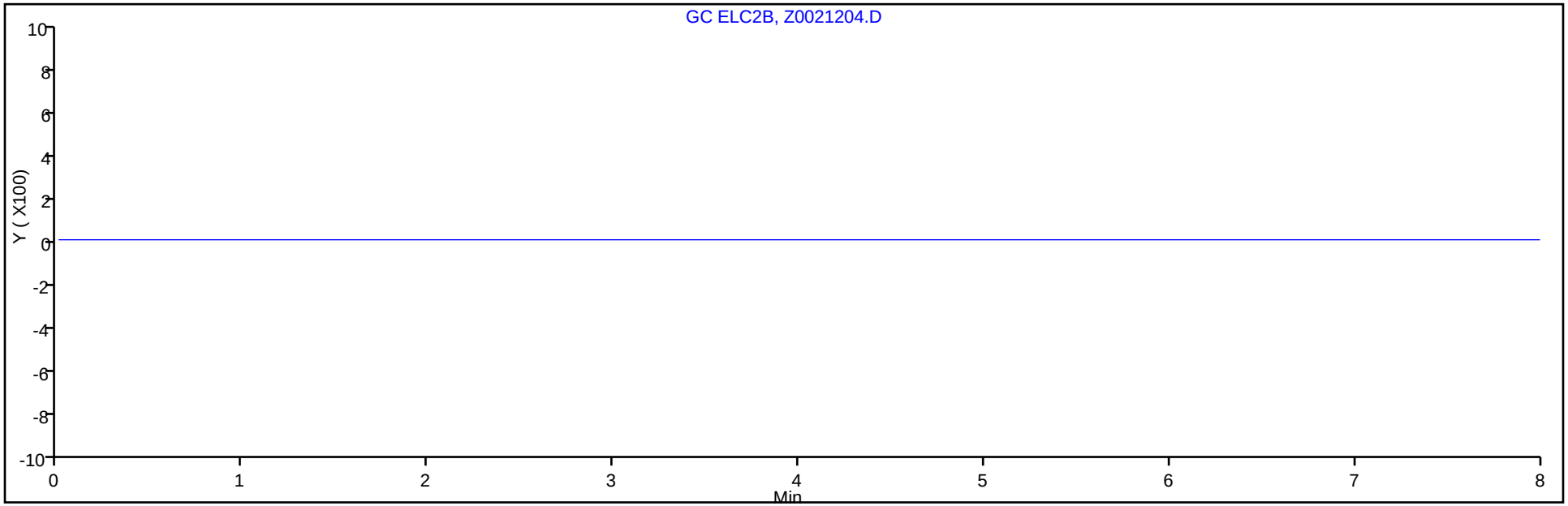
Report Date: 13-Feb-2013 09:07:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

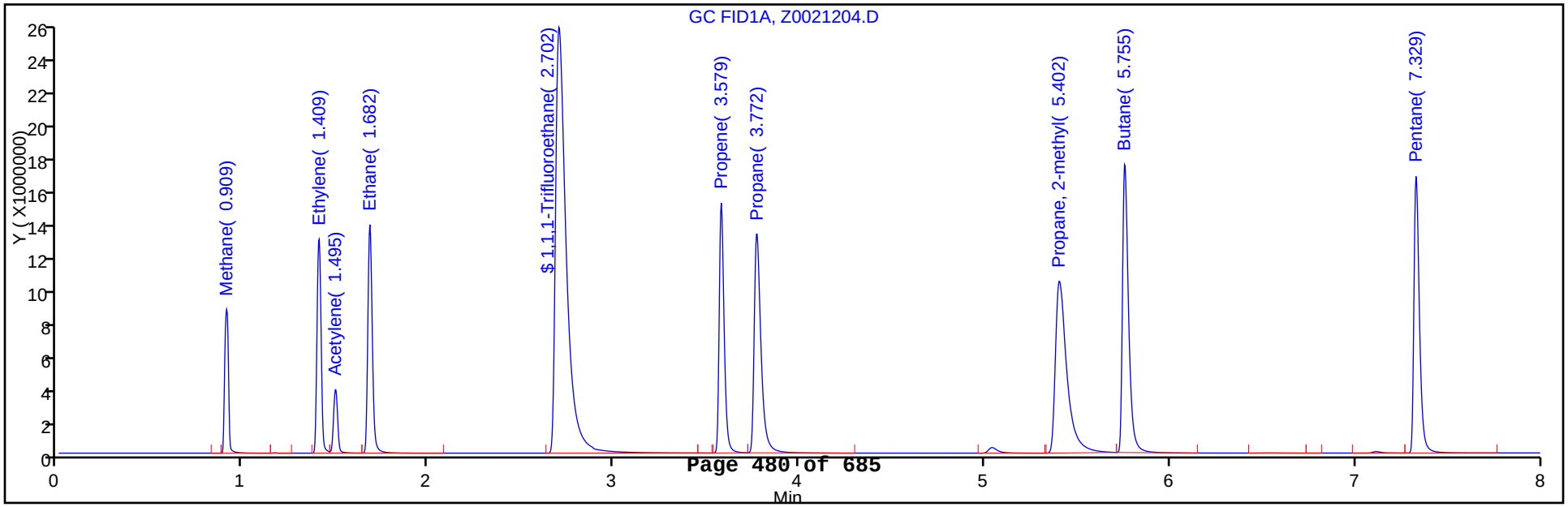
Data File: \\Ncchrom\ChromData\ZPID\20130212-17292.b\Z0021204.D

| | | | |
|---|---|---|---|
| Injection Date: | 12-Feb-2013 14:23:46 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75041 | Lims Sample ID: | 4 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-75339/4

Matrix: Water Lab File ID: Z0021404.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 16:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 109 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 223 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 215 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 115 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021404.D
Lims ID: LCS Client ID:
Inject. Date: 14-Feb-2013 16:16:17 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017349-004
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 4
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.909 | 0.909 | 0.000 | 12288744 | 109.3 | |
| 4 Ethylene | | | | | | |
| 2 | 1.406 | 1.409 | -0.003 | 20236166 | 215.1 | |
| 5 Acetylene | | | | | | |
| 2 | 1.496 | 1.499 | -0.003 | 6502557 | 240.7 | |
| 6 Ethane | | | | | | |
| 2 | 1.683 | 1.683 | 0.000 | 22991589 | 223.3 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 105969020 | 2795.9 | |
| 8 Propene | | | | | | |
| 2 | 3.580 | 3.579 | 0.001 | 28228063 | 331.8 | |
| 9 Propane | | | | | | |
| 2 | 3.770 | 3.773 | -0.003 | 33682464 | 330.7 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.406 | -0.003 | 44402347 | 443.2 | |
| 11 Butane | | | | | | |
| 2 | 5.756 | 5.759 | -0.003 | 39471952 | 372.3 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.329 | 7.343 | -0.014 | 33887372 | 898.4 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

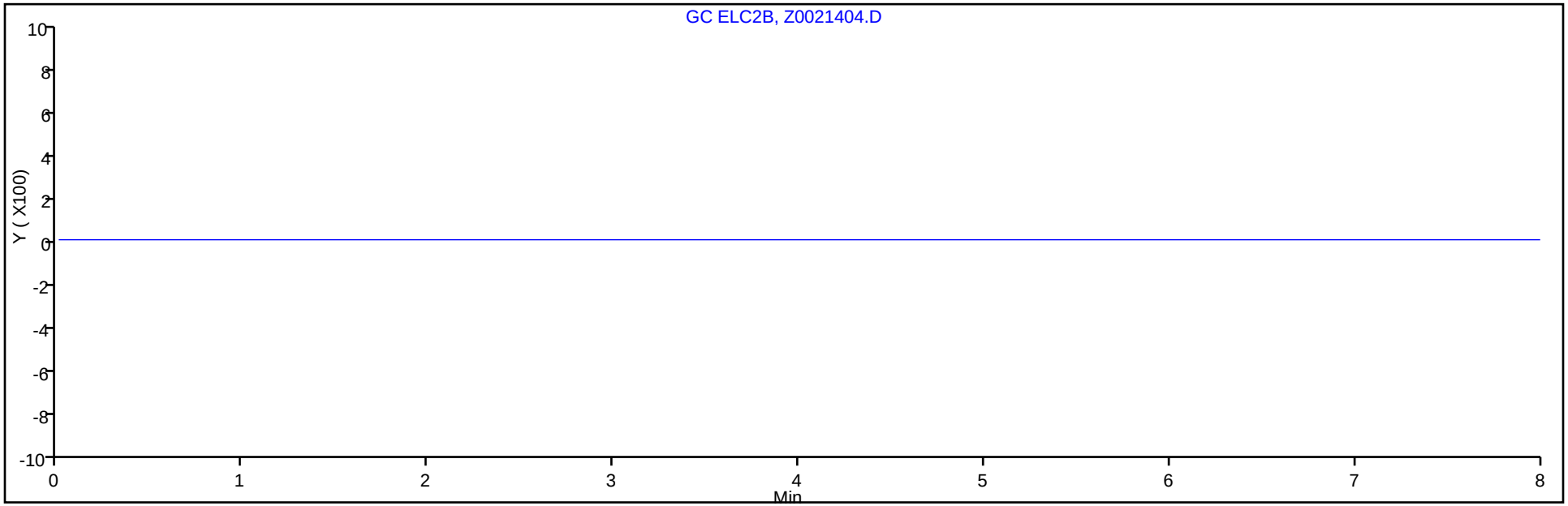
Report Date: 15-Feb-2013 10:11:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

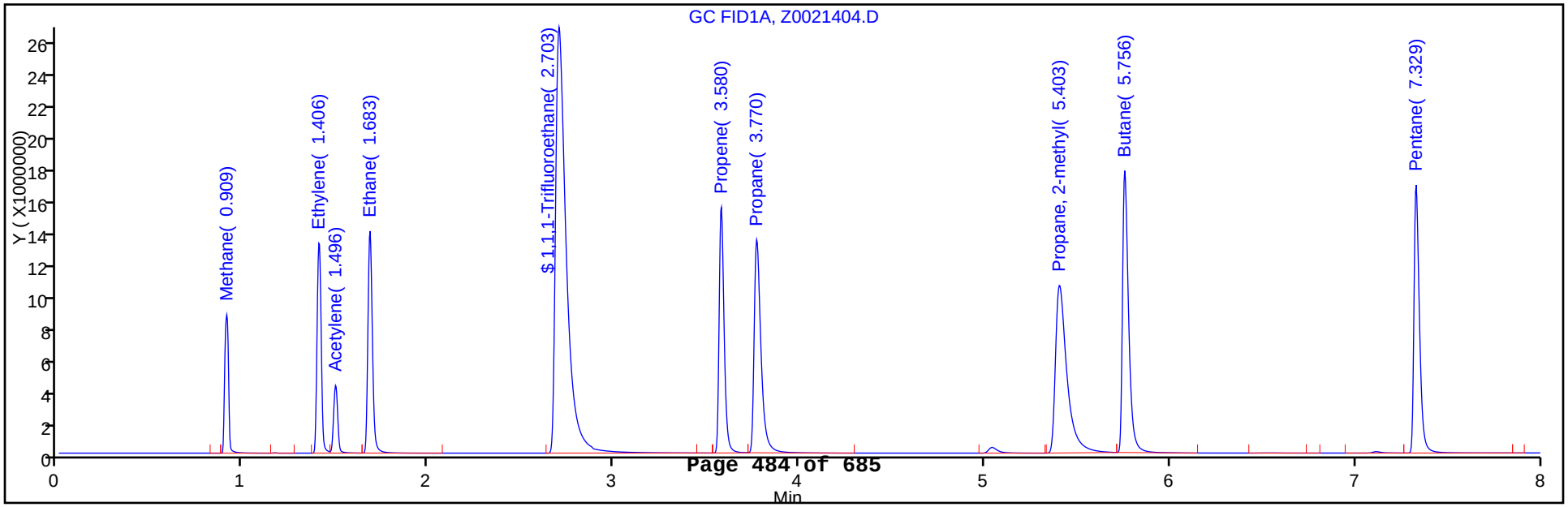
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021404.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 16:16:17 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 4 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-75339/5

Matrix: Water Lab File ID: Z0021405.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 16:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 94.7 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 193 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 185 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 97 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021405.D
Lims ID: LCS Client ID:
Inject. Date: 14-Feb-2013 16:28:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017349-005
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 5
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.913 | 0.909 | 0.004 | 10649434 | 94.7 | |
| 4 Ethylene | | | | | | |
| 2 | 1.410 | 1.409 | 0.001 | 17428665 | 185.2 | |
| 5 Acetylene | | | | | | |
| 2 | 1.500 | 1.499 | 0.001 | 5510732 | 204.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.686 | 1.683 | 0.003 | 19899104 | 193.2 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.706 | 2.703 | 0.003 | 89502902 | 2361.4 | |
| 8 Propene | | | | | | |
| 2 | 3.556 | 3.579 | -0.023 | 24293466 | 285.6 | |
| 9 Propane | | | | | | |
| 2 | 3.756 | 3.773 | -0.017 | 29159916 | 286.3 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.406 | -0.003 | 38455790 | 383.9 | |
| 11 Butane | | | | | | |
| 2 | 5.756 | 5.759 | -0.003 | 34106110 | 321.9 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.330 | 7.343 | -0.013 | 30388625 | 805.6 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

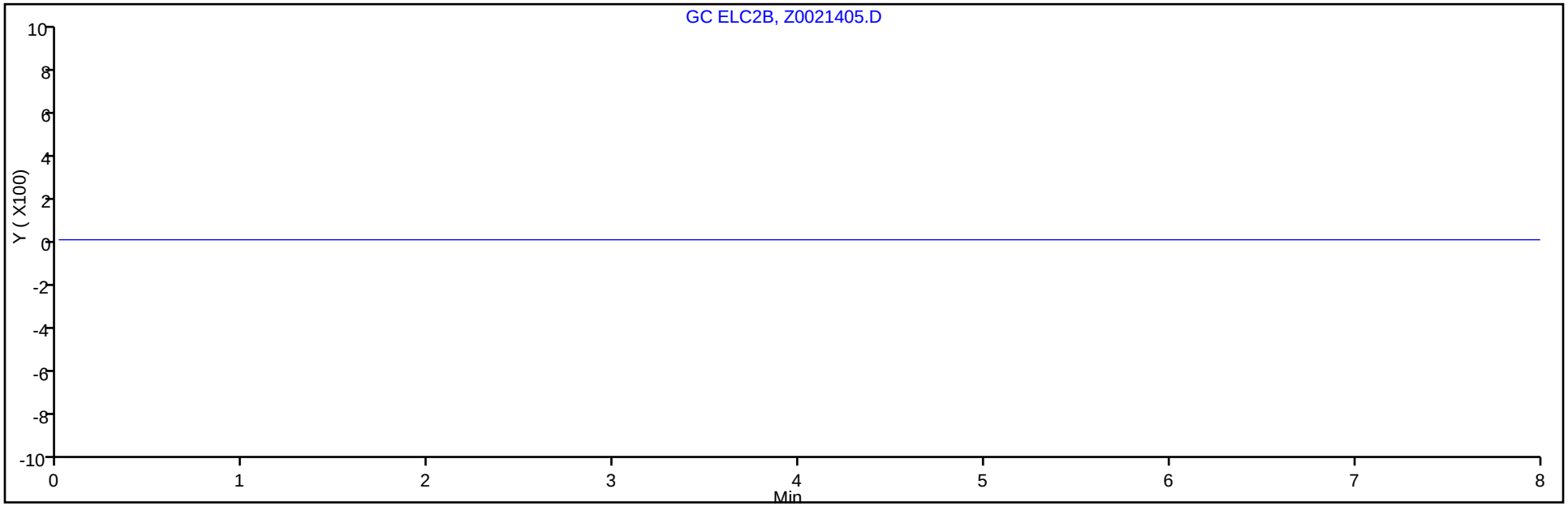
Report Date: 15-Feb-2013 10:11:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

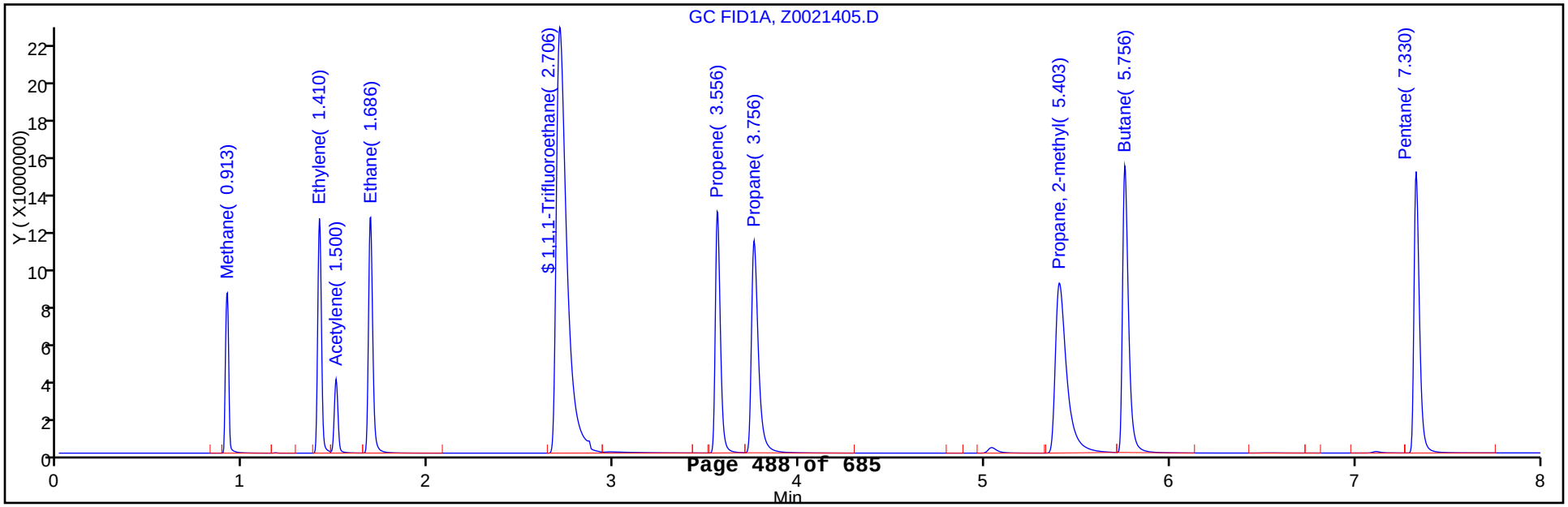
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021405.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 16:28:30 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 5 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-75339/6

Matrix: Water Lab File ID: Z0021406.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 16:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 108 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 221 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 210 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 111 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021406.D
Lims ID: LCS Client ID:
Inject. Date: 14-Feb-2013 16:40:44 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017349-006
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 6
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.908 | 0.909 | -0.001 | 12181139 | 108.4 | |
| 4 Ethylene | | | | | | |
| 2 | 1.408 | 1.409 | -0.001 | 19742924 | 209.8 | |
| 5 Acetylene | | | | | | |
| 2 | 1.498 | 1.499 | -0.001 | 6112433 | 226.3 | |
| 6 Ethane | | | | | | |
| 2 | 1.681 | 1.683 | -0.002 | 22730190 | 220.7 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.701 | 2.703 | -0.002 | 102520536 | 2704.9 | |
| 8 Propene | | | | | | |
| 2 | 3.578 | 3.579 | -0.001 | 27466491 | 322.9 | |
| 9 Propane | | | | | | |
| 2 | 3.768 | 3.773 | -0.005 | 33331342 | 327.2 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.405 | 5.406 | -0.001 | 44019732 | 439.4 | |
| 11 Butane | | | | | | |
| 2 | 5.755 | 5.759 | -0.004 | 38985438 | 367.7 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.328 | 7.343 | -0.015 | 34817944 | 923.1 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

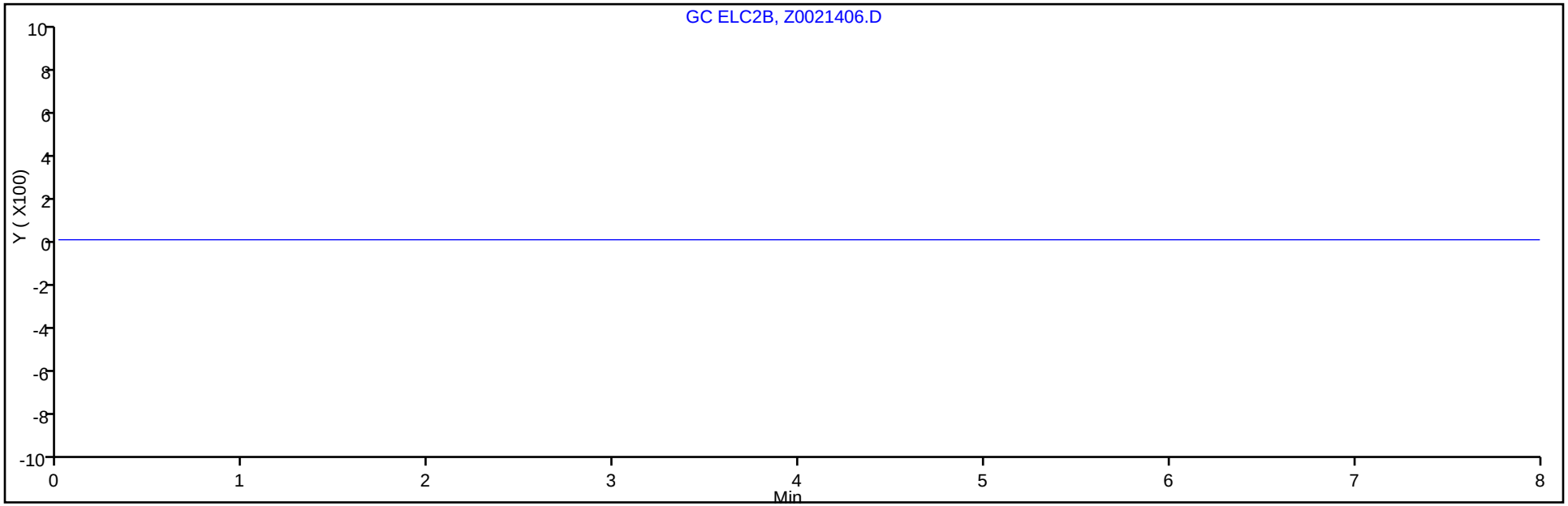
Report Date: 15-Feb-2013 10:11:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

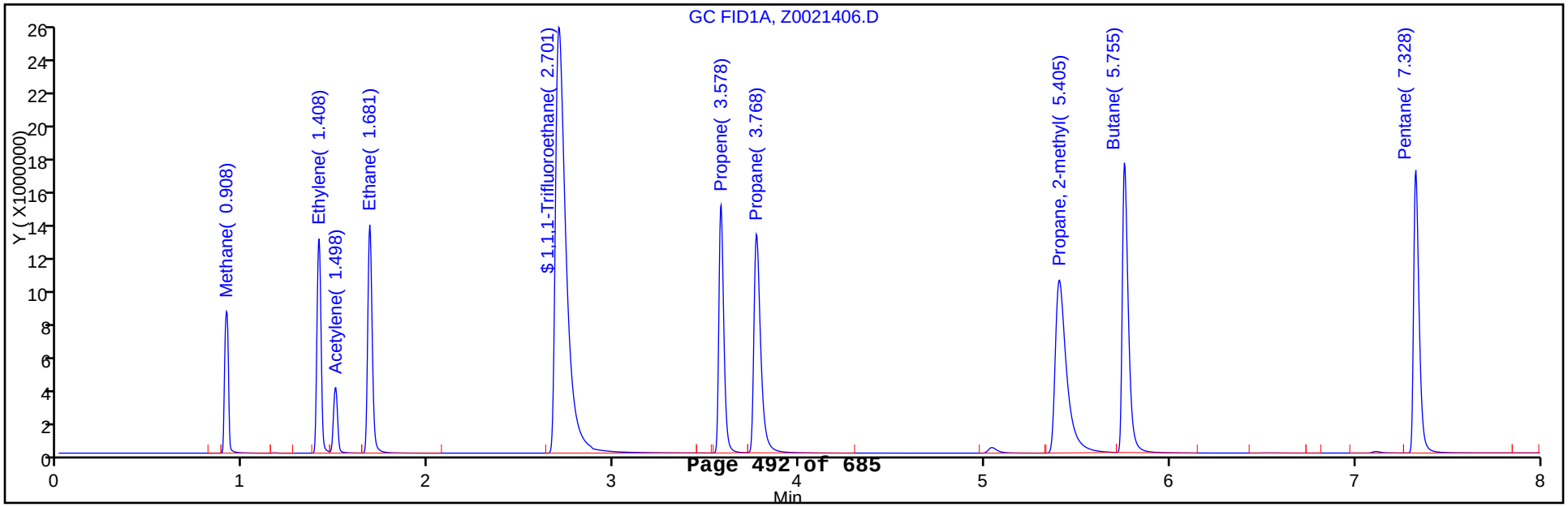
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021406.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 16:40:44 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 6 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-75339/7

Matrix: Water Lab File ID: Z0021407.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/14/2013 16:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75339 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 107 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 217 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 205 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 108 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021407.D
Lims ID: LCS Client ID:
Inject. Date: 14-Feb-2013 16:52:57 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017349-007
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 7
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.910 | 0.909 | 0.001 | 11981750 | 106.6 | |
| 4 Ethylene | | | | | | |
| 2 | 1.406 | 1.409 | -0.003 | 19246780 | 204.6 | |
| 5 Acetylene | | | | | | |
| 2 | 1.496 | 1.499 | -0.003 | 5861889 | 217.0 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.683 | -0.003 | 22328617 | 216.8 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 99743997 | 2631.6 | |
| 8 Propene | | | | | | |
| 2 | 3.576 | 3.579 | -0.003 | 26748199 | 314.4 | |
| 9 Propane | | | | | | |
| 2 | 3.770 | 3.773 | -0.003 | 32780380 | 321.8 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.406 | -0.003 | 43341080 | 432.7 | |
| 11 Butane | | | | | | |
| 2 | 5.756 | 5.759 | -0.003 | 38368666 | 361.9 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.326 | 7.343 | -0.017 | 34312998 | 909.7 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

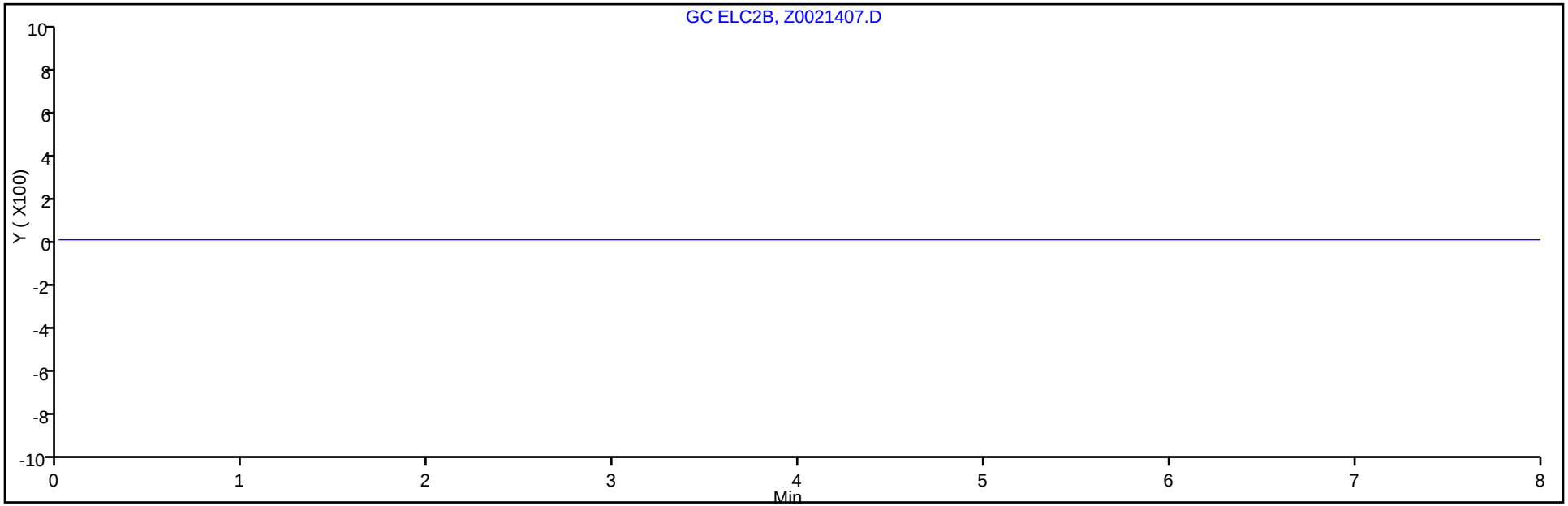
Report Date: 15-Feb-2013 10:11:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

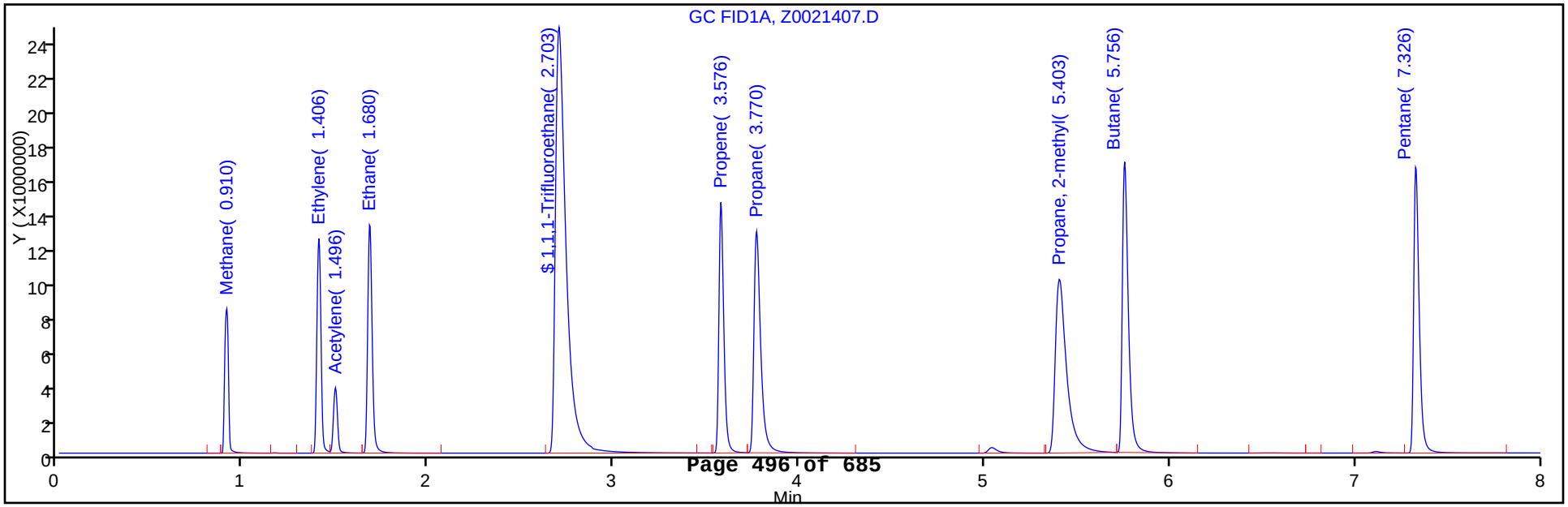
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021407.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 16:52:57 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 7 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-75709/5

Matrix: Water Lab File ID: Z0021905.D

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 17(mL) Date Analyzed: 02/19/2013 11:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 112 | | 0.50 | 0.098 |
| 74-84-0 | Ethane | 233 | | 0.50 | 0.10 |
| 74-85-1 | Ethylene | 222 | | 0.50 | 0.37 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 112 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021905.D
Lims ID: LCS Client ID:
Inject. Date: 19-Feb-2013 11:52:47 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0017427-005
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75709 Lims Sample ID: 5
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130219-17427.b\RSK175.m
Last Update: 20-Feb-2013 11:22:34 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK009

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.908 | 0.909 | -0.001 | 12562370 | 111.7 | |
| 2 Ethylene | | | | | | |
| 2 | 1.408 | 1.409 | -0.001 | 20905380 | 222.2 | |
| 3 Acetylene | | | | | | |
| 2 | 1.498 | 1.496 | 0.002 | 6521568 | 241.4 | |
| 4 Ethane | | | | | | |
| 2 | 1.681 | 1.683 | -0.002 | 23948401 | 232.5 | |
| $ 5 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.701 | 2.703 | -0.002 | 103166938 | 2721.9 | |
| 6 Propene | | | | | | |
| 2 | 3.578 | 3.579 | -0.001 | 29133412 | 342.4 | |
| 7 Propane | | | | | | |
| 2 | 3.768 | 3.769 | -0.001 | 35147159 | 345.1 | |
| 8 Propane, 2-methyl | | | | | | |
| 2 | 5.401 | 5.406 | -0.005 | 46401205 | 463.2 | |
| 9 Butane | | | | | | |
| 2 | 5.755 | 5.756 | -0.001 | 40374809 | 380.7 | |
| 10 Pentane | | | | | | |
| 2 | 7.328 | 7.347 | -0.019 | 33273422 | 882.1 | E |

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

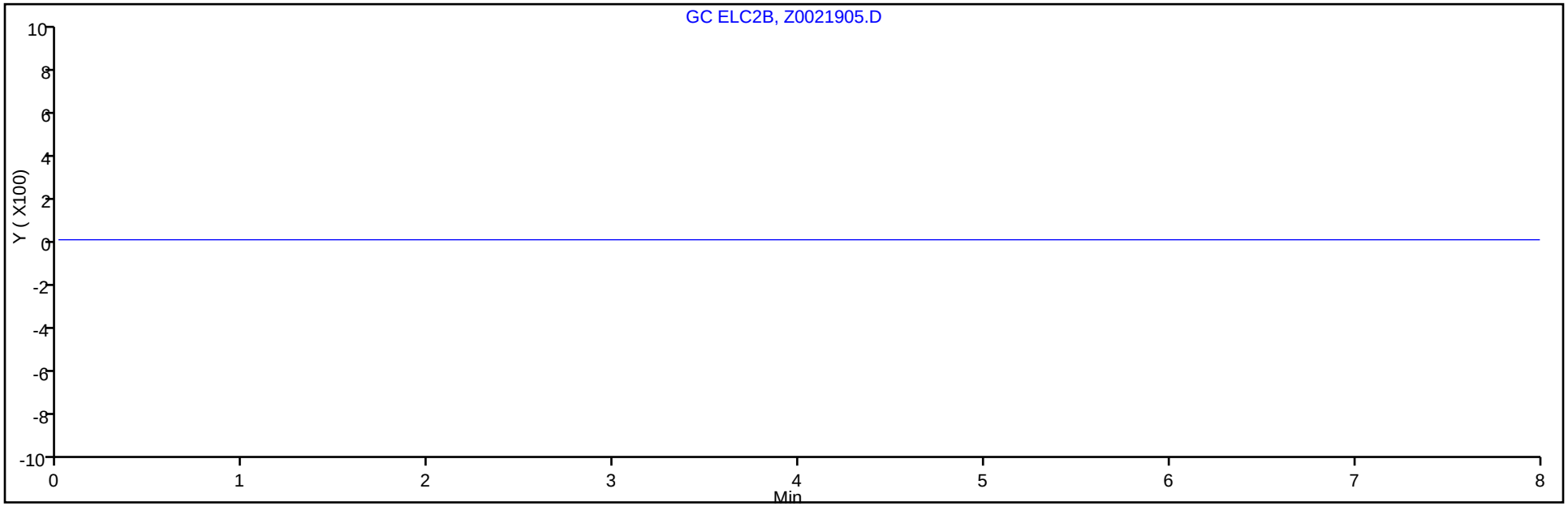
Report Date: 20-Feb-2013 11:22:36 Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

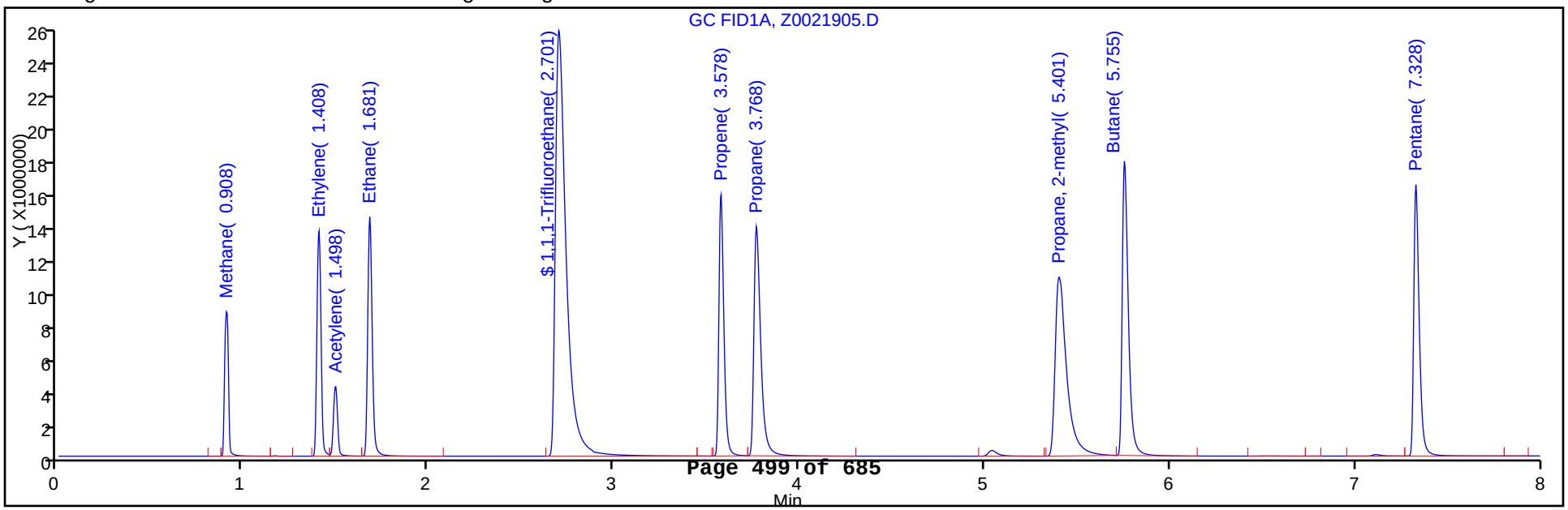
Data File: \\Ncchrom\ChromData\ZPID\20130219-17427.b\Z0021905.D

| | | | |
|---|---|---|---|
| Injection Date: | 19-Feb-2013 11:52:47 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75709 | Lims Sample ID: | 5 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-10R MS | Lab Sample ID: 240-20928-2 MS

Matrix: Water | Lab File ID: Z0021412.D

Analysis Method: RSK-175 | Date Collected: 02/08/2013 09:55

Sample wt/vol: 17(mL) | Date Analyzed: 02/14/2013 17:54

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75339 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 3210 | | 2.5 | 0.49 |
| 74-84-0 | Ethane | 1040 | | 2.5 | 0.50 |
| 74-85-1 | Ethylene | 953 | | 2.5 | 1.9 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 99 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021412.D
Lims ID: 240-20928-D-2 MS Client ID:
Inject. Date: 14-Feb-2013 17:54:04 Dil. Factor: 5.0000
Sample Type: MS
Sample ID: 240-0017349-012
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 12
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.906 | 0.909 | -0.003 | 72253946 | 642.7 | |
| 4 Ethylene | | | | | | |
| 2 | 1.406 | 1.409 | -0.003 | 17927345 | 190.5 | |
| 5 Acetylene | | | | | | |
| 2 | 1.496 | 1.499 | -0.003 | 5408417 | 200.2 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.683 | -0.003 | 21358453 | 207.4 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 91310020 | 2409.1 | |
| 8 Propene | | | | | | |
| 2 | 3.576 | 3.579 | -0.003 | 24804084 | 291.6 | |
| 9 Propane | | | | | | |
| 2 | 3.770 | 3.773 | -0.003 | 31502069 | 309.3 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.406 | -0.003 | 41923011 | 418.5 | |
| 11 Butane | | | | | | |
| 2 | 5.756 | 5.759 | -0.003 | 36940198 | 348.5 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.326 | 7.343 | -0.017 | 32966981 | 874.0 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

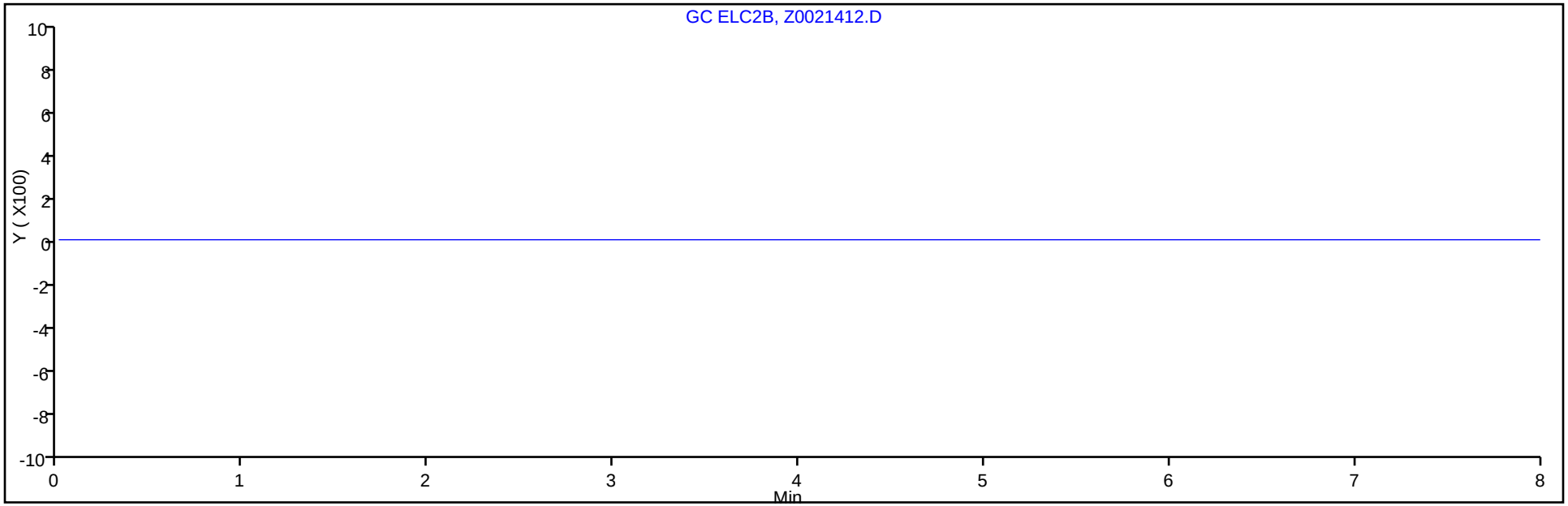
Report Date: 15-Feb-2013 10:11:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

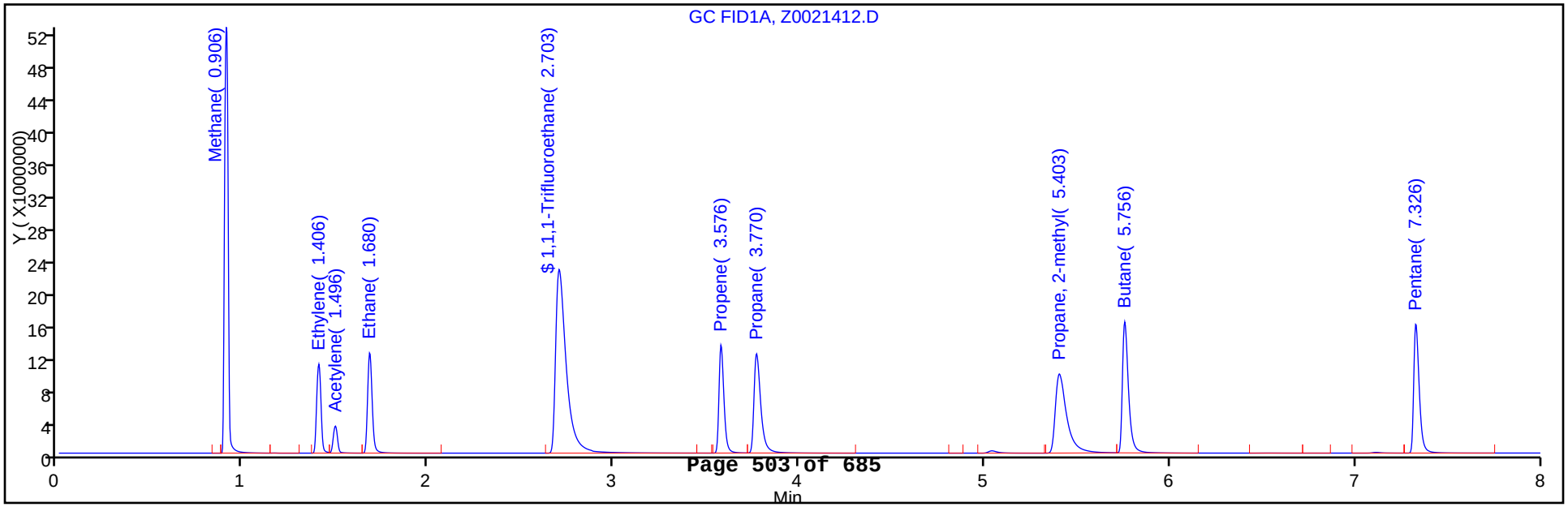
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021412.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 17:54:04 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 12 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-20928-1

SDG No.:

Client Sample ID: OW-10R MSD | Lab Sample ID: 240-20928-2 MSD

Matrix: Water | Lab File ID: Z0021413.D

Analysis Method: RSK-175 | Date Collected: 02/08/2013 09:55

Sample wt/vol: 17(mL) | Date Analyzed: 02/14/2013 18:06

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75339 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 74-82-8 | Methane | 3240 | | 2.5 | 0.49 |
| 74-84-0 | Ethane | 1060 | | 2.5 | 0.50 |
| 74-85-1 | Ethylene | 972 | | 2.5 | 1.9 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 420-46-2 | 1,1,1-Trifluoroethane | 99 | | 40-122 |

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021413.D
Lims ID: 240-20928-D-2 MSD Client ID:
Inject. Date: 14-Feb-2013 18:06:18 Dil. Factor: 5.0000
Sample Type: MSD
Sample ID: 240-0017349-013
Misc. Info.:
Operator: 402582 Instrument ID: ZPID
Purge Vol: 1.000 mL ALS Bottle#: 1
Lims Batch ID: 75339 Lims Sample ID: 13
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\ZPID\20130214-17349.b\RSK175.m
Last Update: 15-Feb-2013 10:11:28 Calib Date: 18-Jan-2013 16:58:13
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\ZPID\20130118-16705.b\Z0011810.D
Limit Group: GCV RSK 175 ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

| Det | RT | EXP RT | DLT RT | Response | On-Col Amt ug/l | Flags |
|---|---|---|---|---|---|---|
| 1 Methane | | | | | | |
| 2 | 0.906 | 0.909 | -0.003 | 72811561 | 647.7 | |
| 4 Ethylene | | | | | | |
| 2 | 1.406 | 1.409 | -0.003 | 18284965 | 194.3 | |
| 5 Acetylene | | | | | | |
| 2 | 1.496 | 1.499 | -0.003 | 5571688 | 206.3 | |
| 6 Ethane | | | | | | |
| 2 | 1.680 | 1.683 | -0.003 | 21822157 | 211.9 | |
| $ 7 1,1,1-Trifluoroethane | | | | | | |
| 2 | 2.703 | 2.703 | 0.000 | 91714263 | 2419.8 | |
| 8 Propene | | | | | | |
| 2 | 3.576 | 3.579 | -0.003 | 25250340 | 296.8 | |
| 9 Propane | | | | | | |
| 2 | 3.770 | 3.773 | -0.003 | 32152803 | 315.7 | |
| 10 Propane, 2-methyl | | | | | | |
| 2 | 5.403 | 5.406 | -0.003 | 42755129 | 426.8 | |
| 11 Butane | | | | | | |
| 2 | 5.756 | 5.759 | -0.003 | 37696536 | 355.6 | |
| 2 Carbon dioxide | | | | | | 1 |
| 1 | | 6.377 | | | | |
| 12 Pentane | | | | | | |
| 2 | 7.326 | 7.343 | -0.017 | 33782769 | 895.6 | E |

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

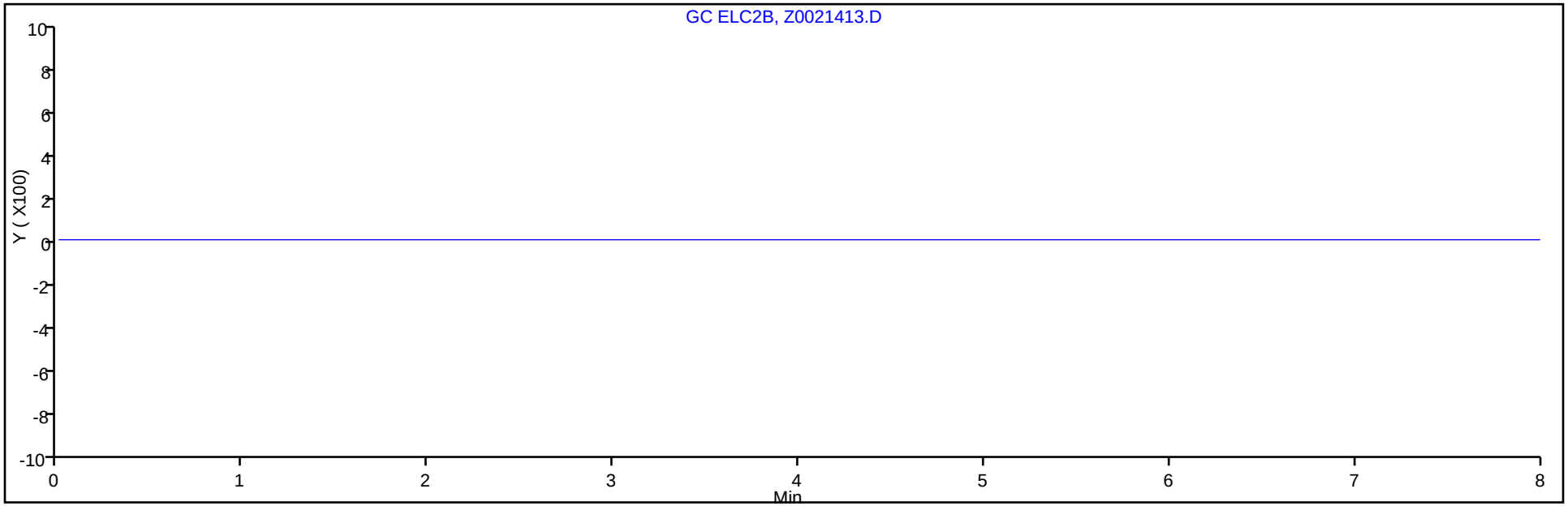
Report Date: 15-Feb-2013 10:11:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

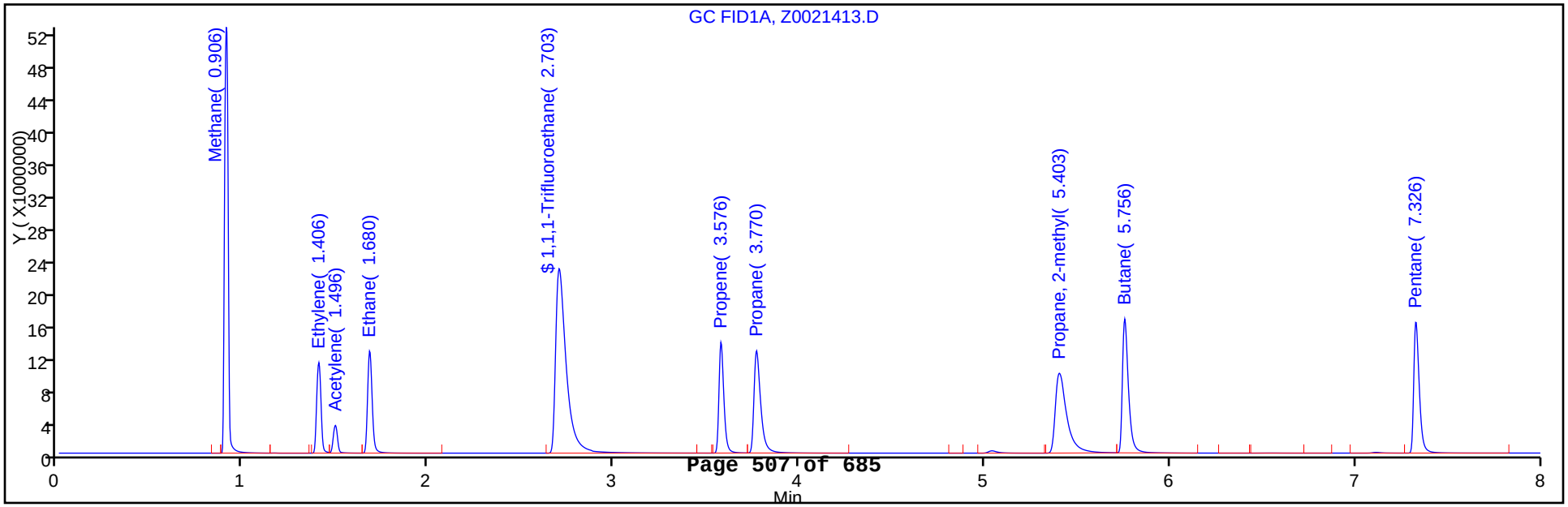
Data File: \\Ncchrom\ChromData\ZPID\20130214-17349.b\Z0021413.D

| | | | |
|---|---|---|---|
| Injection Date: | 14-Feb-2013 18:06:18 | Limit Group: | GCV RSK 175 ICAL |
| Client ID: | | Instrument ID: | ZPID |
| Lims Batch ID: | 75339 | Lims Sample ID: | 13 |
| Operator ID: | 402582 | Purge Vol: | 1.000 mL |
| Column Type: | | Column Dia: | |

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2




Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: ZPID Start Date: 01/18/2013 15:20

Analysis Batch Number: 72560 End Date: 01/18/2013 17:10

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| STD1 240-72560/2 IC | | 01/18/2013 15:20 | 1 | Z0011802.D | |
| STD2 240-72560/3 IC | | 01/18/2013 15:32 | 1 | Z0011803.D | |
| STD3 240-72560/4 IC | | 01/18/2013 15:44 | 1 | Z0011804.D | |
| STD4 240-72560/5 IC | | 01/18/2013 15:57 | 1 | Z0011805.D | |
| STD5 240-72560/6 IC | | 01/18/2013 16:09 | 1 | Z0011806.D | |
| STD6 240-72560/7 ICRT | | 01/18/2013 16:21 | 1 | Z0011807.D | |
| STD7 240-72560/8 IC | | 01/18/2013 16:33 | 1 | Z0011808.D | |
| STD8 240-72560/9 IC | | 01/18/2013 16:45 | 1 | Z0011809.D | |
| STD9 240-72560/10 IC | | 01/18/2013 16:58 | 1 | Z0011810.D | |
| ICV 240-72560/11 | | 01/18/2013 17:10 | 1 | Z0011811.D | |

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: ZPID Start Date: 02/12/2013 13:59

Analysis Batch Number: 75041 End Date: 02/13/2013 00:42

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| CCVRT 240-75041/2 | | 02/12/2013 13:59 | 1 | Z0021202.D | |
| MB 240-75041/3 | | 02/12/2013 14:11 | 1 | Z0021203.D | |
| LCS 240-75041/4 | | 02/12/2013 14:23 | 1 | Z0021204.D | |
| ZZZZZ | | 02/12/2013 16:21 | 3 | | |
| ZZZZZ | | 02/12/2013 16:33 | 3 | | |
| ZZZZZ | | 02/12/2013 16:45 | 5 | | |
| ZZZZZ | | 02/12/2013 16:58 | 1 | | |
| ZZZZZ | | 02/12/2013 17:10 | 1 | | |
| ZZZZZ | | 02/12/2013 17:22 | 1 | | |
| CCV 240-75041/11 | | 02/12/2013 17:34 | 1 | Z0021211.D | |
| ZZZZZ | | 02/12/2013 17:46 | 1 | | |
| ZZZZZ | | 02/12/2013 17:59 | 1 | | |
| ZZZZZ | | 02/12/2013 18:11 | 1 | | |
| ZZZZZ | | 02/12/2013 18:23 | 1 | | |
| ZZZZZ | | 02/12/2013 18:35 | 1 | | |
| ZZZZZ | | 02/12/2013 18:48 | 1 | | |
| ZZZZZ | | 02/12/2013 19:00 | 1 | | |
| ZZZZZ | | 02/12/2013 19:12 | 1 | | |
| 240-20928-2 | OW-10R | 02/12/2013 19:24 | 1 | Z0021220.D | |
| 240-20928-3 | OW-22 | 02/12/2013 19:36 | 1 | Z0021221.D | |
| 240-20928-4 | OW-21 | 02/12/2013 19:49 | 1 | Z0021222.D | |
| 240-20928-5 | MW-4 | 02/12/2013 20:01 | 1 | Z0021223.D | |
| 240-20928-8 | OW-18 | 02/12/2013 20:13 | 1 | Z0021224.D | |
| 240-20928-9 | OW-24 | 02/12/2013 20:25 | 1 | Z0021225.D | |
| ZZZZZ | | 02/12/2013 20:38 | 1 | | |
| ZZZZZ | | 02/12/2013 20:50 | 1 | | |
| ZZZZZ | | 02/12/2013 21:02 | 1 | | |
| ZZZZZ | | 02/12/2013 21:14 | 1 | | |
| ZZZZZ | | 02/12/2013 21:27 | 1 | | |
| ZZZZZ | | 02/12/2013 21:39 | 1 | | |
| ZZZZZ | | 02/12/2013 21:51 | 1 | | |
| ZZZZZ | | 02/12/2013 22:03 | 1 | | |
| ZZZZZ | | 02/12/2013 22:15 | 1 | | |
| ZZZZZ | | 02/12/2013 22:28 | 1 | | |
| ZZZZZ | | 02/12/2013 22:40 | 1 | | |
| ZZZZZ | | 02/12/2013 22:52 | 1 | | |
| ZZZZZ | | 02/12/2013 23:04 | 1 | | |
| ZZZZZ | | 02/12/2013 23:17 | 1 | | |
| ZZZZZ | | 02/12/2013 23:29 | 1 | | |
| ZZZZZ | | 02/12/2013 23:41 | 1 | | |
| ZZZZZ | | 02/12/2013 23:53 | 1 | | |
| ZZZZZ | | 02/13/2013 00:05 | 1 | | |
| ZZZZZ | | 02/13/2013 00:18 | 1 | | |
| ZZZZZ | | 02/13/2013 00:30 | 1 | | |
| ZZZZZ | | 02/13/2013 00:42 | 1 | | |

RSK-175

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: ZPID Start Date: 02/14/2013 15:51

Analysis Batch Number: 75339 End Date: 02/14/2013 21:09

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| CCVRT 240-75339/2 | | 02/14/2013 15:51 | 1 | Z0021402.D | |
| MB 240-75339/3 | | 02/14/2013 16:04 | 1 | Z0021403.D | |
| LCS 240-75339/4 | | 02/14/2013 16:16 | 1 | Z0021404.D | |
| LCS 240-75339/5 | | 02/14/2013 16:28 | 1 | Z0021405.D | |
| LCS 240-75339/6 | | 02/14/2013 16:40 | 1 | Z0021406.D | |
| LCS 240-75339/7 | | 02/14/2013 16:52 | 1 | Z0021407.D | |
| ZZZZZ | | 02/14/2013 17:05 | 1 | | |
| ZZZZZ | | 02/14/2013 17:17 | 1 | | |
| ZZZZZ | | 02/14/2013 17:29 | 1 | | |
| 240-20928-2 | OW-10R | 02/14/2013 17:41 | 5 | Z0021411.D | |
| 240-20928-2 MS | OW-10R MS | 02/14/2013 17:54 | 5 | Z0021412.D | |
| 240-20928-2 MSD | OW-10R MSD | 02/14/2013 18:06 | 5 | Z0021413.D | |
| 240-20928-3 | OW-22 | 02/14/2013 18:18 | 5 | Z0021414.D | |
| 240-20928-8 | OW-18 | 02/14/2013 18:30 | 1 | Z0021415.D | |
| 240-20928-8 | OW-18 | 02/14/2013 18:42 | 5 | Z0021416.D | |
| 240-20928-10 | OW-19 | 02/14/2013 18:55 | 1 | Z0021417.D | |
| 240-20928-12 | OW-25 | 02/14/2013 19:07 | 1 | Z0021418.D | |
| 240-20928-13 | OW-13R | 02/14/2013 19:19 | 1 | Z0021419.D | |
| 240-20928-14 | GW-DUP | 02/14/2013 19:31 | 1 | Z0021420.D | |
| ZZZZZ | | 02/14/2013 19:44 | 1 | | |
| ZZZZZ | | 02/14/2013 19:56 | 1 | | |
| ZZZZZ | | 02/14/2013 20:08 | 1 | | |
| ZZZZZ | | 02/14/2013 20:20 | 1 | | |
| ZZZZZ | | 02/14/2013 20:32 | 1 | | |
| ZZZZZ | | 02/14/2013 20:45 | 1 | | |
| ZZZZZ | | 02/14/2013 20:57 | 1 | | |
| ZZZZZ | | 02/14/2013 21:09 | 1 | | |

RSK-175

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: ZPID Start Date: 02/19/2013 11:28

Analysis Batch Number: 75709 End Date: 02/19/2013 15:45

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| CCVRT 240-75709/3 | | 02/19/2013 11:28 | 1 | Z0021903.D | |
| MB 240-75709/4 | | 02/19/2013 11:40 | 1 | Z0021904.D | |
| LCS 240-75709/5 | | 02/19/2013 11:52 | 1 | Z0021905.D | |
| 240-20928-10 | OW-19 | 02/19/2013 12:05 | 5 | Z0021906.D | |
| ZZZZZ | | 02/19/2013 12:17 | 1 | | |
| ZZZZZ | | 02/19/2013 12:29 | 1 | | |
| ZZZZZ | | 02/19/2013 12:41 | 1 | | |
| ZZZZZ | | 02/19/2013 12:54 | 1 | | |
| ZZZZZ | | 02/19/2013 13:06 | 1 | | |
| ZZZZZ | | 02/19/2013 13:18 | 1 | | |
| ZZZZZ | | 02/19/2013 13:30 | 1 | | |
| ZZZZZ | | 02/19/2013 13:42 | 1 | | |
| ZZZZZ | | 02/19/2013 13:55 | 1 | | |
| ZZZZZ | | 02/19/2013 14:07 | 1 | | |
| ZZZZZ | | 02/19/2013 14:19 | 1 | | |
| ZZZZZ | | 02/19/2013 14:31 | 1 | | |
| ZZZZZ | | 02/19/2013 14:44 | 1 | | |
| ZZZZZ | | 02/19/2013 14:56 | 1 | | |
| ZZZZZ | | 02/19/2013 15:08 | 1 | | |
| ZZZZZ | | 02/19/2013 15:20 | 1 | | |
| ZZZZZ | | 02/19/2013 15:32 | 1 | | |
| ZZZZZ | | 02/19/2013 15:45 | 1 | | |

# GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG No.:

Project: C & D GW Sampling

| Client Sample ID | Lab Sample ID |
|---|---|
| OW-10R | 240-20928-2 |
| OW-22 | 240-20928-3 |
| OW-21 | 240-20928-4 |
| MW-4 | 240-20928-5 |
| OW-18 | 240-20928-8 |
| OW-24 | 240-20928-9 |
| OW-19 | 240-20928-10 |
| OW-25 | 240-20928-12 |
| OW-13R | 240-20928-13 |
| GW-DUP | 240-20928-14 |

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-10R
Lab Sample ID: 240-20928-2
Lab Name: TestAmerica Canton
Job No.: 240-20928-1
SDG ID.:
Matrix: Water
Date Sampled: 02/08/2013 09:55
Reporting Basis: WET
Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 2.3 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 280 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | ND | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 28 | 25 | 3.5 | mg/L | | | 5 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 3.3 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-22 Lab Sample ID: 240-20928-3

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG ID.:

Matrix: Water Date Sampled: 02/08/2013 10:55

Reporting Basis: WET Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 14 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 350 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | ND | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | ND | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 10 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-21 Lab Sample ID: 240-20928-4

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG ID.:

Matrix: Water Date Sampled: 02/08/2013 12:35

Reporting Basis: WET Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 5.2 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 280 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | ND | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 29 | 25 | 3.5 | mg/L | | | 5 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 3.8 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-4 Lab Sample ID: 240-20928-5

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG ID.:

Matrix: Water Date Sampled: 02/08/2013 13:55

Reporting Basis: WET Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 19 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 110 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | ND | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 44 | 25 | 3.5 | mg/L | | | 5 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 1.7 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-18 Lab Sample ID: 240-20928-8

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG ID.:

Matrix: Water Date Sampled: 02/07/2013 08:55

Reporting Basis: WET Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 17 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 380 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | ND | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | ND | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 14 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-24 Lab Sample ID: 240-20928-9

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG ID.:

Matrix: Water Date Sampled: 02/07/2013 10:45

Reporting Basis: WET Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 1.6 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 120 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | 0.20 | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 14 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | ND | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-19 Lab Sample ID: 240-20928-10

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG ID.:

Matrix: Water Date Sampled: 02/07/2013 12:40

Reporting Basis: WET Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 110 | 5.0 | 1.4 | mg/L | | | 5 | 325.2 |
| | Alkalinity | 310 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | ND | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 19 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 12 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-25 Lab Sample ID: 240-20928-12

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG ID.:

Matrix: Water Date Sampled: 02/07/2013 14:50

Reporting Basis: WET Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 1.5 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 31 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | 3.9 | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 10 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 2.2 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OW-13R
Lab Sample ID: 240-20928-13
Lab Name: TestAmerica Canton
Job No.: 240-20928-1
SDG ID.:
Matrix: Water
Date Sampled: 02/08/2013 08:40
Reporting Basis: WET
Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 3.3 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 290 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | 1.0 | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | 1.5 | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 28 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 3.7 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-DUP
Lab Sample ID: 240-20928-14
Lab Name: TestAmerica Canton
Job No.: 240-20928-1
SDG ID.:
Matrix: Water
Date Sampled: 02/08/2013 09:00
Reporting Basis: WET
Date Received: 02/11/2013 08:30

| CAS No. | Analyte | Result | RL | MDL | Units | C | Q | DIL | Method |
|---|---|---|---|---|---|---|---|---|---|
| 16887-00-6 | Chloride | 3.4 | 1.0 | 0.27 | mg/L | | | 1 | 325.2 |
| | Alkalinity | 280 | 5.0 | 2.7 | mg/L | | | 1 | 310.1 |
| 18496-25-8 | Sulfide | ND | 1.0 | 0.67 | mg/L | | | 1 | 376.1 |
| 14797-55-8 | Nitrate as N | 1.6 | 0.10 | 0.023 | mg/L | | H | 1 | 300.0 |
| 14808-79-8 | Sulfate | 29 | 5.0 | 0.70 | mg/L | | | 1 | 375.4 |
| 7440-44-0 | Total Organic Carbon | 3.3 | 1.0 | 0.24 | mg/L | | | 1 | 415.1 |

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Analyst: JK  Batch Start Date: 02/20/2013

Reporting Units: mg/L  Analytical Batch No.: 75974

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 3 | CCV | 08:24 | Chloride | 24.9 | 25.0 | 99 | 90-110 | | WCCLCCV.1_00060 |
| 4 | CCB | 08:24 | Chloride | ND | | | | | |
| 6 | CCV | 08:24 | Chloride | 24.8 | 25.0 | 99 | 90-110 | | WCCLCCV.1_00060 |
| 7 | CCB | 08:24 | Chloride | ND | | | | | |
| 9 | CCV | 08:33 | Chloride | 24.9 | 25.0 | 99 | 90-110 | | WCCLCCV.1_00060 |
| 10 | CCB | 08:33 | Chloride | ND | | | | | |
| 11 | CCV | 12:46 | Chloride | 26.0 | 25.0 | 104 | 90-110 | | WCCLCCV.1_00060 |
| 12 | CCB | 12:46 | Chloride | ND | | | | | |
| 23 | CCV | 12:48 | Chloride | 25.9 | 25.0 | 103 | 90-110 | | WCCLCCV.1_00060 |
| 24 | CCB | 12:48 | Chloride | ND | | | | | |
| 31 | CCV | 12:48 | Chloride | 25.7 | 25.0 | 103 | 90-110 | | WCCLCCV.1_00060 |
| 32 | CCB | 12:48 | Chloride | ND | | | | | |
| 34 | CCV | 12:57 | Chloride | 25.8 | 25.0 | 103 | 90-110 | | WCCLCCV.1_00060 |
| 35 | CCB | 12:57 | Chloride | ND | | | | | |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Analyst: LG  Batch Start Date: 12/13/2012

Reporting Units: mg/L  Analytical Batch No.: 68462

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 13 | ICV | 09:29 | Nitrate as N | 2.56 | 2.50 | 102 | 90-110 | | WCICLCS_00144 |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Analyst: LG  Batch Start Date: 02/11/2013

Reporting Units: mg/L  Analytical Batch No.: 74940

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 2 | CCV | 15:14 | Nitrate as N | 2.71 | 2.50 | 109 | 90-110 | | WCICCCV_00237 |
| 3 | CCB | 15:30 | Nitrate as N | ND | | | | | |
| 14 | CCV | 18:31 | Nitrate as N | 2.72 | 2.50 | 109 | 90-110 | | WCICCCV_00237 |
| 15 | CCB | 18:47 | Nitrate as N | ND | | | | | |
| 23 | CCV | 20:59 | Nitrate as N | 2.68 | 2.50 | 107 | 90-110 | | WCICCCV_00237 |
| 24 | CCB | 21:15 | Nitrate as N | ND | | | | | |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Analyst: JB  Batch Start Date: 02/14/2013

Reporting Units: mg/L  Analytical Batch No.: 75355

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 16 | CCV | 10:15 | Sulfate | 26.4 | | | | | |
| 17 | CCB | 10:15 | Sulfate | ND | | | | | |
| 19 | CCV | 10:19 | Sulfate | 26.4 | | | | | |
| 20 | CCB | 10:19 | Sulfate | ND | | | | | |
| 23 | CCV | 10:40 | Sulfate | 25.9 | | | | | |
| 24 | CCB | 10:40 | Sulfate | ND | | | | | |
| 29 | CCV | 10:43 | Sulfate | 25.9 | | | | | |
| 30 | CCB | 10:43 | Sulfate | ND | | | | | |
| 35 | CCV | 11:01 | Sulfate | 25.8 | | | | | |
| 36 | CCB | 11:01 | Sulfate | ND | | | | | |
| 37 | CCV | 11:38 | Sulfate | 26.1 | | | | | |
| 38 | CCB | 11:38 | Sulfate | ND | | | | | |
| 43 | CCV | 11:49 | Sulfate | 26.2 | | | | | |
| 44 | CCB | 11:49 | Sulfate | ND | | | | | |
| 46 | CCV | 11:50 | Sulfate | 26.2 | | | | | |
| 47 | CCB | 11:50 | Sulfate | ND | | | | | |
| 48 | CCV | 12:18 | Sulfate | 26.3 | | | | | |
| 49 | CCB | 12:18 | Sulfate | ND | | | | | |
| 52 | CCV | 12:24 | Sulfate | 26.5 | | | | | |
| 53 | CCB | 12:24 | Sulfate | ND | | | | | |

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Analyst: TH  Batch Start Date: 02/15/2013

Reporting Units: mg/L  Analytical Batch No.: 75518

| Sample Number | QC Type | Time | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent |
|---|---|---|---|---|---|---|---|---|---|
| 1 | CCV | 08:26 | Total Organic Carbon | 24.9 | 25.0 | 100 | 90-110 | | WC TOC CCV_00119 |
| 2 | CCB | 08:37 | Total Organic Carbon | ND | | | | | |
| 13 | CCV | 10:36 | Total Organic Carbon | 25.8 | 25.0 | 103 | 90-110 | | WC TOC CCV_00119 |
| 14 | CCB | 10:47 | Total Organic Carbon | ND | | | | | |
| 25 | CCV | 12:46 | Total Organic Carbon | 25.1 | 25.0 | 100 | 90-110 | | WC TOC CCV_00119 |
| 26 | CCB | 12:57 | Total Organic Carbon | ND | | | | | |
| 31 | CCV | 13:51 | Total Organic Carbon | 25.9 | 25.0 | 104 | 90-110 | | WC TOC CCV_00119 |
| 32 | CCB | 14:02 | Total Organic Carbon | ND | | | | | |

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

| Method | Lab Sample ID | Analyte | Result | Qual | Units | RL | Dil |
|---|---|---|---|---|---|---|---|
| Batch ID: 74940 | Date: 02/11/2013 15:47 | | | | | | |
| 300.0 | MB 240-74940/4 | Nitrate as N | ND | | mg/L | 0.10 | 1 |
| Batch ID: 75599 | Date: 02/15/2013 18:31 | | | | | | |
| 310.1 | MB 240-75599/34 | Alkalinity | ND | | mg/L | 5.0 | 1 |
| Batch ID: 75989 | Date: 02/19/2013 15:36 | | | | | | |
| 310.1 | MB 240-75989/17 | Alkalinity | ND | | mg/L | 5.0 | 1 |
| Batch ID: 75974 | Date: 02/20/2013 08:24 | | | | | | |
| 325.2 | MB 240-75974/5 | Chloride | ND | | mg/L | 1.0 | 1 |
| Batch ID: 75355 | Date: 02/14/2013 10:19 | | | | | | |
| 375.4 | MB 240-75355/21 | Sulfate | ND | | mg/L | 5.0 | 1 |
| Batch ID: 75235 | Date: 02/13/2013 15:00 | | | | | | |
| 376.1 | MB 240-75235/1 | Sulfide | ND | | mg/L | 1.0 | 1 |
| Batch ID: 75383 | Date: 02/14/2013 14:58 | | | | | | |
| 376.1 | MB 240-75383/1 | Sulfide | ND | | mg/L | 1.0 | 1 |
| Batch ID: 75518 | Date: 02/15/2013 08:47 | | | | | | |
| 415.1 | MB 240-75518/3 | Total Organic Carbon | ND | | mg/L | 1.0 | 1 |

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 74940 | | Date: 02/11/2013 17:25 | | | | | | | | | |
| 300.0 | 240-20928-8 | Nitrate as N | ND | | mg/L | | | | | | H |
| 300.0 | 240-20928-8 MS | Nitrate as N | 3.17 | | mg/L | 2.50 | 125 | 80-120 | | | F |
| Batch ID: 74940 | | Date: 02/11/2013 20:09 | | | | | | | | | |
| 300.0 | 240-20928-2 | Nitrate as N | ND | | mg/L | | | | | | H |
| 300.0 | 240-20928-2 MS | Nitrate as N | 3.06 | | mg/L | 2.50 | 122 | 80-120 | | | F |

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water

| Method | Client Sample ID | Lab Sample ID | Analyte | Result | Unit | RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|
| Batch ID: 75599 | Date: 02/15/2013 22:11 | | | | | | | |
| 310.1 | OW-25 | 240-20928-12 | Alkalinity | 31 | mg/L | | | |
| 310.1 | OW-25 | 240-20928-12 DU | Alkalinity | 30.5 | mg/L | 3 | 20 | |

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Matrix: Water

| Method | Lab Sample ID | Analyte | Result | C | Unit | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Batch ID: 74940 | Date: 02/11/2013 16:03 | | | | | | | | | | |
| | | | | | | LCS Source: WCICLCS_00159 | | | | | |
| 300.0 | LCS 240-74940/5 | Nitrate as N | 2.71 | | mg/L | 2.50 | 108 | 90-110 | | | |
| Batch ID: 75599 | Date: 02/15/2013 18:24 | | | | | | | | | | |
| | | | | | | LCS Source: WCPHENOMINER_00001 | | | | | |
| 310.1 | LCS 240-75599/33 | Alkalinity | 40.7 | | mg/L | 39.8 | 102 | 90-127 | | | |
| Batch ID: 75989 | Date: 02/19/2013 15:31 | | | | | | | | | | |
| | | | | | | LCS Source: WCPHENOMINER_00001 | | | | | |
| 310.1 | LCS 240-75989/16 | Alkalinity | 41.2 | | mg/L | 39.8 | 103 | 90-127 | | | |
| Batch ID: 75355 | Date: 02/14/2013 10:46 | | | | | | | | | | |
| | | | | | | LCS Source: WCWIBBYMINERA_00002 | | | | | |
| 375.4 | LCS 240-75355/31 | Sulfate | 95.7 | | mg/L | 91.1 | 105 | 80-112 | | | |
| Batch ID: 75235 | Date: 02/13/2013 15:03 | | | | | | | | | | |
| | | | | | | LCS Source: WCSULFIDELCS_00352 | | | | | |
| 376.1 | LCS 240-75235/2 | Sulfide | 16.7 | | mg/L | 16.7 | 100 | 79-110 | | | |
| Batch ID: 75383 | Date: 02/14/2013 15:04 | | | | | | | | | | |
| | | | | | | LCS Source: WCSULFIDELCS_00353 | | | | | |
| 376.1 | LCS 240-75383/2 | Sulfide | 17.0 | | mg/L | 17.1 | 100 | 79-110 | | | |
| Batch ID: 75518 | Date: 02/15/2013 08:58 | | | | | | | | | | |
| | | | | | | LCS Source: WC LCS_00005 | | | | | |
| 415.1 | LCS 240-75518/4 | Total Organic Carbon | 48.1 | | mg/L | 48.1 | 100 | 88-115 | | | |

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 Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 325.2 MDL Date: 01/27/2010 17:21

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Chloride | | 1 | 0.27 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 325.2 XMDL Date: 01/27/2010 17:21

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Chloride | | 1 | 0.27 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: STEVE

Method: 310.1 MDL Date: 01/27/2010 17:29

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Alkalinity | | 5 | 2.7 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: STEVE

Method: 310.1 XMDL Date: 01/27/2010 17:29

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Alkalinity | | 5 | 2.7 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 376.1 MDL Date: 01/27/2010 15:47

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Sulfide | | 1 | 0.67 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 376.1 XMDL Date: 01/27/2010 15:48

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Sulfide | | 1 | 0.67 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: SIMON

Method: 300.0 MDL Date: 01/27/2010 17:40

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Nitrate as N | | 0.1 | 0.023 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: SIMON

Method: 300.0 XMDL Date: 01/27/2010 17:40

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Nitrate as N | | 0.1 | 0.023 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 375.4 MDL Date: 01/27/2010 16:24

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Sulfate | | 5 | 0.7 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: BARNEY

Method: 375.4 XMDL Date: 01/27/2010 16:24

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Sulfate | | 5 | 0.7 |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: SPARKY

Method: 415.1 MDL Date: 01/27/2010 15:20

| Analyte | Wavelength/ Mass | RL (mg/L) | MDL (mg/L) |
|---|---|---|---|
| Total Organic Carbon | | 1 | 0.24 |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-20928-1

SDG Number:

Matrix: Water Instrument ID: SPARKY

Method: 415.1 XMDL Date: 01/27/2010 15:20

| Analyte | Wavelength/ Mass | XRL (mg/L) | XMDL (mg/L) |
|---|---|---|---|
| Total Organic Carbon | | 1 | 0.24 |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: BARNEY Method: 325.2

Start Date: 02/20/2013 08:00 End Date: 02/20/2013 14:34

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CL- | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/1 | | | 08:00 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/2 | | | 08:00 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/3 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/4 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75974/5 | 1 | T | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/6 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/7 | 1 | | 08:24 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75974/8 | 5 | T | 08:32 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/9 | 1 | | 08:33 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/10 | 1 | | 08:33 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/11 | 1 | | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/12 | 1 | | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:46 | | | | | | | | | | | | | | | | | | | | |
| 240-20928-2 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-3 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-4 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-5 | 1 | T | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/23 | 1 | | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/24 | 1 | | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-8 | 1 | T | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-9 | 1 | T | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-12 | 1 | T | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-13 | 1 | T | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-14 | 1 | T | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:48 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/31 | 1 | | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/32 | 1 | | 12:48 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-10 | 5 | T | 12:56 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/34 | 1 | | 12:57 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/35 | 1 | | 12:57 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/36 | | | 13:02 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/37 | | | 13:02 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/38 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/39 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/41 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/42 | | | 13:29 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: BARNEY Method: 325.2

Start Date: 02/20/2013 08:00 End Date: 02/20/2013 14:34

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CL- | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/43 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/44 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75974/46 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75974/47 | | | 14:34 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: STEVE Method: 310.1

Start Date: 02/15/2013 10:12 End Date: 02/15/2013 22:15

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alk | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:12 | | | | | | | | | | | | | | | | | | | | |
| RINSE 240-75599/2 | | | 10:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:33 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:31 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:26 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:10 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:23 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:30 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:00 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:16 | | | | | | | | | | | | | | | | | | | | |
| LCS 240-75599/33 | 1 | T | 18:24 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75599/34 | 1 | T | 18:31 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:29 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: STEVE Method: 310.1

Start Date: 02/15/2013 10:12 End Date: 02/15/2013 22:15

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alk | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:55 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:36 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:06 | | | | | | | | | | | | | | | | | | | | |
| 240-20928-2 | 1 | T | 21:17 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-3 | 1 | T | 21:29 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-8 | 1 | T | 21:42 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-9 | 1 | T | 21:49 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-10 | 1 | T | 22:00 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-12 | 1 | T | 22:05 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-12 DU | 1 | T | 22:11 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:15 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: STEVE Method: 310.1

Start Date: 02/19/2013 09:41 End Date: 02/20/2013 01:18

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alk | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:41 | | | | | | | | | | | | | | | | | | | | |
| RINSE 240-75989/2 | | | 09:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:50 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:17 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:34 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:01 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:23 | | | | | | | | | | | | | | | | | | | | |
| LCS 240-75989/16 | 1 | T | 15:31 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75989/17 | 1 | T | 15:36 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:43 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:21 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:37 | | | | | | | | | | | | | | | | | | | | |
| 240-20928-4 | 1 | T | 16:48 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-5 | 1 | T | 16:55 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-13 | 1 | T | 17:05 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-14 | 1 | T | 17:16 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 17:48 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:32 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 18:59 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:44 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:51 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 19:58 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:04 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:16 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:28 | | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: STEVE Method: 310.1

Start Date: 02/19/2013 09:41 End Date: 02/20/2013 01:18

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alk | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:39 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 20:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 21:52 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:02 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:19 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:28 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 22:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:22 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:25 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 23:54 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:37 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 00:57 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:05 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:15 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 01:18 | | | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: NOEQUIP Method: 376.1

Start Date: 02/13/2013 15:00 End Date: 02/13/2013 15:57

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | S2 | | | | | | | | | | | | | | | | | | | |
| MB 240-75235/1 | 1 | T | 15:00 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75235/2 | 1 | T | 15:03 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:07 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:11 | | | | | | | | | | | | | | | | | | | | |
| 240-20928-2 | 1 | T | 15:15 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-3 | 1 | T | 15:19 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-4 | 1 | T | 15:22 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-5 | 1 | T | 15:26 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-8 | 1 | T | 15:30 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-9 | 1 | T | 15:34 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-10 | 1 | T | 15:38 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:45 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:49 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:57 | | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: NOEQUIP Method: 376.1

Start Date: 02/14/2013 14:58 End Date: 02/14/2013 15:53

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | S2 | | | | | | | | | | | | | | | | | | | |
| MB 240-75383/1 | 1 | T | 14:58 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75383/2 | 1 | T | 15:04 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-12 | 1 | T | 15:10 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-13 | 1 | T | 15:16 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-14 | 1 | T | 15:22 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:41 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:47 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:53 | | | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: SIMON Method: 300.0

Start Date: 12/13/2012 06:12 End Date: 12/13/2012 09:45

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZZZZZZ | | | 06:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 06:28 | | | | | | | | | | | | | | | | | | | | |
| STD1 240-68462/3 IC | | | 06:45 | | | | | | | | | | | | | | | | | | | | |
| STD2 240-68462/4 IC | | | 07:01 | | | | | | | | | | | | | | | | | | | | |
| STD3 240-68462/5 IC | | | 07:17 | | | | | | | | | | | | | | | | | | | | |
| STD4 240-68462/6 IC | | | 07:34 | | | | | | | | | | | | | | | | | | | | |
| STD5 240-68462/7 ICRT | | | 07:50 | | | | | | | | | | | | | | | | | | | | |
| STD6 240-68462/8 IC | | | 08:07 | | | | | | | | | | | | | | | | | | | | |
| STD7 240-68462/9 IC | | | 08:23 | | | | | | | | | | | | | | | | | | | | |
| STD8 240-68462/10 IC | | | 08:39 | | | | | | | | | | | | | | | | | | | | |
| STD9 240-68462/11 IC | | | 08:56 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:12 | | | | | | | | | | | | | | | | | | | | |
| ICV 240-68462/13 | 1 | | 09:29 | | | | | | | | | | | | | | | | | | | | |
| ICB 240-68462/14 | | | 09:45 | | | | | | | | | | | | | | | | | | | | |

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: SIMON Method: 300.0

Start Date: 02/11/2013 14:58 End Date: 02/11/2013 21:15

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NO3 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 14:58 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-74940/2 | 1 | | 15:14 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-74940/3 | 1 | | 15:30 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-74940/4 | 1 | T | 15:47 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-74940/5 | 1 | T | 16:03 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 16:20 | | | | | | | | | | | | | | | | | | | | |
| 240-20928-5 | 1 | T | 16:36 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-4 | 1 | T | 16:53 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-8 | 1 | T | 17:09 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-8 MS | 1 | T | 17:25 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-3 | 1 | T | 17:42 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-9 | 1 | T | 17:58 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-12 | 1 | T | 18:15 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-74940/14 | 1 | | 18:31 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-74940/15 | 1 | | 18:47 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-13 | 1 | T | 19:04 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-10 | 1 | T | 19:20 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-14 | 1 | T | 19:37 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-2 | 1 | T | 19:53 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-2 MS | 1 | T | 20:09 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-74940/23 | 1 | | 20:59 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-74940/24 | 1 | | 21:15 | X | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: BARNEY Method: 375.4

Start Date: 02/14/2013 09:35 End Date: 02/14/2013 12:24

| Lab Sample ID | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SO4 | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/5 | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/7 | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:35 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/11 | | | 10:12 | | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/12 | | | 10:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:12 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:13 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:13 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/16 | 1 | | 10:15 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/17 | 1 | | 10:15 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-3 | 1 | T | 10:15 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/19 | 1 | | 10:19 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/20 | 1 | | 10:19 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75355/21 | 1 | T | 10:19 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-8 | 1 | T | 10:19 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/23 | 1 | | 10:40 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/24 | 1 | | 10:40 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:40 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:43 | | | | | | | | | | | | | | | | | | | | |
| 240-20928-5 | 5 | T | 10:43 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/29 | 1 | | 10:43 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/30 | 1 | | 10:43 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75355/31 | 5 | T | 10:46 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:46 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:46 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/35 | 1 | | 11:01 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/36 | 1 | | 11:01 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/37 | 1 | | 11:38 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/38 | 1 | | 11:38 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-9 | 1 | T | 11:38 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-10 | 1 | T | 11:39 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-12 | 1 | T | 11:39 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-13 | 1 | T | 11:39 | X | | | | | | | | | | | | | | | | | | | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: BARNEY Method: 375.4

Start Date: 02/14/2013 09:35 End Date: 02/14/2013 12:24

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SO4 | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/43 | 1 | | 11:49 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/44 | 1 | | 11:49 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-14 | 1 | T | 11:49 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/46 | 1 | | 11:50 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/47 | 1 | | 11:50 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/48 | 1 | | 12:18 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/49 | 1 | | 12:18 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-2 | 5 | T | 12:18 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-4 | 5 | T | 12:20 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75355/52 | 1 | | 12:24 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75355/53 | 1 | | 12:24 | X | | | | | | | | | | | | | | | | | | | |

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Instrument ID: SPARKY Method: 415.1

Start Date: 02/15/2013 08:26 End Date: 02/15/2013 14:02

| Lab Sample ID | D / F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOC | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/1 | 1 | | 08:26 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/2 | 1 | | 08:37 | X | | | | | | | | | | | | | | | | | | | |
| MB 240-75518/3 | 1 | T | 08:47 | X | | | | | | | | | | | | | | | | | | | |
| LCS 240-75518/4 | 2 | T | 08:58 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:09 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:20 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:31 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:42 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:53 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:03 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:14 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/13 | 1 | | 10:36 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/14 | 1 | | 10:47 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:58 | | | | | | | | | | | | | | | | | | | | |
| 240-20928-2 | 1 | T | 11:08 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-3 | 1 | T | 11:19 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-4 | 1 | T | 11:30 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-5 | 1 | T | 11:41 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-8 | 1 | T | 11:52 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-9 | 1 | T | 12:03 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-10 | 1 | T | 12:14 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-12 | 1 | T | 12:24 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-13 | 1 | T | 12:35 | X | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/25 | 1 | | 12:46 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/26 | 1 | | 12:57 | X | | | | | | | | | | | | | | | | | | | |
| 240-20928-14 | 1 | T | 13:08 | X | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:18 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:29 | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:40 | | | | | | | | | | | | | | | | | | | | |
| CCV 240-75518/31 | 1 | | 13:51 | X | | | | | | | | | | | | | | | | | | | |
| CCB 240-75518/32 | 1 | | 14:02 | X | | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d | | |
| Lims ID: | STD1 | Client ID: | |
| Inject. Date: | 13-Dec-2012 06:45:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 1 |
| Sample ID: | 240-0015791-003 | | |
| Misc. Info.: | 3 STD1 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 3240-0015791-003 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:08 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:14:36 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 345981 | 0 | |
| 2 Chloride | 3.825 | 3.859 | -0.034 | 7974404 | 0 | |
| 3 Nitrite as N | 4.608 | 4.575 | 0.033 | 577797 | 0.0366 | |
| 4 Bromide | 5.900 | 5.809 | 0.091 | 504820 | 0 | |
| 5 Nitrate as N | 6.950 | 6.759 | 0.191 | 708579 | 0.0390 | M |
| 6 Orthophosphate | 9.025 | 8.959 | 0.066 | 562936 | 0.0699 | MA |
| 7 Sulfate | 11.233 | 11.142 | 0.091 | 5521761 | 0 | |

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

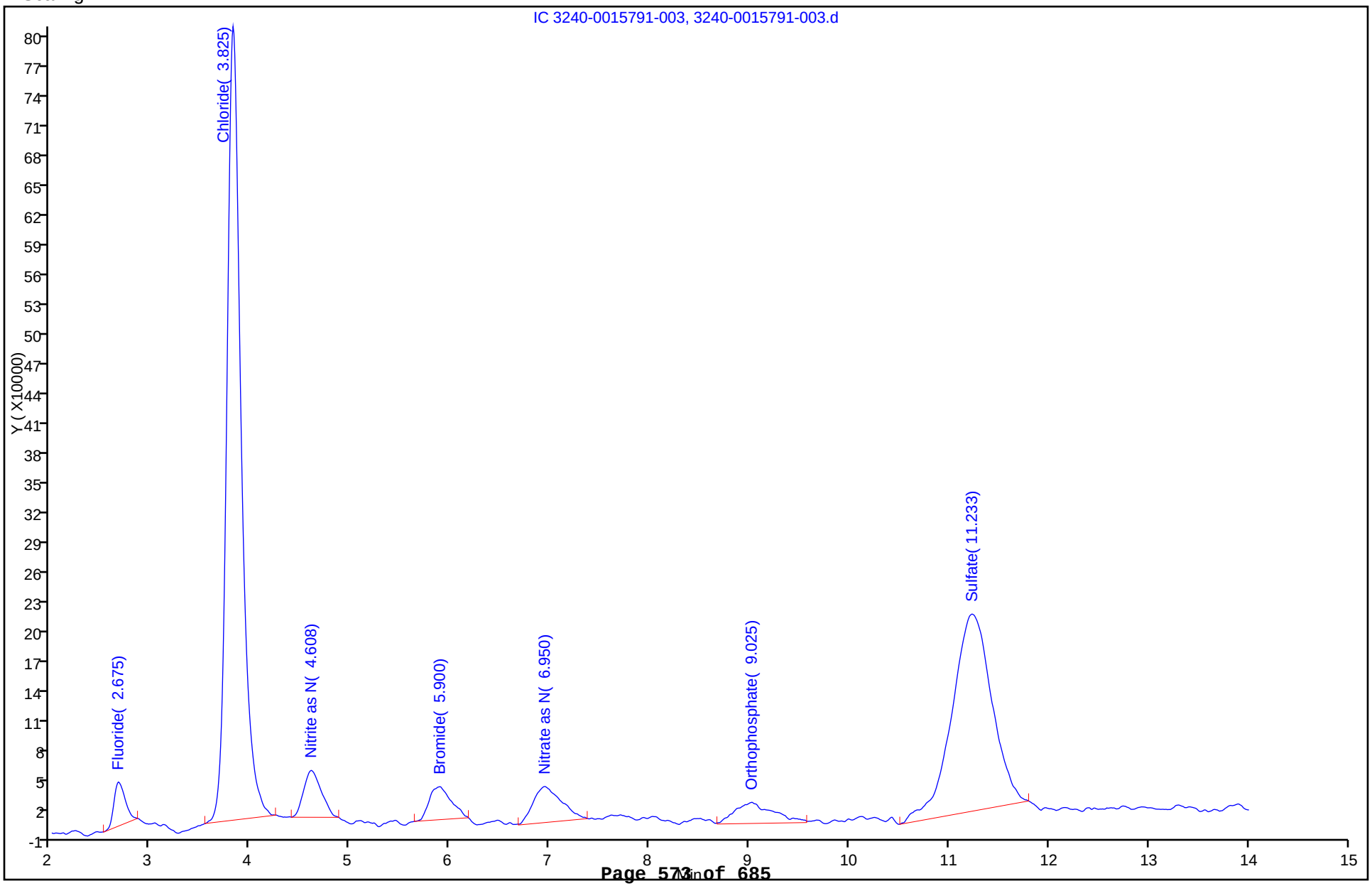
Report Date: 13-Dec-2012 16:49:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 06:45:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



Manual Integration/User Assign Peak Report

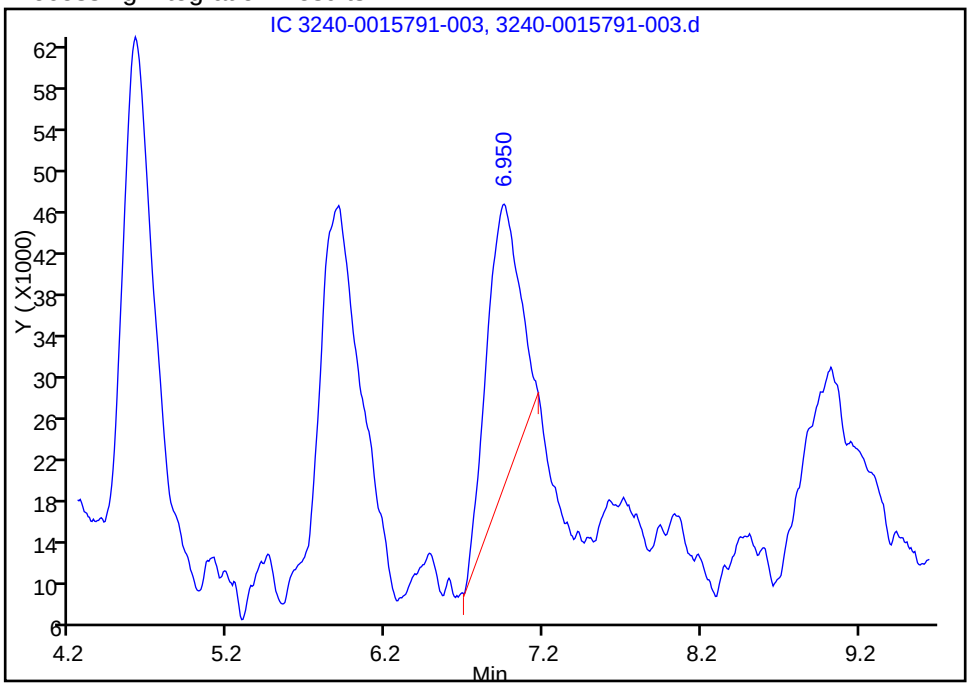
TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d | | |
| Injection Date: | 13-Dec-2012 06:45:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

5 Nitrate as N, Signal: 1, Type: quant, RT: 6.76

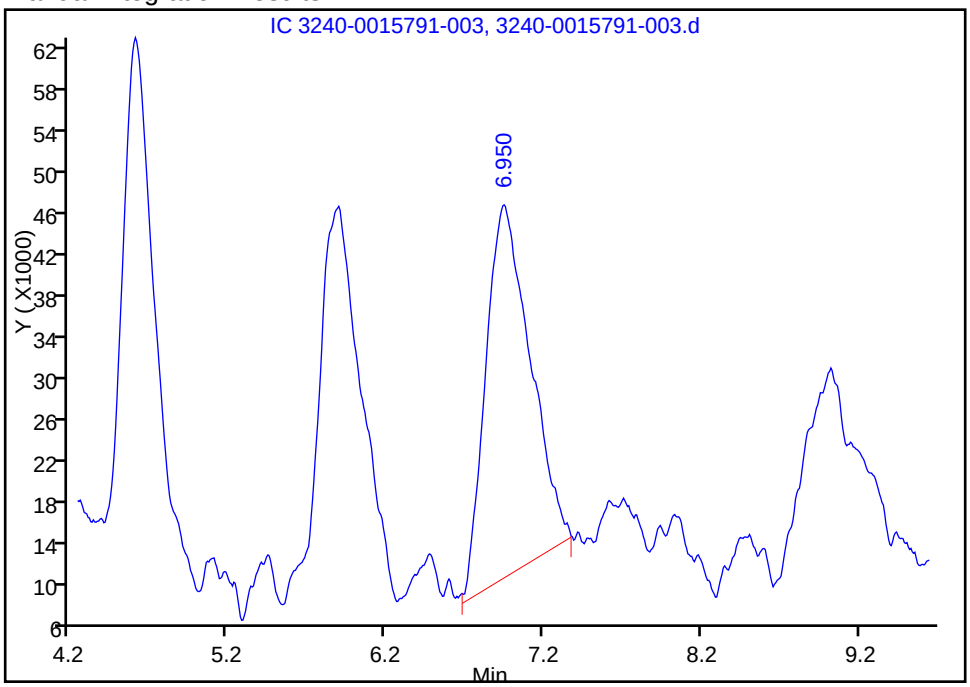
Processing Integration Results

RT: 6.95
Response: 397233
Amount: 0




Manual Integration Results

RT: 6.95
Response: 708579
Amount: 0.038980




Reviewer: grossmanl, 13-Dec-2012 15:28:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

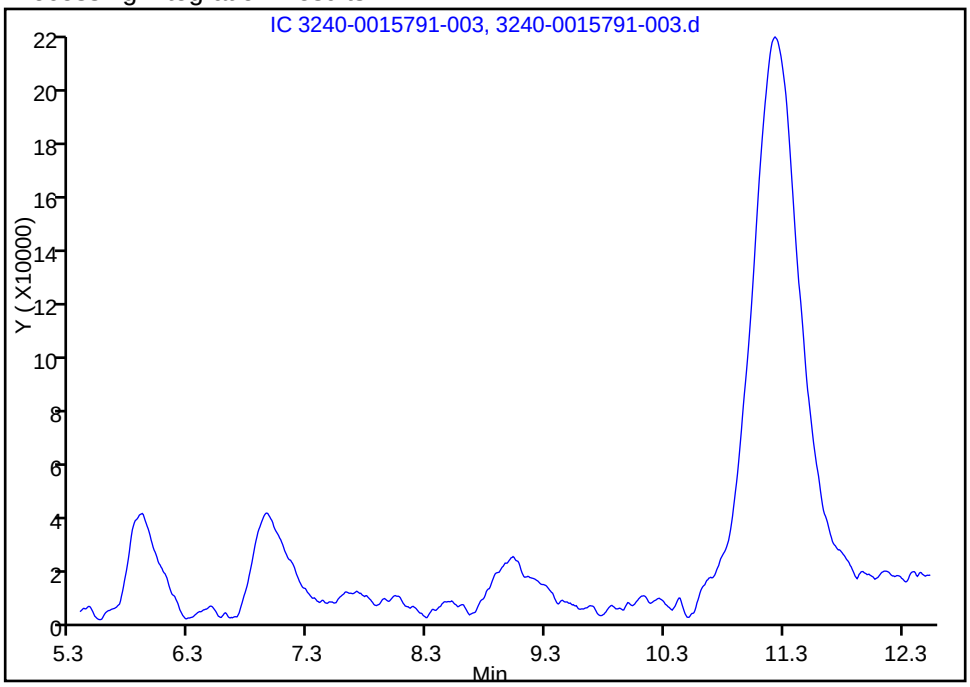
TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\3240-0015791-003.d | | |
| Injection Date: | 13-Dec-2012 06:45:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

6 Orthophosphate, Signal: 1, Type: quant, RT: 8.96

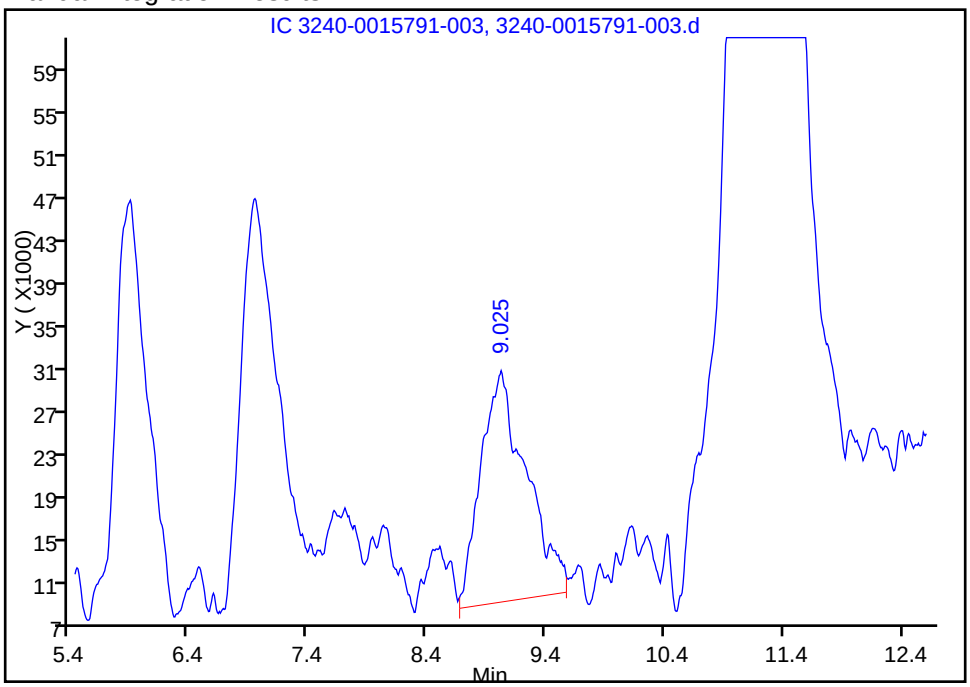
Not Detected
Expected RT: 8.96

Processing Integration Results




Manual Integration Results

RT: 9.03
Response: 562936
Amount: 0.069890




Reviewer: grossmanl, 13-Dec-2012 15:28:43
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\4240-0015791-004.d | | |
| Lims ID: | STD2 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:01:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 2 |
| Sample ID: | 240-0015791-004 | | |
| Misc. Info.: | 4 STD2 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 4 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 4240-0015791-004 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:09 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:02 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 2557979 | 0 | |
| 2 Chloride | 3.825 | 3.859 | -0.034 | 41336898 | 0 | |
| 3 Nitrite as N | 4.592 | 4.575 | 0.017 | 3728713 | 0.2360 | |
| 4 Bromide | 5.859 | 5.809 | 0.050 | 2784179 | 0 | |
| 5 Nitrate as N | 6.884 | 6.759 | 0.125 | 3905579 | 0.2149 | |
| 6 Orthophosphate | 8.959 | 8.959 | 0.0 | 1728444 | 0.2146 | |
| 7 Sulfate | 11.209 | 11.142 | 0.067 | 28091623 | 0 | |

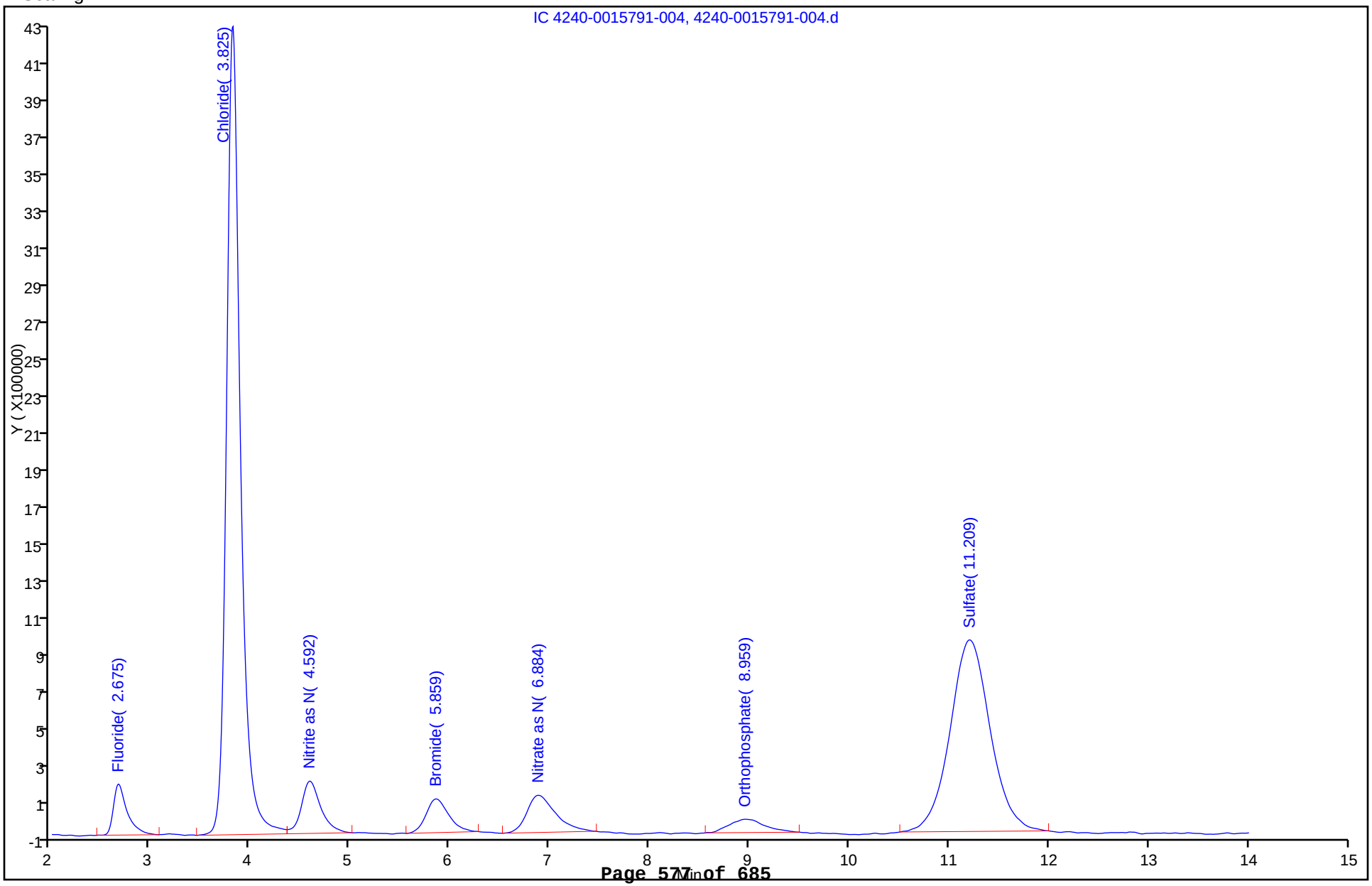
Report Date: 13-Dec-2012 16:49:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\4240-0015791-004.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 07:01:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 4 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

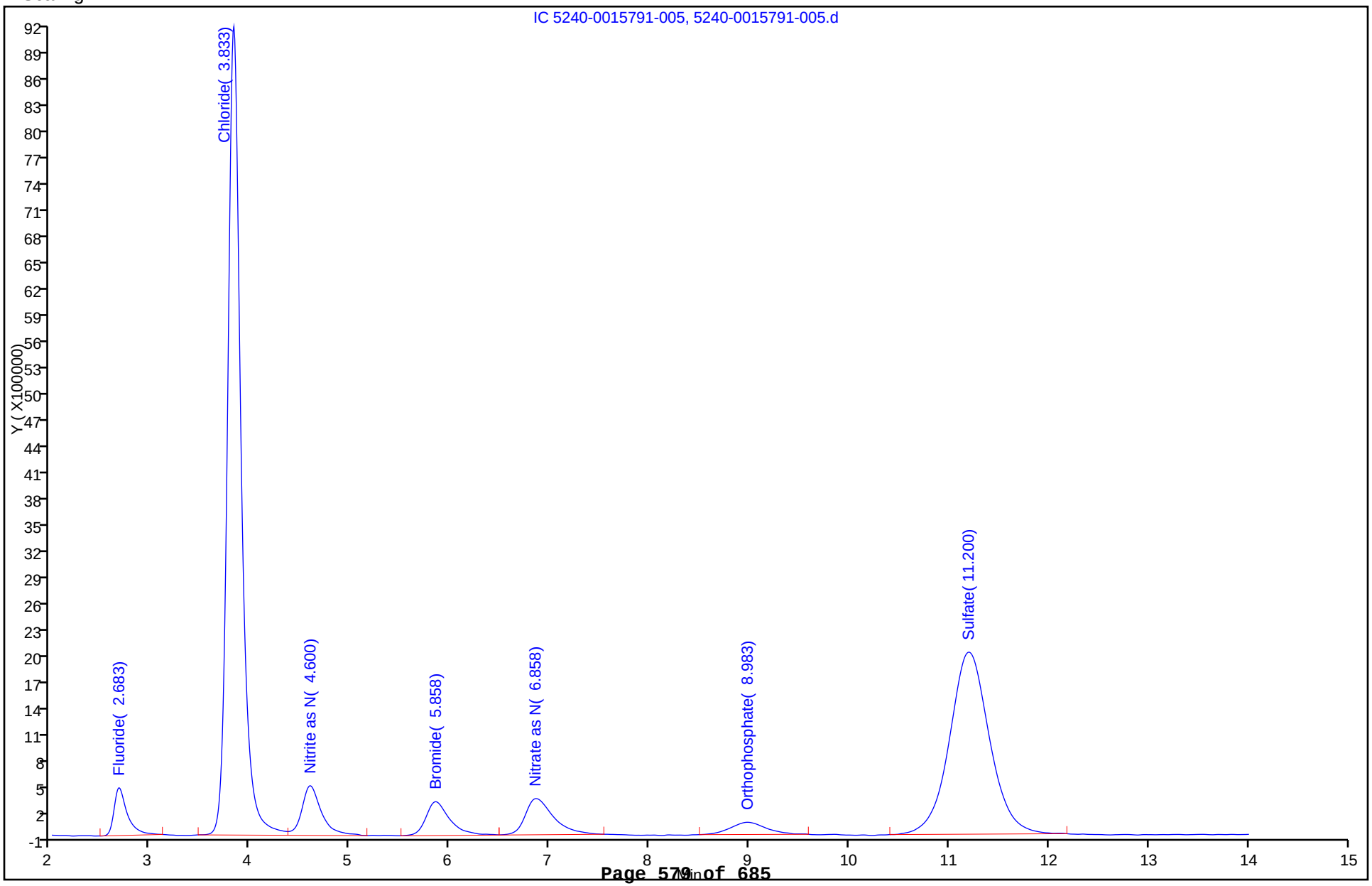
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\5240-0015791-005.d | | |
| Lims ID: | STD3 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:17:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 3 |
| Sample ID: | 240-0015791-005 | | |
| Misc. Info.: | 5 STD3 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 5 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 5240-0015791-005 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:10 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:12 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 5012122 | 0 | |
| 2 Chloride | 3.833 | 3.859 | -0.026 | 86580283 | 0 | |
| 3 Nitrite as N | 4.600 | 4.575 | 0.025 | 7789977 | 0.4930 | |
| 4 Bromide | 5.858 | 5.809 | 0.049 | 6418805 | 0 | |
| 5 Nitrate as N | 6.858 | 6.759 | 0.099 | 8093854 | 0.4453 | |
| 6 Orthophosphate | 8.983 | 8.959 | 0.024 | 3447922 | 0.4281 | |
| 7 Sulfate | 11.200 | 11.142 | 0.058 | 57784593 | 0 | |

Report Date: 13-Dec-2012 16:49:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\5240-0015791-005.d | | |
| Injection Date: | 13-Dec-2012 07:17:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 5 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
IC, ICal Standard Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\6240-0015791-006.d | | |
| Lims ID: | STD4 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:34:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 4 |
| Sample ID: | 240-0015791-006 | | |
| Misc. Info.: | 6 STD4 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 6 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 6240-0015791-006 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:10 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:22 |
| Start Cal Date: | 13-Dec-2012 06:45:00 | | |
| End Cal Date: | 13-Dec-2012 08:56:00 | | |

| Compound | Standard RRF/Amount | DLT RT | Ccal Amount | Ccal RF | Min. RRF | %D | Max. %D |
|---|---|---|---|---|---|---|---|
| 3 Nitrite as N | 15801059 | 0.000 | | 15498024 | 0.000 | -1.9 | 10.0 |
| 5 Nitrate as N | 18177894 | 0.050 | | 17478419 | 0.000 | -3.8 | 10.0 |
| 6 Orthophosphate | 8054637 | -0.009 | | 7507929 | 0.000 | -6.8 | 10.0 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\6240-0015791-006.d | | |
| Lims ID: | STD4 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:34:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 4 |
| Sample ID: | 240-0015791-006 | | |
| Misc. Info.: | 6 STD4 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 6 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 6240-0015791-006 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:10 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:22 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.667 | 2.675 | -0.008 | 10666145 | 0 | |
| 2 Chloride | 3.825 | 3.859 | -0.034 | 187940548 | 0 | |
| 3 Nitrite as N | 4.575 | 4.575 | 0.0 | 15498024 | 0.9808 | |
| 4 Bromide | 5.825 | 5.809 | 0.016 | 12878471 | 0 | |
| 5 Nitrate as N | 6.809 | 6.759 | 0.050 | 17478419 | 0.9615 | |
| 6 Orthophosphate | 8.950 | 8.959 | -0.009 | 7507929 | 0.9321 | |
| 7 Sulfate | 11.175 | 11.142 | 0.033 | 119348458 | 0 | |

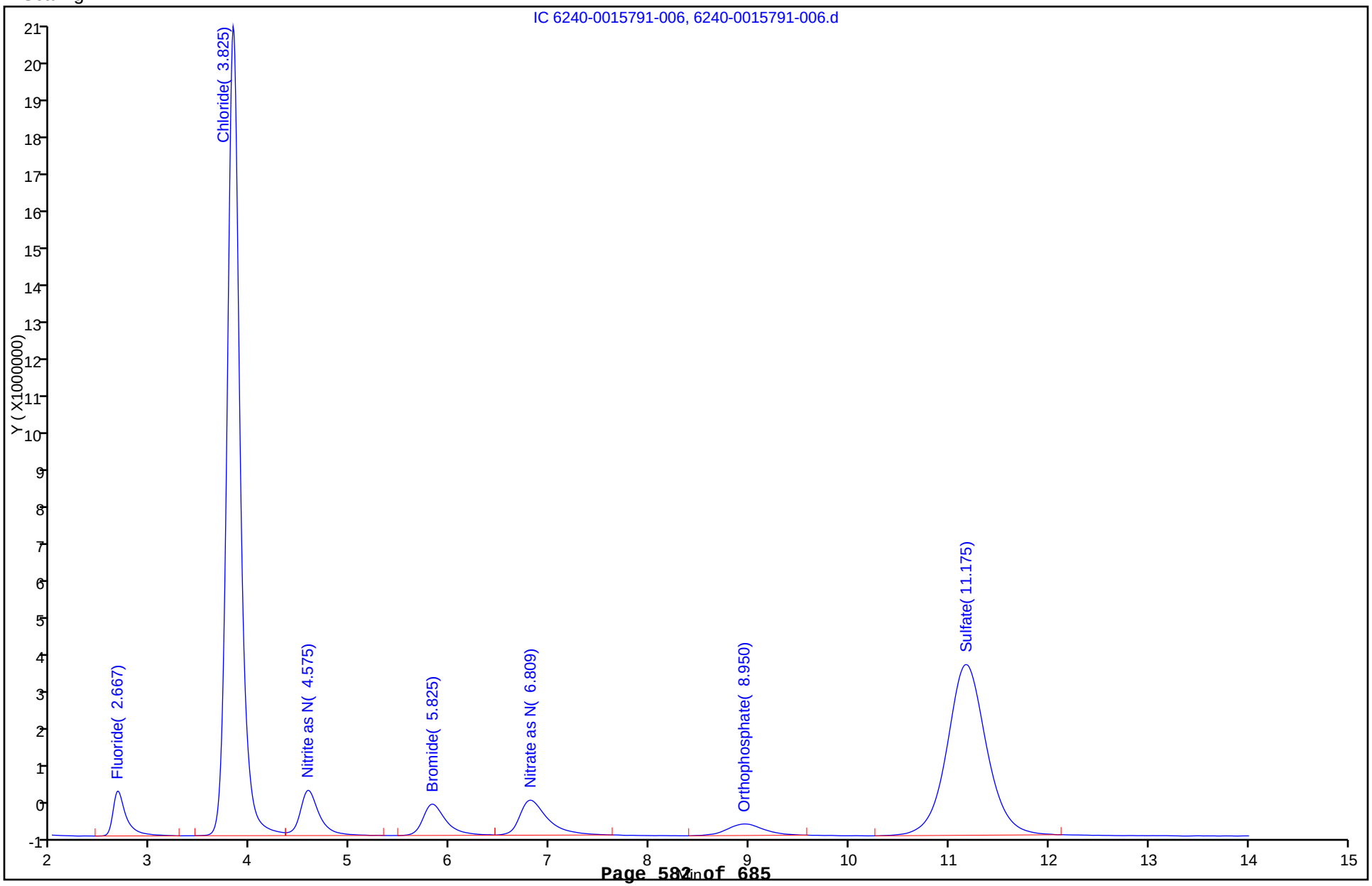
Report Date: 13-Dec-2012 16:49:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\6240-0015791-006.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 07:34:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 6 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

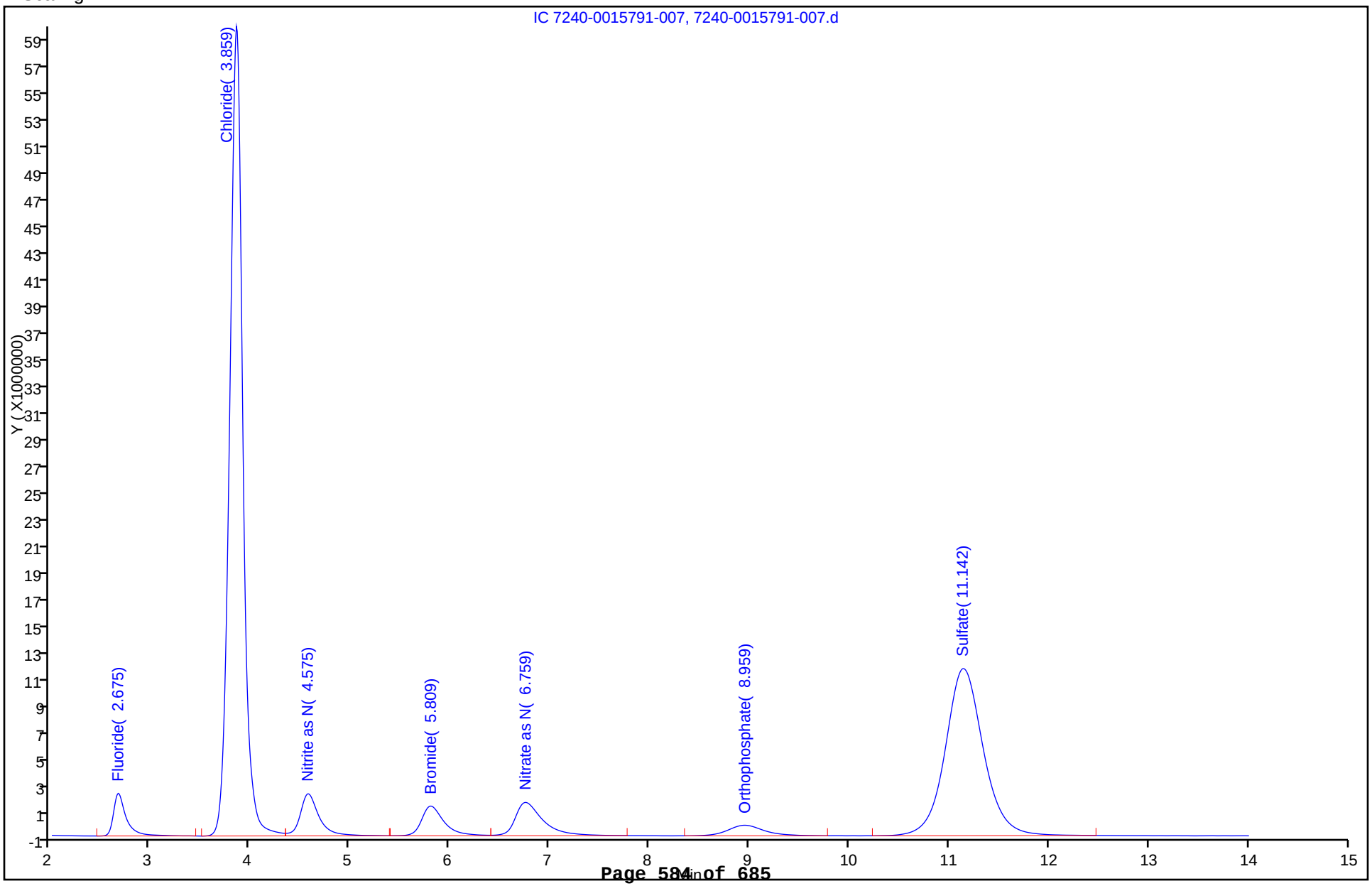
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\7240-0015791-007.d | | |
| Lims ID: | STD5 | Client ID: | |
| Inject. Date: | 13-Dec-2012 07:50:00 | Dil. Factor: | 1.0000 |
| Sample Type: | ICRT | Calib Level: | 5 |
| Sample ID: | 240-0015791-007 | | |
| Misc. Info.: | 7 STD5 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 7 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 7240-0015791-007 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:11 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:36 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 27958493 | 0 | |
| 2 Chloride | 3.859 | 3.859 | 0.0 | 548866878 | 0 | |
| 3 Nitrite as N | 4.575 | 4.575 | 0.0 | 40766162 | 2.58 | |
| 4 Bromide | 5.809 | 5.809 | 0.0 | 34207128 | 0 | |
| 5 Nitrate as N | 6.759 | 6.759 | 0.0 | 47255486 | 2.60 | |
| 6 Orthophosphate | 8.959 | 8.959 | 0.0 | 19856664 | 2.47 | |
| 7 Sulfate | 11.142 | 11.142 | 0.0 | 326634884 | 0 | |

Report Date: 13-Dec-2012 16:49:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\7240-0015791-007.d | | |
| Injection Date: | 13-Dec-2012 07:50:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 7 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\8240-0015791-008.d | | |
| Lims ID: | STD6 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:07:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 6 |
| Sample ID: | 240-0015791-008 | | |
| Misc. Info.: | 8 STD6 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 8 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 8240-0015791-008 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:11 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:15:50 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 45790102 | 0 | |
| 2 Chloride | 3.884 | 3.859 | 0.025 | 921691750 | 0 | |
| 3 Nitrite as N | 4.567 | 4.575 | -0.008 | 65624084 | 4.15 | |
| 4 Bromide | 5.784 | 5.809 | -0.025 | 55331872 | 0 | |
| 5 Nitrate as N | 6.717 | 6.759 | -0.042 | 78349085 | 4.31 | |
| 6 Orthophosphate | 8.942 | 8.959 | -0.017 | 31469500 | 3.91 | |
| 7 Sulfate | 11.125 | 11.142 | -0.017 | 551288141 | 0 | |

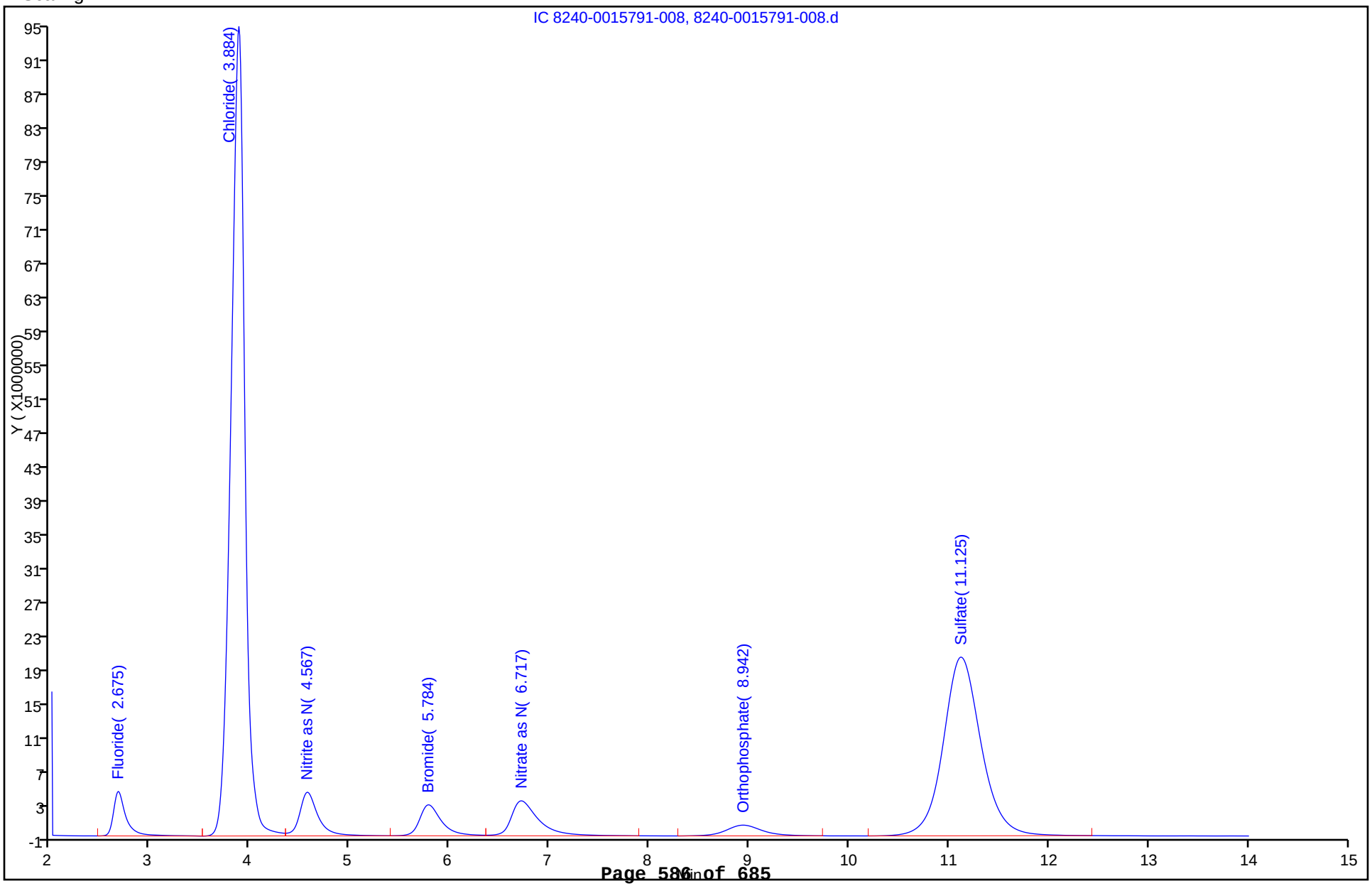
Report Date: 13-Dec-2012 16:49:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\8240-0015791-008.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 08:07:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 8 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\9240-0015791-009.d | | |
| Lims ID: | STD7 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:23:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 7 |
| Sample ID: | 240-0015791-009 | | |
| Misc. Info.: | 9 STD7 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 9 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 9240-0015791-009 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:12 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:16:02 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 58232732 | 0 | |
| 2 Chloride | 3.908 | 3.859 | 0.049 | 1175363601 | 0 | |
| 3 Nitrite as N | 4.583 | 4.575 | 0.008 | 84033984 | 5.32 | |
| 4 Bromide | 5.792 | 5.809 | -0.017 | 70841207 | 0 | |
| 5 Nitrate as N | 6.708 | 6.759 | -0.051 | 98451195 | 5.42 | |
| 6 Orthophosphate | 8.933 | 8.959 | -0.026 | 39548179 | 4.91 | |
| 7 Sulfate | 11.092 | 11.142 | -0.050 | 702884072 | 0 | |

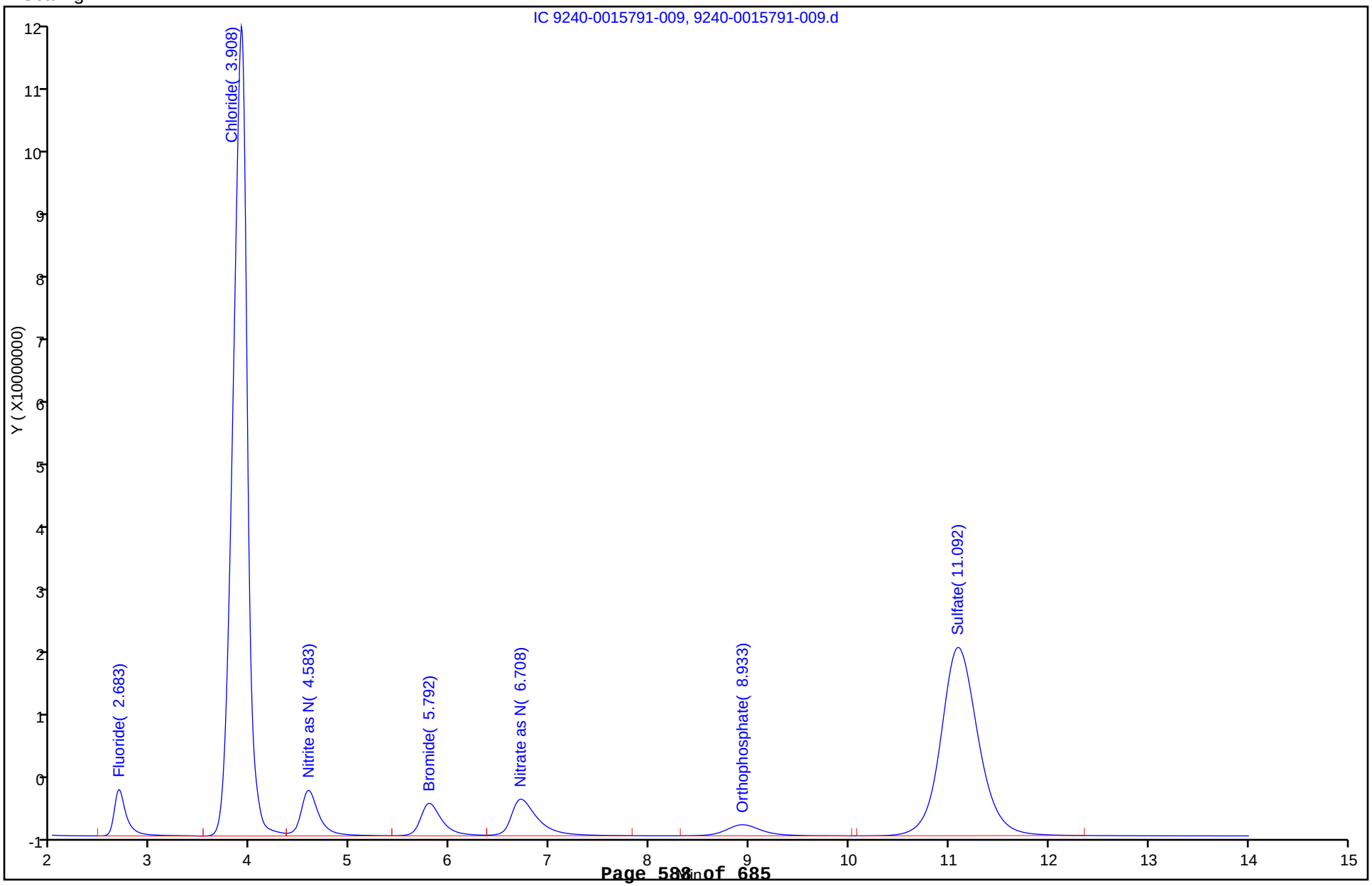
Report Date: 13-Dec-2012 16:49:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\9240-0015791-009.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 08:23:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 9 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\10240-0015791-010.d | | |
| Lims ID: | STD8 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:39:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 8 |
| Sample ID: | 240-0015791-010 | | |
| Misc. Info.: | 10 STD8 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 10 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 10240-0015791-010 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:12 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:16:12 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.675 | 0.0 | 89859899 | 0 | |
| 2 Chloride | 3.933 | 3.859 | 0.074 | 1823819045 | 0 | |
| 3 Nitrite as N | 4.567 | 4.575 | -0.008 | 129492337 | 8.20 | |
| 4 Bromide | 5.767 | 5.809 | -0.042 | 109709733 | 0 | |
| 5 Nitrate as N | 6.667 | 6.759 | -0.092 | 153408127 | 8.44 | |
| 6 Orthophosphate | 8.917 | 8.959 | -0.042 | 60042956 | 7.45 | |
| 7 Sulfate | 11.058 | 11.142 | -0.084 | 1129283383 | 0 | |

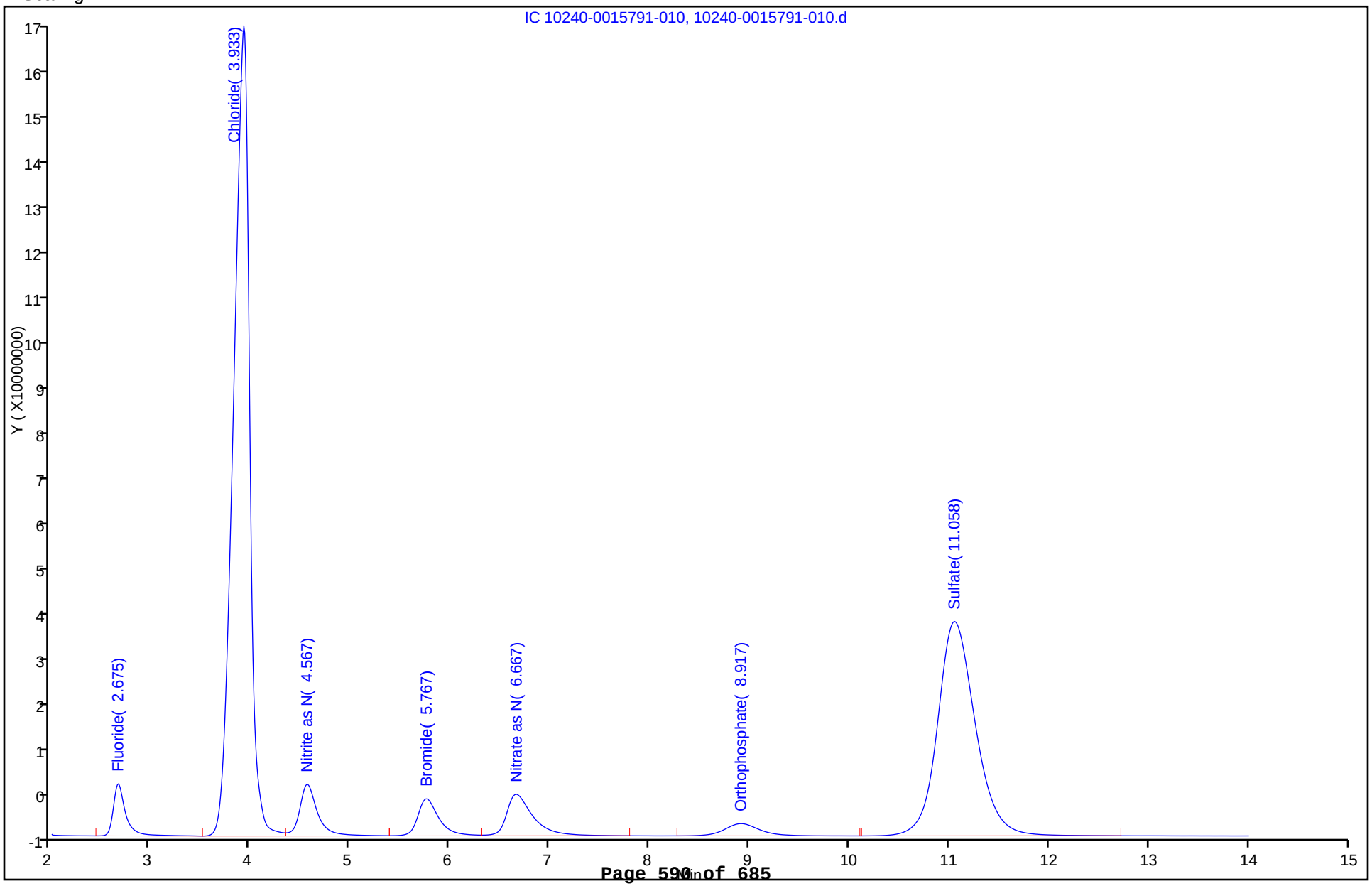
Report Date: 13-Dec-2012 16:49:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\10240-0015791-010.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 08:39:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 10 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Lims ID: | STD9 | Client ID: | |
| Inject. Date: | 13-Dec-2012 08:56:00 | Dil. Factor: | 1.0000 |
| Sample Type: | IC | Calib Level: | 9 |
| Sample ID: | 240-0015791-011 | | |
| Misc. Info.: | 11 STD9 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 11 |
| Sublist: | chrom-300_Simon*sub1 | | |
| Detector: | IC 11240-0015791-011 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:13 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |

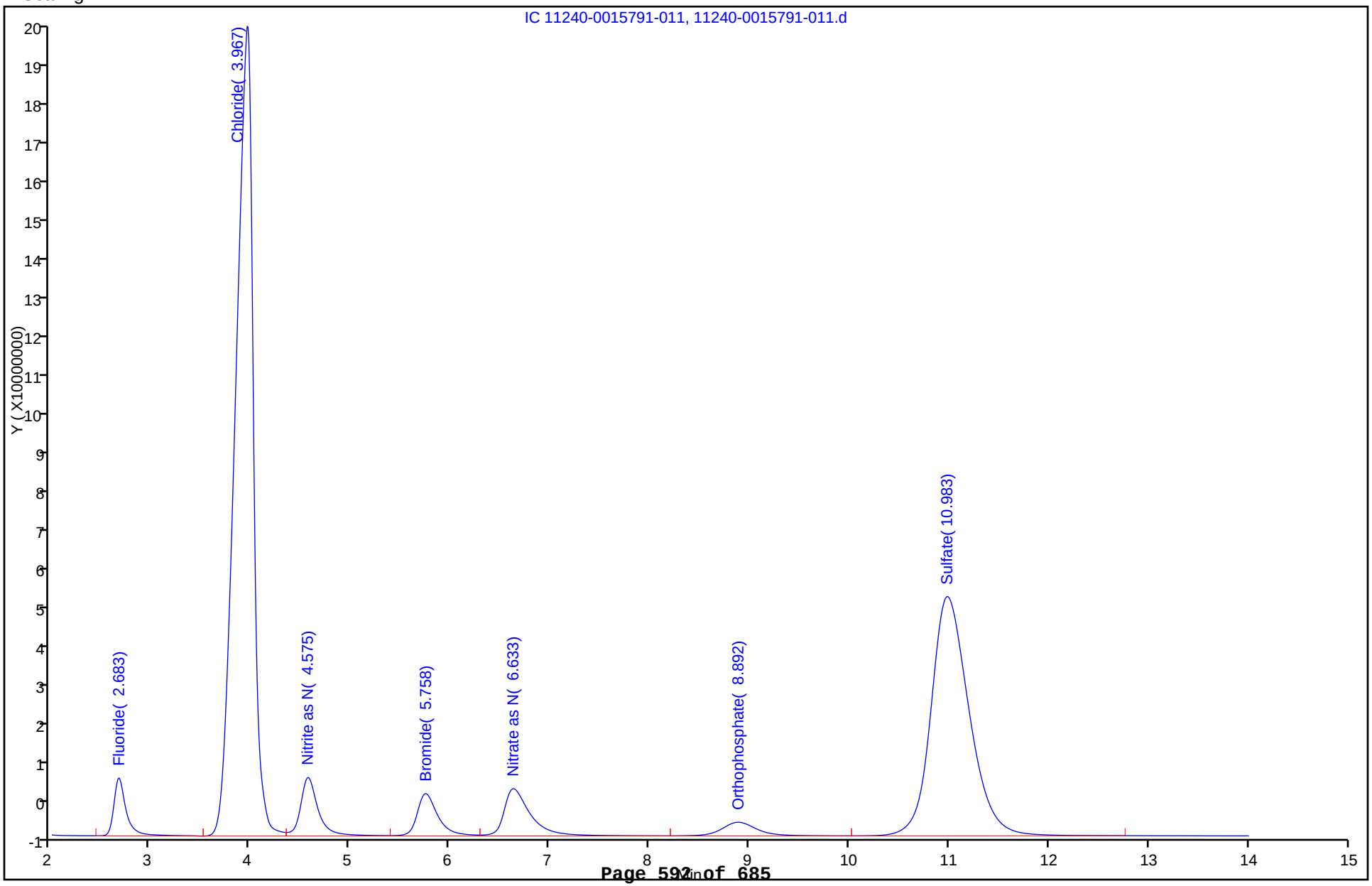
First Level Reviewer: grossmanl Date: 13-Dec-2012 10:16:23

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 123890000 | 0 | |
| 2 Chloride | 3.967 | 3.859 | 0.108 | 2489925023 | 0 | |
| 3 Nitrite as N | 4.575 | 4.575 | 0.0 | 178758297 | 11.3 | |
| 4 Bromide | 5.758 | 5.809 | -0.051 | 151874227 | 0 | |
| 5 Nitrate as N | 6.633 | 6.759 | -0.126 | 215068992 | 11.8 | |
| 6 Orthophosphate | 8.892 | 8.959 | -0.067 | 81900595 | 10.2 | |
| 7 Sulfate | 10.983 | 11.142 | -0.159 | 1569067582 | 0 | |

Report Date: 13-Dec-2012 16:49:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Injection Date: | 13-Dec-2012 08:56:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 11 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Laboratories
Initial Calibration Report

Method: \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m
Instrument: SIMON Lims Location: 240
Lock State: Unlocked Cpnd Order: Retention Time
Integrator: Falcon Last Modified: 13-Dec-2012 16:45:03
No.Compounds:7

## Initial Calibration Batches

Ical Batch: \\Ncchrom\ChromData\SIMON\20121213-15791.b
Inj Date : 13-Dec-2012 06:45:00, Sublist: chrom-300_Simon*sub1

Limit Group: WET IC SH ICAL

Detector 1: IC 0001

| Compound | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 | Level 9 | b | M1 | M2 | %RSD/R^2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 Nitrite as N | 11555940 | 14914852 | 15579954 | 15498024 | 16306465 | 16406021 | 16806797 | 17265645 | 17875830 | | 15801059 | | Avg 12 |
| 5 Nitrate as N | 14171580 | 15622316 | 16187708 | 17478419 | 18902194 | 19587271 | 19690239 | 20454417 | 21506899 | | 18177894 | | Avg 13 |
| 6 Orthophosphate | 11258720 | 6913776 | 6895844 | 7507929 | 7942666 | 7867375 | 7909636 | 8005727 | 8190060 | | 8054637 | | Avg 16 |

TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\13240-0015791-013.d | | |
| Lims ID: | ICV | Client ID: | |
| Inject. Date: | 13-Dec-2012 09:29:00 | Dil. Factor: | 1.0000 |
| Sample Type: | ICV | | |
| Sample ID: | 240-0015791-013 | | |
| Misc. Info.: | 13 ICV | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 68462 | Lims Sample ID: | 13 |
| Sublist: | | | |
| Detector: | IC 13240-0015791-013 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\300_Simon.m | | |
| Last Update: | 13-Dec-2012 16:49:13 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK022 | | |
| First Level Reviewer: grossmanl | | Date: | 13-Dec-2012 10:16:38 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.675 | 0.008 | 28025834 | 0 | |
| 2 Chloride | 3.875 | 3.859 | 0.016 | 534876666 | 0 | |
| 3 Nitrite as N | 4.592 | 4.575 | 0.017 | 41731203 | 2.64 | |
| 4 Bromide | 5.817 | 5.809 | 0.008 | 33475811 | 0 | |
| 5 Nitrate as N | 6.767 | 6.759 | 0.008 | 46472236 | 2.56 | |
| 6 Orthophosphate | 8.933 | 8.959 | -0.026 | 19365590 | 2.40 | |
| 7 Sulfate | 11.125 | 11.142 | -0.017 | 317725298 | 0 | |

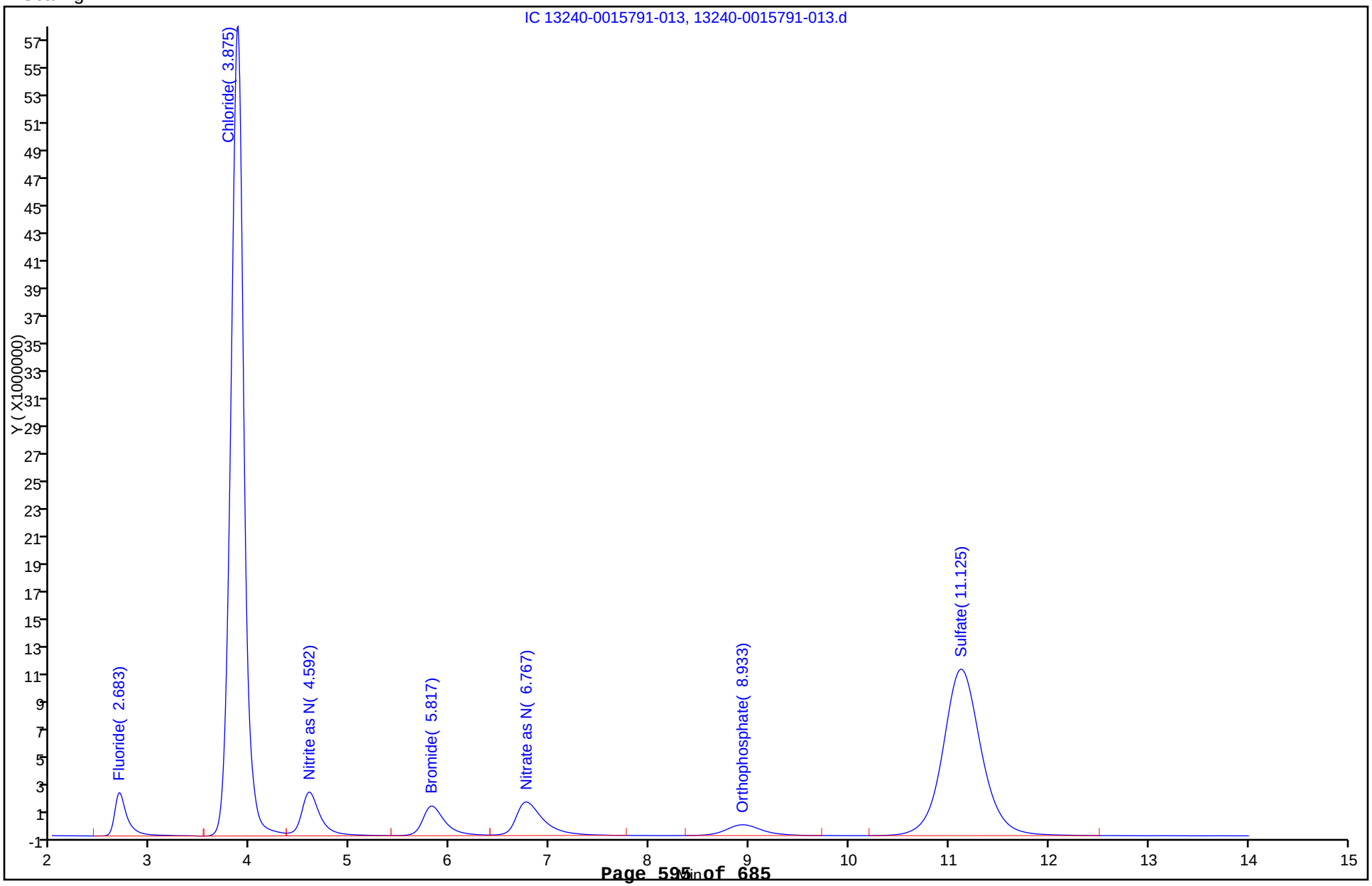
Report Date: 13-Dec-2012 16:49:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20121213-15791.b\13240-0015791-013.d

| | | | |
|---|---|---|---|
| Injection Date: | 13-Dec-2012 09:29:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 68462 | Lims Sample ID: | 13 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\2240-0017270-002.d | | |
| Lims ID: | CCV | Client ID: | |
| Inject. Date: | 11-Feb-2013 15:14:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCV | | |
| Sample ID: | 240-0017270-002 | | |
| Misc. Info.: | 2 ccv | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 2 |
| Detector: | IC 2240-0017270-002 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.650 | 2.650 | 0.0 | 27716200 | 0 | |
| 2 Chloride | 3.717 | 3.717 | 0.0 | 546230232 | 0 | |
| 3 Nitrite as N | 4.309 | 4.309 | 0.0 | 43387550 | 2.75 | |
| 4 Bromide | 5.350 | 5.350 | 0.0 | 35342418 | 0 | |
| 5 Nitrate as N | 6.125 | 6.125 | 0.0 | 49317101 | 2.71 | |
| 6 Orthophosphate | 8.217 | 8.217 | 0.0 | 18438155 | 2.29 | |
| 7 Sulfate | 10.192 | 10.192 | 0.0 | 331967706 | 0 | |

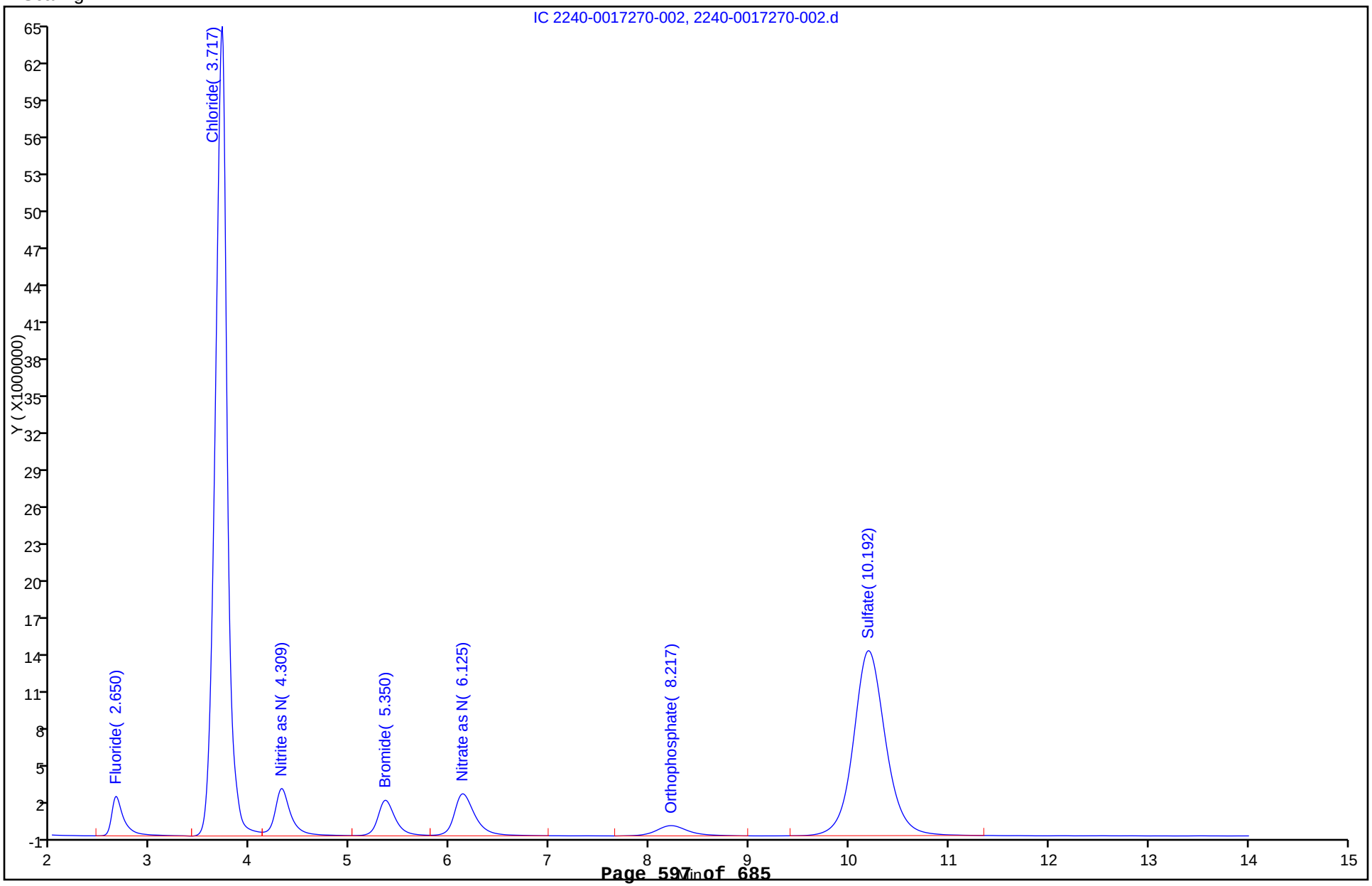
Report Date: 12-Feb-2013 08:03:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\2240-0017270-002.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 15:14:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 2 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\3240-0017270-003.d | | |
| Lims ID: | CCB | Client ID: | |
| Inject. Date: | 11-Feb-2013 15:30:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCB | | |
| Sample ID: | 240-0017270-003 | | |
| Misc. Info.: | 3 ccb | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 3 |
| Detector: | IC 3240-0017270-003 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.650 | | | | 1 |
| 2 Chloride | | 3.717 | | | | |
| 3 Nitrite as N | 4.350 | 4.309 | 0.041 | 270464 | 0.0171 | |
| 4 Bromide | | 5.350 | | | | 1 |
| 5 Nitrate as N | | 6.125 | | | | 1 |
| 6 Orthophosphate | | 8.217 | | | | 1 |
| 7 Sulfate | | 10.192 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks

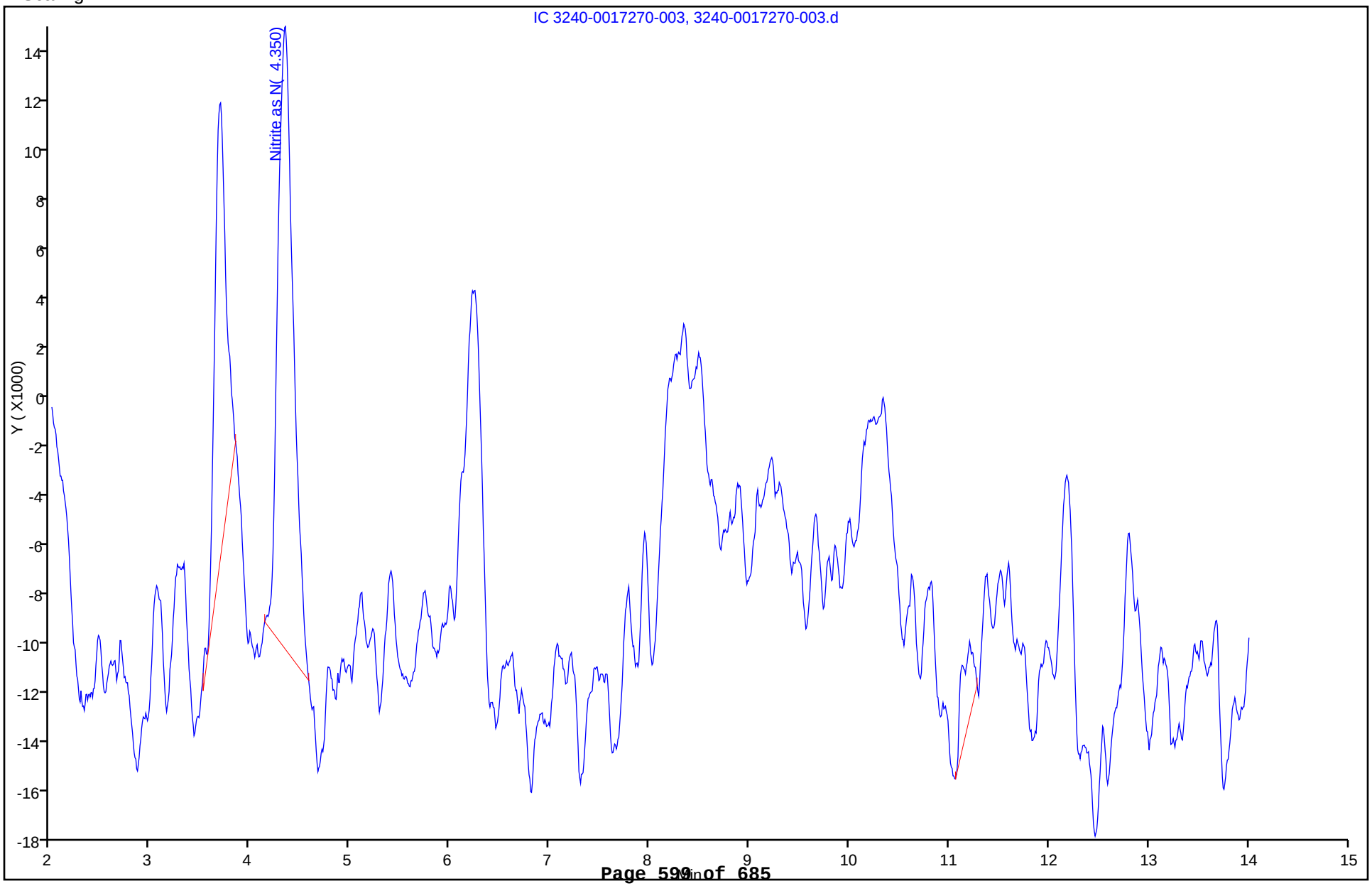
Report Date: 12-Feb-2013 08:03:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\3240-0017270-003.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 15:30:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 3 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\4240-0017270-004.d | | |
| Lims ID: | MB | Client ID: | |
| Inject. Date: | 11-Feb-2013 15:47:00 | Dil. Factor: | 1.0000 |
| Sample Type: | MB | | |
| Sample ID: | 240-0017270-004 | | |
| Misc. Info.: | 4 mb | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 4 |
| Detector: | IC 4240-0017270-004 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.650 | | | | 1 |
| 2 Chloride | | 3.717 | | | | |
| 3 Nitrite as N | 4.350 | 4.309 | 0.041 | 205300 | 0.0130 | |
| 4 Bromide | | 5.350 | | | | 1 |
| 5 Nitrate as N | 6.225 | 6.125 | 0.100 | 25759 | 0.001417 | 7 |
| 6 Orthophosphate | | 8.217 | | | | 1 |
| 7 Sulfate | | 10.192 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

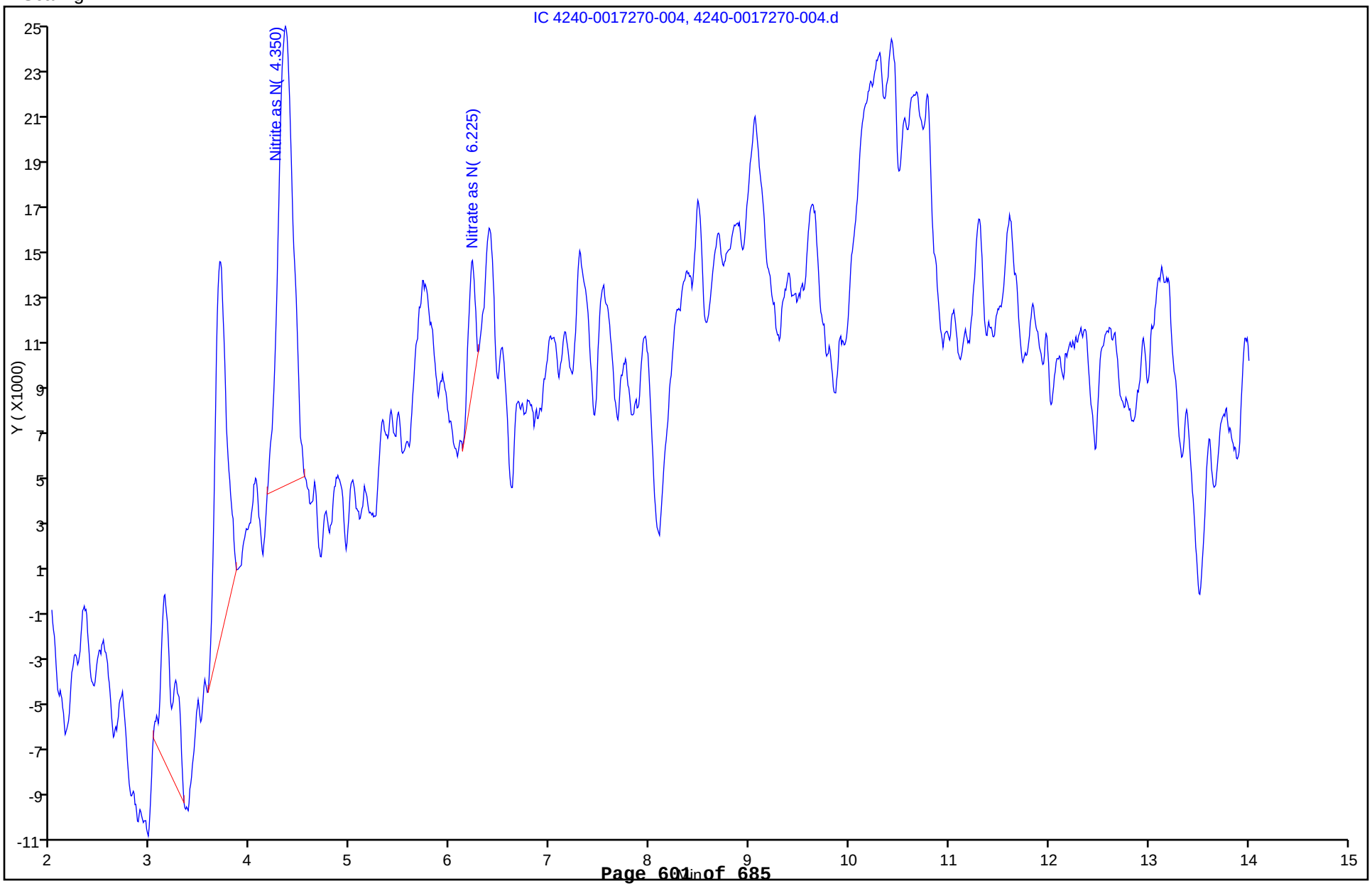
Report Date: 12-Feb-2013 08:03:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\4240-0017270-004.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 15:47:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 4 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\5240-0017270-005.d | | |
| Lims ID: | LCS | Client ID: | |
| Inject. Date: | 11-Feb-2013 16:03:00 | Dil. Factor: | 1.0000 |
| Sample Type: | LCS | | |
| Sample ID: | 240-0017270-005 | | |
| Misc. Info.: | 5 lcs | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 5 |
| Detector: | IC 5240-0017270-005 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.667 | 2.650 | 0.017 | 27142182 | 0 | |
| 2 Chloride | 3.742 | 3.717 | 0.025 | 547339964 | 0 | |
| 3 Nitrite as N | 4.342 | 4.309 | 0.033 | 41786540 | 2.64 | |
| 4 Bromide | 5.384 | 5.350 | 0.034 | 34250680 | 0 | |
| 5 Nitrate as N | 6.167 | 6.125 | 0.042 | 49300746 | 2.71 | |
| 6 Orthophosphate | 8.242 | 8.217 | 0.025 | 18553526 | 2.30 | |
| 7 Sulfate | 10.225 | 10.192 | 0.033 | 328965334 | 0 | |

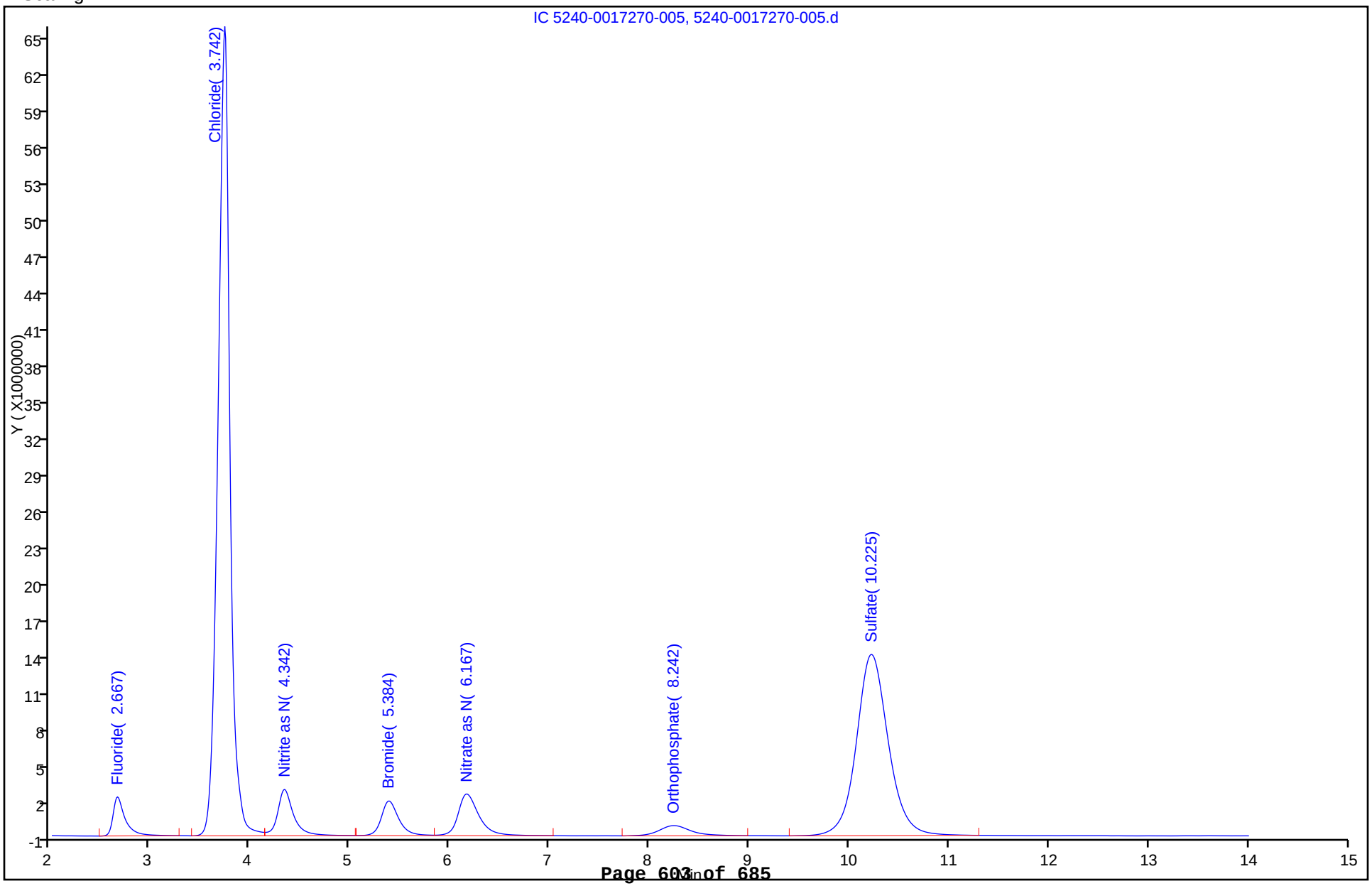
Report Date: 12-Feb-2013 08:03:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\5240-0017270-005.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 16:03:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 5 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\7240-0017270-007.d | | |
| Lims ID: | 240-20928-I-5 | Client ID: | MW-4 |
| Inject. Date: | 11-Feb-2013 16:36:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-007 | | |
| Misc. Info.: | 7 mw4 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 7 |
| Detector: | IC 7240-0017270-007 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | 6.258 | 6.125 | 0.133 | 688865 | 0.0379 | |

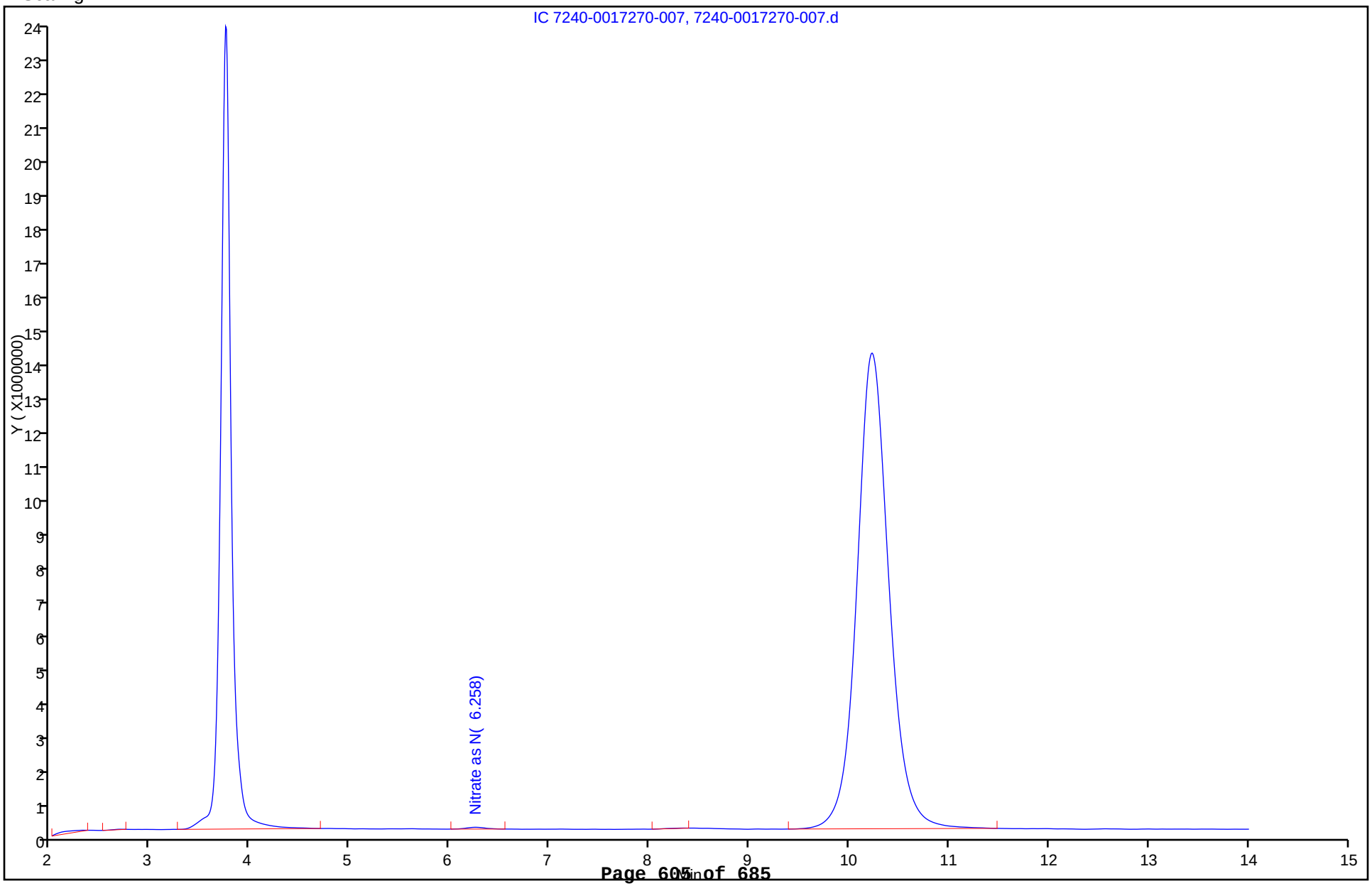
Report Date: 12-Feb-2013 08:03:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\7240-0017270-007.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 16:36:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | MW-4 | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 7 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\8240-0017270-008.d | | |
| Lims ID: | 240-20928-I-4 | Client ID: | OW-21 |
| Inject. Date: | 11-Feb-2013 16:53:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-008 | | |
| Misc. Info.: | 8 ow-21 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 8 |
| Detector: | IC 8240-0017270-008 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | | 6.125 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks

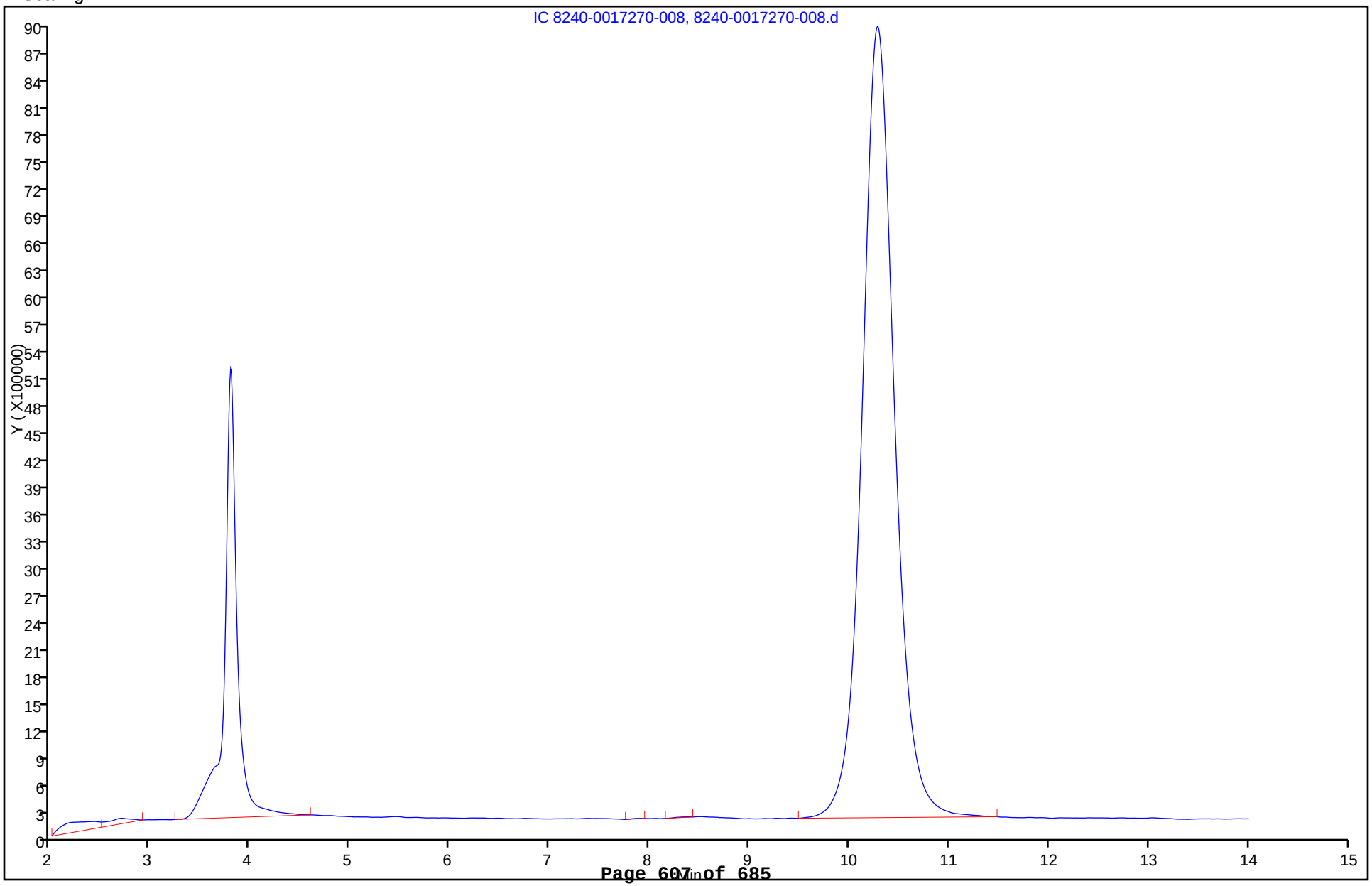
Report Date: 12-Feb-2013 08:03:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\8240-0017270-008.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 16:53:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-21 | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 8 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\9240-0017270-009.d | | |
| Lims ID: | 240-20928-I-8 | Client ID: | OW-18 |
| Inject. Date: | 11-Feb-2013 17:09:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-009 | | |
| Misc. Info.: | 9 ow-18 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 9 |
| Detector: | IC 9240-0017270-009 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.759 | 2.650 | 0.109 | 311125 | 0 | |
| 2 Chloride | 3.900 | 3.717 | 0.183 | 168505224 | 0 | |
| 3 Nitrite as N | | 4.309 | | | | 1 |
| 4 Bromide | 5.484 | 5.350 | 0.134 | 706811 | 0 | |
| 5 Nitrate as N | 6.300 | 6.125 | 0.175 | 1076089 | 0.0592 | |
| 6 Orthophosphate | | 8.217 | | | | 1 |
| 7 Sulfate | 10.292 | 10.192 | 0.100 | 19189809 | 0 | |

QC Flag Legend

Processing Flags
1 - Missing Peaks

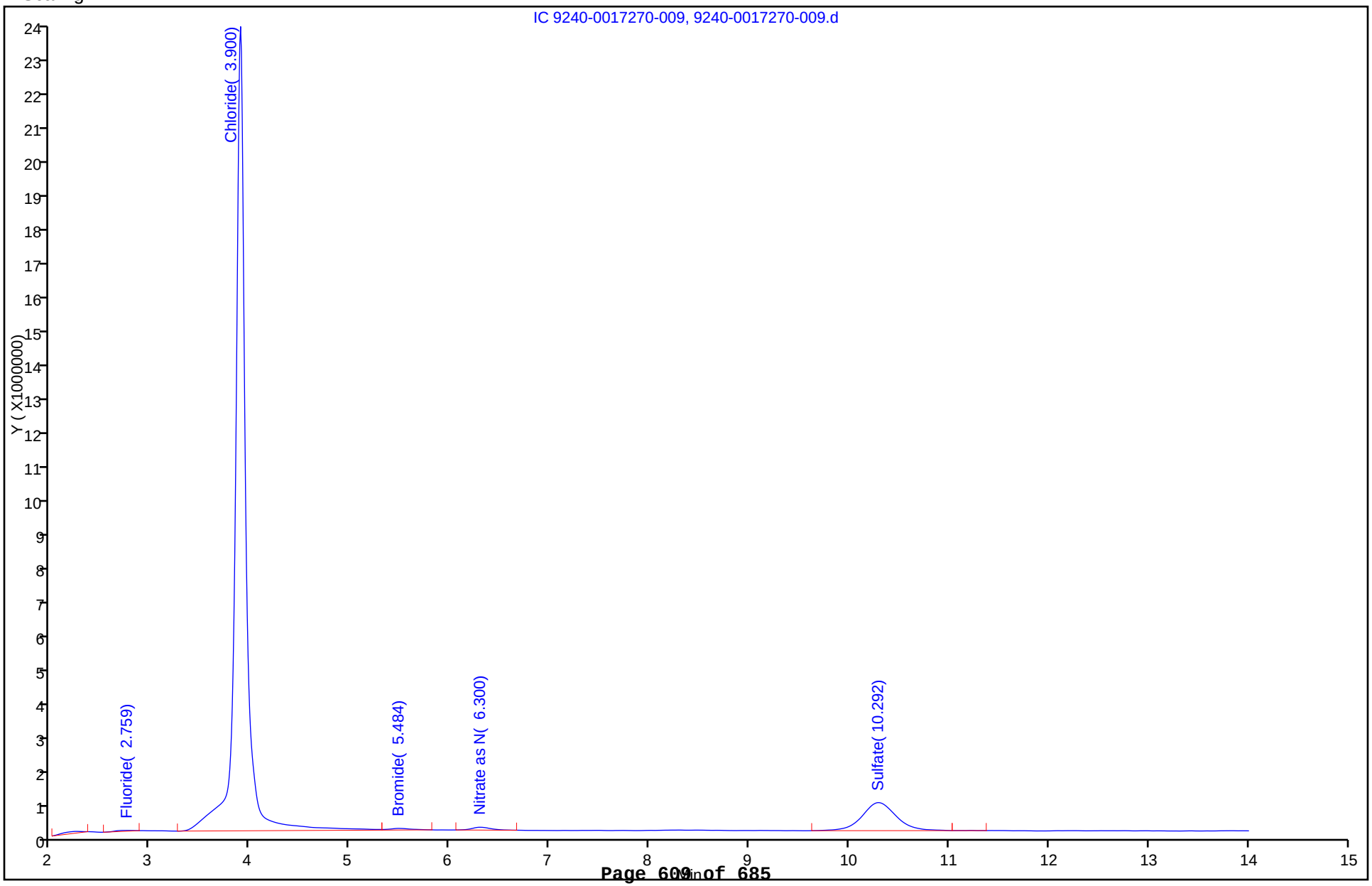
Report Date: 12-Feb-2013 08:03:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\9240-0017270-009.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:09:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-18 | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 9 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\10240-0017270-010.d | | |
| Lims ID: | 240-20928-I-8 MS | Client ID: | |
| Inject. Date: | 11-Feb-2013 17:25:00 | Dil. Factor: | 1.0000 |
| Sample Type: | MS | | |
| Sample ID: | 240-0017270-010 | | |
| Misc. Info.: | 10 ow-18 ms | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 10 |
| Detector: | IC 10240-0017270-010 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.684 | 2.650 | 0.034 | 38018946 | 0 | |
| 2 Chloride | 3.942 | 3.717 | 0.225 | 833761159 | 0 | |
| 3 Nitrite as N | 4.450 | 4.309 | 0.141 | 54062801 | 3.42 | |
| 4 Bromide | 5.475 | 5.350 | 0.125 | 42022699 | 0 | |
| 5 Nitrate as N | 6.242 | 6.125 | 0.117 | 57687641 | 3.17 | |
| 6 Orthophosphate | 8.384 | 8.217 | 0.167 | 5984834 | 0.7430 | |
| 7 Sulfate | 10.259 | 10.192 | 0.067 | 404005051 | 0 | |

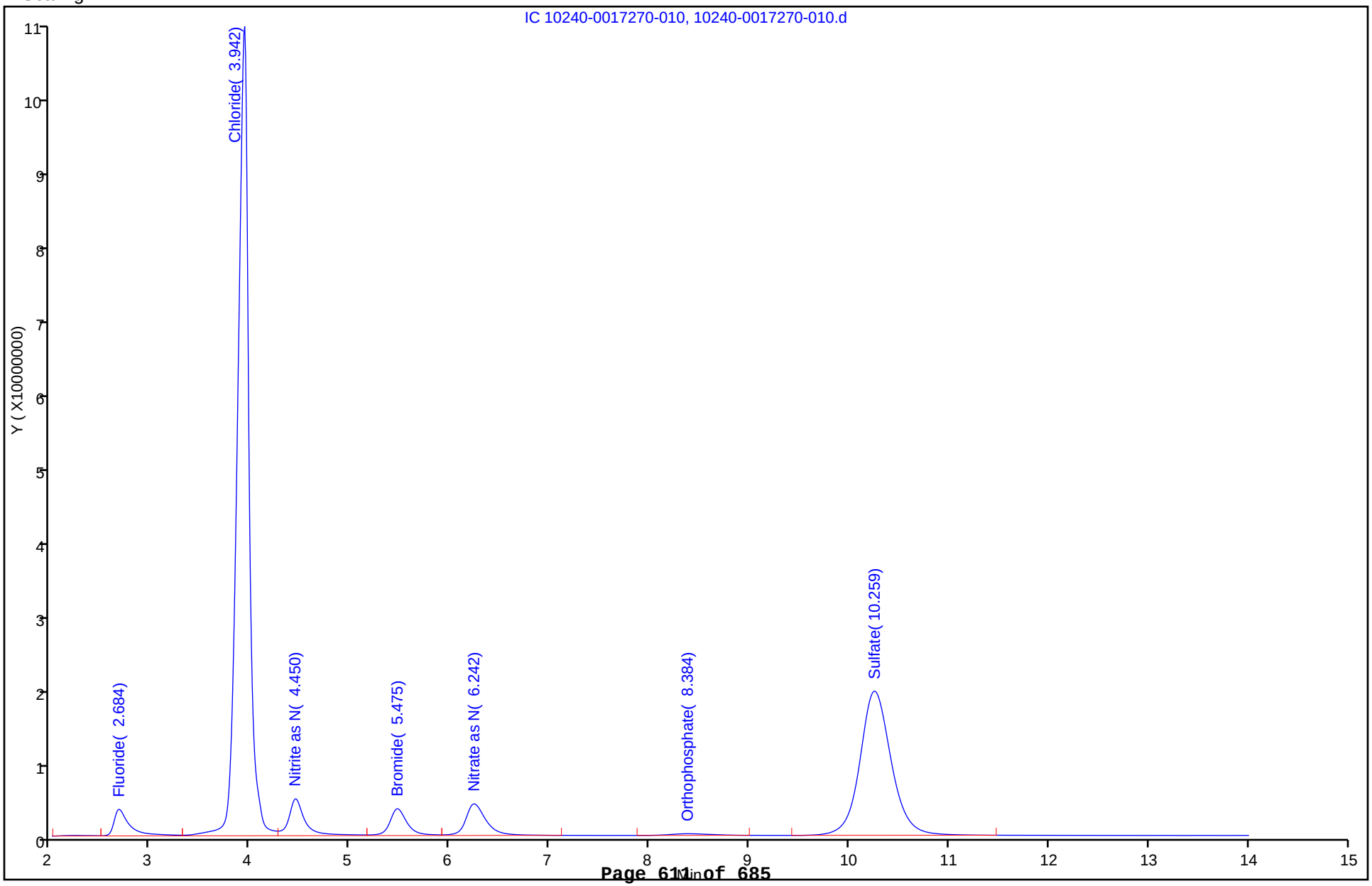
Report Date: 12-Feb-2013 08:03:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\10240-0017270-010.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:25:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 10 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\11240-0017270-011.d | | |
| Lims ID: | 240-20928-I-3 | Client ID: | OW-22 |
| Inject. Date: | 11-Feb-2013 17:42:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-011 | | |
| Misc. Info.: | 11 ow-22 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 11 |
| Detector: | IC 11240-0017270-011 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | | 6.125 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks

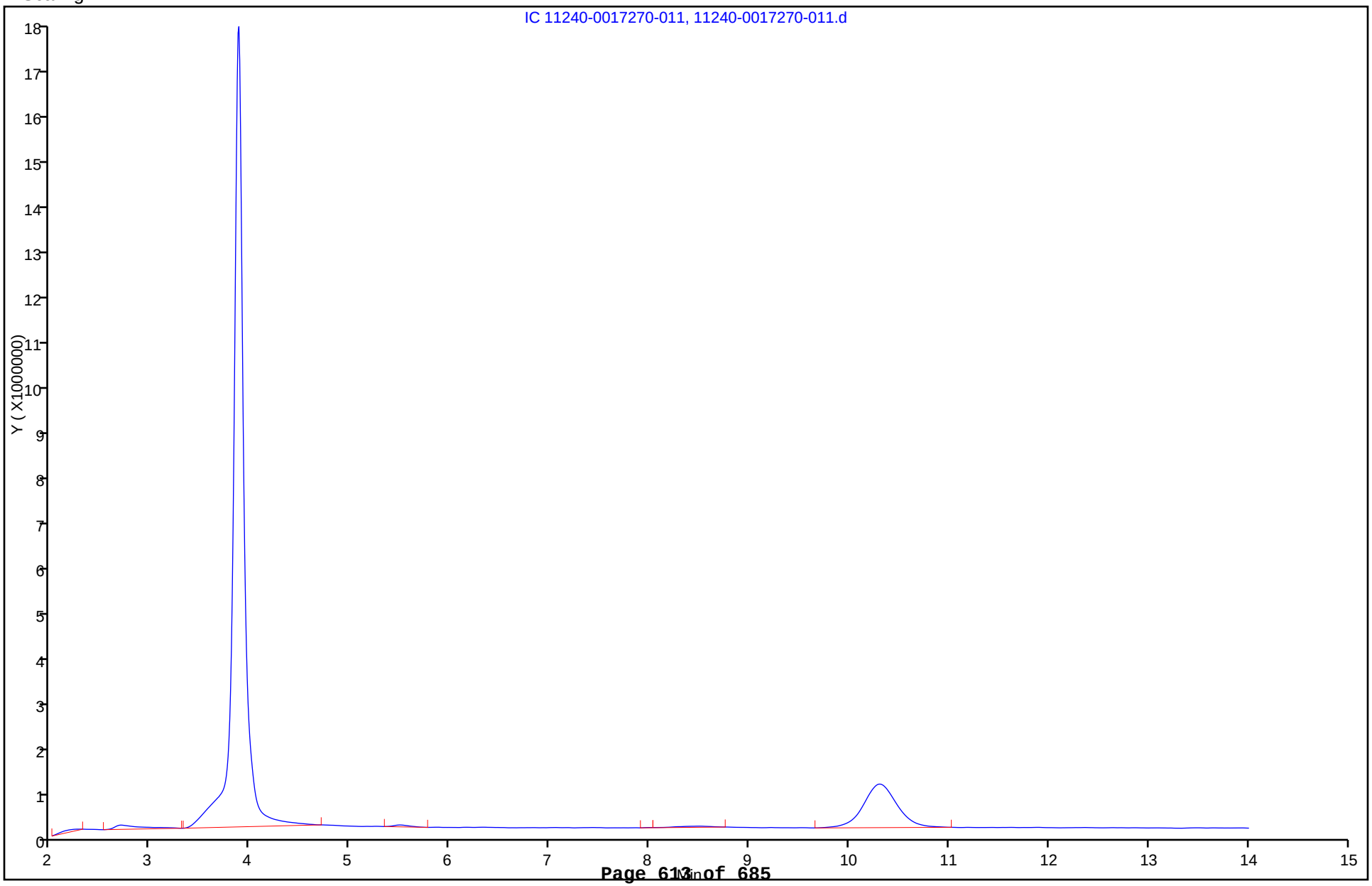
Report Date: 12-Feb-2013 08:03:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\11240-0017270-011.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:42:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-22 | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 11 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\12240-0017270-012.d | | |
| Lims ID: | 240-20928-I-9 | Client ID: | OW-24 |
| Inject. Date: | 11-Feb-2013 17:58:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-012 | | |
| Misc. Info.: | 12 ow24 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 12 |
| Detector: | IC 12240-0017270-012 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | 6.250 | 6.125 | 0.125 | 3567955 | 0.1963 | |

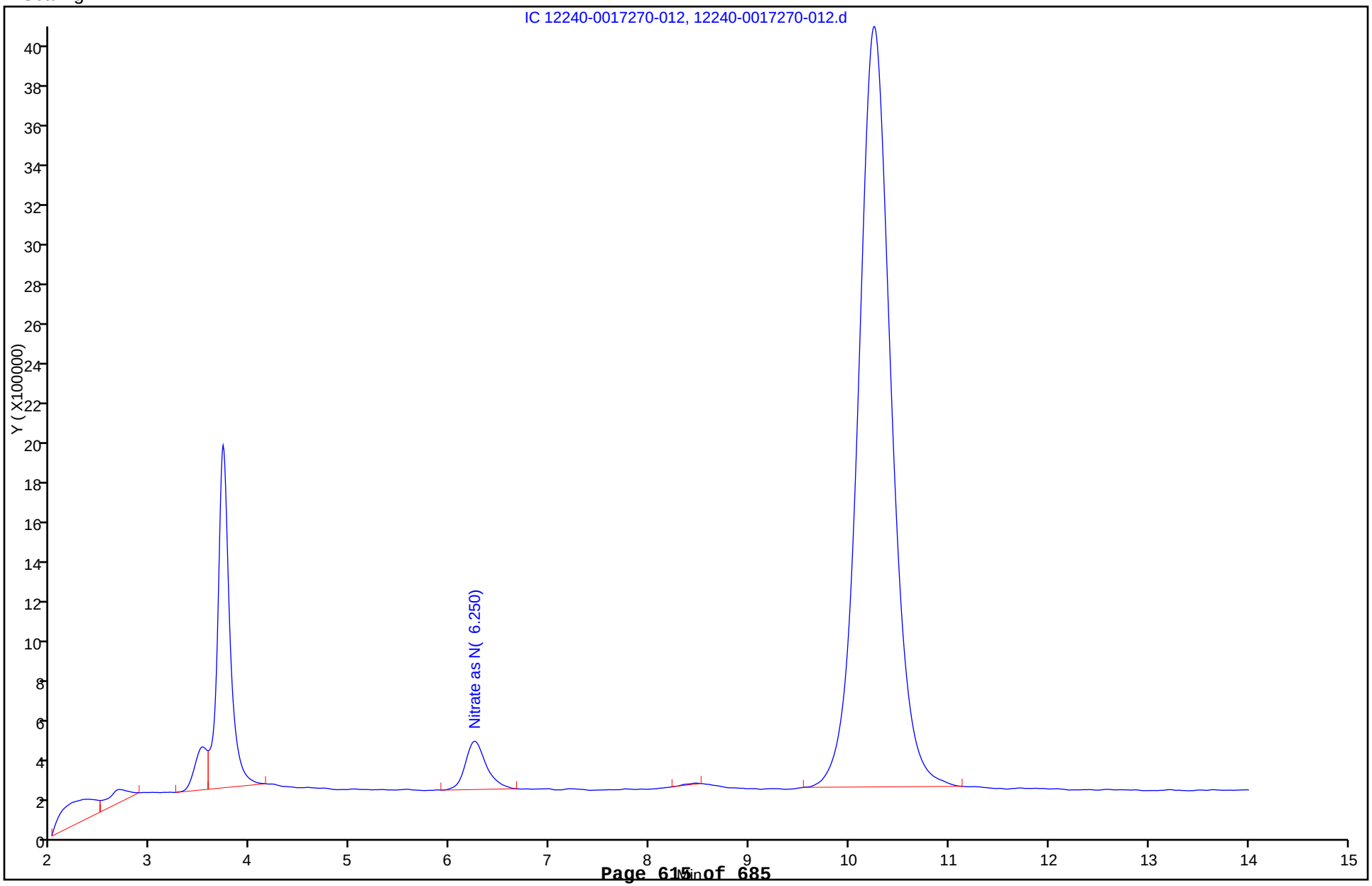
Report Date: 12-Feb-2013 08:03:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\12240-0017270-012.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 17:58:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-24 | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 12 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

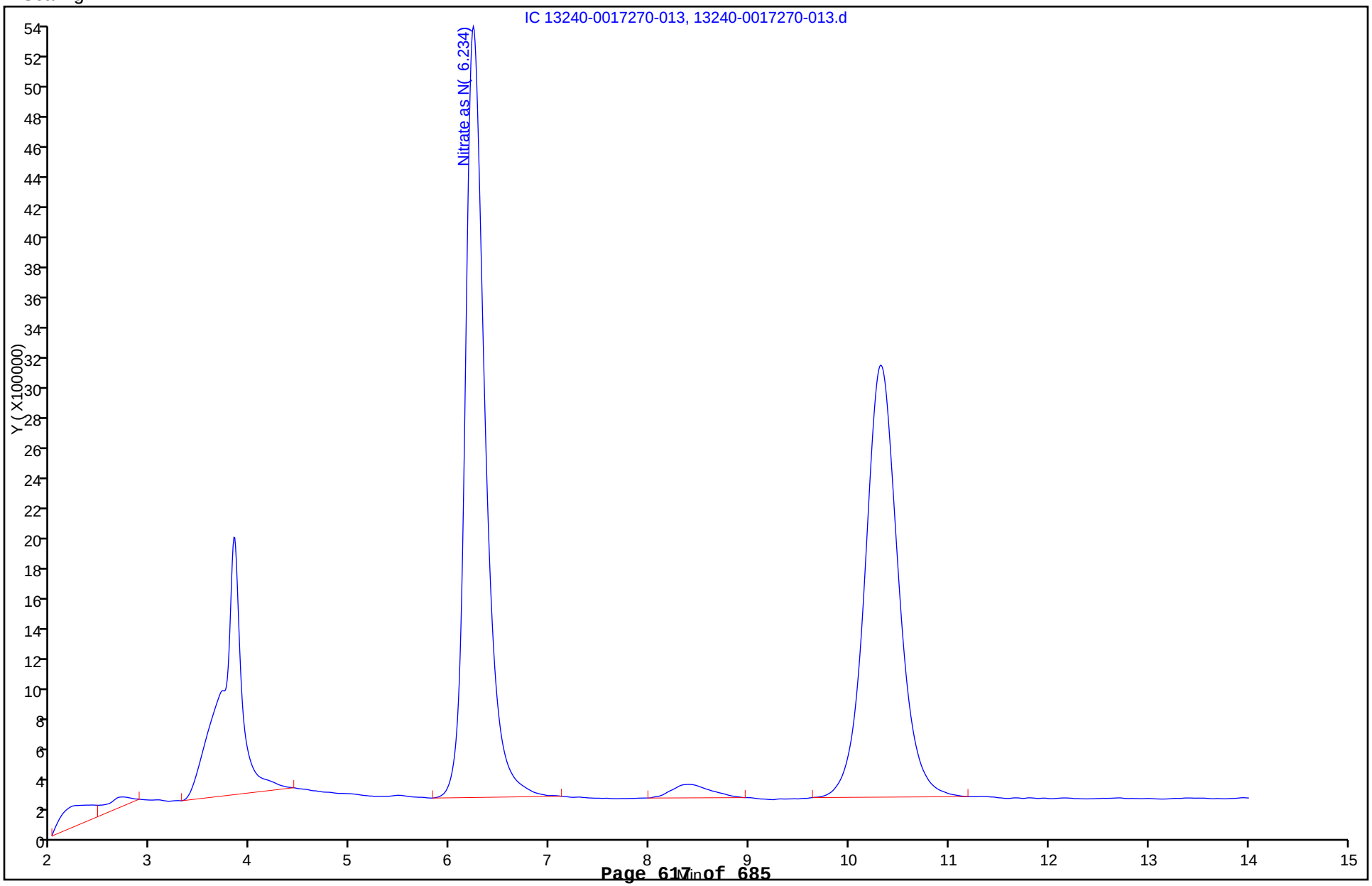
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\13240-0017270-013.d | | |
| Lims ID: | 240-20928-I-12 | Client ID: | OW-25 |
| Inject. Date: | 11-Feb-2013 18:15:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-013 | | |
| Misc. Info.: | 13 ow25 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 13 |
| Detector: | IC 13240-0017270-013 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:52 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | 6.234 | 6.125 | 0.109 | 71360652 | 3.93 | |

Report Date: 12-Feb-2013 08:03:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\13240-0017270-013.d | | |
| Injection Date: | 11-Feb-2013 18:15:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-25 | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 13 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\14240-0017270-014.d | | |
| Lims ID: | CCV | Client ID: | |
| Inject. Date: | 11-Feb-2013 18:31:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCV | | |
| Sample ID: | 240-0017270-014 | | |
| Misc. Info.: | 14 ccv | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 14 |
| Detector: | IC 14240-0017270-014 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:57 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.642 | 2.642 | 0.0 | 27829938 | 0 | |
| 2 Chloride | 3.709 | 3.709 | 0.0 | 548747280 | 0 | |
| 3 Nitrite as N | 4.317 | 4.317 | 0.0 | 43408758 | 2.75 | |
| 4 Bromide | 5.367 | 5.367 | 0.0 | 35472812 | 0 | |
| 5 Nitrate as N | 6.150 | 6.150 | 0.0 | 49369740 | 2.72 | |
| 6 Orthophosphate | 8.200 | 8.200 | 0.0 | 18917083 | 2.35 | |
| 7 Sulfate | 10.175 | 10.175 | 0.0 | 334271423 | 0 | |

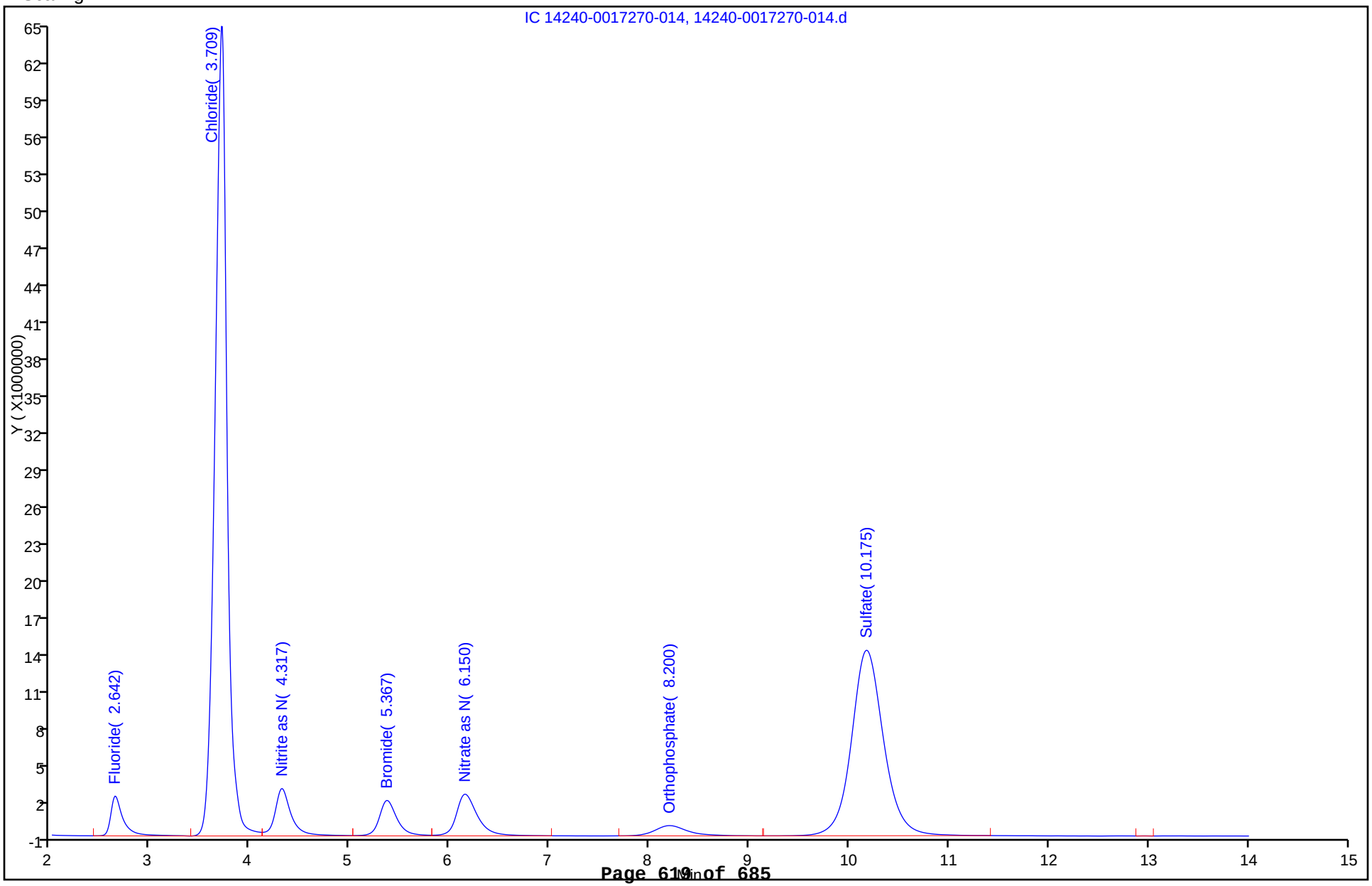
Report Date: 12-Feb-2013 08:03:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\14240-0017270-014.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 18:31:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 14 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\15240-0017270-015.d | | |
| Lims ID: | CCB | Client ID: | |
| Inject. Date: | 11-Feb-2013 18:47:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCB | | |
| Sample ID: | 240-0017270-015 | | |
| Misc. Info.: | 15 ccb | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 15 |
| Detector: | IC 15240-0017270-015 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:57 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.642 | | | | 1 |
| 2 Chloride | | 3.709 | | | | |
| 3 Nitrite as N | | 4.317 | | | | 1 |
| 4 Bromide | | 5.367 | | | | 1 |
| 5 Nitrate as N | | 6.150 | | | | 1 |
| 6 Orthophosphate | 8.342 | 8.200 | 0.142 | 32117 | 0.003987 | 7 |
| 7 Sulfate | | 10.175 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

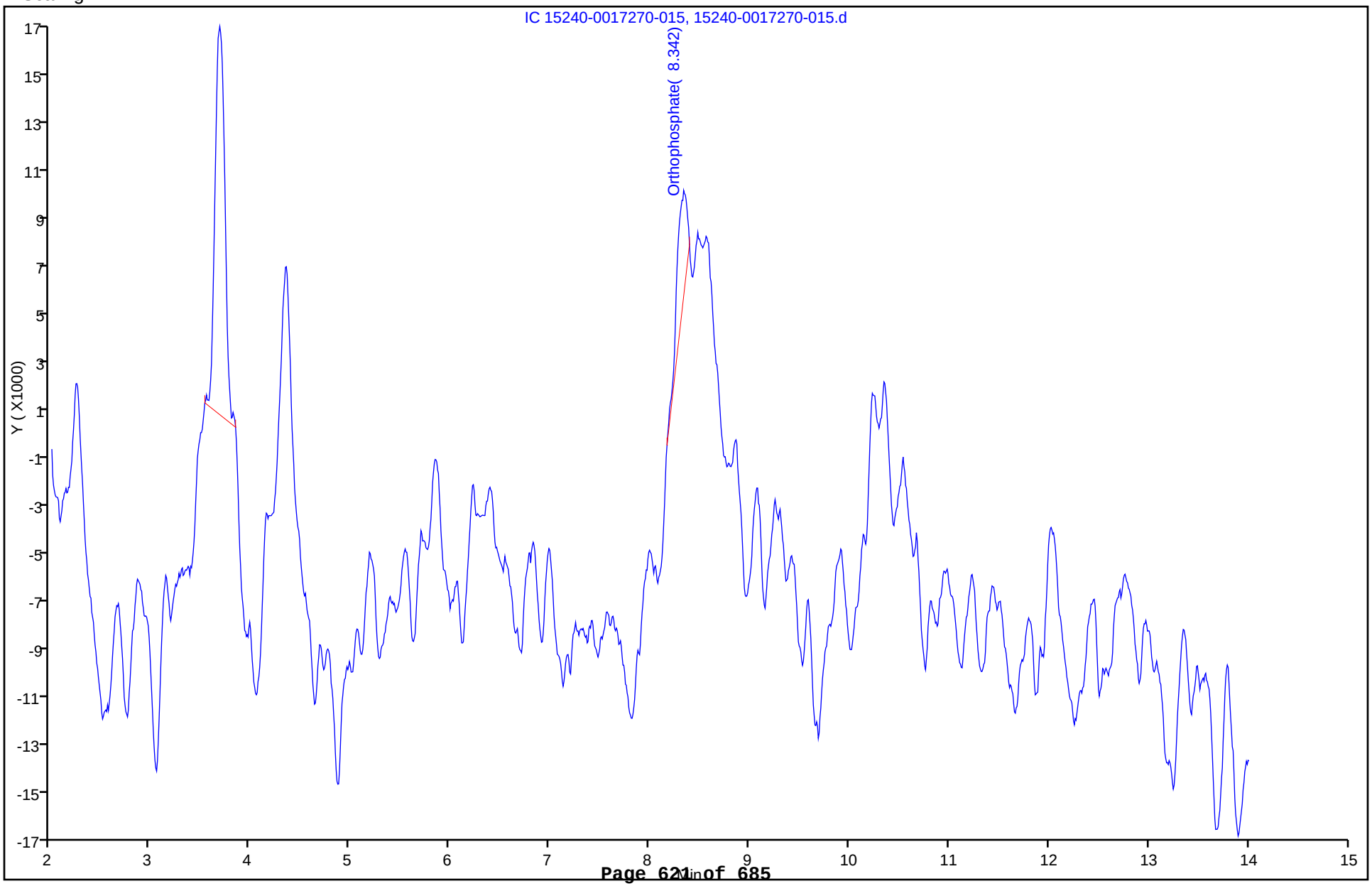
Report Date: 12-Feb-2013 08:03:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\15240-0017270-015.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 18:47:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 15 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

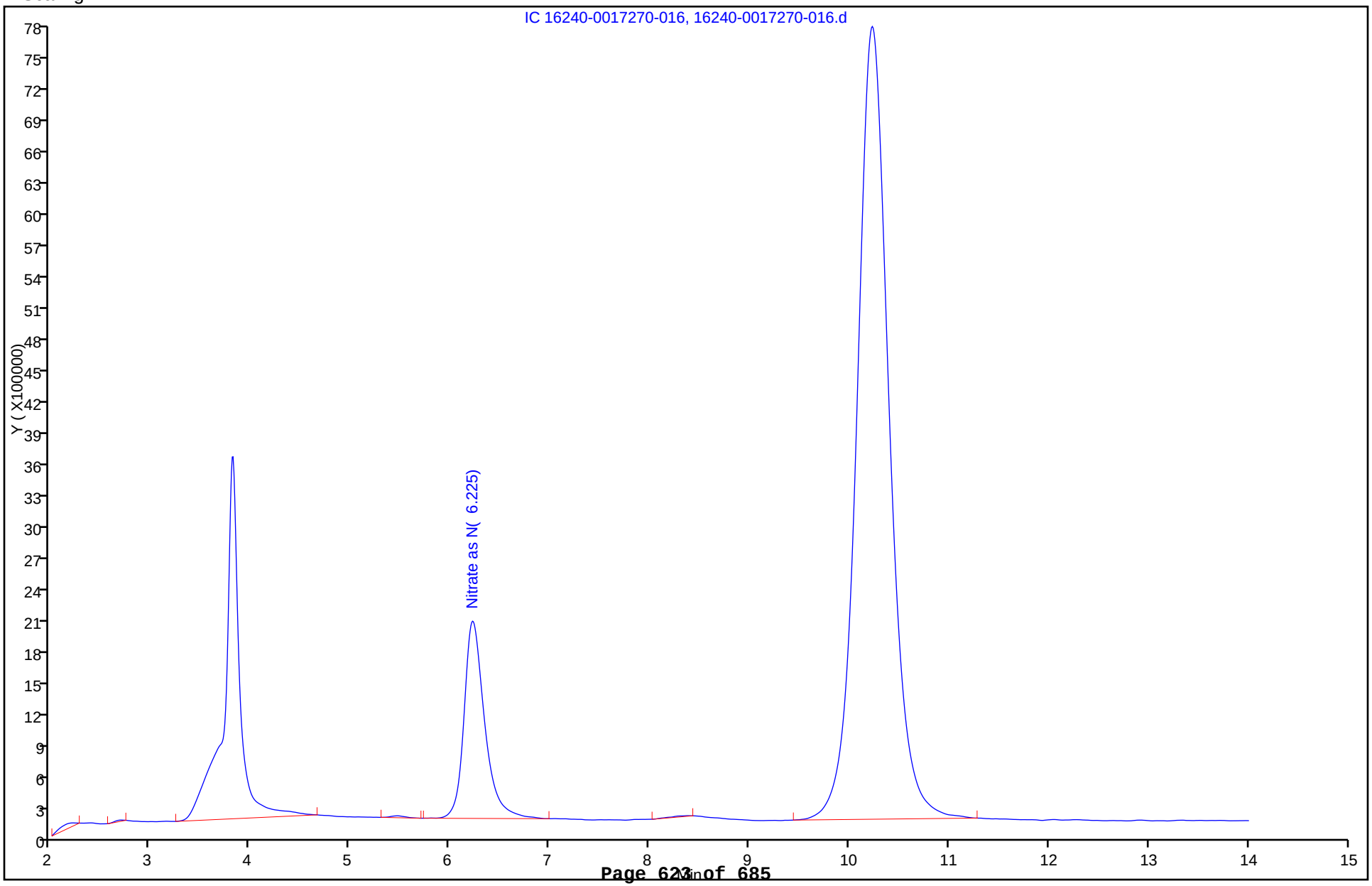
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\16240-0017270-016.d | | |
| Lims ID: | 240-20928-I-13 | Client ID: | OW-13R |
| Inject. Date: | 11-Feb-2013 19:04:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-016 | | |
| Misc. Info.: | 16 ow13r | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 16 |
| Detector: | IC 16240-0017270-016 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:57 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | 6.225 | 6.150 | 0.075 | 27244100 | 1.50 | |

Report Date: 12-Feb-2013 08:03:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\16240-0017270-016.d | | |
| Injection Date: | 11-Feb-2013 19:04:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-13R | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 16 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\17240-0017270-017.d | | |
| Lims ID: | 240-20928-I-10 | Client ID: | OW-19 |
| Inject. Date: | 11-Feb-2013 19:20:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-017 | | |
| Misc. Info.: | 17 ow-19 | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 17 |
| Detector: | IC 17240-0017270-017 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:57 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |
| First Level Reviewer: grossmanl | | Date: | 12-Feb-2013 07:55:22 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | | 6.150 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks

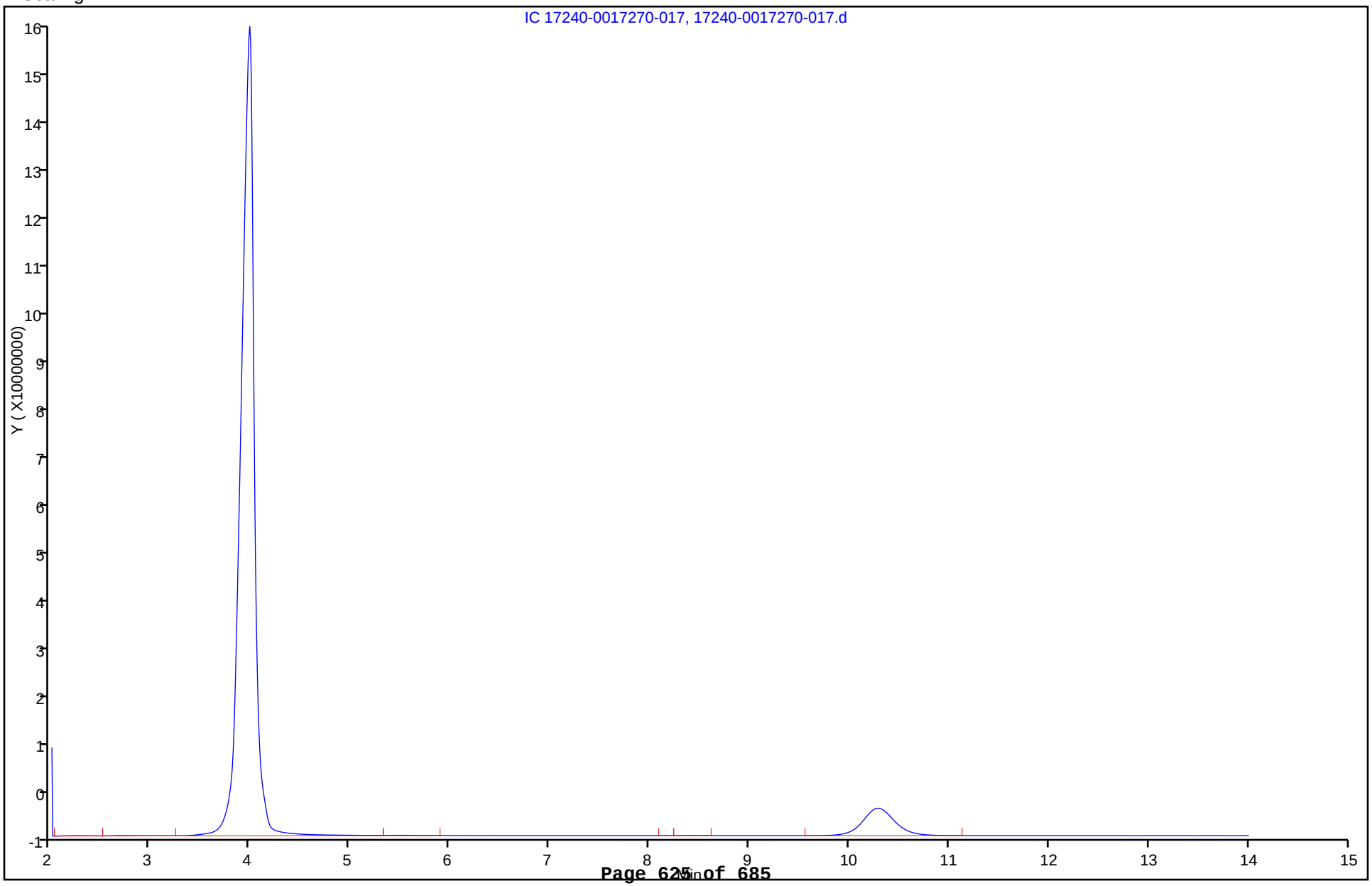
Report Date: 12-Feb-2013 08:03:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\17240-0017270-017.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 19:20:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-19 | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 17 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

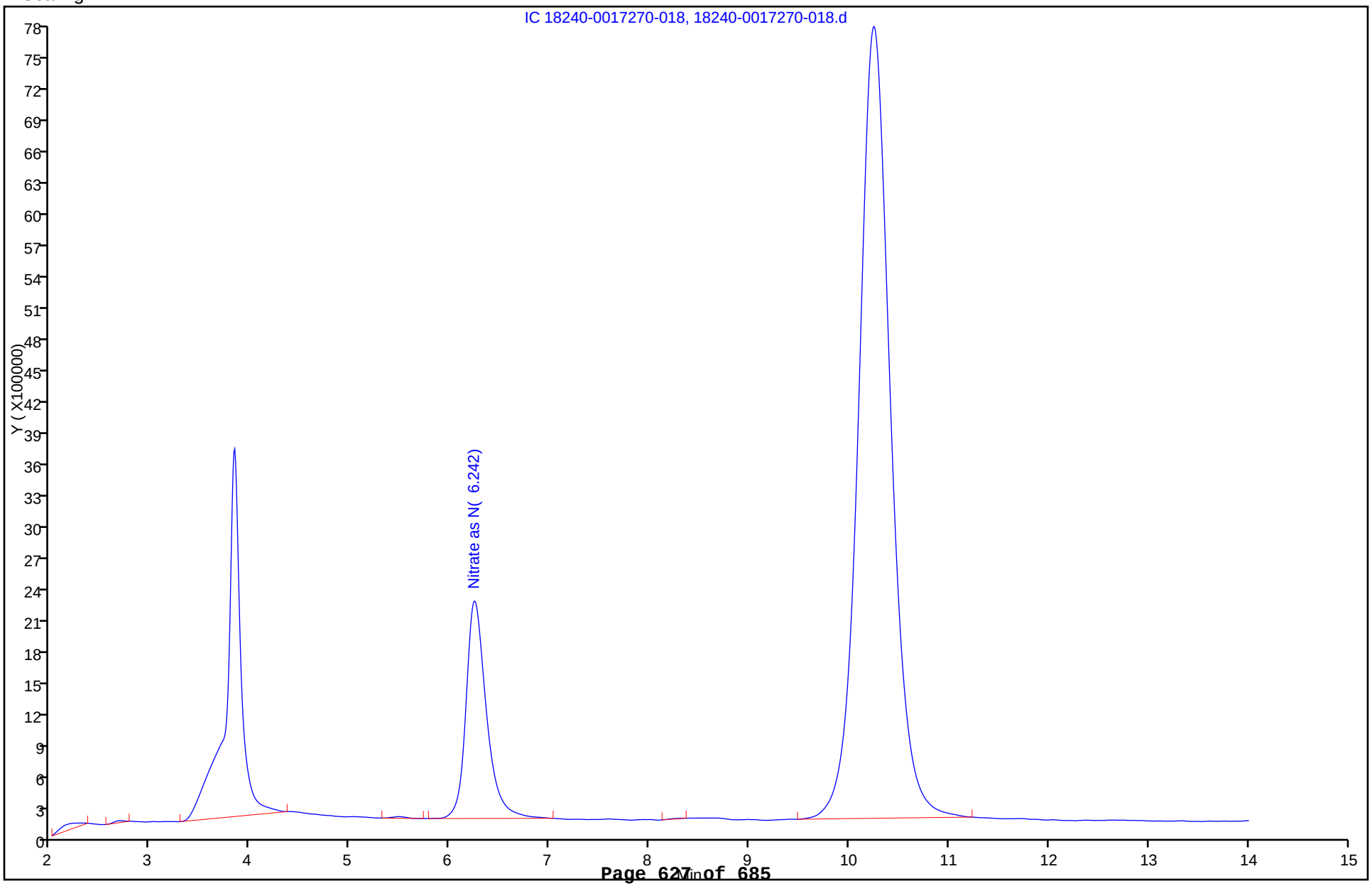
| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\18240-0017270-018.d | | |
| Lims ID: | 240-20928-I-14 | Client ID: | GW-DUP |
| Inject. Date: | 11-Feb-2013 19:37:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-018 | | |
| Misc. Info.: | 18 gw dup | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 18 |
| Detector: | IC 18240-0017270-018 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:57 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 5 Nitrate as N | 6.242 | 6.150 | 0.092 | 29786976 | 1.64 | |

Report Date: 12-Feb-2013 08:03:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\18240-0017270-018.d | | |
| Injection Date: | 11-Feb-2013 19:37:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | GW-DUP | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 18 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\19240-0017270-019.d | | |
| Lims ID: | 240-20928-I-2 | Client ID: | OW-10R |
| Inject. Date: | 11-Feb-2013 19:53:00 | Dil. Factor: | 1.0000 |
| Sample Type: | Client | | |
| Sample ID: | 240-0017270-019 | | |
| Misc. Info.: | 19 gw-10r | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 19 |
| Detector: | IC 19240-0017270-019 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:57 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |
| First Level Reviewer: grossmanl | | Date: | 12-Feb-2013 07:55:32 |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.683 | 2.642 | 0.041 | 2415385 | 0 | |
| 2 Chloride | 3.800 | 3.709 | 0.091 | 16204084 | 0 | A |
| 3 Nitrite as N | | 4.317 | | | | 1 |
| 4 Bromide | | 5.367 | | | | 1 |
| 5 Nitrate as N | | 6.150 | | | | 1 |
| 6 Orthophosphate | | 8.200 | | | | 1 |
| 7 Sulfate | 10.258 | 10.175 | 0.083 | 205950099 | 0 | |

QC Flag Legend

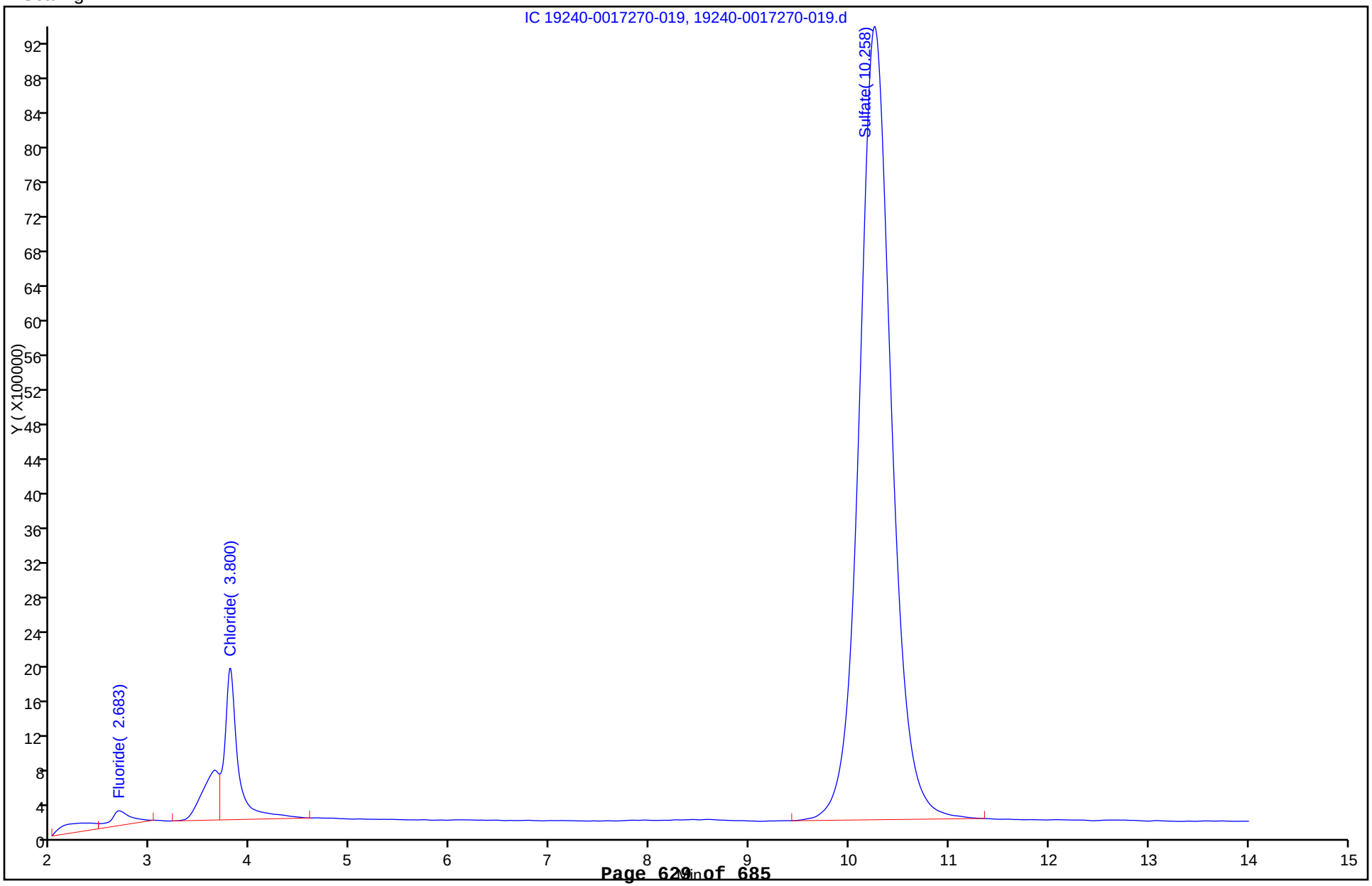
Processing Flags
1 - Missing Peaks

Review Flags
A - User Assigned ID

Report Date: 12-Feb-2013 08:03:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\19240-0017270-019.d | | |
| Injection Date: | 11-Feb-2013 19:53:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | OW-10R | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 19 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |
| Y Scaling: | | | |



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\20240-0017270-020.d | | |
| Lims ID: | 240-20928-I-2 MS | Client ID: | |
| Inject. Date: | 11-Feb-2013 20:09:00 | Dil. Factor: | 1.0000 |
| Sample Type: | MS | | |
| Sample ID: | 240-0017270-020 | | |
| Misc. Info.: | 20 gw10r ms | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 20 |
| Detector: | IC 20240-0017270-020 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:03:57 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.675 | 2.642 | 0.033 | 37322750 | 0 | |
| 2 Chloride | 3.842 | 3.709 | 0.133 | 654152153 | 0 | |
| 3 Nitrite as N | 4.400 | 4.317 | 0.083 | 49158047 | 3.11 | |
| 4 Bromide | 5.442 | 5.367 | 0.075 | 40352911 | 0 | |
| 5 Nitrate as N | 6.217 | 6.150 | 0.067 | 55571191 | 3.06 | |
| 6 Orthophosphate | 8.375 | 8.200 | 0.175 | 9633226 | 1.20 | |
| 7 Sulfate | 10.208 | 10.175 | 0.033 | 624429542 | 0 | |

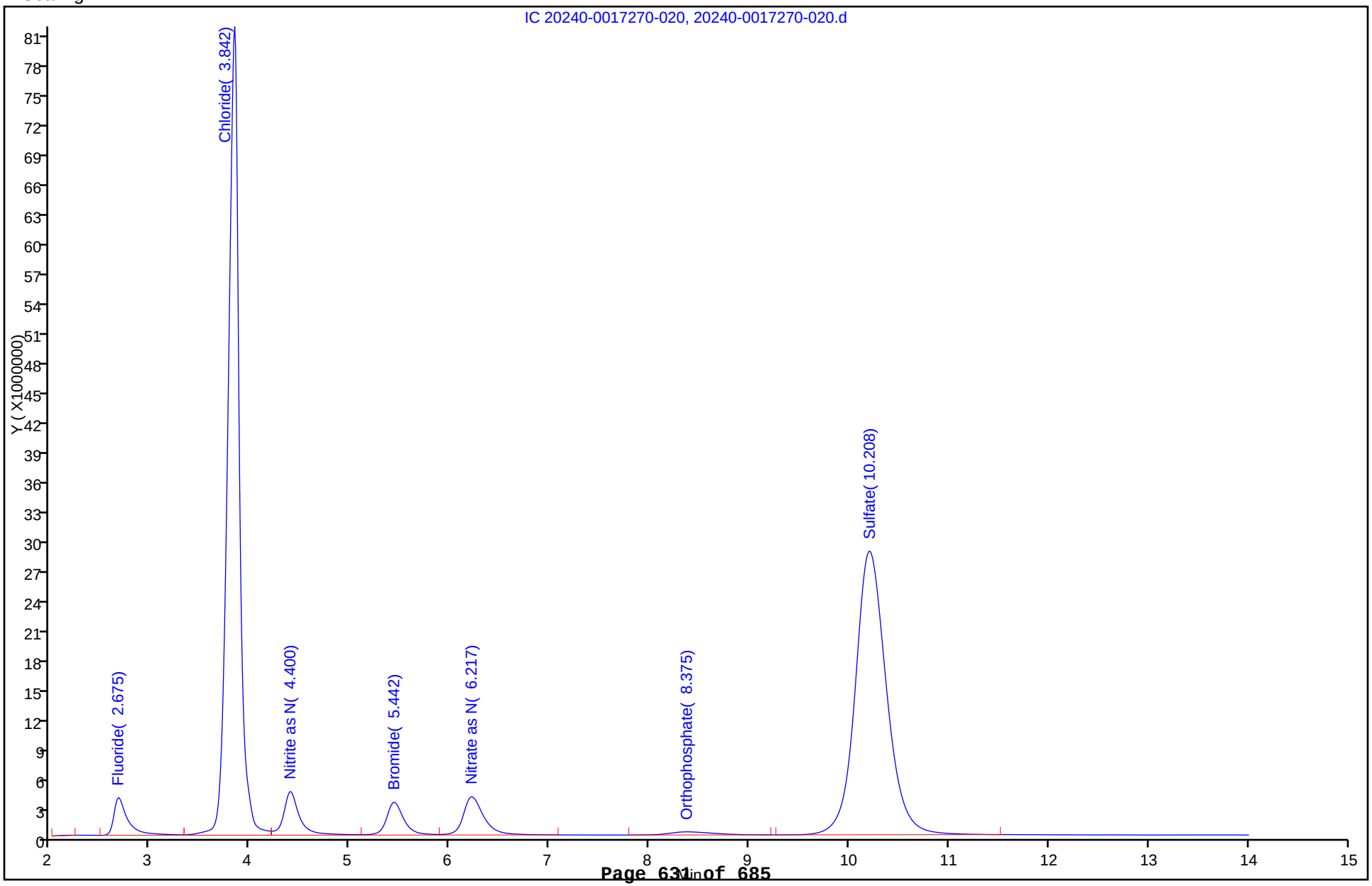
Report Date: 12-Feb-2013 08:03:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\20240-0017270-020.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 20:09:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 20 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\23240-0017270-023.d | | |
| Lims ID: | CCV | Client ID: | |
| Inject. Date: | 11-Feb-2013 20:59:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCV | | |
| Sample ID: | 240-0017270-023 | | |
| Misc. Info.: | 23 ccv | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 23 |
| Detector: | IC 23240-0017270-023 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:04:01 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | 2.650 | 2.650 | 0.0 | 27988418 | 0 | |
| 2 Chloride | 3.717 | 3.717 | 0.0 | 555794969 | 0 | |
| 3 Nitrite as N | 4.325 | 4.325 | 0.0 | 42961177 | 2.72 | |
| 4 Bromide | 5.375 | 5.375 | 0.0 | 34488518 | 0 | |
| 5 Nitrate as N | 6.159 | 6.159 | 0.0 | 48748914 | 2.68 | |
| 6 Orthophosphate | 8.209 | 8.209 | 0.0 | 18987967 | 2.36 | |
| 7 Sulfate | 10.175 | 10.175 | 0.0 | 334651441 | 0 | |

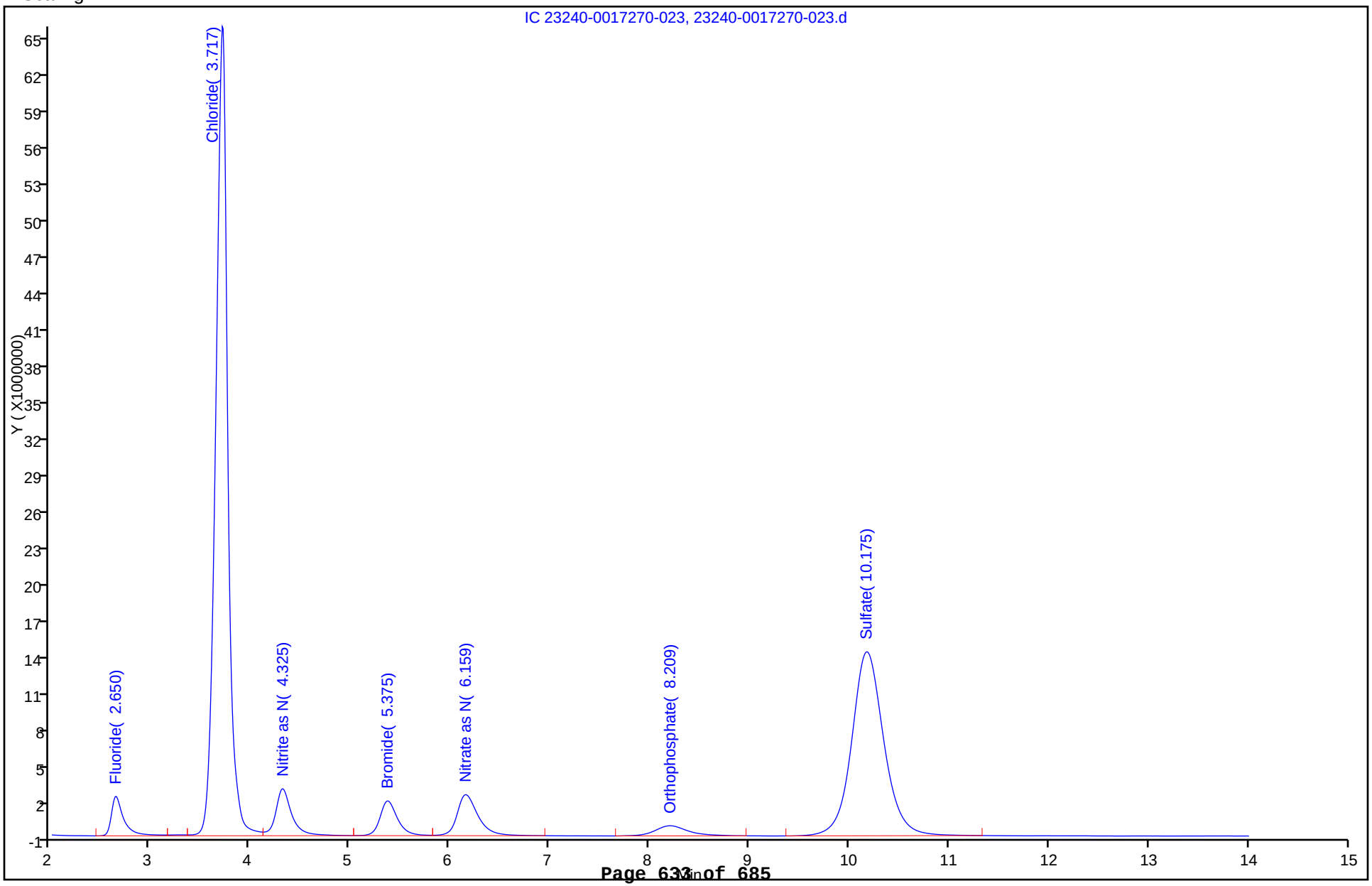
Report Date: 12-Feb-2013 08:04:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\23240-0017270-023.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 20:59:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 23 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

| | | | |
|---|---|---|---|
| Data File: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\24240-0017270-024.d | | |
| Lims ID: | CCB | Client ID: | |
| Inject. Date: | 11-Feb-2013 21:15:00 | Dil. Factor: | 1.0000 |
| Sample Type: | CCB | | |
| Sample ID: | 240-0017270-024 | | |
| Misc. Info.: | 24 ccb | | |
| Operator: | | Instrument ID: | SIMON |
| Injection Vol: | 25.0 ul | ALS Bottle#: | 0 |
| Lims Batch ID: | 74940 | Lims Sample ID: | 24 |
| Detector: | IC 24240-0017270-024 | | |
| Method: | \\Ncchrom\ChromData\SIMON\20130211-17270.b\300_Simon.m | | |
| Last Update: | 12-Feb-2013 08:04:01 | Calib Date: | 13-Dec-2012 08:56:00 |
| Quant Method: | External Standard | Quant By: | Initial Calibration |
| Last ICal File: | \\Ncchrom\ChromData\SIMON\20121213-15791.b\11240-0015791-011.d | | |
| Limit Group: | WET IC SH ICAL | | |
| Integrator: | Falcon | | |
| Column Type: | | Column Dia: | |
| Process Host: | XAWRK012 | | |

| Compound | RT | EXP RT | DLT RT | Response | On-Col Amt ug/ml | Flags |
|---|---|---|---|---|---|---|
| 1 Fluoride | | 2.650 | | | | 1 |
| 2 Chloride | | 3.717 | | | | |
| 3 Nitrite as N | 4.358 | 4.325 | 0.033 | 119000 | 0.007531 | 7 |
| 4 Bromide | | 5.375 | | | | 1 |
| 5 Nitrate as N | | 6.159 | | | | 1 |
| 6 Orthophosphate | | 8.209 | | | | 1 |
| 7 Sulfate | | 10.175 | | | | 1 |

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

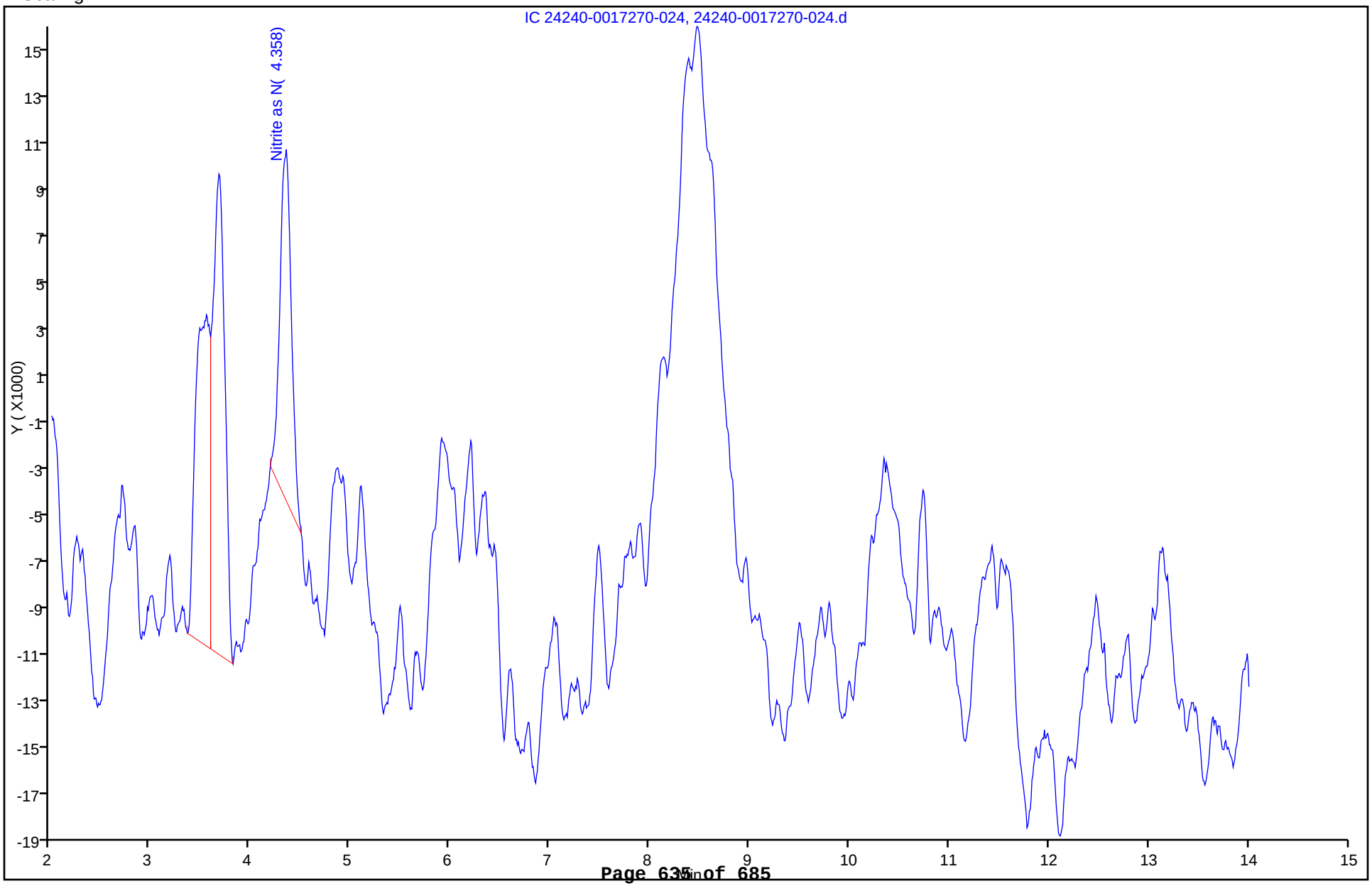
Report Date: 12-Feb-2013 08:04:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\SIMON\20130211-17270.b\24240-0017270-024.d

| | | | |
|---|---|---|---|
| Injection Date: | 11-Feb-2013 21:15:00 | Limit Group: | WET IC SH ICAL |
| Client ID: | | Instrument ID: | SIMON |
| Lims Batch ID: | 74940 | Lims Sample ID: | 24 |
| Operator ID: | | Injection Vol: | 25.0 ul |
| Column Type: | | Column Dia: | |

Y Scaling:



GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Batch Number: 75974 Batch Start Date: 02/20/13 08:00 Batch Analyst: Kuhle, Julie

Batch Method: 325.2 Batch End Date: 02/20/13 14:34

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WCCLCCV.1 00060 | | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75974/3 | | 325.2 | | 4 mL | 4 mL | 4 mL | | | |
| CCB 240-75974/4 | | 325.2 | | 4 mL | 4 mL | | | | |
| MB 240-75974/5 | | 325.2 | | 4 mL | 4 mL | | | | |
| CCV 240-75974/6 | | 325.2 | | 4 mL | 4 mL | 4 mL | | | |
| CCB 240-75974/7 | | 325.2 | | 4 mL | 4 mL | | | | |
| LCS 240-75974/8 | | 325.2 | | 4 mL | 4 mL | | | | |
| CCV 240-75974/9 | | 325.2 | | 4 mL | 4 mL | 4 mL | | | |
| CCB 240-75974/10 | | 325.2 | | 4 mL | 4 mL | | | | |
| CCV 240-75974/11 | | 325.2 | | 4 mL | 4 mL | 4 mL | | | |
| CCB 240-75974/12 | | 325.2 | | 4 mL | 4 mL | | | | |
| 240-20928-I-2 | OW-10R | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-3 | OW-22 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-4 | OW-21 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-5 | MW-4 | 325.2 | T | 4 mL | 4 mL | | | | |
| CCV 240-75974/23 | | 325.2 | | 4 mL | 4 mL | 4 mL | | | |
| CCB 240-75974/24 | | 325.2 | | 4 mL | 4 mL | | | | |
| 240-20928-I-8 | OW-18 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-9 | OW-24 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-12 | OW-25 | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-13 | OW-13R | 325.2 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-14 | GW-DUP | 325.2 | T | 4 mL | 4 mL | | | | |
| CCV 240-75974/31 | | 325.2 | | 4 mL | 4 mL | 4 mL | | | |
| CCB 240-75974/32 | | 325.2 | | 4 mL | 4 mL | | | | |
| 240-20928-I-10 | OW-19 | 325.2 | T | 4 mL | 4 mL | | | | |
| CCV 240-75974/34 | | 325.2 | | 4 mL | 4 mL | 4 mL | | | |
| CCB 240-75974/35 | | 325.2 | | 4 mL | 4 mL | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 75974  Batch Start Date: 02/20/13 08:00  Batch Analyst: Kuhle, Julie

Batch Method: 325.2  Batch End Date: 02/20/13 14:34

| Batch Notes | |
|---|---|
| Color Reagent ID Number | 680800 |
| Pipette ID | 877823 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 75599  Batch Start Date: 02/15/13 10:12  Batch Analyst: Burns, Jill

Batch Method: 310.1  Batch End Date: 02/15/13 22:15

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | CalcMsg | FinalAmount | WCPHENOMINER 00001 | | |
|---|---|---|---|---|---|---|---|---|---|
| LCS 240-75599/33 | | 310.1 | | 50 mL | BuretStart2 is blank | 50 mL | 50 mL | | |
| MB 240-75599/34 | | 310.1 | | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-2 | OW-10R | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-3 | OW-22 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-8 | OW-18 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-9 | OW-24 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-10 | OW-19 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-12 | OW-25 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-12 DU | OW-25 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |

| Batch Notes | |
|---|---|
| pH Buffer 1 ID | 710375 |
| pH Buffer 2 ID | 849004 |
| pH Buffer 3 ID | 811025 |
| Lot # of hydrochloric acid | 832083 |
| Nominal Amount Used | 50 mL |
| Pipette ID | 380195 |
| Probe ID | WCP91 |
| Normality of first Titrant | .0200 N |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 75989  Batch Start Date: 02/19/13 09:41  Batch Analyst: Burns, Jill

Batch Method: 310.1  Batch End Date: 02/20/13 01:18

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | CalcMsg | FinalAmount | WCPHENOMINER 00001 | | |
|---|---|---|---|---|---|---|---|---|---|
| LCS 240-75989/16 | | 310.1 | | 50 mL | BuretStart2 is blank | 50 mL | 50 mL | | |
| MB 240-75989/17 | | 310.1 | | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-4 | OW-21 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-5 | MW-4 | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-13 | OW-13R | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |
| 240-20928-I-14 | GW-DUP | 310.1 | T | 50 mL | BuretStart2 is blank | 50 mL | | | |

| Batch Notes | |
|---|---|
| pH Buffer 1 ID | 4 710375 |
| pH Buffer 2 ID | 7 763145 |
| pH Buffer 3 ID | 10 863048 |
| Sulfuric Acid Lot Number | 866087 |
| Nominal Amount Used | 50 mL |
| Pipette ID | 380195 |
| Probe ID | WCP 91 |
| Normality of first Titrant | .0204 N |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 75235  Batch Start Date: 02/13/13 15:00  Batch Analyst: Burns, Jill

Batch Method: 376.1  Batch End Date: 02/13/13 16:01

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TitrantVolume1 | IodineAmount | InitialAmount | FinalAmount | CalcMsg | WCSULFIDELCS 00352 |
|---|---|---|---|---|---|---|---|---|---|
| MB 240-75235/1 | | 376.1 | | 22.5 mL | 20 mL | 250 mL | 250 mL | OK | |
| LCS 240-75235/2 | | 376.1 | | 12.0 mL | 20 mL | 250 mL | 250 mL | OK | 2.5 mL |
| 240-20928-H-2 | OW-10R | 376.1 | T | 23.1 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-3 | OW-22 | 376.1 | T | 23.1 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-4 | OW-21 | 376.1 | T | 23.4 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-5 | MW-4 | 376.1 | T | 23.1 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-8 | OW-18 | 376.1 | T | 22.5 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-9 | OW-24 | 376.1 | T | 22.5 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-10 | OW-19 | 376.1 | T | 22.3 mL | 20 mL | 250 mL | 250 mL | OK | |

| Batch Notes | |
|---|---|
| Batch Comment | 1:1 HCL--760754 |
| Iodine Lot Number | 859757 |
| Normality of Iodine Solution | .027900 N |
| Sodium Thiosulfate Lot Number | 859452 |
| Nominal Amount Used | 250 mL |
| Pipette ID | 377827 |
| Perform Calculation (0=No, 1=Yes) | 1 |
| Starch Lot Number | 846776 |
| Normality of first Titrant | .0248 N |
| Titrant Standardization Date | 02/13/13 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 75383  Batch Start Date: 02/14/13 14:58  Batch Analyst: Burns, Jill

Batch Method: 376.1  Batch End Date: 02/14/13 16:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TitrantVolume1 | IodineAmount | InitialAmount | FinalAmount | CalcMsg | WCSULFIDELCS 00353 |
|---|---|---|---|---|---|---|---|---|---|
| MB 240-75383/1 | | 376.1 | | 23.0 mL | 20 mL | 250 mL | 250 mL | OK | |
| LCS 240-75383/2 | | 376.1 | | 12.3 mL | 20 mL | 250 mL | 250 mL | OK | 2.5 mL |
| 240-20928-H-12 | OW-25 | 376.1 | T | 22.8 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-13 | OW-13R | 376.1 | T | 22.4 mL | 20 mL | 250 mL | 250 mL | OK | |
| 240-20928-H-14 | GW-DUP | 376.1 | T | 23.1 mL | 20 mL | 250 mL | 250 mL | OK | |

| Batch Notes | |
|---|---|
| Batch Comment | 1:1HCL--760754 |
| Iodine Lot Number | 861515 |
| Normality of Iodine Solution | .028561 N |
| Sodium Thiosulfate Lot Number | 859452 |
| Nominal Amount Used | 250 mL |
| Pipette ID | 377857 |
| Perform Calculation (0=No, 1=Yes) | 1 |
| Starch Lot Number | 846776 |
| Normality of first Titrant | .0248 N |
| Titrant Standardization Date | 02/13/13 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 68462  Batch Start Date: 12/13/12 06:12  Batch Analyst: Grossman, Lucas

Batch Method: 300.0  Batch End Date: 12/13/12 09:45

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | WCICCALSOLN 00081 | WCICLCS 00144 | | | |
|---|---|---|---|---|---|---|---|---|---|
| STD1 240-68462/3 | | 300.0 | | 1 mL | 0.025 mL | | | | |
| STD2 240-68462/4 | | 300.0 | | 1 mL | 0.125 mL | | | | |
| STD3 240-68462/5 | | 300.0 | | 1 mL | 0.25 mL | | | | |
| STD4 240-68462/6 | | 300.0 | | 1 mL | 0.5 mL | | | | |
| STD5 240-68462/7 | | 300.0 | | 1 mL | 1.25 mL | | | | |
| STD6 240-68462/8 | | 300.0 | | 1 mL | 2 mL | | | | |
| STD7 240-68462/9 | | 300.0 | | 1 mL | 2.5 mL | | | | |
| STD8 240-68462/10 | | 300.0 | | 1 mL | 3.75 mL | | | | |
| STD9 240-68462/11 | | 300.0 | | 1 mL | 5 mL | | | | |
| ICV 240-68462/13 | | 300.0 | | 1 mL | | 5 mL | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 74940  Batch Start Date: 02/11/13 14:58  Batch Analyst: Grossman, Lucas

Batch Method: 300.0  Batch End Date: 02/11/13 21:15

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | WCICCCV 00237 | WCICELUENT 00073 | WCICLCS 00159 | WCICSOLNA1 00007 | WCICSOLNB1 00007 |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-74940/2 | | 300.0 | | 5 mL | 5 mL | | | | |
| CCB 240-74940/3 | | 300.0 | | 5 mL | | 5 mL | | | |
| MB 240-74940/4 | | 300.0 | | 5 mL | | 5 mL | | | |
| LCS 240-74940/5 | | 300.0 | | 5 mL | | | 5 mL | | |
| 240-20928-I-5 | MW-4 | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-4 | OW-21 | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-8 | OW-18 | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-8 MS | OW-18 | 300.0 | T | 5 mL | | | | 0.1 mL | 0.1 mL |
| 240-20928-I-3 | OW-22 | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-9 | OW-24 | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-12 | OW-25 | 300.0 | T | 5 mL | | | | | |
| CCV 240-74940/14 | | 300.0 | | 5 mL | 5 mL | | | | |
| CCB 240-74940/15 | | 300.0 | | 5 mL | | 5 mL | | | |
| 240-20928-I-13 | OW-13R | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-10 | OW-19 | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-14 | GW-DUP | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-2 | OW-10R | 300.0 | T | 5 mL | | | | | |
| 240-20928-I-2 MS | OW-10R | 300.0 | T | 5 mL | | | | 0.1 mL | 0.1 mL |
| CCV 240-74940/23 | | 300.0 | | 5 mL | 5 mL | | | | |
| CCB 240-74940/24 | | 300.0 | | 5 mL | | 5 mL | | | |

| Batch Notes | |
|---|---|
| | |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Batch Number: 75355 Batch Start Date: 02/14/13 09:35 Batch Analyst: Burns, Jill

Batch Method: 375.4 Batch End Date: 02/14/13 12:24

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WCWIBBYMINERA 00002 | | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75355/16 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/17 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20928-I-3 | OW-22 | 375.4 | T | 4 mL | 4 mL | | | | |
| CCV 240-75355/19 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/20 | | 375.4 | | 4 mL | 4 mL | | | | |
| MB 240-75355/21 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20928-I-8 | OW-18 | 375.4 | T | 4 mL | 4 mL | | | | |
| CCV 240-75355/23 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/24 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20928-I-5 | MW-4 | 375.4 | T | 4 mL | 4 mL | | | | |
| CCV 240-75355/29 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/30 | | 375.4 | | 4 mL | 4 mL | | | | |
| LCS 240-75355/31 | | 375.4 | | 4 mL | 4 mL | 4 mL | | | |
| CCV 240-75355/35 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/36 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCV 240-75355/37 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/38 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20928-I-9 | OW-24 | 375.4 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-10 | OW-19 | 375.4 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-12 | OW-25 | 375.4 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-13 | OW-13R | 375.4 | T | 4 mL | 4 mL | | | | |
| CCV 240-75355/43 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/44 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20928-I-14 | GW-DUP | 375.4 | T | 4 mL | 4 mL | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton  Job No.: 240-20928-1

SDG No.:

Batch Number: 75355  Batch Start Date: 02/14/13 09:35  Batch Analyst: Burns, Jill

Batch Method: 375.4  Batch End Date: 02/14/13 12:24

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WCWIBBYMINERA 00002 | | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75355/46 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/47 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCV 240-75355/48 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/49 | | 375.4 | | 4 mL | 4 mL | | | | |
| 240-20928-I-2 | OW-10R | 375.4 | T | 4 mL | 4 mL | | | | |
| 240-20928-I-4 | OW-21 | 375.4 | T | 4 mL | 4 mL | | | | |
| CCV 240-75355/52 | | 375.4 | | 4 mL | 4 mL | | | | |
| CCB 240-75355/53 | | 375.4 | | 4 mL | 4 mL | | | | |

| Batch Notes | |
|---|---|
| Conditioning Reagent ID | 815293 |
| Pipette ID | 377827, 377822 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-20928-1

SDG No.:

Batch Number: 75518 Batch Start Date: 02/15/13 08:26 Batch Analyst: Harshman, Tom

Batch Method: 415.1 Batch End Date: 02/15/13 14:02

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | WC LCS 00005 | WC TOC CCV 00119 | | |
|---|---|---|---|---|---|---|---|---|---|
| CCV 240-75518/1 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75518/2 | | 415.1 | | 40 mL | 40 mL | | | | |
| MB 240-75518/3 | | 415.1 | | 40 mL | 40 mL | | | | |
| LCS 240-75518/4 | | 415.1 | | 40 mL | 40 mL | 40 mL | | | |
| CCV 240-75518/13 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75518/14 | | 415.1 | | 40 mL | 40 mL | | | | |
| 240-20928-F-2 | OW-10R | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-G-3 | OW-22 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-F-4 | OW-21 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-F-5 | MW-4 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-F-8 | OW-18 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-G-9 | OW-24 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-G-10 | OW-19 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-F-12 | OW-25 | 415.1 | T | 40 mL | 40 mL | | | | |
| 240-20928-F-13 | OW-13R | 415.1 | T | 40 mL | 40 mL | | | | |
| CCV 240-75518/25 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75518/26 | | 415.1 | | 40 mL | 40 mL | | | | |
| 240-20928-F-14 | GW-DUP | 415.1 | T | 40 mL | 40 mL | | | | |
| CCV 240-75518/31 | | 415.1 | | 40 mL | 40 mL | | 40 mL | | |
| CCB 240-75518/32 | | 415.1 | | 40 mL | 40 mL | | | | |

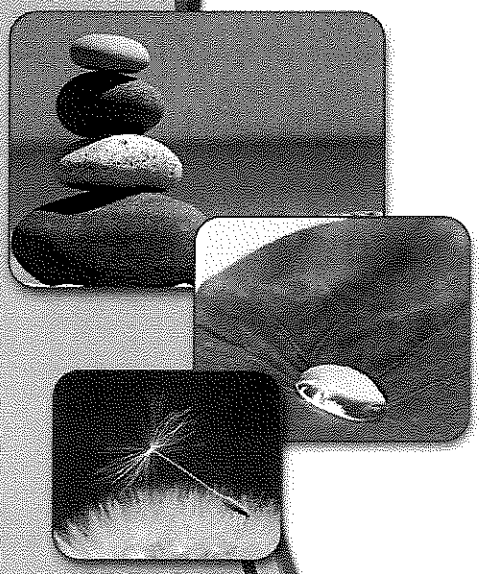
| Batch Notes | |
|---|---|
| Lot # of Phosphoric Acid | 836446 |
| Sodium Persulfate Reagent ID Number | 836449 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# Shipping and Receiving Documents

# Appendix A
# Laboratory Reports with Marked Form Is From Data Review



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-20760-1
Client Project/Site: CARROLL & DUBIES SF

For:
Monroeville, PA
1505 E Carson Street
Suite #200
Pittsburgh, Pennsylvania 15203

Attn: Barbara Jones

*Authorized for release by:*
*2/21/2013 9:12:52 AM*

Nathan Pietras
Project Manager II
nathan.pietras@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description |
|---|---|
| * | LCS or LCSD exceeds the control limits |
| F | MS or MSD exceeds the control limits |
| F | RPD of the MS and MSD exceeds the control limits |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDA | Minimum detectable activity |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

## Job ID: 240-20760-1

**Laboratory: TestAmerica Canton**

**Narrative**

# CASE NARRATIVE

## Client: Cardinal Resources

## Project: CARROLL & DUBIES SF

## Report Number: 240-20760-1

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

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

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

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

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

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

**RECEIPT**

The samples were received on 02/07/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 C.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples SED-2 (240-20760-4), SED-1 (240-20760-5) and SED-DUP (240-20760-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/08/2013.

Dichlorodifluoromethane and Vinyl chloride failed the recovery criteria high for the MS of sample SED-2MS (240-20760-4) in batch 240-74675.

For the MSD of sample SED-2MSD (240-20760-4) in batch 240-74675, Methyl acetate failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, Bromoform, Carbon tetrachloride, cis-1,3-Dichloropropene and Methyl acetate exceeded the rpd limit.

Method(s) 8260B: Internal standard (ISTD) response for the following samples were outside control limits: SED-1 (240-20760-5), SED-2 (240-20760-4), SED-2 (240-20760-4 MS), SED-2 (240-20760-4 MSD). The samples were re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 74898 exceeded control limits for the following analyte(s):

## Job ID: 240-20760-1 (Continued)

**Laboratory: TestAmerica Canton (Continued)**

Trichlorofluoromethane--has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8260B: The laboratory control sample (LCS) for batch 75030 exceeded control limits for the following analyte(s): Trichlorofluoromethane--has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples SW-2 (240-20760-1), SW-1 (240-20760-2), SW-DUP (240-20760-3), TRIP BLANK1 (240-20760-7), OW-2 (240-20760-8), FIELD BLANK1 (240-20760-9), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/11/2013 and 02/12/2013.

Trichlorofluoromethane failed the recovery criteria high for LCS 240-74898/4. Trichlorofluoromethane failed the recovery criteria high for LCS 240-75030/4.

Trichlorofluoromethane failed the recovery criteria high for the MS of sample OW-5MS (240-20760-12) in batch 240-75030.

Trichlorofluoromethane failed the recovery criteria high for the MSD of sample OW-5MSD (240-20760-12) in batch 240-75030.

Trichlorofluoromethane failed the recovery criteria high for the MSD of sample OW-5MSD (240-20760-12) in batch 240-75030.

Samples OW-2 (240-20760-8)[10X] and OW-6 (240-20760-10)[1.25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

**DISSOLVED GASES**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 02/12/2013.

Method(s) RSK-175: The continuing calibration verification (CCV) for Ethane and Ethylene associated with batch 75041 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No difficulties were encountered during the dissolved gases analyses.

All quality control parameters were within the acceptance limits.

**ANIONS**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 02/07/2013.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

**ALKALINITY**

Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for alkalinity in accordance with EPA Method 310.1. The samples were analyzed on 02/13/2013.

## Job ID: 240-20760-1 (Continued)

**Laboratory: TestAmerica Canton (Continued)**

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

**CHLORIDE**
Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for chloride in accordance with EPA Method 325.2. The samples were analyzed on 02/20/2013.

No difficulties were encountered during the chloride analyses.

All quality control parameters were within the acceptance limits.

**SULFATE**
Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for sulfate in accordance with EPA method 375.4. The samples were analyzed on 02/14/2013.

Sample OW-5 (240-20760-12)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the sulfate analyses.

All quality control parameters were within the acceptance limits.

**SULFIDE**
Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for sulfide in accordance with EPA Method 376.1. The samples were analyzed on 02/12/2013.

No difficulties were encountered during the sulfide analyses.

All quality control parameters were within the acceptance limits.

**TOTAL ORGANIC CARBON**
Samples OW-2 (240-20760-8), OW-6 (240-20760-10), OW-8 (240-20760-11) and OW-5 (240-20760-12) were analyzed for total organic carbon in accordance with EPA Method 415.1. The samples were analyzed on 02/14/2013 and 02/15/2013.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

**PERCENT SOLIDS**
Samples SED-2 (240-20760-4), SED-1 (240-20760-5) and SED-DUP (240-20760-6) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 02/08/2013.

Percent Solids exceeded the rpd limit for the duplicate of sample SED-2DU (240-20760-4). Refer to the QC report for details.

No other difficulties were encountered during the % solids analyses.

All other quality control parameters were within the acceptance limits.

# Method Summary

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL NC |
| RSK-175 | Dissolved Gases (GC) | RSK | TAL NC |
| 300.0 | Anions, Ion Chromatography | MCAWW | TAL NC |
| 310.1 | Alkalinity | MCAWW | TAL NC |
| 325.2 | Chloride | MCAWW | TAL NC |
| 375.4 | Sulfate | MCAWW | TAL NC |
| 376.1 | Sulfide | MCAWW | TAL NC |
| 415.1 | TOC | MCAWW | TAL NC |
| Moisture | Percent Moisture | EPA | TAL NC |

**Protocol References:**

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 240-20760-1 | SW-2 | Water | 02/05/13 14:00 | 02/07/13 09:20 |
| 240-20760-2 | SW-1 | Water | 02/05/13 14:40 | 02/07/13 09:20 |
| 240-20760-3 | SW-DUP | Water | 02/05/13 14:40 | 02/07/13 09:20 |
| 240-20760-4 | SED-2 | Solid | 02/05/13 14:15 | 02/07/13 09:20 |
| 240-20760-5 | SED-1 | Solid | 02/05/13 15:05 | 02/07/13 09:20 |
| 240-20760-6 | SED-DUP | Solid | 02/05/13 15:05 | 02/07/13 09:20 |
| 240-20760-7 | TRIP BLANK1 | Water | 02/06/13 08:30 | 02/07/13 09:20 |
| 240-20760-8 | OW-2 | Water | 02/06/13 09:55 | 02/07/13 09:20 |
| 240-20760-9 | FIELD BLANK1 | Water | 02/06/13 10:20 | 02/07/13 09:20 |
| 240-20760-10 | OW-6 | Water | 02/06/13 11:35 | 02/07/13 09:20 |
| 240-20760-11 | OW-8 | Water | 02/06/13 13:35 | 02/07/13 09:20 |
| 240-20760-12 | OW-5 | Water | 02/06/13 14:55 | 02/07/13 09:20 |

# Detection Summary

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

## Client Sample ID: SW-2 — Lab Sample ID: 240-20760-1

No Detections

## Client Sample ID: SW-1 — Lab Sample ID: 240-20760-2

No Detections

## Client Sample ID: SW-DUP — Lab Sample ID: 240-20760-3

No Detections

## Client Sample ID: SED-2 — Lab Sample ID: 240-20760-4

No Detections

## Client Sample ID: SED-1 — Lab Sample ID: 240-20760-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 72 | | 43 | | ug/Kg | 1 | ☼ | 8260B | Total/NA |

## Client Sample ID: SED-DUP — Lab Sample ID: 240-20760-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 56 | | 43 | | ug/Kg | 1 | ☼ | 8260B | Total/NA |

## Client Sample ID: TRIP BLANK1 — Lab Sample ID: 240-20760-7

No Detections

## Client Sample ID: OW-2 — Lab Sample ID: 240-20760-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 180 | | 10 | | ug/L | 10 | | 8260B | Total/NA |
| Trichloroethene | 26 | | 10 | | ug/L | 10 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 330 | | 10 | | ug/L | 10 | | 8260B | Total/NA |
| Nitrate as N | 6.1 | | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Alkalinity | 52 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 1.8 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 22 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |

## Client Sample ID: FIELD BLANK1 — Lab Sample ID: 240-20760-9

No Detections

## Client Sample ID: OW-6 — Lab Sample ID: 240-20760-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 44 | | 1.3 | | ug/L | 1.25 | | 8260B | Total/NA |
| Trichloroethene | 8.9 | | 1.3 | | ug/L | 1.25 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 19 | | 1.3 | | ug/L | 1.25 | | 8260B | Total/NA |
| Nitrate as N | 0.34 | | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Alkalinity | 38 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 1.2 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: OW-6 (Continued) — Lab Sample ID: 240-20760-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 21 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |
| Sulfide | 1.0 | | 1.0 | | mg/L | 1 | | 376.1 | Total/NA |

## Client Sample ID: OW-8 — Lab Sample ID: 240-20760-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Methane | 2.4 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Alkalinity | 50 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 1.5 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 17 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |

## Client Sample ID: OW-5 — Lab Sample ID: 240-20760-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 1.5 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 1.3 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 9.6 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Nitrate as N | 0.57 | | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Alkalinity | 120 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 16 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 42 | | 25 | | mg/L | 5 | | 375.4 | Total/NA |

This Detection Summary does not include radiochemical test results.

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: SW-2**
**Date Collected: 02/05/13 14:00**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-1**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/11/13 22:01 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/11/13 22:01 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/11/13 22:01 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/11/13 22:01 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/11/13 22:01 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Trichlorofluoromethane | ND | * | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 22:01 | 1 |

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**Client Sample ID: SW-2**
**Date Collected: 02/05/13 14:00**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-1**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 63 - 129 | | 02/11/13 22:01 | 1 |
| 4-Bromofluorobenzene (Surr) | 81 | | 66 - 117 | | 02/11/13 22:01 | 1 |
| Toluene-d8 (Surr) | 89 | | 74 - 115 | | 02/11/13 22:01 | 1 |
| Dibromofluoromethane (Surr) | 99 | | 75 - 121 | | 02/11/13 22:01 | 1 |

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: SW-1**
**Date Collected: 02/05/13 14:40**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-2**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/12/13 16:18 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/12/13 16:18 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/12/13 16:18 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/12/13 16:18 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/12/13 16:18 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Trichlorofluoromethane | ND | * | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 16:18 | 1 |

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**Client Sample ID: SW-1**
**Date Collected: 02/05/13 14:40**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-2**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 63 - 129 | | 02/12/13 16:18 | 1 |
| 4-Bromofluorobenzene (Surr) | 86 | | 66 - 117 | | 02/12/13 16:18 | 1 |
| Toluene-d8 (Surr) | 96 | | 74 - 115 | | 02/12/13 16:18 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 75 - 121 | | 02/12/13 16:18 | 1 |

**Client Sample ID: SW-DUP**
**Date Collected: 02/05/13 14:40**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-3**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/12/13 16:40 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/12/13 16:40 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/12/13 16:40 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/12/13 16:40 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/12/13 16:40 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Trichlorofluoromethane | ND | * | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 16:40 | 1 |

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Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: SW-DUP**
**Date Collected: 02/05/13 14:40**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-3**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 63 - 129 | | 02/12/13 16:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 | | 02/12/13 16:40 | 1 |
| Toluene-d8 (Surr) | 87 | | 74 - 115 | | 02/12/13 16:40 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 75 - 121 | | 02/12/13 16:40 | 1 |

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: SED-2**
**Date Collected: 02/05/13 14:15**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-4**
**Matrix: Solid**
**Percent Solids: 12.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 150 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Benzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Dichlorobromomethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Bromoform | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Bromomethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 2-Butanone (MEK) | ND | | 150 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Carbon disulfide | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Carbon tetrachloride | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Chlorobenzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Chloroethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Chloroform | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Chloromethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,1-Dichloroethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,2-Dichloroethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,1-Dichloroethene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,2-Dichloropropane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| cis-1,3-Dichloropropene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| trans-1,3-Dichloropropene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Ethylbenzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 2-Hexanone | ND | | 150 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Methylene Chloride | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 150 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Styrene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Tetrachloroethene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Toluene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Trichloroethene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Vinyl chloride | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Xylenes, Total | ND | | 77 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,1,1-Trichloroethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,1,2-Trichloroethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Cyclohexane | ND | | 77 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 77 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Ethylene Dibromide | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Dichlorodifluoromethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| cis-1,2-Dichloroethene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| trans-1,2-Dichloroethene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Isopropylbenzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Methyl acetate | ND | | 77 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Methyl tert-butyl ether | ND | | 150 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,2-Dichlorobenzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,3-Dichlorobenzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 1,4-Dichlorobenzene | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Trichlorofluoromethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Chlorodibromomethane | ND | | 38 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Methylcyclohexane | ND | | 77 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 04:55 | 1 |

qualify as UJ because of high moisture BDG 3/25/13

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: SED-2**
**Date Collected: 02/05/13 14:15**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-4**
**Matrix: Solid**
**Percent Solids: 12.2**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 58 - 123 | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| 4-Bromofluorobenzene (Surr) | 68 | | 52 - 136 | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Toluene-d8 (Surr) | 116 | | 67 - 125 | 02/08/13 00:56 | 02/08/13 04:55 | 1 |
| Dibromofluoromethane (Surr) | 92 | | 37 - 132 | 02/08/13 00:56 | 02/08/13 04:55 | 1 |

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: SED-1**
**Date Collected: 02/05/13 15:05**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-5**
**Matrix: Solid**
**Percent Solids: 45.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 72 | J | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Benzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Dichlorobromomethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Bromoform | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Bromomethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 2-Butanone (MEK) | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Carbon disulfide | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Carbon tetrachloride | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Chlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Chloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Chloroform | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Chloromethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,1-Dichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,2-Dichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,1-Dichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,2-Dichloropropane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| cis-1,3-Dichloropropene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| trans-1,3-Dichloropropene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Ethylbenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 2-Hexanone | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Methylene Chloride | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Styrene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Tetrachloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Toluene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Trichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Vinyl chloride | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Xylenes, Total | ND | | 22 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,1,1-Trichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,1,2-Trichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Cyclohexane | ND | | 22 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 22 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Ethylene Dibromide | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Dichlorodifluoromethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| cis-1,2-Dichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| trans-1,2-Dichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Isopropylbenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Methyl acetate | ND | | 22 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Methyl tert-butyl ether | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,2-Dichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,3-Dichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 1,4-Dichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Trichlorofluoromethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Chlorodibromomethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Methylcyclohexane | ND | | 22 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:20 | 1 |

quality because of high moisture content
AJ 7/30/13
BMG 3/25/13

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: SED-1**
**Date Collected: 02/05/13 15:05**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-5**
**Matrix: Solid**
**Percent Solids: 45.4**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 87 | | 58 - 123 | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| 4-Bromofluorobenzene (Surr) | 76 | | 52 - 136 | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Toluene-d8 (Surr) | 110 | | 67 - 125 | 02/08/13 00:56 | 02/08/13 06:20 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 37 - 132 | 02/08/13 00:56 | 02/08/13 06:20 | 1 |

**Client Sample ID: SED-DUP**
**Date Collected: 02/05/13 15:05**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-6**
**Matrix: Solid**
**Percent Solids: 43.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 56 | J | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Benzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Dichlorobromomethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Bromoform | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Bromomethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 2-Butanone (MEK) | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Carbon disulfide | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Carbon tetrachloride | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Chlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Chloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Chloroform | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Chloromethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,1-Dichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,2-Dichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,1-Dichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,2-Dichloropropane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| cis-1,3-Dichloropropene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| trans-1,3-Dichloropropene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Ethylbenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 2-Hexanone | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Methylene Chloride | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Styrene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Tetrachloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Toluene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Trichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Vinyl chloride | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Xylenes, Total | ND | | 21 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,1,1-Trichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,1,2-Trichloroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Cyclohexane | ND | | 21 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 21 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Ethylene Dibromide | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Dichlorodifluoromethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| cis-1,2-Dichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| trans-1,2-Dichloroethene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Isopropylbenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Methyl acetate | ND | | 21 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Methyl tert-butyl ether | ND | | 43 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,2-Dichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,3-Dichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 1,4-Dichlorobenzene | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Trichlorofluoromethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Chlorodibromomethane | ND | | 11 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Methylcyclohexane | ND | | 21 | | ug/Kg | ☼ | 02/08/13 00:56 | 02/08/13 06:41 | 1 |

J because quality of high moisture >50% UJ BNG 3/25/13

**Client Sample ID: SED-DUP**
**Date Collected: 02/05/13 15:05**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-6**
**Matrix: Solid**
**Percent Solids: 43.1**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 58 - 123 | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| 4-Bromofluorobenzene (Surr) | 80 | | 52 - 136 | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Toluene-d8 (Surr) | 104 | | 67 - 125 | 02/08/13 00:56 | 02/08/13 06:41 | 1 |
| Dibromofluoromethane (Surr) | 91 | | 37 - 132 | 02/08/13 00:56 | 02/08/13 06:41 | 1 |

**Client Sample ID: TRIP BLANK1**
**Date Collected: 02/06/13 08:30**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-7**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/11/13 15:18 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/11/13 15:18 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/11/13 15:18 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/11/13 15:18 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/11/13 15:18 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Trichlorofluoromethane | ND | * | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 15:18 | 1 |

LCJ BN7 continuing cal. 3/25/13

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: TRIP BLANK1**
**Date Collected: 02/06/13 08:30**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-7**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 63 - 129 | | 02/11/13 15:18 | 1 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 | | 02/11/13 15:18 | 1 |
| Toluene-d8 (Surr) | 90 | | 74 - 115 | | 02/11/13 15:18 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 75 - 121 | | 02/11/13 15:18 | 1 |

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: OW-2**
**Date Collected: 02/06/13 09:55**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-8**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 100 | | ug/L | | | 02/11/13 17:33 | 10 |
| Benzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Dichlorobromomethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Bromoform | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Bromomethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 2-Butanone (MEK) | ND | | 100 | | ug/L | | | 02/11/13 17:33 | 10 |
| Carbon disulfide | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Carbon tetrachloride | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Chlorobenzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Chloroethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Chloroform | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Chloromethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,1-Dichloroethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,2-Dichloroethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,1-Dichloroethene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,2-Dichloropropane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| cis-1,3-Dichloropropene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| trans-1,3-Dichloropropene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Ethylbenzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 2-Hexanone | ND | | 100 | | ug/L | | | 02/11/13 17:33 | 10 |
| Methylene Chloride | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 100 | | ug/L | | | 02/11/13 17:33 | 10 |
| Styrene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| **Tetrachloroethene** | **180** | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Toluene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| **Trichloroethene** | **26** | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Vinyl chloride | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Xylenes, Total | ND | | 20 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,1,1-Trichloroethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,1,2-Trichloroethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Cyclohexane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,2-Dibromo-3-Chloropropane | ND | | 20 | | ug/L | | | 02/11/13 17:33 | 10 |
| Ethylene Dibromide | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Dichlorodifluoromethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| **cis-1,2-Dichloroethene** | **330** | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| trans-1,2-Dichloroethene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Isopropylbenzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Methyl acetate | ND | | 100 | | ug/L | | | 02/11/13 17:33 | 10 |
| Methyl tert-butyl ether | ND | | 50 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,2,4-Trichlorobenzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,2-Dichlorobenzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,3-Dichlorobenzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| 1,4-Dichlorobenzene | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Trichlorofluoromethane | ND | * | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Chlorodibromomethane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |
| Methylcyclohexane | ND | | 10 | | ug/L | | | 02/11/13 17:33 | 10 |

J continuing cal. BNQ 3/25

## Client Sample ID: OW-2

**Lab Sample ID: 240-20760-8**

**Date Collected: 02/06/13 09:55**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *96* | | *63 - 129* | | *02/11/13 17:33* | *10* |
| *4-Bromofluorobenzene (Surr)* | *78* | | *66 - 117* | | *02/11/13 17:33* | *10* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *02/11/13 17:33* | *10* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 121* | | *02/11/13 17:33* | *10* |

### Method: RSK-175 - Dissolved Gases (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/12/13 17:46 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 17:46 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 17:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *106* | | *40 - 122* | | *02/12/13 17:46* | *1* |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **6.1** | | 0.10 | | mg/L | | | 02/07/13 19:32 | 1 |
| **Alkalinity** | **52** | | 5.0 | | mg/L | | | 02/13/13 22:24 | 1 |
| **Chloride** | **1.8** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| **Sulfate** | **22** | | 5.0 | | mg/L | | | 02/14/13 10:12 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/12/13 16:46 | 1 |
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/14/13 18:44 | 1 |

**Client Sample ID: FIELD BLANK1**
**Date Collected: 02/06/13 10:20**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-9**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/11/13 17:56 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/11/13 17:56 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/11/13 17:56 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/11/13 17:56 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/11/13 17:56 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Trichlorofluoromethane | ND | * | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 17:56 | 1 |

ok for continuing cal. BNJ 3/25

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: FIELD BLANK1**
**Date Collected: 02/06/13 10:20**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-9**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 63 - 129 | | 02/11/13 17:56 | 1 |
| 4-Bromofluorobenzene (Surr) | 79 | | 66 - 117 | | 02/11/13 17:56 | 1 |
| Toluene-d8 (Surr) | 88 | | 74 - 115 | | 02/11/13 17:56 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 75 - 121 | | 02/11/13 17:56 | 1 |

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

**Client Sample ID: OW-6**
**Date Collected: 02/06/13 11:35**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-10**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 13 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Benzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Dichlorobromomethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Bromoform | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Bromomethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 2-Butanone (MEK) | ND | | 13 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Carbon disulfide | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Carbon tetrachloride | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Chlorobenzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Chloroethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Chloroform | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Chloromethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,1-Dichloroethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,2-Dichloroethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,1-Dichloroethene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,2-Dichloropropane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| cis-1,3-Dichloropropene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| trans-1,3-Dichloropropene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Ethylbenzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 2-Hexanone | ND | | 13 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Methylene Chloride | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 13 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Styrene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| **Tetrachloroethene** | **44** | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Toluene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| **Trichloroethene** | **8.9** | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Vinyl chloride | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Xylenes, Total | ND | | 2.5 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,1,1-Trichloroethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,1,2-Trichloroethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Cyclohexane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.5 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Ethylene Dibromide | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Dichlorodifluoromethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| **cis-1,2-Dichloroethene** | **19** | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| trans-1,2-Dichloroethene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Isopropylbenzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Methyl acetate | ND | | 13 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Methyl tert-butyl ether | ND | | 6.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,2,4-Trichlorobenzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,2-Dichlorobenzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,3-Dichlorobenzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| 1,4-Dichlorobenzene | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Trichlorofluoromethane | ND | * | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Chlorodibromomethane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |
| Methylcyclohexane | ND | | 1.3 | | ug/L | | | 02/11/13 18:18 | 1.25 |

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**Client Sample ID: OW-6**
**Date Collected: 02/06/13 11:35**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-10**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *63 - 129* | | *02/11/13 18:18* | *1.25* |
| *4-Bromofluorobenzene (Surr)* | *83* | | *66 - 117* | | *02/11/13 18:18* | *1.25* |
| *Toluene-d8 (Surr)* | *92* | | *74 - 115* | | *02/11/13 18:18* | *1.25* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 121* | | *02/11/13 18:18* | *1.25* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/12/13 17:59 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 17:59 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 17:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *107* | | *40 - 122* | | *02/12/13 17:59* | *1* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **0.34** | | 0.10 | | mg/L | | | 02/07/13 18:59 | 1 |
| **Alkalinity** | **38** | | 5.0 | | mg/L | | | 02/13/13 22:30 | 1 |
| **Chloride** | **1.2** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| **Sulfate** | **21** | | 5.0 | | mg/L | | | 02/14/13 10:13 | 1 |
| **Sulfide** | **1.0** | | 1.0 | | mg/L | | | 02/12/13 16:50 | 1 |
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/14/13 18:55 | 1 |

**Client Sample ID: OW-8**
**Date Collected: 02/06/13 13:35**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-11**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/12/13 17:03 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/12/13 17:03 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/12/13 17:03 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/12/13 17:03 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/12/13 17:03 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Trichlorofluoromethane | ND | * | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 17:03 | 1 |

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## Client Sample ID: OW-8

**Lab Sample ID: 240-20760-11**

**Date Collected: 02/06/13 13:35**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *63 - 129* | | *02/12/13 17:03* | *1* |
| *4-Bromofluorobenzene (Surr)* | *83* | | *66 - 117* | | *02/12/13 17:03* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *74 - 115* | | *02/12/13 17:03* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 121* | | *02/12/13 17:03* | *1* |

### Method: RSK-175 - Dissolved Gases (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **2.4** | | 0.50 | | ug/L | | | 02/12/13 18:11 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 18:11 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 18:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *106* | | *40 - 122* | | *02/12/13 18:11* | *1* |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | | 0.10 | | mg/L | | | 02/07/13 19:16 | 1 |
| **Alkalinity** | **50** | | 5.0 | | mg/L | | | 02/13/13 22:37 | 1 |
| **Chloride** | **1.5** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| **Sulfate** | **17** | | 5.0 | | mg/L | | | 02/14/13 10:13 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/12/13 16:53 | 1 |
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/15/13 09:09 | 1 |

**Client Sample ID: OW-5**
**Date Collected: 02/06/13 14:55**
**Date Received: 02/07/13 09:20**

**Lab Sample ID: 240-20760-12**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/12/13 21:08 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/12/13 21:08 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/12/13 21:08 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/12/13 21:08 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| **Tetrachloroethene** | **1.5** | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| **cis-1,2-Dichloroethene** | **1.3** | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/12/13 21:08 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Trichlorofluoromethane | ND | * | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 21:08 | 1 |

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## Client Sample ID: OW-5

**Date Collected: 02/06/13 14:55**
**Date Received: 02/07/13 09:20**

## Lab Sample ID: 240-20760-12

**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *63 - 129* | | *02/12/13 21:08* | *1* |
| *4-Bromofluorobenzene (Surr)* | *78* | | *66 - 117* | | *02/12/13 21:08* | *1* |
| *Toluene-d8 (Surr)* | *86* | | *74 - 115* | | *02/12/13 21:08* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 121* | | *02/12/13 21:08* | *1* |

### Method: RSK-175 - Dissolved Gases (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **9.6** | | 0.50 | | ug/L | | | 02/12/13 16:58 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 16:58 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 16:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *114* | | *40 - 122* | | *02/12/13 16:58* | *1* |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **0.57** | | 0.10 | | mg/L | | | 02/07/13 20:54 | 1 |
| **Alkalinity** | **120** | | 5.0 | | mg/L | | | 02/13/13 22:53 | 1 |
| **Chloride** | **16** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| **Sulfate** | **42** | | 25 | | mg/L | | | 02/14/13 10:40 | 5 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/12/13 16:57 | 1 |
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/14/13 17:06 | 1 |

# Surrogate Summary

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | 12DCE | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (58-123) | (52-136) | (67-125) | (37-132) |
| 240-20760-4 | SED-2 | 83 | 68 | 116 | 92 |
| 240-20760-4 MS | SED-2 | 79 | 68 | 117 | 92 |
| 240-20760-4 MSD | SED-2 | 82 | 70 | 119 | 94 |
| 240-20760-5 | SED-1 | 87 | 76 | 110 | 95 |
| 240-20760-6 | SED-DUP | 88 | 80 | 104 | 91 |
| LCS 240-74675/6 | Lab Control Sample | 92 | 97 | 100 | 96 |
| MB 240-74675/7 | Method Blank | 90 | 95 | 99 | 94 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | 12DCE | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (63-129) | (66-117) | (74-115) | (75-121) |
| 240-20760-1 | SW-2 | 101 | 81 | 89 | 99 |
| 240-20760-1 MS | SW-2 | 90 | 95 | 94 | 92 |
| 240-20760-1 MSD | SW-2 | 92 | 93 | 92 | 93 |
| 240-20760-2 | SW-1 | 108 | 86 | 96 | 105 |
| 240-20760-3 | SW-DUP | 100 | 80 | 87 | 95 |
| 240-20760-7 | TRIP BLANK1 | 98 | 80 | 90 | 98 |
| 240-20760-8 | OW-2 | 96 | 78 | 87 | 96 |
| 240-20760-9 | FIELD BLANK1 | 98 | 79 | 88 | 95 |
| 240-20760-10 | OW-6 | 104 | 83 | 92 | 102 |
| 240-20760-11 | OW-8 | 104 | 83 | 94 | 98 |
| 240-20760-12 | OW-5 | 99 | 78 | 86 | 97 |
| 240-20760-12 MS | OW-5 | 92 | 96 | 95 | 93 |
| 240-20760-12 MSD | OW-5 | 91 | 97 | 93 | 95 |
| LCS 240-74898/4 | Lab Control Sample | 92 | 95 | 94 | 94 |
| LCS 240-75030/4 | Lab Control Sample | 94 | 98 | 97 | 94 |
| MB 240-74898/5 | Method Blank | 94 | 79 | 87 | 94 |
| MB 240-75030/5 | Method Blank | 98 | 82 | 89 | 93 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

# Surrogate Summary

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

## Method: RSK-175 - Dissolved Gases (GC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | Trifluoroeth |
| **Lab Sample ID** | **Client Sample ID** | **(40-122)** |
| 240-20760-8 | OW-2 | 106 |
| 240-20760-10 | OW-6 | 107 |
| 240-20760-11 | OW-8 | 106 |
| 240-20760-12 | OW-5 | 114 |
| 240-20760-12 MS | OW-5 | 106 |
| 240-20760-12 MSD | OW-5 | 108 |
| LCS 240-75041/4 | Lab Control Sample | 110 |
| MB 240-75041/3 | Method Blank | 113 |

**Surrogate Legend**

1,1,1-Trifluoroethane = 1,1,1-Trifluoroethane

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 240-74675/7**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 20 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Benzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Dichlorobromomethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Bromoform | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Bromomethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 2-Butanone (MEK) | ND | | 20 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Carbon disulfide | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Carbon tetrachloride | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Chlorobenzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Chloroethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Chloroform | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Chloromethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,1-Dichloroethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,2-Dichloroethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,1-Dichloroethene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,2-Dichloropropane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| trans-1,3-Dichloropropene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Ethylbenzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 2-Hexanone | ND | | 20 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Methylene Chloride | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Styrene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Tetrachloroethene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Toluene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Trichloroethene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Vinyl chloride | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Xylenes, Total | ND | | 10 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,1,1-Trichloroethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Cyclohexane | ND | | 10 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Ethylene Dibromide | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Dichlorodifluoromethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| trans-1,2-Dichloroethene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Isopropylbenzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Methyl acetate | ND | | 10 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Methyl tert-butyl ether | ND | | 20 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,2-Dichlorobenzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,3-Dichlorobenzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| 1,4-Dichlorobenzene | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Trichlorofluoromethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Chlorodibromomethane | ND | | 5.0 | | ug/Kg | | | 02/08/13 00:39 | 1 |
| Methylcyclohexane | ND | | 10 | | ug/Kg | | | 02/08/13 00:39 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-74675/7**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 58 - 123 | | 02/08/13 00:39 | 1 |
| 4-Bromofluorobenzene (Surr) | 95 | | 52 - 136 | | 02/08/13 00:39 | 1 |
| Toluene-d8 (Surr) | 99 | | 67 - 125 | | 02/08/13 00:39 | 1 |
| Dibromofluoromethane (Surr) | 94 | | 37 - 132 | | 02/08/13 00:39 | 1 |

**Lab Sample ID: LCS 240-74675/6**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 50.0 | 48.5 | | ug/Kg | | 97 | 41 - 137 |
| Benzene | 25.0 | 25.3 | | ug/Kg | | 101 | 79 - 112 |
| Dichlorobromomethane | 25.0 | 26.7 | | ug/Kg | | 107 | 84 - 122 |
| Bromoform | 25.0 | 24.9 | | ug/Kg | | 100 | 62 - 133 |
| Bromomethane | 25.0 | 25.2 | | ug/Kg | | 101 | 42 - 136 |
| 2-Butanone (MEK) | 50.0 | 50.0 | | ug/Kg | | 100 | 52 - 131 |
| Carbon disulfide | 25.0 | 26.9 | | ug/Kg | | 108 | 62 - 146 |
| Carbon tetrachloride | 25.0 | 26.3 | | ug/Kg | | 105 | 71 - 129 |
| Chlorobenzene | 25.0 | 24.7 | | ug/Kg | | 99 | 78 - 110 |
| Chloroethane | 25.0 | 24.9 | | ug/Kg | | 100 | 58 - 117 |
| Chloroform | 25.0 | 25.2 | | ug/Kg | | 101 | 77 - 114 |
| Chloromethane | 25.0 | 26.8 | | ug/Kg | | 107 | 50 - 110 |
| 1,1-Dichloroethane | 25.0 | 25.6 | | ug/Kg | | 102 | 76 - 115 |
| 1,2-Dichloroethane | 25.0 | 25.2 | | ug/Kg | | 101 | 72 - 120 |
| 1,1-Dichloroethene | 25.0 | 27.4 | | ug/Kg | | 110 | 75 - 135 |
| 1,2-Dichloropropane | 25.0 | 25.6 | | ug/Kg | | 102 | 87 - 113 |
| cis-1,3-Dichloropropene | 25.0 | 25.3 | | ug/Kg | | 101 | 74 - 128 |
| trans-1,3-Dichloropropene | 25.0 | 24.8 | | ug/Kg | | 99 | 73 - 131 |
| Ethylbenzene | 25.0 | 24.7 | | ug/Kg | | 99 | 79 - 117 |
| 2-Hexanone | 50.0 | 50.1 | | ug/Kg | | 100 | 64 - 136 |
| Methylene Chloride | 25.0 | 24.6 | | ug/Kg | | 98 | 75 - 118 |
| 4-Methyl-2-pentanone (MIBK) | 50.0 | 52.2 | | ug/Kg | | 104 | 67 - 135 |
| Styrene | 25.0 | 26.6 | | ug/Kg | | 107 | 87 - 117 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 25.0 | | ug/Kg | | 100 | 77 - 123 |
| Tetrachloroethene | 25.0 | 26.3 | | ug/Kg | | 105 | 79 - 114 |
| Toluene | 25.0 | 24.9 | | ug/Kg | | 100 | 75 - 111 |
| Trichloroethene | 25.0 | 25.4 | | ug/Kg | | 102 | 79 - 113 |
| Vinyl chloride | 25.0 | 25.5 | | ug/Kg | | 102 | 57 - 114 |
| Xylenes, Total | 75.0 | 77.7 | | ug/Kg | | 104 | 80 - 118 |
| 1,1,1-Trichloroethane | 25.0 | 26.1 | | ug/Kg | | 104 | 77 - 126 |
| 1,1,2-Trichloroethane | 25.0 | 25.8 | | ug/Kg | | 103 | 83 - 112 |
| Cyclohexane | 25.0 | 24.1 | | ug/Kg | | 96 | 66 - 110 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 23.3 | | ug/Kg | | 93 | 61 - 132 |
| Ethylene Dibromide | 25.0 | 26.0 | | ug/Kg | | 104 | 83 - 117 |
| Dichlorodifluoromethane | 25.0 | 26.1 | | ug/Kg | | 104 | 26 - 113 |
| cis-1,2-Dichloroethene | 25.0 | 25.3 | | ug/Kg | | 101 | 76 - 113 |
| trans-1,2-Dichloroethene | 25.0 | 25.9 | | ug/Kg | | 104 | 78 - 117 |
| Isopropylbenzene | 25.0 | 25.6 | | ug/Kg | | 102 | 76 - 122 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-74675/6**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methyl acetate | 25.0 | 25.3 | | ug/Kg | | 101 | 57 - 130 |
| Methyl tert-butyl ether | 25.0 | 25.4 | | ug/Kg | | 102 | 49 - 165 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 26.7 | | ug/Kg | | 107 | 82 - 138 |
| 1,2,4-Trichlorobenzene | 25.0 | 20.9 | | ug/Kg | | 84 | 64 - 124 |
| 1,2-Dichlorobenzene | 25.0 | 23.5 | | ug/Kg | | 94 | 76 - 110 |
| 1,3-Dichlorobenzene | 25.0 | 24.3 | | ug/Kg | | 97 | 78 - 111 |
| 1,4-Dichlorobenzene | 25.0 | 23.7 | | ug/Kg | | 95 | 75 - 110 |
| Trichlorofluoromethane | 25.0 | 29.5 | | ug/Kg | | 118 | 57 - 146 |
| Chlorodibromomethane | 25.0 | 26.2 | | ug/Kg | | 105 | 72 - 127 |
| Methylcyclohexane | 25.0 | 25.9 | | ug/Kg | | 104 | 70 - 126 |
| m-Xylene & p-Xylene | 50.0 | 51.3 | | ug/Kg | | 103 | 80 - 117 |
| o-Xylene | 25.0 | 26.4 | | ug/Kg | | 105 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *58 - 123* |
| *4-Bromofluorobenzene (Surr)* | *97* | | *52 - 136* |
| *Toluene-d8 (Surr)* | *100* | | *67 - 125* |
| *Dibromofluoromethane (Surr)* | *96* | | *37 - 132* |

**Lab Sample ID: 240-20760-4 MS**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: SED-2**
**Prep Type: Total/NA**
**Prep Batch: 74679**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 375 | 309 | | ug/Kg | ☼ | 54 | 24 - 140 |
| Benzene | ND | | 187 | 203 | | ug/Kg | ☼ | 108 | 53 - 118 |
| Dichlorobromomethane | ND | | 187 | 146 | | ug/Kg | ☼ | 78 | 35 - 132 |
| Bromoform | ND | | 187 | 97.3 | | ug/Kg | ☼ | 52 | 18 - 129 |
| Bromomethane | ND | | 187 | 160 | | ug/Kg | ☼ | 85 | 33 - 130 |
| 2-Butanone (MEK) | ND | | 375 | 262 | | ug/Kg | ☼ | 62 | 30 - 143 |
| Carbon disulfide | ND | | 187 | 176 | | ug/Kg | ☼ | 94 | 20 - 151 |
| Carbon tetrachloride | ND | | 187 | 154 | | ug/Kg | ☼ | 82 | 32 - 137 |
| Chlorobenzene | ND | | 187 | 194 | | ug/Kg | ☼ | 103 | 37 - 116 |
| Chloroethane | ND | | 187 | 218 | | ug/Kg | ☼ | 116 | 45 - 118 |
| Chloroform | ND | | 187 | 213 | | ug/Kg | ☼ | 114 | 53 - 119 |
| Chloromethane | ND | | 187 | 209 | | ug/Kg | ☼ | 112 | 34 - 117 |
| 1,1-Dichloroethane | ND | | 187 | 209 | | ug/Kg | ☼ | 111 | 54 - 122 |
| 1,2-Dichloroethane | ND | | 187 | 175 | | ug/Kg | ☼ | 93 | 49 - 123 |
| 1,1-Dichloroethene | ND | | 187 | 228 | | ug/Kg | ☼ | 122 | 49 - 157 |
| 1,2-Dichloropropane | ND | | 187 | 191 | | ug/Kg | ☼ | 102 | 61 - 117 |
| cis-1,3-Dichloropropene | ND | | 187 | 114 | | ug/Kg | ☼ | 61 | 27 - 133 |
| trans-1,3-Dichloropropene | ND | | 187 | 144 | | ug/Kg | ☼ | 77 | 28 - 137 |
| Ethylbenzene | ND | | 187 | 210 | | ug/Kg | ☼ | 112 | 30 - 131 |
| 2-Hexanone | ND | | 375 | 256 | | ug/Kg | ☼ | 68 | 37 - 147 |
| Methylene Chloride | ND | | 187 | 205 | | ug/Kg | ☼ | 109 | 54 - 115 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 375 | 245 | | ug/Kg | ☼ | 65 | 43 - 147 |
| Styrene | ND | | 187 | 117 | | ug/Kg | ☼ | 63 | 27 - 127 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-4 MS**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: SED-2**
**Prep Type: Total/NA**
**Prep Batch: 74679**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | 187 | 252 | | ug/Kg | ☼ | 135 | 16 - 179 |
| Tetrachloroethene | ND | | 187 | 230 | | ug/Kg | ☼ | 123 | 31 - 135 |
| Toluene | ND | | 187 | 244 | | ug/Kg | ☼ | 129 | 39 - 129 |
| Trichloroethene | ND | | 187 | 193 | | ug/Kg | ☼ | 103 | 10 - 177 |
| Vinyl chloride | ND | | 187 | 226 | F | ug/Kg | ☼ | 121 | 42 - 117 |
| Xylenes, Total | ND | | 562 | 638 | | ug/Kg | ☼ | 114 | 30 - 131 |
| 1,1,1-Trichloroethane | ND | | 187 | 225 | | ug/Kg | ☼ | 120 | 51 - 128 |
| 1,1,2-Trichloroethane | ND | | 187 | 203 | | ug/Kg | ☼ | 109 | 10 - 166 |
| Cyclohexane | ND | | 187 | 187 | | ug/Kg | ☼ | 100 | 28 - 118 |
| 1,2-Dibromo-3-Chloropropane | ND | | 187 | 144 | | ug/Kg | ☼ | 77 | 10 - 153 |
| Ethylene Dibromide | ND | | 187 | 176 | | ug/Kg | ☼ | 94 | 45 - 127 |
| Dichlorodifluoromethane | ND | | 187 | 243 | F | ug/Kg | ☼ | 130 | 17 - 115 |
| cis-1,2-Dichloroethene | ND | | 187 | 199 | | ug/Kg | ☼ | 106 | 50 - 119 |
| trans-1,2-Dichloroethene | ND | | 187 | 208 | | ug/Kg | ☼ | 111 | 50 - 123 |
| Isopropylbenzene | ND | | 187 | 192 | | ug/Kg | ☼ | 103 | 21 - 134 |
| Methyl acetate | ND | | 187 | 98.3 | | ug/Kg | ☼ | 52 | 33 - 165 |
| Methyl tert-butyl ether | ND | | 187 | 169 | | ug/Kg | ☼ | 90 | 51 - 157 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 187 | 225 | | ug/Kg | ☼ | 120 | 50 - 147 |
| 1,2,4-Trichlorobenzene | ND | | 187 | 64.1 | | ug/Kg | ☼ | 34 | 10 - 111 |
| 1,2-Dichlorobenzene | ND | | 187 | 168 | | ug/Kg | ☼ | 90 | 17 - 122 |
| 1,3-Dichlorobenzene | ND | | 187 | 202 | | ug/Kg | ☼ | 108 | 16 - 126 |
| 1,4-Dichlorobenzene | ND | | 187 | 187 | | ug/Kg | ☼ | 100 | 15 - 121 |
| Trichlorofluoromethane | ND | | 187 | 255 | | ug/Kg | ☼ | 136 | 36 - 142 |
| Methylcyclohexane | ND | | 187 | 143 | | ug/Kg | ☼ | 76 | 20 - 132 |
| m-Xylene & p-Xylene | ND | | 375 | 430 | | ug/Kg | ☼ | 115 | 29 - 131 |
| o-Xylene | ND | | 187 | 208 | | ug/Kg | ☼ | 111 | 29 - 134 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *58 - 123* |
| *4-Bromofluorobenzene (Surr)* | *68* | | *52 - 136* |
| *Toluene-d8 (Surr)* | *117* | | *67 - 125* |
| *Dibromofluoromethane (Surr)* | *92* | | *37 - 132* |

**Lab Sample ID: 240-20760-4 MSD**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: SED-2**
**Prep Type: Total/NA**
**Prep Batch: 74679**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 396 | 336 | | ug/Kg | ☼ | 58 | 24 - 140 | 8 | 30 |
| Benzene | ND | | 198 | 213 | | ug/Kg | ☼ | 107 | 53 - 118 | 5 | 30 |
| Dichlorobromomethane | ND | | 198 | 117 | | ug/Kg | ☼ | 59 | 35 - 132 | 22 | 30 |
| Bromoform | ND | | 198 | 66.9 | F | ug/Kg | ☼ | 34 | 18 - 129 | 37 | 30 |
| Bromomethane | ND | | 198 | 141 | | ug/Kg | ☼ | 71 | 33 - 130 | 12 | 30 |
| 2-Butanone (MEK) | ND | | 396 | 267 | | ug/Kg | ☼ | 60 | 30 - 143 | 2 | 30 |
| Carbon disulfide | ND | | 198 | 160 | | ug/Kg | ☼ | 81 | 20 - 151 | 9 | 30 |
| Carbon tetrachloride | ND | | 198 | 109 | F | ug/Kg | ☼ | 55 | 32 - 137 | 34 | 30 |
| Chlorobenzene | ND | | 198 | 188 | | ug/Kg | ☼ | 95 | 37 - 116 | 3 | 30 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-4 MSD**
**Matrix: Solid**
**Analysis Batch: 74675**

**Client Sample ID: SED-2**
**Prep Type: Total/NA**
**Prep Batch: 74679**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloroethane | ND | | 198 | 260 | F | ug/Kg | ☼ | 131 | 45 - 118 | 18 | 30 |
| Chloroform | ND | | 198 | 235 | | ug/Kg | ☼ | 118 | 53 - 119 | 10 | 30 |
| Chloromethane | ND | | 198 | 241 | F | ug/Kg | ☼ | 122 | 34 - 117 | 14 | 30 |
| 1,1-Dichloroethane | ND | | 198 | 224 | | ug/Kg | ☼ | 113 | 54 - 122 | 7 | 30 |
| 1,2-Dichloroethane | ND | | 198 | 181 | | ug/Kg | ☼ | 91 | 49 - 123 | 3 | 30 |
| 1,1-Dichloroethene | ND | | 198 | 250 | | ug/Kg | ☼ | 126 | 49 - 157 | 10 | 30 |
| 1,2-Dichloropropane | ND | | 198 | 199 | | ug/Kg | ☼ | 100 | 61 - 117 | 4 | 30 |
| cis-1,3-Dichloropropene | ND | | 198 | 80.2 | F | ug/Kg | ☼ | 40 | 27 - 133 | 35 | 30 |
| trans-1,3-Dichloropropene | ND | | 198 | 107 | | ug/Kg | ☼ | 54 | 28 - 137 | 29 | 30 |
| Ethylbenzene | ND | | 198 | 209 | | ug/Kg | ☼ | 106 | 30 - 131 | 0 | 30 |
| 2-Hexanone | ND | | 396 | 222 | | ug/Kg | ☼ | 56 | 37 - 147 | 14 | 30 |
| Methylene Chloride | ND | | 198 | 223 | | ug/Kg | ☼ | 113 | 54 - 115 | 9 | 30 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 396 | 242 | | ug/Kg | ☼ | 61 | 43 - 147 | 1 | 30 |
| Styrene | ND | | 198 | 104 | | ug/Kg | ☼ | 52 | 27 - 127 | 12 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | | 198 | 242 | | ug/Kg | ☼ | 122 | 16 - 179 | 4 | 30 |
| Tetrachloroethene | ND | | 198 | 222 | | ug/Kg | ☼ | 112 | 31 - 135 | 4 | 30 |
| Toluene | ND | | 198 | 248 | | ug/Kg | ☼ | 124 | 39 - 129 | 2 | 30 |
| Trichloroethene | ND | | 198 | 199 | | ug/Kg | ☼ | 100 | 10 - 177 | 3 | 30 |
| Vinyl chloride | ND | | 198 | 266 | F | ug/Kg | ☼ | 134 | 42 - 117 | 16 | 30 |
| Xylenes, Total | ND | | 595 | 611 | | ug/Kg | ☼ | 103 | 30 - 131 | 4 | 30 |
| 1,1,1-Trichloroethane | ND | | 198 | 240 | | ug/Kg | ☼ | 121 | 51 - 128 | 7 | 30 |
| 1,1,2-Trichloroethane | ND | | 198 | 210 | | ug/Kg | ☼ | 106 | 10 - 166 | 3 | 30 |
| Cyclohexane | ND | | 198 | 188 | | ug/Kg | ☼ | 95 | 28 - 118 | 1 | 30 |
| 1,2-Dibromo-3-Chloropropane | ND | | 198 | 115 | | ug/Kg | ☼ | 58 | 10 - 153 | 22 | 30 |
| Ethylene Dibromide | ND | | 198 | 169 | | ug/Kg | ☼ | 85 | 45 - 127 | 4 | 30 |
| Dichlorodifluoromethane | ND | | 198 | 276 | F | ug/Kg | ☼ | 139 | 17 - 115 | 13 | 30 |
| cis-1,2-Dichloroethene | ND | | 198 | 209 | | ug/Kg | ☼ | 106 | 50 - 119 | 5 | 30 |
| trans-1,2-Dichloroethene | ND | | 198 | 217 | | ug/Kg | ☼ | 109 | 50 - 123 | 4 | 30 |
| Isopropylbenzene | ND | | 198 | 174 | | ug/Kg | ☼ | 88 | 21 - 134 | 10 | 30 |
| Methyl acetate | ND | | 198 | ND | F | ug/Kg | ☼ | 25 | 33 - 165 | 67 | 30 |
| Methyl tert-butyl ether | ND | | 198 | 177 | | ug/Kg | ☼ | 89 | 51 - 157 | 4 | 30 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 198 | 257 | | ug/Kg | ☼ | 130 | 50 - 147 | 14 | 30 |
| 1,2,4-Trichlorobenzene | ND | | 198 | 49.6 | | ug/Kg | ☼ | 25 | 10 - 111 | 26 | 30 |
| 1,2-Dichlorobenzene | ND | | 198 | 150 | | ug/Kg | ☼ | 76 | 17 - 122 | 12 | 30 |
| 1,3-Dichlorobenzene | ND | | 198 | 170 | | ug/Kg | ☼ | 86 | 16 - 126 | 17 | 30 |
| 1,4-Dichlorobenzene | ND | | 198 | 165 | | ug/Kg | ☼ | 83 | 15 - 121 | 13 | 30 |
| Trichlorofluoromethane | ND | | 198 | 287 | F | ug/Kg | ☼ | 145 | 36 - 142 | 12 | 30 |
| Methylcyclohexane | ND | | 198 | 128 | | ug/Kg | ☼ | 65 | 20 - 132 | 11 | 30 |
| m-Xylene & p-Xylene | ND | | 396 | 410 | | ug/Kg | ☼ | 104 | 29 - 131 | 5 | 30 |
| o-Xylene | ND | | 198 | 201 | | ug/Kg | ☼ | 101 | 29 - 134 | 3 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *82* | | *58 - 123* |
| *4-Bromofluorobenzene (Surr)* | *70* | | *52 - 136* |
| *Toluene-d8 (Surr)* | *119* | | *67 - 125* |
| *Dibromofluoromethane (Surr)* | *94* | | *37 - 132* |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-74898/5**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/11/13 14:27 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/11/13 14:27 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/11/13 14:27 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/11/13 14:27 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/11/13 14:27 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/11/13 14:27 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-74898/5**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *63 - 129* | | *02/11/13 14:27* | *1* |
| *4-Bromofluorobenzene (Surr)* | *79* | | *66 - 117* | | *02/11/13 14:27* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *02/11/13 14:27* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 121* | | *02/11/13 14:27* | *1* |

**Lab Sample ID: LCS 240-74898/4**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 20.0 | 18.3 | | ug/L | | 92 | 43 - 136 |
| Benzene | 10.0 | 9.71 | | ug/L | | 97 | 83 - 112 |
| Dichlorobromomethane | 10.0 | 9.78 | | ug/L | | 98 | 72 - 121 |
| Bromoform | 10.0 | 9.82 | | ug/L | | 98 | 40 - 131 |
| Bromomethane | 10.0 | 10.5 | | ug/L | | 105 | 11 - 185 |
| 2-Butanone (MEK) | 20.0 | 17.9 | | ug/L | | 89 | 60 - 126 |
| Carbon disulfide | 10.0 | 9.65 | | ug/L | | 97 | 62 - 142 |
| Carbon tetrachloride | 10.0 | 9.92 | | ug/L | | 99 | 66 - 128 |
| Chlorobenzene | 10.0 | 9.21 | | ug/L | | 92 | 85 - 110 |
| Chloroethane | 10.0 | 9.87 | | ug/L | | 99 | 25 - 153 |
| Chloroform | 10.0 | 9.30 | | ug/L | | 93 | 79 - 117 |
| Chloromethane | 10.0 | 10.0 | | ug/L | | 100 | 44 - 126 |
| 1,1-Dichloroethane | 10.0 | 9.49 | | ug/L | | 95 | 82 - 115 |
| 1,2-Dichloroethane | 10.0 | 9.41 | | ug/L | | 94 | 71 - 127 |
| 1,1-Dichloroethene | 10.0 | 10.8 | | ug/L | | 108 | 78 - 131 |
| 1,2-Dichloropropane | 10.0 | 9.74 | | ug/L | | 97 | 81 - 115 |
| cis-1,3-Dichloropropene | 10.0 | 9.11 | | ug/L | | 91 | 61 - 115 |
| trans-1,3-Dichloropropene | 10.0 | 9.05 | | ug/L | | 90 | 58 - 117 |
| Ethylbenzene | 10.0 | 9.52 | | ug/L | | 95 | 83 - 112 |
| 2-Hexanone | 20.0 | 18.2 | | ug/L | | 91 | 55 - 133 |
| Methylene Chloride | 10.0 | 9.60 | | ug/L | | 96 | 66 - 131 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 18.7 | | ug/L | | 93 | 63 - 128 |
| Styrene | 10.0 | 9.75 | | ug/L | | 97 | 79 - 114 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.24 | | ug/L | | 92 | 68 - 118 |
| Tetrachloroethene | 10.0 | 9.34 | | ug/L | | 93 | 79 - 114 |
| Toluene | 10.0 | 9.31 | | ug/L | | 93 | 84 - 111 |
| Trichloroethene | 10.0 | 9.56 | | ug/L | | 96 | 76 - 117 |
| Vinyl chloride | 10.0 | 10.2 | | ug/L | | 102 | 53 - 127 |
| Xylenes, Total | 30.0 | 28.7 | | ug/L | | 96 | 83 - 112 |
| 1,1,1-Trichloroethane | 10.0 | 8.95 | | ug/L | | 90 | 74 - 118 |
| 1,1,2-Trichloroethane | 10.0 | 9.74 | | ug/L | | 97 | 80 - 112 |
| Cyclohexane | 10.0 | 10.1 | | ug/L | | 101 | 54 - 121 |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.26 | | ug/L | | 83 | 42 - 136 |
| Ethylene Dibromide | 10.0 | 9.55 | | ug/L | | 95 | 79 - 113 |
| Dichlorodifluoromethane | 10.0 | 10.5 | | ug/L | | 105 | 19 - 129 |
| cis-1,2-Dichloroethene | 10.0 | 9.69 | | ug/L | | 97 | 80 - 113 |
| trans-1,2-Dichloroethene | 10.0 | 9.93 | | ug/L | | 99 | 83 - 117 |
| Isopropylbenzene | 10.0 | 9.36 | | ug/L | | 94 | 75 - 114 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-74898/4**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methyl acetate | 10.0 | ND | | ug/L | | 87 | 58 - 131 |
| Methyl tert-butyl ether | 10.0 | 8.76 | | ug/L | | 88 | 52 - 144 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | 10.0 | 14.9 | | ug/L | | 149 | 74 - 151 |
| 1,2,4-Trichlorobenzene | 10.0 | 6.76 | | ug/L | | 68 | 48 - 135 |
| 1,2-Dichlorobenzene | 10.0 | 9.07 | | ug/L | | 91 | 81 - 110 |
| 1,3-Dichlorobenzene | 10.0 | 9.30 | | ug/L | | 93 | 80 - 110 |
| 1,4-Dichlorobenzene | 10.0 | 9.00 | | ug/L | | 90 | 82 - 110 |
| Trichlorofluoromethane | 10.0 | 16.4 | * | ug/L | | 164 | 49 - 157 |
| Chlorodibromomethane | 10.0 | 9.58 | | ug/L | | 96 | 64 - 119 |
| Methylcyclohexane | 10.0 | 10.1 | | ug/L | | 101 | 56 - 127 |
| m-Xylene & p-Xylene | 20.0 | 19.2 | | ug/L | | 96 | 83 - 113 |
| o-Xylene | 10.0 | 9.46 | | ug/L | | 95 | 83 - 113 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *95* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *94* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 121* |

**Lab Sample ID: 240-20760-1 MS**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: SW-2**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 20.0 | 19.1 | | ug/L | | 95 | 33 - 145 |
| Benzene | ND | | 10.0 | 9.85 | | ug/L | | 98 | 72 - 121 |
| Dichlorobromomethane | ND | | 10.0 | 9.59 | | ug/L | | 96 | 67 - 120 |
| Bromoform | ND | | 10.0 | 9.03 | | ug/L | | 90 | 32 - 128 |
| Bromomethane | ND | | 10.0 | 9.95 | | ug/L | | 100 | 10 - 186 |
| 2-Butanone (MEK) | ND | | 20.0 | 16.9 | | ug/L | | 84 | 54 - 129 |
| Carbon disulfide | ND | | 10.0 | 9.94 | | ug/L | | 99 | 57 - 147 |
| Carbon tetrachloride | ND | | 10.0 | 10.0 | | ug/L | | 100 | 59 - 129 |
| Chlorobenzene | ND | | 10.0 | 9.41 | | ug/L | | 94 | 80 - 110 |
| Chloroethane | ND | | 10.0 | 10.5 | | ug/L | | 105 | 21 - 165 |
| Chloroform | ND | | 10.0 | 9.31 | | ug/L | | 93 | 76 - 118 |
| Chloromethane | ND | | 10.0 | 9.42 | | ug/L | | 94 | 33 - 132 |
| 1,1-Dichloroethane | ND | | 10.0 | 9.56 | | ug/L | | 96 | 79 - 116 |
| 1,2-Dichloroethane | ND | | 10.0 | 9.66 | | ug/L | | 97 | 68 - 129 |
| 1,1-Dichloroethene | ND | | 10.0 | 10.4 | | ug/L | | 104 | 74 - 135 |
| 1,2-Dichloropropane | ND | | 10.0 | 9.85 | | ug/L | | 98 | 78 - 115 |
| cis-1,3-Dichloropropene | ND | | 10.0 | 8.12 | | ug/L | | 81 | 51 - 110 |
| trans-1,3-Dichloropropene | ND | | 10.0 | 8.53 | | ug/L | | 85 | 46 - 116 |
| Ethylbenzene | ND | | 10.0 | 9.58 | | ug/L | | 96 | 75 - 116 |
| 2-Hexanone | ND | | 20.0 | 16.9 | | ug/L | | 85 | 47 - 139 |
| Methylene Chloride | ND | | 10.0 | 9.50 | | ug/L | | 95 | 63 - 128 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20.0 | 17.3 | | ug/L | | 87 | 56 - 131 |
| Styrene | ND | | 10.0 | 10.0 | | ug/L | | 100 | 71 - 117 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-1 MS**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: SW-2**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | 10.0 | 8.90 | | ug/L | | 89 | 63 - 122 |
| Tetrachloroethene | ND | | 10.0 | 9.20 | | ug/L | | 92 | 70 - 117 |
| Toluene | ND | | 10.0 | 9.42 | | ug/L | | 94 | 78 - 114 |
| Trichloroethene | ND | | 10.0 | 9.46 | | ug/L | | 95 | 66 - 120 |
| Vinyl chloride | ND | | 10.0 | 10.2 | | ug/L | | 102 | 49 - 130 |
| Xylenes, Total | ND | | 30.0 | 29.1 | | ug/L | | 97 | 76 - 116 |
| 1,1,1-Trichloroethane | ND | | 10.0 | 9.11 | | ug/L | | 91 | 68 - 121 |
| 1,1,2-Trichloroethane | ND | | 10.0 | 9.69 | | ug/L | | 97 | 75 - 115 |
| Cyclohexane | ND | | 10.0 | 9.47 | | ug/L | | 95 | 49 - 123 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10.0 | 7.40 | | ug/L | | 74 | 32 - 139 |
| Ethylene Dibromide | ND | | 10.0 | 9.26 | | ug/L | | 93 | 74 - 113 |
| Dichlorodifluoromethane | ND | | 10.0 | 8.66 | | ug/L | | 87 | 17 - 128 |
| cis-1,2-Dichloroethene | ND | | 10.0 | 9.68 | | ug/L | | 97 | 70 - 120 |
| trans-1,2-Dichloroethene | ND | | 10.0 | 10.0 | | ug/L | | 100 | 80 - 119 |
| Isopropylbenzene | ND | | 10.0 | 9.45 | | ug/L | | 94 | 68 - 116 |
| Methyl acetate | ND | | 10.0 | ND | | ug/L | | 69 | 47 - 130 |
| Methyl tert-butyl ether | ND | | 10.0 | 8.37 | | ug/L | | 84 | 46 - 144 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 10.0 | 13.0 | | ug/L | | 130 | 70 - 152 |
| 1,2,4-Trichlorobenzene | ND | | 10.0 | 6.06 | | ug/L | | 61 | 38 - 138 |
| 1,2-Dichlorobenzene | ND | | 10.0 | 8.99 | | ug/L | | 90 | 75 - 111 |
| 1,3-Dichlorobenzene | ND | | 10.0 | 8.97 | | ug/L | | 90 | 73 - 110 |
| 1,4-Dichlorobenzene | ND | | 10.0 | 8.87 | | ug/L | | 89 | 75 - 110 |
| Trichlorofluoromethane | ND | * | 10.0 | 15.0 | | ug/L | | 150 | 46 - 157 |
| Chlorodibromomethane | ND | | 10.0 | 9.36 | | ug/L | | 94 | 56 - 118 |
| Methylcyclohexane | ND | | 10.0 | 8.84 | | ug/L | | 88 | 49 - 127 |
| m-Xylene & p-Xylene | ND | | 20.0 | 19.5 | | ug/L | | 98 | 75 - 117 |
| o-Xylene | ND | | 10.0 | 9.62 | | ug/L | | 96 | 76 - 116 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *95* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *94* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 121* |

**Lab Sample ID: 240-20760-1 MSD**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: SW-2**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 20.0 | 18.6 | | ug/L | | 93 | 33 - 145 | 2 | 30 |
| Benzene | ND | | 10.0 | 10.0 | | ug/L | | 100 | 72 - 121 | 2 | 30 |
| Dichlorobromomethane | ND | | 10.0 | 9.75 | | ug/L | | 98 | 67 - 120 | 2 | 30 |
| Bromoform | ND | | 10.0 | 9.01 | | ug/L | | 90 | 32 - 128 | 0 | 30 |
| Bromomethane | ND | | 10.0 | 9.95 | | ug/L | | 99 | 10 - 186 | 0 | 30 |
| 2-Butanone (MEK) | ND | | 20.0 | 17.9 | | ug/L | | 90 | 54 - 129 | 6 | 30 |
| Carbon disulfide | ND | | 10.0 | 9.87 | | ug/L | | 99 | 57 - 147 | 1 | 30 |
| Carbon tetrachloride | ND | | 10.0 | 10.3 | | ug/L | | 103 | 59 - 129 | 3 | 30 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-1 MSD**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: SW-2**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | | 10.0 | 9.33 | | ug/L | | 93 | 80 - 110 | 1 | 30 |
| Chloroethane | ND | | 10.0 | 10.1 | | ug/L | | 101 | 21 - 165 | 4 | 30 |
| Chloroform | ND | | 10.0 | 9.48 | | ug/L | | 95 | 76 - 118 | 2 | 30 |
| Chloromethane | ND | | 10.0 | 9.63 | | ug/L | | 96 | 33 - 132 | 2 | 30 |
| 1,1-Dichloroethane | ND | | 10.0 | 9.68 | | ug/L | | 97 | 79 - 116 | 1 | 30 |
| 1,2-Dichloroethane | ND | | 10.0 | 9.55 | | ug/L | | 95 | 68 - 129 | 1 | 30 |
| 1,1-Dichloroethene | ND | | 10.0 | 10.6 | | ug/L | | 106 | 74 - 135 | 2 | 30 |
| 1,2-Dichloropropane | ND | | 10.0 | 9.84 | | ug/L | | 98 | 78 - 115 | 0 | 30 |
| cis-1,3-Dichloropropene | ND | | 10.0 | 8.43 | | ug/L | | 84 | 51 - 110 | 4 | 30 |
| trans-1,3-Dichloropropene | ND | | 10.0 | 8.61 | | ug/L | | 86 | 46 - 116 | 1 | 30 |
| Ethylbenzene | ND | | 10.0 | 9.39 | | ug/L | | 94 | 75 - 116 | 2 | 30 |
| 2-Hexanone | ND | | 20.0 | 17.7 | | ug/L | | 88 | 47 - 139 | 4 | 30 |
| Methylene Chloride | ND | | 10.0 | 9.62 | | ug/L | | 96 | 63 - 128 | 1 | 30 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20.0 | 18.0 | | ug/L | | 90 | 56 - 131 | 4 | 30 |
| Styrene | ND | | 10.0 | 9.74 | | ug/L | | 97 | 71 - 117 | 3 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | | 10.0 | 9.23 | | ug/L | | 92 | 63 - 122 | 4 | 30 |
| Tetrachloroethene | ND | | 10.0 | 9.10 | | ug/L | | 91 | 70 - 117 | 1 | 30 |
| Toluene | ND | | 10.0 | 9.25 | | ug/L | | 93 | 78 - 114 | 2 | 30 |
| Trichloroethene | ND | | 10.0 | 9.51 | | ug/L | | 95 | 66 - 120 | 0 | 30 |
| Vinyl chloride | ND | | 10.0 | 10.4 | | ug/L | | 104 | 49 - 130 | 1 | 30 |
| Xylenes, Total | ND | | 30.0 | 28.3 | | ug/L | | 94 | 76 - 116 | 3 | 30 |
| 1,1,1-Trichloroethane | ND | | 10.0 | 9.33 | | ug/L | | 93 | 68 - 121 | 2 | 30 |
| 1,1,2-Trichloroethane | ND | | 10.0 | 9.57 | | ug/L | | 96 | 75 - 115 | 1 | 30 |
| Cyclohexane | ND | | 10.0 | 9.73 | | ug/L | | 97 | 49 - 123 | 3 | 30 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10.0 | 7.91 | | ug/L | | 79 | 32 - 139 | 7 | 30 |
| Ethylene Dibromide | ND | | 10.0 | 9.38 | | ug/L | | 94 | 74 - 113 | 1 | 30 |
| Dichlorodifluoromethane | ND | | 10.0 | 8.83 | | ug/L | | 88 | 17 - 128 | 2 | 30 |
| cis-1,2-Dichloroethene | ND | | 10.0 | 9.68 | | ug/L | | 97 | 70 - 120 | 0 | 30 |
| trans-1,2-Dichloroethene | ND | | 10.0 | 10.2 | | ug/L | | 102 | 80 - 119 | 2 | 30 |
| Isopropylbenzene | ND | | 10.0 | 9.29 | | ug/L | | 93 | 68 - 116 | 2 | 30 |
| Methyl acetate | ND | | 10.0 | ND | | ug/L | | 73 | 47 - 130 | 6 | 30 |
| Methyl tert-butyl ether | ND | | 10.0 | 8.71 | | ug/L | | 87 | 46 - 144 | 4 | 30 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 10.0 | 13.0 | | ug/L | | 130 | 70 - 152 | 0 | 30 |
| 1,2,4-Trichlorobenzene | ND | | 10.0 | 6.62 | | ug/L | | 66 | 38 - 138 | 9 | 30 |
| 1,2-Dichlorobenzene | ND | | 10.0 | 8.97 | | ug/L | | 90 | 75 - 111 | 0 | 30 |
| 1,3-Dichlorobenzene | ND | | 10.0 | 9.02 | | ug/L | | 90 | 73 - 110 | 1 | 30 |
| 1,4-Dichlorobenzene | ND | | 10.0 | 8.96 | | ug/L | | 90 | 75 - 110 | 1 | 30 |
| Trichlorofluoromethane | ND | * | 10.0 | 15.3 | | ug/L | | 153 | 46 - 157 | 2 | 30 |
| Chlorodibromomethane | ND | | 10.0 | 9.33 | | ug/L | | 93 | 56 - 118 | 0 | 30 |
| Methylcyclohexane | ND | | 10.0 | 9.11 | | ug/L | | 91 | 49 - 127 | 3 | 30 |
| m-Xylene & p-Xylene | ND | | 20.0 | 18.9 | | ug/L | | 95 | 75 - 117 | 3 | 30 |
| o-Xylene | ND | | 10.0 | 9.43 | | ug/L | | 94 | 76 - 116 | 2 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *93* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *92* | | *74 - 115* |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-1 MSD**
**Matrix: Water**
**Analysis Batch: 74898**

**Client Sample ID: SW-2**
**Prep Type: Total/NA**

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| Dibromofluoromethane (Surr) | 93 | | 75 - 121 |

**Lab Sample ID: MB 240-75030/5**
**Matrix: Water**
**Analysis Batch: 75030**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/12/13 15:33 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/12/13 15:33 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/12/13 15:33 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/12/13 15:33 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/12/13 15:33 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-75030/5**
**Matrix: Water**
**Analysis Batch: 75030**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/12/13 15:33 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *63 - 129* | | *02/12/13 15:33* | *1* |
| *4-Bromofluorobenzene (Surr)* | *82* | | *66 - 117* | | *02/12/13 15:33* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *74 - 115* | | *02/12/13 15:33* | *1* |
| *Dibromofluoromethane (Surr)* | *93* | | *75 - 121* | | *02/12/13 15:33* | *1* |

**Lab Sample ID: LCS 240-75030/4**
**Matrix: Water**
**Analysis Batch: 75030**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 20.0 | 20.2 | | ug/L | | 101 | 43 - 136 |
| Benzene | 10.0 | 10.1 | | ug/L | | 101 | 83 - 112 |
| Dichlorobromomethane | 10.0 | 10.0 | | ug/L | | 100 | 72 - 121 |
| Bromoform | 10.0 | 9.99 | | ug/L | | 100 | 40 - 131 |
| Bromomethane | 10.0 | 10.9 | | ug/L | | 109 | 11 - 185 |
| 2-Butanone (MEK) | 20.0 | 19.0 | | ug/L | | 95 | 60 - 126 |
| Carbon disulfide | 10.0 | 9.63 | | ug/L | | 96 | 62 - 142 |
| Carbon tetrachloride | 10.0 | 10.1 | | ug/L | | 101 | 66 - 128 |
| Chlorobenzene | 10.0 | 9.70 | | ug/L | | 97 | 85 - 110 |
| Chloroethane | 10.0 | 10.2 | | ug/L | | 102 | 25 - 153 |
| Chloroform | 10.0 | 9.54 | | ug/L | | 95 | 79 - 117 |
| Chloromethane | 10.0 | 9.90 | | ug/L | | 99 | 44 - 126 |
| 1,1-Dichloroethane | 10.0 | 9.78 | | ug/L | | 98 | 82 - 115 |
| 1,2-Dichloroethane | 10.0 | 9.83 | | ug/L | | 98 | 71 - 127 |
| 1,1-Dichloroethene | 10.0 | 10.5 | | ug/L | | 105 | 78 - 131 |
| 1,2-Dichloropropane | 10.0 | 9.97 | | ug/L | | 100 | 81 - 115 |
| cis-1,3-Dichloropropene | 10.0 | 9.03 | | ug/L | | 90 | 61 - 115 |
| trans-1,3-Dichloropropene | 10.0 | 9.37 | | ug/L | | 94 | 58 - 117 |
| Ethylbenzene | 10.0 | 9.89 | | ug/L | | 99 | 83 - 112 |
| 2-Hexanone | 20.0 | 20.4 | | ug/L | | 102 | 55 - 133 |
| Methylene Chloride | 10.0 | 9.97 | | ug/L | | 100 | 66 - 131 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 19.7 | | ug/L | | 98 | 63 - 128 |
| Styrene | 10.0 | 10.2 | | ug/L | | 102 | 79 - 114 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.76 | | ug/L | | 98 | 68 - 118 |
| Tetrachloroethene | 10.0 | 9.41 | | ug/L | | 94 | 79 - 114 |
| Toluene | 10.0 | 9.58 | | ug/L | | 96 | 84 - 111 |
| Trichloroethene | 10.0 | 9.83 | | ug/L | | 98 | 76 - 117 |
| Vinyl chloride | 10.0 | 9.97 | | ug/L | | 100 | 53 - 127 |
| Xylenes, Total | 30.0 | 29.5 | | ug/L | | 98 | 83 - 112 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-75030/4**
**Matrix: Water**
**Analysis Batch: 75030**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 10.0 | 9.28 | | ug/L | | 93 | 74 - 118 |
| 1,1,2-Trichloroethane | 10.0 | 10.2 | | ug/L | | 102 | 80 - 112 |
| Cyclohexane | 10.0 | 9.68 | | ug/L | | 97 | 54 - 121 |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.25 | | ug/L | | 82 | 42 - 136 |
| Ethylene Dibromide | 10.0 | 9.93 | | ug/L | | 99 | 79 - 113 |
| Dichlorodifluoromethane | 10.0 | 8.75 | | ug/L | | 87 | 19 - 129 |
| cis-1,2-Dichloroethene | 10.0 | 9.95 | | ug/L | | 99 | 80 - 113 |
| trans-1,2-Dichloroethene | 10.0 | 10.2 | | ug/L | | 102 | 83 - 117 |
| Isopropylbenzene | 10.0 | 9.72 | | ug/L | | 97 | 75 - 114 |
| Methyl acetate | 10.0 | 10.1 | | ug/L | | 101 | 58 - 131 |
| Methyl tert-butyl ether | 10.0 | 9.08 | | ug/L | | 91 | 52 - 144 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 14.1 | | ug/L | | 141 | 74 - 151 |
| 1,2,4-Trichlorobenzene | 10.0 | 7.12 | | ug/L | | 71 | 48 - 135 |
| 1,2-Dichlorobenzene | 10.0 | 9.41 | | ug/L | | 94 | 81 - 110 |
| 1,3-Dichlorobenzene | 10.0 | 9.44 | | ug/L | | 94 | 80 - 110 |
| 1,4-Dichlorobenzene | 10.0 | 9.25 | | ug/L | | 93 | 82 - 110 |
| Trichlorofluoromethane | 10.0 | 16.0 | * | ug/L | | 160 | 49 - 157 |
| Chlorodibromomethane | 10.0 | 9.67 | | ug/L | | 97 | 64 - 119 |
| Methylcyclohexane | 10.0 | 9.42 | | ug/L | | 94 | 56 - 127 |
| m-Xylene & p-Xylene | 20.0 | 19.6 | | ug/L | | 98 | 83 - 113 |
| o-Xylene | 10.0 | 9.89 | | ug/L | | 99 | 83 - 113 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *98* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *97* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 121* |

**Lab Sample ID: 240-20760-12 MS**
**Matrix: Water**
**Analysis Batch: 75030**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 20.0 | 18.3 | | ug/L | | 92 | 33 - 145 |
| Benzene | ND | | 10.0 | 9.96 | | ug/L | | 98 | 72 - 121 |
| Dichlorobromomethane | ND | | 10.0 | 9.67 | | ug/L | | 97 | 67 - 120 |
| Bromoform | ND | | 10.0 | 8.77 | | ug/L | | 88 | 32 - 128 |
| Bromomethane | ND | | 10.0 | 9.93 | | ug/L | | 99 | 10 - 186 |
| 2-Butanone (MEK) | ND | | 20.0 | 16.7 | | ug/L | | 84 | 54 - 129 |
| Carbon disulfide | ND | | 10.0 | 9.66 | | ug/L | | 97 | 57 - 147 |
| Carbon tetrachloride | ND | | 10.0 | 10.0 | | ug/L | | 100 | 59 - 129 |
| Chlorobenzene | ND | | 10.0 | 9.32 | | ug/L | | 93 | 80 - 110 |
| Chloroethane | ND | | 10.0 | 10.2 | | ug/L | | 102 | 21 - 165 |
| Chloroform | ND | | 10.0 | 9.53 | | ug/L | | 95 | 76 - 118 |
| Chloromethane | ND | | 10.0 | 9.85 | | ug/L | | 98 | 33 - 132 |
| 1,1-Dichloroethane | ND | | 10.0 | 9.67 | | ug/L | | 97 | 79 - 116 |
| 1,2-Dichloroethane | ND | | 10.0 | 9.70 | | ug/L | | 97 | 68 - 129 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-12 MS**
**Matrix: Water**
**Analysis Batch: 75030**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | | 10.0 | 10.4 | | ug/L | | 104 | 74 - 135 |
| 1,2-Dichloropropane | ND | | 10.0 | 9.61 | | ug/L | | 96 | 78 - 115 |
| cis-1,3-Dichloropropene | ND | | 10.0 | 7.83 | | ug/L | | 78 | 51 - 110 |
| trans-1,3-Dichloropropene | ND | | 10.0 | 8.36 | | ug/L | | 84 | 46 - 116 |
| Ethylbenzene | ND | | 10.0 | 9.44 | | ug/L | | 94 | 75 - 116 |
| 2-Hexanone | ND | | 20.0 | 17.2 | | ug/L | | 86 | 47 - 139 |
| Methylene Chloride | ND | | 10.0 | 9.67 | | ug/L | | 97 | 63 - 128 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20.0 | 17.0 | | ug/L | | 85 | 56 - 131 |
| Styrene | ND | | 10.0 | 9.98 | | ug/L | | 100 | 71 - 117 |
| 1,1,2,2-Tetrachloroethane | ND | | 10.0 | 9.00 | | ug/L | | 90 | 63 - 122 |
| Tetrachloroethene | 1.5 | | 10.0 | 10.7 | | ug/L | | 92 | 70 - 117 |
| Toluene | ND | | 10.0 | 9.42 | | ug/L | | 94 | 78 - 114 |
| Trichloroethene | ND | | 10.0 | 10.1 | | ug/L | | 95 | 66 - 120 |
| Vinyl chloride | ND | | 10.0 | 10.3 | | ug/L | | 103 | 49 - 130 |
| Xylenes, Total | ND | | 30.0 | 29.1 | | ug/L | | 97 | 76 - 116 |
| 1,1,1-Trichloroethane | ND | | 10.0 | 9.27 | | ug/L | | 93 | 68 - 121 |
| 1,1,2-Trichloroethane | ND | | 10.0 | 9.70 | | ug/L | | 97 | 75 - 115 |
| Cyclohexane | ND | | 10.0 | 9.55 | | ug/L | | 96 | 49 - 123 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10.0 | 7.33 | | ug/L | | 73 | 32 - 139 |
| Ethylene Dibromide | ND | | 10.0 | 9.25 | | ug/L | | 93 | 74 - 113 |
| Dichlorodifluoromethane | ND | | 10.0 | 8.27 | | ug/L | | 83 | 17 - 128 |
| cis-1,2-Dichloroethene | 1.3 | | 10.0 | 11.0 | | ug/L | | 97 | 70 - 120 |
| trans-1,2-Dichloroethene | ND | | 10.0 | 10.2 | | ug/L | | 102 | 80 - 119 |
| Isopropylbenzene | ND | | 10.0 | 9.41 | | ug/L | | 94 | 68 - 116 |
| Methyl acetate | ND | | 10.0 | ND | | ug/L | | 77 | 47 - 130 |
| Methyl tert-butyl ether | ND | | 10.0 | 8.26 | | ug/L | | 83 | 46 - 144 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 10.0 | 13.6 | | ug/L | | 136 | 70 - 152 |
| 1,2,4-Trichlorobenzene | ND | | 10.0 | 6.39 | | ug/L | | 64 | 38 - 138 |
| 1,2-Dichlorobenzene | ND | | 10.0 | 8.99 | | ug/L | | 90 | 75 - 111 |
| 1,3-Dichlorobenzene | ND | | 10.0 | 9.10 | | ug/L | | 91 | 73 - 110 |
| 1,4-Dichlorobenzene | ND | | 10.0 | 8.94 | | ug/L | | 89 | 75 - 110 |
| Trichlorofluoromethane | ND | * | 10.0 | 16.4 | F | ug/L | | 164 | 46 - 157 |
| Chlorodibromomethane | ND | | 10.0 | 9.06 | | ug/L | | 91 | 56 - 118 |
| Methylcyclohexane | ND | | 10.0 | 9.02 | | ug/L | | 90 | 49 - 127 |
| m-Xylene & p-Xylene | ND | | 20.0 | 19.4 | | ug/L | | 97 | 75 - 117 |
| o-Xylene | ND | | 10.0 | 9.70 | | ug/L | | 97 | 76 - 116 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *96* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *95* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *93* | | *75 - 121* |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-12 MSD**
**Matrix: Water**
**Analysis Batch: 75030**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 20.0 | 18.7 | | ug/L | | 94 | 33 - 145 | 2 | 30 |
| Benzene | ND | | 10.0 | 9.96 | | ug/L | | 98 | 72 - 121 | 0 | 30 |
| Dichlorobromomethane | ND | | 10.0 | 9.58 | | ug/L | | 96 | 67 - 120 | 1 | 30 |
| Bromoform | ND | | 10.0 | 8.57 | | ug/L | | 86 | 32 - 128 | 2 | 30 |
| Bromomethane | ND | | 10.0 | 9.70 | | ug/L | | 97 | 10 - 186 | 2 | 30 |
| 2-Butanone (MEK) | ND | | 20.0 | 17.1 | | ug/L | | 85 | 54 - 129 | 2 | 30 |
| Carbon disulfide | ND | | 10.0 | 9.80 | | ug/L | | 98 | 57 - 147 | 1 | 30 |
| Carbon tetrachloride | ND | | 10.0 | 10.6 | | ug/L | | 106 | 59 - 129 | 5 | 30 |
| Chlorobenzene | ND | | 10.0 | 9.52 | | ug/L | | 95 | 80 - 110 | 2 | 30 |
| Chloroethane | ND | | 10.0 | 9.92 | | ug/L | | 99 | 21 - 165 | 3 | 30 |
| Chloroform | ND | | 10.0 | 9.52 | | ug/L | | 95 | 76 - 118 | 0 | 30 |
| Chloromethane | ND | | 10.0 | 10.1 | | ug/L | | 101 | 33 - 132 | 2 | 30 |
| 1,1-Dichloroethane | ND | | 10.0 | 9.86 | | ug/L | | 99 | 79 - 116 | 2 | 30 |
| 1,2-Dichloroethane | ND | | 10.0 | 9.62 | | ug/L | | 96 | 68 - 129 | 1 | 30 |
| 1,1-Dichloroethene | ND | | 10.0 | 10.7 | | ug/L | | 107 | 74 - 135 | 3 | 30 |
| 1,2-Dichloropropane | ND | | 10.0 | 9.72 | | ug/L | | 97 | 78 - 115 | 1 | 30 |
| cis-1,3-Dichloropropene | ND | | 10.0 | 8.24 | | ug/L | | 82 | 51 - 110 | 5 | 30 |
| trans-1,3-Dichloropropene | ND | | 10.0 | 8.52 | | ug/L | | 85 | 46 - 116 | 2 | 30 |
| Ethylbenzene | ND | | 10.0 | 9.65 | | ug/L | | 97 | 75 - 116 | 2 | 30 |
| 2-Hexanone | ND | | 20.0 | 17.2 | | ug/L | | 86 | 47 - 139 | 0 | 30 |
| Methylene Chloride | ND | | 10.0 | 9.93 | | ug/L | | 99 | 63 - 128 | 3 | 30 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20.0 | 17.3 | | ug/L | | 86 | 56 - 131 | 2 | 30 |
| Styrene | ND | | 10.0 | 10.0 | | ug/L | | 100 | 71 - 117 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | | 10.0 | 9.16 | | ug/L | | 92 | 63 - 122 | 2 | 30 |
| Tetrachloroethene | 1.5 | | 10.0 | 10.6 | | ug/L | | 92 | 70 - 117 | 0 | 30 |
| Toluene | ND | | 10.0 | 9.38 | | ug/L | | 94 | 78 - 114 | 0 | 30 |
| Trichloroethene | ND | | 10.0 | 10.2 | | ug/L | | 96 | 66 - 120 | 1 | 30 |
| Vinyl chloride | ND | | 10.0 | 10.5 | | ug/L | | 105 | 49 - 130 | 2 | 30 |
| Xylenes, Total | ND | | 30.0 | 29.5 | | ug/L | | 98 | 76 - 116 | 1 | 30 |
| 1,1,1-Trichloroethane | ND | | 10.0 | 9.67 | | ug/L | | 97 | 68 - 121 | 4 | 30 |
| 1,1,2-Trichloroethane | ND | | 10.0 | 9.66 | | ug/L | | 97 | 75 - 115 | 0 | 30 |
| Cyclohexane | ND | | 10.0 | 9.86 | | ug/L | | 99 | 49 - 123 | 3 | 30 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10.0 | 7.70 | | ug/L | | 77 | 32 - 139 | 5 | 30 |
| Ethylene Dibromide | ND | | 10.0 | 9.40 | | ug/L | | 94 | 74 - 113 | 2 | 30 |
| Dichlorodifluoromethane | ND | | 10.0 | 8.84 | | ug/L | | 88 | 17 - 128 | 7 | 30 |
| cis-1,2-Dichloroethene | 1.3 | | 10.0 | 11.1 | | ug/L | | 98 | 70 - 120 | 1 | 30 |
| trans-1,2-Dichloroethene | ND | | 10.0 | 10.4 | | ug/L | | 104 | 80 - 119 | 2 | 30 |
| Isopropylbenzene | ND | | 10.0 | 9.78 | | ug/L | | 98 | 68 - 116 | 4 | 30 |
| Methyl acetate | ND | | 10.0 | ND | | ug/L | | 80 | 47 - 130 | 4 | 30 |
| Methyl tert-butyl ether | ND | | 10.0 | 8.54 | | ug/L | | 85 | 46 - 144 | 3 | 30 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 10.0 | 14.1 | | ug/L | | 141 | 70 - 152 | 4 | 30 |
| 1,2,4-Trichlorobenzene | ND | | 10.0 | 7.33 | | ug/L | | 73 | 38 - 138 | 14 | 30 |
| 1,2-Dichlorobenzene | ND | | 10.0 | 9.33 | | ug/L | | 93 | 75 - 111 | 4 | 30 |
| 1,3-Dichlorobenzene | ND | | 10.0 | 9.43 | | ug/L | | 94 | 73 - 110 | 4 | 30 |
| 1,4-Dichlorobenzene | ND | | 10.0 | 9.19 | | ug/L | | 92 | 75 - 110 | 3 | 30 |
| Trichlorofluoromethane | ND | * | 10.0 | 16.6 | F | ug/L | | 166 | 46 - 157 | 1 | 30 |
| Chlorodibromomethane | ND | | 10.0 | 9.00 | | ug/L | | 90 | 56 - 118 | 1 | 30 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-20760-12 MSD** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75030**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Methylcyclohexane | ND | | 10.0 | 9.39 | | ug/L | | 94 | 49 - 127 | 4 | 30 |
| m-Xylene & p-Xylene | ND | | 20.0 | 19.7 | | ug/L | | 98 | 75 - 117 | 2 | 30 |
| o-Xylene | ND | | 10.0 | 9.78 | | ug/L | | 98 | 76 - 116 | 1 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *97* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *93* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 121* |

## Method: RSK-175 - Dissolved Gases (GC)

**Lab Sample ID: MB 240-75041/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75041**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/12/13 14:11 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 14:11 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 14:11 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *113* | | *40 - 122* | | *02/12/13 14:11* | *1* |

**Lab Sample ID: LCS 240-75041/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75041**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Methane | | | 116 | 108 | | ug/L | | 93 | 79 - 113 |
| Ethane | | | 218 | 220 | | ug/L | | 101 | 77 - 127 |
| Ethylene | | | 203 | 209 | | ug/L | | 103 | 64 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *110* | | *40 - 122* |

**Lab Sample ID: 240-20760-12 MS** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75041**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Methane | 9.6 | | 116 | 109 | | ug/L | | 85 | 13 - 173 |
| Ethane | ND | | 218 | 202 | | ug/L | | 93 | 59 - 133 |
| Ethylene | ND | | 203 | 193 | | ug/L | | 95 | 51 - 129 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *106* | | *40 - 122* |

## Method: RSK-175 - Dissolved Gases (GC) (Continued)

**Lab Sample ID: 240-20760-12 MSD** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75041**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Methane | 9.6 | | 116 | 118 | | ug/L | | 94 | 13 - 173 | 9 | 42 |
| Ethane | ND | | 218 | 216 | | ug/L | | 99 | 59 - 133 | 7 | 34 |
| Ethylene | ND | | 203 | 204 | | ug/L | | 101 | 51 - 129 | 6 | 34 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *108* | | *40 - 122* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 240-74666/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 74666**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | | 0.10 | | mg/L | | | 02/07/13 17:37 | 1 |

**Lab Sample ID: LCS 240-74666/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 74666**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Nitrate as N | 2.50 | 2.69 | | mg/L | | 108 | 90 - 110 |

**Lab Sample ID: 240-20760-12 MS** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 74666**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.57 | | 2.50 | 3.48 | | mg/L | | 116 | 80 - 120 |

**Lab Sample ID: 240-20760-12 MSD** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 74666**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.57 | | 2.50 | 3.46 | | mg/L | | 115 | 80 - 120 | 1 | 20 |

## Method: 310.1 - Alkalinity

**Lab Sample ID: MB 240-75366/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75366**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | ND | | 5.0 | | mg/L | | | 02/13/13 18:54 | 1 |

## Method: 310.1 - Alkalinity (Continued)

**Lab Sample ID: LCS 240-75366/2**
**Matrix: Water**
**Analysis Batch: 75366**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | | | 39.8 | 43.7 | | mg/L | | 110 | 90 - 127 | | |

**Lab Sample ID: 240-20760-12 MS**
**Matrix: Water**
**Analysis Batch: 75366**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | 120 | | 500 | 533 | | mg/L | | 82 | 10 - 160 | | |

**Lab Sample ID: 240-20760-12 MSD**
**Matrix: Water**
**Analysis Batch: 75366**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | 120 | | 500 | 551 | | mg/L | | 85 | 10 - 160 | 3 | 24 |

**Lab Sample ID: 240-20760-12 DU**
**Matrix: Water**
**Analysis Batch: 75366**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Alkalinity | 120 | | 112 | | mg/L | | 11 | 20 |

## Method: 325.2 - Chloride

**Lab Sample ID: MB 240-75974/5**
**Matrix: Water**
**Analysis Batch: 75974**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 1.0 | | mg/L | | | 02/20/13 08:24 | 1 |

**Lab Sample ID: 240-20760-12 MS**
**Matrix: Water**
**Analysis Batch: 75974**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 16 | | 25.0 | 42.2 | | mg/L | | 105 | 52 - 143 | | |

**Lab Sample ID: 240-20760-12 MSD**
**Matrix: Water**
**Analysis Batch: 75974**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 16 | | 25.0 | 41.8 | | mg/L | | 103 | 52 - 143 | 1 | 20 |

## Method: 375.4 - Sulfate

**Lab Sample ID: MB 240-75355/21**
**Matrix: Water**
**Analysis Batch: 75355**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | ND | | 5.0 | | mg/L | | | 02/14/13 10:19 | 1 |

**Lab Sample ID: LCS 240-75355/31**
**Matrix: Water**
**Analysis Batch: 75355**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Sulfate | 91.1 | 95.7 | | mg/L | | 105 | 80 - 112 |

**Lab Sample ID: 240-20760-12 MS**
**Matrix: Water**
**Analysis Batch: 75355**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 42 | | 25.0 | 73.5 | | mg/L | | 128 | 22 - 151 |

**Lab Sample ID: 240-20760-12 MSD**
**Matrix: Water**
**Analysis Batch: 75355**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 42 | | 25.0 | 71.2 | | mg/L | | 119 | 22 - 151 | 3 | 20 |

## Method: 376.1 - Sulfide

**Lab Sample ID: MB 240-75110/1**
**Matrix: Water**
**Analysis Batch: 75110**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfide | ND | | 1.0 | | mg/L | | | 02/12/13 16:39 | 1 |

**Lab Sample ID: LCS 240-75110/2**
**Matrix: Water**
**Analysis Batch: 75110**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Sulfide | 17.6 | 18.0 | | mg/L | | 102 | 79 - 110 |

**Lab Sample ID: 240-20760-12 MS**
**Matrix: Water**
**Analysis Batch: 75110**

**Client Sample ID: OW-5**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sulfide | ND | | 17.6 | 18.3 | | mg/L | | 104 | 75 - 110 |

## Method: 376.1 - Sulfide (Continued)

**Lab Sample ID: 240-20760-12 MSD** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75110**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | ND | | 17.6 | 19.1 | | mg/L | | 109 | 75 - 110 | 4 | 20 |

## Method: 415.1 - TOC

**Lab Sample ID: MB 240-75428/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75428**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/14/13 16:44 | 1 |

**Lab Sample ID: LCS 240-75428/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75428**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 48.1 | 47.7 | | mg/L | | 99 | 88 - 115 |

**Lab Sample ID: 240-20760-12 MS** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75428**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | 25.0 | 25.0 | | mg/L | | 100 | 72 - 136 |

**Lab Sample ID: 240-20760-12 MSD** — **Client Sample ID: OW-5**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75428**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | 25.0 | 24.0 | | mg/L | | 96 | 72 - 136 | 4 | 20 |

**Lab Sample ID: MB 240-75518/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75518**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/15/13 08:47 | 1 |

**Lab Sample ID: LCS 240-75518/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 75518**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 48.1 | 48.1 | | mg/L | | 100 | 88 - 115 |

## Method: 415.1 - TOC (Continued)

**Lab Sample ID: 240-20760-11 MS**
**Matrix: Water**
**Analysis Batch: 75518**

**Client Sample ID: OW-8**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | 25.0 | 24.9 | | mg/L | | 97 | 72 - 136 | | |

**Lab Sample ID: 240-20760-11 MSD**
**Matrix: Water**
**Analysis Batch: 75518**

**Client Sample ID: OW-8**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | 25.0 | 26.8 | | mg/L | | 104 | 72 - 136 | 7 | 20 |

## GC/MS VOA

### Analysis Batch: 74675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-4 | SED-2 | Total/NA | Solid | 8260B | 74679 |
| 240-20760-4 MS | SED-2 | Total/NA | Solid | 8260B | 74679 |
| 240-20760-4 MSD | SED-2 | Total/NA | Solid | 8260B | 74679 |
| 240-20760-5 | SED-1 | Total/NA | Solid | 8260B | 74679 |
| 240-20760-6 | SED-DUP | Total/NA | Solid | 8260B | 74679 |
| LCS 240-74675/6 | Lab Control Sample | Total/NA | Solid | 8260B | |
| MB 240-74675/7 | Method Blank | Total/NA | Solid | 8260B | |

### Prep Batch: 74679

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-4 | SED-2 | Total/NA | Solid | 5030B | |
| 240-20760-4 MS | SED-2 | Total/NA | Solid | 5030B | |
| 240-20760-4 MSD | SED-2 | Total/NA | Solid | 5030B | |
| 240-20760-5 | SED-1 | Total/NA | Solid | 5030B | |
| 240-20760-6 | SED-DUP | Total/NA | Solid | 5030B | |

### Analysis Batch: 74898

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-1 | SW-2 | Total/NA | Water | 8260B | |
| 240-20760-1 MS | SW-2 | Total/NA | Water | 8260B | |
| 240-20760-1 MSD | SW-2 | Total/NA | Water | 8260B | |
| 240-20760-7 | TRIP BLANK1 | Total/NA | Water | 8260B | |
| 240-20760-8 | OW-2 | Total/NA | Water | 8260B | |
| 240-20760-9 | FIELD BLANK1 | Total/NA | Water | 8260B | |
| 240-20760-10 | OW-6 | Total/NA | Water | 8260B | |
| LCS 240-74898/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 240-74898/5 | Method Blank | Total/NA | Water | 8260B | |

### Analysis Batch: 75030

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-2 | SW-1 | Total/NA | Water | 8260B | |
| 240-20760-3 | SW-DUP | Total/NA | Water | 8260B | |
| 240-20760-11 | OW-8 | Total/NA | Water | 8260B | |
| 240-20760-12 | OW-5 | Total/NA | Water | 8260B | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | 8260B | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | 8260B | |
| LCS 240-75030/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 240-75030/5 | Method Blank | Total/NA | Water | 8260B | |

## GC VOA

### Analysis Batch: 75041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-8 | OW-2 | Total/NA | Water | RSK-175 | |
| 240-20760-10 | OW-6 | Total/NA | Water | RSK-175 | |
| 240-20760-11 | OW-8 | Total/NA | Water | RSK-175 | |
| 240-20760-12 | OW-5 | Total/NA | Water | RSK-175 | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | RSK-175 | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | RSK-175 | |
| LCS 240-75041/4 | Lab Control Sample | Total/NA | Water | RSK-175 | |

## GC VOA (Continued)

### Analysis Batch: 75041 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 240-75041/3 | Method Blank | Total/NA | Water | RSK-175 | |

## General Chemistry

### Analysis Batch: 74666

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-8 | OW-2 | Total/NA | Water | 300.0 | |
| 240-20760-10 | OW-6 | Total/NA | Water | 300.0 | |
| 240-20760-11 | OW-8 | Total/NA | Water | 300.0 | |
| 240-20760-12 | OW-5 | Total/NA | Water | 300.0 | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | 300.0 | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | 300.0 | |
| LCS 240-74666/4 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 240-74666/3 | Method Blank | Total/NA | Water | 300.0 | |

### Analysis Batch: 74776

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-4 | SED-2 | Total/NA | Solid | Moisture | |
| 240-20760-4 DU | SED-2 | Total/NA | Solid | Moisture | |
| 240-20760-5 | SED-1 | Total/NA | Solid | Moisture | |
| 240-20760-6 | SED-DUP | Total/NA | Solid | Moisture | |

### Analysis Batch: 75110

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-8 | OW-2 | Total/NA | Water | 376.1 | |
| 240-20760-10 | OW-6 | Total/NA | Water | 376.1 | |
| 240-20760-11 | OW-8 | Total/NA | Water | 376.1 | |
| 240-20760-12 | OW-5 | Total/NA | Water | 376.1 | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | 376.1 | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | 376.1 | |
| LCS 240-75110/2 | Lab Control Sample | Total/NA | Water | 376.1 | |
| MB 240-75110/1 | Method Blank | Total/NA | Water | 376.1 | |

### Analysis Batch: 75355

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-8 | OW-2 | Total/NA | Water | 375.4 | |
| 240-20760-10 | OW-6 | Total/NA | Water | 375.4 | |
| 240-20760-11 | OW-8 | Total/NA | Water | 375.4 | |
| 240-20760-12 | OW-5 | Total/NA | Water | 375.4 | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | 375.4 | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | 375.4 | |
| LCS 240-75355/31 | Lab Control Sample | Total/NA | Water | 375.4 | |
| MB 240-75355/21 | Method Blank | Total/NA | Water | 375.4 | |

### Analysis Batch: 75366

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-8 | OW-2 | Total/NA | Water | 310.1 | |
| 240-20760-10 | OW-6 | Total/NA | Water | 310.1 | |
| 240-20760-11 | OW-8 | Total/NA | Water | 310.1 | |
| 240-20760-12 | OW-5 | Total/NA | Water | 310.1 | |

## General Chemistry (Continued)

### Analysis Batch: 75366 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-12 DU | OW-5 | Total/NA | Water | 310.1 | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | 310.1 | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | 310.1 | |
| LCS 240-75366/2 | Lab Control Sample | Total/NA | Water | 310.1 | |
| MB 240-75366/3 | Method Blank | Total/NA | Water | 310.1 | |

### Analysis Batch: 75428

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-8 | OW-2 | Total/NA | Water | 415.1 | |
| 240-20760-10 | OW-6 | Total/NA | Water | 415.1 | |
| 240-20760-12 | OW-5 | Total/NA | Water | 415.1 | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | 415.1 | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | 415.1 | |
| LCS 240-75428/4 | Lab Control Sample | Total/NA | Water | 415.1 | |
| MB 240-75428/3 | Method Blank | Total/NA | Water | 415.1 | |

### Analysis Batch: 75518

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-11 | OW-8 | Total/NA | Water | 415.1 | |
| 240-20760-11 MS | OW-8 | Total/NA | Water | 415.1 | |
| 240-20760-11 MSD | OW-8 | Total/NA | Water | 415.1 | |
| LCS 240-75518/4 | Lab Control Sample | Total/NA | Water | 415.1 | |
| MB 240-75518/3 | Method Blank | Total/NA | Water | 415.1 | |

### Analysis Batch: 75974

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20760-8 | OW-2 | Total/NA | Water | 325.2 | |
| 240-20760-10 | OW-6 | Total/NA | Water | 325.2 | |
| 240-20760-11 | OW-8 | Total/NA | Water | 325.2 | |
| 240-20760-12 | OW-5 | Total/NA | Water | 325.2 | |
| 240-20760-12 MS | OW-5 | Total/NA | Water | 325.2 | |
| 240-20760-12 MSD | OW-5 | Total/NA | Water | 325.2 | |
| LCS 240-75974/8 | Lab Control Sample | Total/NA | Water | 325.2 | |
| MB 240-75974/5 | Method Blank | Total/NA | Water | 325.2 | |

## Client Sample ID: SW-2

**Lab Sample ID: 240-20760-1**

**Date Collected: 02/05/13 14:00**
**Matrix: Water**
**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 74898 | 02/11/13 22:01 | LW | TAL NC |

## Client Sample ID: SW-1

**Lab Sample ID: 240-20760-2**

**Date Collected: 02/05/13 14:40**
**Matrix: Water**
**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75030 | 02/12/13 16:18 | LW | TAL NC |

## Client Sample ID: SW-DUP

**Lab Sample ID: 240-20760-3**

**Date Collected: 02/05/13 14:40**
**Matrix: Water**
**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75030 | 02/12/13 16:40 | LW | TAL NC |

## Client Sample ID: SED-2

**Lab Sample ID: 240-20760-4**

**Date Collected: 02/05/13 14:15**
**Matrix: Solid**
**Date Received: 02/07/13 09:20**
**Percent Solids: 12.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5030B | | | 74679 | 02/08/13 00:56 | TL | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 74675 | 02/08/13 04:55 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 74776 | 02/08/13 13:39 | JK | TAL NC |

## Client Sample ID: SED-1

**Lab Sample ID: 240-20760-5**

**Date Collected: 02/05/13 15:05**
**Matrix: Solid**
**Date Received: 02/07/13 09:20**
**Percent Solids: 45.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5030B | | | 74679 | 02/08/13 00:56 | TL | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 74675 | 02/08/13 06:20 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 74776 | 02/08/13 13:39 | JK | TAL NC |

## Client Sample ID: SED-DUP

**Lab Sample ID: 240-20760-6**

**Date Collected: 02/05/13 15:05**
**Matrix: Solid**
**Date Received: 02/07/13 09:20**
**Percent Solids: 43.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5030B | | | 74679 | 02/08/13 00:56 | TL | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 74675 | 02/08/13 06:41 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 74776 | 02/08/13 13:39 | JK | TAL NC |

## Client Sample ID: TRIP BLANK1

**Lab Sample ID: 240-20760-7**

**Date Collected: 02/06/13 08:30**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 74898 | 02/11/13 15:18 | LW | TAL NC |

## Client Sample ID: OW-2

**Lab Sample ID: 240-20760-8**

**Date Collected: 02/06/13 09:55**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 10 | 74898 | 02/11/13 17:33 | LW | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 17:46 | RS | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74666 | 02/07/13 19:32 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75110 | 02/12/13 16:46 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 10:12 | JB | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75366 | 02/13/13 22:24 | OC | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75428 | 02/14/13 18:44 | TH | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |

## Client Sample ID: FIELD BLANK1

**Lab Sample ID: 240-20760-9**

**Date Collected: 02/06/13 10:20**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 74898 | 02/11/13 17:56 | LW | TAL NC |

## Client Sample ID: OW-6

**Lab Sample ID: 240-20760-10**

**Date Collected: 02/06/13 11:35**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1.25 | 74898 | 02/11/13 18:18 | LW | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 17:59 | RS | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74666 | 02/07/13 18:59 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75110 | 02/12/13 16:50 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 10:13 | JB | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75366 | 02/13/13 22:30 | OC | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75428 | 02/14/13 18:55 | TH | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |

## Client Sample ID: OW-8

**Lab Sample ID: 240-20760-11**

**Date Collected: 02/06/13 13:35**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75030 | 02/12/13 17:03 | LW | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 18:11 | RS | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74666 | 02/07/13 19:16 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75110 | 02/12/13 16:53 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 10:13 | JB | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75366 | 02/13/13 22:37 | OC | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 09:09 | TH | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |

## Client Sample ID: OW-5

**Lab Sample ID: 240-20760-12**

**Date Collected: 02/06/13 14:55**

**Matrix: Water**

**Date Received: 02/07/13 09:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75030 | 02/12/13 21:08 | LW | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 16:58 | RS | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74666 | 02/07/13 20:54 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75110 | 02/12/13 16:57 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 5 | 75355 | 02/14/13 10:40 | JB | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75366 | 02/13/13 22:53 | OC | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75428 | 02/14/13 17:06 | TH | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |

**Laboratory References:**

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Certification Summary

Client: Monroeville, PA
Project/Site: CARROLL & DUBIES SF

TestAmerica Job ID: 240-20760-1

## Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|---|---|---|---|---|
| California | NELAP | 9 | 01144CA | 06-30-13 |
| Connecticut | State Program | 1 | PH-0590 | 12-31-13 |
| Florida | NELAP | 4 | E87225 | 06-30-13 |
| Georgia | State Program | 4 | N/A | 06-30-13 |
| Illinois | NELAP | 5 | 200004 | 07-31-13 |
| Kansas | NELAP | 7 | E-10336 | 01-31-14 |
| Kentucky | State Program | 4 | 58 | 06-30-13 |
| L-A-B | DoD ELAP | | L2315 | 07-28-13 |
| Nevada | State Program | 9 | OH-000482008A | 07-31-13 |
| New Jersey | NELAP | 2 | OH001 | 06-30-13 |
| New York | NELAP | 2 | 10975 | 04-01-13 |
| Ohio VAP | State Program | 5 | CL0024 | 01-19-14 |
| Pennsylvania | NELAP | 3 | 68-00340 | 08-31-13 |
| Texas | NELAP | 6 | | 08-03-13 |
| USDA | Federal | | P330-11-00328 | 08-26-14 |
| Virginia | NELAP | 3 | 460175 | 09-14-13 |
| Wisconsin | State Program | 5 | 999518190 | 08-31-13 |

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton OH
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other CERCLA

TestAmerica Laboratories, Inc.

| Client Contact | Client Project Manager: | Site Contact: | Lab Contact: | COC No: |
|---|---|---|---|---|
| Company Name: Cardinal Resources LLC | Barbara Jones | | Nathan Pietras | 020513-1 |
| Address: 1505 E. Carson St. | Telephone: 412-374-0989 | Telephone: | Telephone: | 1 of 2 COCs |
| City/State/Zip: Pittsburgh PA 15203 | Email: bjones@cardinalres.com | Analysis Turnaround Time: CALENDAR DAYS | | For lab use only |
| Phone: 412-374-0989 | | TAT if different from below: Standard | | Walk-in client: ☐ Lab use only: ☐ Lab shipping: ☐ |
| Project Name: Carroll & Dubies SF | Method of Shipment/Carrier: FEDEX | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Job/SDG No: |
| Project Number: 104-0012 | Shipping/Tracking No: 8693 7515 0292 | | | |
| PO# 104-0012 | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | Unpres | Other: | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | Analyses: TCL OLM03.1/4.2 VOA | RSK-175 MEE ONLY | Nitrate | Alkalinity | Chloride | Sulfate | Sulfide | TOC | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-2 | 2/5/2013 | 2:00 | | ✓ | | | | 3 ✓ | | | | | | | N | G | ✓ | | | | | | | | |
| SW-2 MS | 2/5/2013 | 2:00 | | ✓ | | | | 3 ✓ | | | | | | | N | G | ✓ | | | | | | | | |
| SW-2 MSD | 2/5/2013 | 2:00 | | ✓ | | | | 3 ✓ | | | | | | | N | G | ✓ | | | | | | | | |
| SW-1 | 2/5/2013 | 2:40 | | ✓ | | | | 3 | | | | | | | N | G | ✓ | | | | | | | | |
| SW-DUP | 2/5/13 | 2:40 | | ✓ | | | | 3 | | | | | | | N | G | ✓ | | | | | | | | |
| SED-2 | 2/5/13 | 2:15 | | | | ✓ | | | | | | | | ICE (1) | | G | ✓ | | | | | | | | OK to discard free liquid |
| SED-2 MS | 2/5/13 | 2:15 | | | | ✓ | | | | | | | | ICE (1) | | G | ✓ | | | | | | | | |
| SED-2 MSD | 2/5/13 | 2:15 | | | | ✓ | | | | | | | | ICE (1) | | G | ✓ | | | | | | | | |
| SED-1 | 2/5/13 | 3:05 | | | | ✓ | | | | | | | | Ice | | G | ✓ | | | | | | | | |
| SED-DUP | 2/5/13 | 3:05 | | | | ✓ | | | | | | | | Ice | | G | ✓ | | | | | | | | |

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Barbara N. Jones | Cardinal Resources | 2-6-13 3:30 pm | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |
| | | | | TA | 2-7-13 920 |

TAL-0018 (1008)

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# Chain of Custody Record

TestAmerica Laboratory location: North Canton OH
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other CERCLA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

| Client Contact | | | |
|---|---|---|---|
| Company Name: Cardinal Resources LLC | Client Project Manager: Barbara Jones | Site Contact: | Lab Contact: Nathan Pietras |
| Address: 1505 E Carson St. | Telephone: 412-374-0989 | Telephone: | Telephone: |
| City/State/Zip: Pittsburgh PA 15203 | Email: bjones@cardinalres.com | Analysis Turnaround Time: CALENDAR DAYS | Analyses |
| Phone: 412-374-0989 | | TAT if different from below: STANDARD ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | |
| Project Name: Carroll & Dubies SF | Method of Shipment/Carrier: FEDEX | | |
| Project Number: 104-0012 | Shipping/Tracking No: 8693 7515 0293 | | |
| PO# 104-0012 | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAcd NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite = C Grab = G | VOA TCL 01,M03,1/4,2 | RSK-175 MEE ONLY | Nitrate | Alkalinity | Chloride | Sulfate | Sulfide | TOC | For lab use only: Walk-in client: ☐ Lab sampling: ☐ Job/SDG No: | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRIP BLANK 1 | 2-6-13 | 8:30 | | ✓ | | | | 2 | 2 | 3 | | | | | | | ✓ | | | | | | | | | |
| OW-2 | 2-6-13 | 9:55 | | ✓ | | | | 2 | | 6 | | 1 | 1 | | N | G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Field Blank 1 | 2-6-13 | 10:20 | | ✓ | | | | | | 3 | | | | | | | ✓ | | | | | | | | | |
| OW-6 | 2-6-13 | 11:35 | | ✓ | | | | 2 | | 6 | | 1 | 1 | | N | G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| OW-8 | 2-6-13 | 1:35 | | ✓ | | | | 2 | | 6 | | 1 | 1 | | N | G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| OW-5 | 2-6-13 | 2:55 | | ✓ | | | | 2 | | 6 | | 1 | 1 | | N | G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| OW-5 MS | 2-6-13 | 2:55 | | ✓ | | | | 2 | | 6 | | 1 | 1 | | N | G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| OW-5 MSD | 2-6-13 | 2:55 | | ✓ | | | | 2 | | 6 | | 1 | 1 | | N | G | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: Barbara J. Jones | Company: Cardinal Res | Date/Time: 2/6/2013 3:30 PM | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: Derek D. Green | Company: TA | Date/Time: 2-7-13 920 |

TAL-0018 (1008)

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2/21/2013

**TestAmerica Canton Sample Receipt Form/Narrative** Login # : 10760

Client Cardinal Resources LLC Site Name _____ By: Derek W. Heem (Signature)

Cooler Received on 2-7-13 Opened on 2-7-13

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

| | | | |
|---|---|---|---|
| IR GUN# 1 | (CF –2 °C) Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |
| IR GUN# 4G | (CF 0 °C) Observed Sample Temp. 2.8 °C | Corrected Sample Temp. 2.8 °C | ☐ Multiple on Back |
| IR GUN# 5G | (CF 0 °C) Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |
| IR GUN# 8 | (CF 0 °C) Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |

| | | |
|---|---|---|
| 2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 0 | (Yes) | No |
| -Were custody seals on the outside of the cooler(s) signed & dated? | (Yes) | No NA |
| -Were custody seals on the bottle(s)? | Yes | (No) |
| 3. Shippers' packing slip attached to the cooler(s)? | (Yes) | No |
| 4. Did custody papers accompany the sample(s)? | (Yes) | No |
| 5. Were the custody papers relinquished & signed in the appropriate place? | (Yes) | No |
| 6. Did all bottles arrive in good condition (Unbroken)? | Yes | (No) |
| 7. Could all bottle labels be reconciled with the COC? | (Yes) | No |
| 8. Were correct bottle(s) used for the test(s) indicated? | (Yes) | No |
| 9. Sufficient quantity received to perform indicated analyses? | (Yes) | No |
| 10. Were sample(s) at the correct pH upon receipt? | (Yes) | No NA |
| 11. Were VOAs on the COC? | (Yes) | No |
| 12. Were air bubbles >6 mm in any VOA vials? | Yes | (No) NA |
| 13. Was a trip blank present in the cooler(s)? | (Yes) | No |

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

**14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**

Field Blank 1 on coc at 10:20 vials marked Trip blank 1 at 10:20 will log per coc

**15. SAMPLE CONDITION**

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) 2x40ml, SW-1 were received in a broken container.

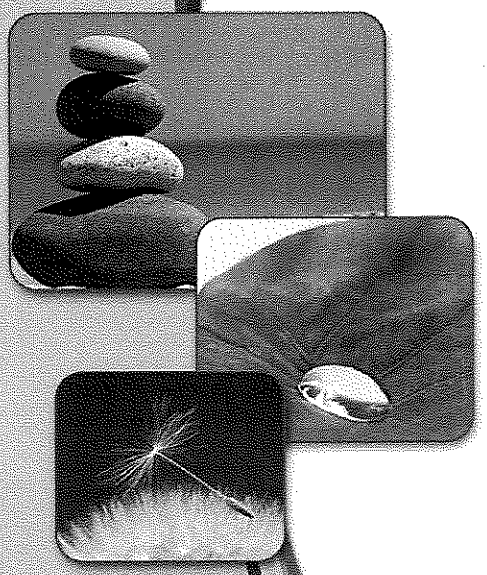
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16- SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)?

| Client ID | pH | Date | Initials |
|---|---|---|---|
| MW-2 | 7 | 2-7-13 | VDB |
| MW-6 | 7 | | |
| MW-8 | 7 | | |
| MW-5 MS/MSD | 7 7 7 | | |

| Cooler # | Observed Sample Temp. °C | Corrected Sample Temp. °C | IR # | Coolant |
|---|---|---|---|---|



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-20928-1
Client Project/Site: C & D GW Sampling

For:
Monroeville, PA
1505 E Carson Street
Suite #200
Pittsburgh, Pennsylvania 15203

Attn: Barbara Jones

*Authorized for release by:*
*2/22/2013 3:20:38 PM*

Nathan Pietras
Project Manager II
nathan.pietras@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| 4 | MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable. |

### General Chemistry

| Qualifier | Qualifier Description |
|---|---|
| H | Sample was prepped or analyzed beyond the specified holding time |
| F | MS or MSD exceeds the control limits |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDA | Minimum detectable activity |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

## Job ID: 240-20928-1

**Laboratory: TestAmerica Canton**

**Narrative**

**Job Narrative**
**240-20928-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 2/11/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.8° C and 1.2° C.

Except:

Method(s) 300.0: The following sample(s) was received outside of holding time: GW-DUP (240-20928-14), MW-4 (240-20928-5), OW-10R (240-20928-2), OW-13R (240-20928-13), OW-18 (240-20928-8), OW-19 (240-20928-10), OW-21 (240-20928-4), OW-22 (240-20928-3), OW-24 (240-20928-9), OW-25 (240-20928-12).

**GC/MS VOA**
No analytical or quality issues were noted.

**GC VOA**
Method(s) RSK-175: The continuing calibration verification (CCV) for Ethane associated with batch 75041 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) RSK-175: The continuing calibration verification (CCV) for Ethane and Ethylene associated with batch 75041 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 240-75673.

No other analytical or quality issues were noted.

**General Chemistry**
Method(s) 310.1, SM 2320B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the second half of alkalinity batch 75599 were not spiked and therefor were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 376.1: The sulfide sample result is more negative than the reporting limit due to possible matrix interference requiring the use of additional iodine to reach an end point.

Method(s) 376.1, SM 4500 S2 E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with sulfide batch 75235.

Method(s) 376.1, SM 4500 S2 E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with sulfide batch 75383.

No other analytical or quality issues were noted.

**VOA Prep**
No analytical or quality issues were noted.

# Method Summary

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL NC |
| RSK-175 | Dissolved Gases (GC) | RSK | TAL NC |
| 300.0 | Anions, Ion Chromatography | MCAWW | TAL NC |
| 310.1 | Alkalinity | MCAWW | TAL NC |
| 325.2 | Chloride | MCAWW | TAL NC |
| 375.4 | Sulfate | MCAWW | TAL NC |
| 376.1 | Sulfide | MCAWW | TAL NC |
| 415.1 | TOC | MCAWW | TAL NC |

**Protocol References:**

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 240-20928-1 | FIELD BLANK 3 | Water | 02/08/13 09:15 | 02/11/13 08:30 |
| 240-20928-2 | OW-10R | Water | 02/08/13 09:55 | 02/11/13 08:30 |
| 240-20928-3 | OW-22 | Water | 02/08/13 10:55 | 02/11/13 08:30 |
| 240-20928-4 | OW-21 | Water | 02/08/13 12:35 | 02/11/13 08:30 |
| 240-20928-5 | MW-4 | Water | 02/08/13 13:55 | 02/11/13 08:30 |
| 240-20928-6 | TRIP BLANK 2 | Water | 02/07/13 08:00 | 02/11/13 08:30 |
| 240-20928-7 | FIELD BLANK 2 | Water | 02/07/13 08:30 | 02/11/13 08:30 |
| 240-20928-8 | OW-18 | Water | 02/07/13 08:55 | 02/11/13 08:30 |
| 240-20928-9 | OW-24 | Water | 02/07/13 10:45 | 02/11/13 08:30 |
| 240-20928-10 | OW-19 | Water | 02/07/13 12:40 | 02/11/13 08:30 |
| 240-20928-11 | PUMP RINSATE BLANK | Water | 02/07/13 11:25 | 02/11/13 08:30 |
| 240-20928-12 | OW-25 | Water | 02/07/13 14:50 | 02/11/13 08:30 |
| 240-20928-13 | OW-13R | Water | 02/08/13 08:40 | 02/11/13 08:30 |
| 240-20928-14 | GW-DUP | Water | 02/08/13 09:00 | 02/11/13 08:30 |

# Detection Summary

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

## Client Sample ID: FIELD BLANK 3 — Lab Sample ID: 240-20928-1

No Detections

## Client Sample ID: OW-10R — Lab Sample ID: 240-20928-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 2.8 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Chlorobenzene | 6.0 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Chloroethane | 1.3 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 2700 | | 2.5 | | ug/L | 5 | | RSK-175 | Total/NA |
| Alkalinity | 280 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 2.3 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 28 | | 25 | | mg/L | 5 | | 375.4 | Total/NA |
| Total Organic Carbon | 3.3 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: OW-22 — Lab Sample ID: 240-20928-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 6.2 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Chlorobenzene | 9.3 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 2400 | | 2.5 | | ug/L | 5 | | RSK-175 | Total/NA |
| Alkalinity | 350 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 14 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Total Organic Carbon | 10 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: OW-21 — Lab Sample ID: 240-20928-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 2.0 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 400 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Alkalinity | 280 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 5.2 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 29 | | 25 | | mg/L | 5 | | 375.4 | Total/NA |
| Total Organic Carbon | 3.8 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: MW-4 — Lab Sample ID: 240-20928-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.2 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 55 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Alkalinity | 110 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 19 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 44 | | 25 | | mg/L | 5 | | 375.4 | Total/NA |
| Total Organic Carbon | 1.7 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: TRIP BLANK 2 — Lab Sample ID: 240-20928-6

No Detections

## Client Sample ID: FIELD BLANK 2 — Lab Sample ID: 240-20928-7

No Detections

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

## Client Sample ID: OW-18 — Lab Sample ID: 240-20928-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 5.1 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Chlorobenzene | 11 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Vinyl chloride | 1.1 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| 1,4-Dichlorobenzene | 1.4 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 4500 | | 2.5 | | ug/L | 5 | | RSK-175 | Total/NA |
| Ethane | 0.51 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Ethylene | 0.53 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Alkalinity | 380 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 17 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Total Organic Carbon | 14 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: OW-24 — Lab Sample ID: 240-20928-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.20 | H | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Alkalinity | 120 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 1.6 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 14 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |

## Client Sample ID: OW-19 — Lab Sample ID: 240-20928-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 2.5 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Chlorobenzene | 14 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Chloroethane | 1.2 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Vinyl chloride | 3.1 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 1.1 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| 1,4-Dichlorobenzene | 1.1 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 1300 | | 2.5 | | ug/L | 5 | | RSK-175 | Total/NA |
| Ethane | 1.3 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Ethylene | 0.50 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Alkalinity | 310 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 110 | | 5.0 | | mg/L | 5 | | 325.2 | Total/NA |
| Sulfate | 19 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |
| Total Organic Carbon | 12 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: PUMP RINSATE BLANK — Lab Sample ID: 240-20928-11

No Detections

## Client Sample ID: OW-25 — Lab Sample ID: 240-20928-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 3.9 | H | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Alkalinity | 31 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 1.5 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 10 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |
| Total Organic Carbon | 2.2 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: OW-13R — Lab Sample ID: 240-20928-13

This Detection Summary does not include radiochemical test results.

## Client Sample ID: OW-13R (Continued) — Lab Sample ID: 240-20928-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 5.4 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 1.9 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 190 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Nitrate as N | 1.5 | H | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Alkalinity | 290 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 3.3 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 28 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |
| Sulfide | 1.0 | | 1.0 | | mg/L | 1 | | 376.1 | Total/NA |
| Total Organic Carbon | 3.7 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

## Client Sample ID: GW-DUP — Lab Sample ID: 240-20928-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 5.0 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 1.8 | | 1.0 | | ug/L | 1 | | 8260B | Total/NA |
| Methane | 210 | | 0.50 | | ug/L | 1 | | RSK-175 | Total/NA |
| Nitrate as N | 1.6 | H | 0.10 | | mg/L | 1 | | 300.0 | Total/NA |
| Alkalinity | 280 | | 5.0 | | mg/L | 1 | | 310.1 | Total/NA |
| Chloride | 3.4 | | 1.0 | | mg/L | 1 | | 325.2 | Total/NA |
| Sulfate | 29 | | 5.0 | | mg/L | 1 | | 375.4 | Total/NA |
| Total Organic Carbon | 3.3 | | 1.0 | | mg/L | 1 | | 415.1 | Total/NA |

This Detection Summary does not include radiochemical test results.

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: FIELD BLANK 3**
**Date Collected: 02/08/13 09:15**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-1**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 21:21 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 21:21 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 21:21 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 21:21 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Dichlorodifluoromethane | ND | UJ | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 21:21 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 21:21 | 1 |

UJ for continuing cal. BNQ 3/20

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: FIELD BLANK 3**
**Date Collected: 02/08/13 09:15**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-1**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *83* | | *63 - 129* | | *02/14/13 21:21* | *1* |
| *4-Bromofluorobenzene (Surr)* | *80* | | *66 - 117* | | *02/14/13 21:21* | *1* |
| *Toluene-d8 (Surr)* | *82* | | *74 - 115* | | *02/14/13 21:21* | *1* |
| *Dibromofluoromethane (Surr)* | *93* | | *75 - 121* | | *02/14/13 21:21* | *1* |

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: OW-10R**
**Date Collected: 02/08/13 09:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-2**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 21:43 | 1 |
| **Benzene** | **2.8** | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 21:43 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| **Chlorobenzene** | **6.0** | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| **Chloroethane** | **1.3** | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 21:43 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 21:43 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Dichlorodifluoromethane | ND | UJ | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 21:43 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 21:43 | 1 |

UJ BHG 3/20/13 continuing cal.

**Client Sample ID: OW-10R**
**Date Collected: 02/08/13 09:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-2**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *83* | | *63 - 129* | | *02/14/13 21:43* | *1* |
| *4-Bromofluorobenzene (Surr)* | *84* | | *66 - 117* | | *02/14/13 21:43* | *1* |
| *Toluene-d8 (Surr)* | *81* | | *74 - 115* | | *02/14/13 21:43* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 121* | | *02/14/13 21:43* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **2700** | | 2.5 | | ug/L | | | 02/14/13 17:41 | 5 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 19:24 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 19:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *97* | | *40 - 122* | | *02/12/13 19:24* | *1* |
| *1,1,1-Trifluoroethane* | *100* | | *40 - 122* | | *02/14/13 17:41* | *5* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 0.10 | | mg/L | | | 02/11/13 19:53 | 1 |
| **Alkalinity** | **280** | | 5.0 | | mg/L | | | 02/15/13 21:17 | 1 |
| **Chloride** | **2.3** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| **Sulfate** | **28** | | 25 | | mg/L | | | 02/14/13 12:18 | 5 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:15 | 1 |
| **Total Organic Carbon** | **3.3** | | 1.0 | | mg/L | | | 02/15/13 11:08 | 1 |

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: OW-22**
**Date Collected: 02/08/13 10:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-3**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 22:04 | 1 |
| **Benzene** | **6.2** | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 22:04 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| **Chlorobenzene** | **9.3** | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 22:04 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 22:04 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Dichlorodifluoromethane | ND | UJ | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 22:04 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 22:04 | 1 |

UJ BNG 3/21/13 continuing cal.

**Client Sample ID: OW-22**
**Date Collected: 02/08/13 10:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-3**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *84* | | *63 - 129* | | *02/14/13 22:04* | *1* |
| *4-Bromofluorobenzene (Surr)* | *84* | | *66 - 117* | | *02/14/13 22:04* | *1* |
| *Toluene-d8 (Surr)* | *81* | | *74 - 115* | | *02/14/13 22:04* | *1* |
| *Dibromofluoromethane (Surr)* | *88* | | *75 - 121* | | *02/14/13 22:04* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **2400** | | 2.5 | | ug/L | | | 02/14/13 18:18 | 5 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 19:36 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 19:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *88* | | *40 - 122* | | *02/12/13 19:36* | *1* |
| *1,1,1-Trifluoroethane* | *98* | | *40 - 122* | | *02/14/13 18:18* | *5* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 0.10 | | mg/L | | | 02/11/13 17:42 | 1 |
| **Alkalinity** | **350** | | 5.0 | | mg/L | | | 02/15/13 21:29 | 1 |
| **Chloride** | **14** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| Sulfate | ND | | 5.0 | | mg/L | | | 02/14/13 10:15 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:19 | 1 |
| **Total Organic Carbon** | **10** | | 1.0 | | mg/L | | | 02/15/13 11:19 | 1 |

**Client Sample ID: OW-21**
**Date Collected: 02/08/13 12:35**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-4**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 22:25 | 1 |
| **Benzene** | **2.0** | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 22:25 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 22:25 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 22:25 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 22:25 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 22:25 | 1 |

BNQ 3/20/13 continuing cal.

**Client Sample ID: OW-21**
**Date Collected: 02/08/13 12:35**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-4**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *84* | | *63 - 129* | | *02/14/13 22:25* | *1* |
| *4-Bromofluorobenzene (Surr)* | *80* | | *66 - 117* | | *02/14/13 22:25* | *1* |
| *Toluene-d8 (Surr)* | *81* | | *74 - 115* | | *02/14/13 22:25* | *1* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 121* | | *02/14/13 22:25* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **400** | | 0.50 | | ug/L | | | 02/12/13 19:49 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 19:49 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 19:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *95* | | *40 - 122* | | *02/12/13 19:49* | *1* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 0.10 | | mg/L | | | 02/11/13 16:53 | 1 |
| **Alkalinity** | **280** | | 5.0 | | mg/L | | | 02/19/13 16:48 | 1 |
| **Chloride** | **5.2** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| **Sulfate** | **29** | | 25 | | mg/L | | | 02/14/13 12:20 | 5 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:22 | 1 |
| **Total Organic Carbon** | **3.8** | | 1.0 | | mg/L | | | 02/15/13 11:30 | 1 |

**Client Sample ID: MW-4**
**Date Collected: 02/08/13 13:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-5**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 22:46 | 1 |
| **Benzene** | **1.2** | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 22:46 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 22:46 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 22:46 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Dichlorodifluoromethane | ND | J5 | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 22:46 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 22:46 | 1 |

J5 BNQ 3/20/13 continuing cal.

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: MW-4**
**Date Collected: 02/08/13 13:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-5**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *63 - 129* | | *02/14/13 22:46* | *1* |
| *4-Bromofluorobenzene (Surr)* | *82* | | *66 - 117* | | *02/14/13 22:46* | *1* |
| *Toluene-d8 (Surr)* | *83* | | *74 - 115* | | *02/14/13 22:46* | *1* |
| *Dibromofluoromethane (Surr)* | *91* | | *75 - 121* | | *02/14/13 22:46* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **55** | | 0.50 | | ug/L | | | 02/12/13 20:01 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 20:01 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 20:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *98* | | *40 - 122* | | *02/12/13 20:01* | *1* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 0.10 | | mg/L | | | 02/11/13 16:36 | 1 |
| **Alkalinity** | **110** | | 5.0 | | mg/L | | | 02/19/13 16:55 | 1 |
| **Chloride** | **19** | | 1.0 | | mg/L | | | 02/20/13 12:46 | 1 |
| **Sulfate** | **44** | | 25 | | mg/L | | | 02/14/13 10:43 | 5 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:26 | 1 |
| **Total Organic Carbon** | **1.7** | | 1.0 | | mg/L | | | 02/15/13 11:41 | 1 |

**Client Sample ID: TRIP BLANK 2**
**Date Collected: 02/07/13 08:00**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-6**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 23:08 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 23:08 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 23:08 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 23:08 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 23:08 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 23:08 | 1 |

WS ⊙ BNQ continuing cal 3/20

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: TRIP BLANK 2**
**Date Collected: 02/07/13 08:00**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-6**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 63 - 129 | | 02/14/13 23:08 | 1 |
| 4-Bromofluorobenzene (Surr) | 80 | | 66 - 117 | | 02/14/13 23:08 | 1 |
| Toluene-d8 (Surr) | 82 | | 74 - 115 | | 02/14/13 23:08 | 1 |
| Dibromofluoromethane (Surr) | 94 | | 75 - 121 | | 02/14/13 23:08 | 1 |

**Client Sample ID: FIELD BLANK 2**
**Date Collected: 02/07/13 08:30**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-7**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 23:29 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 23:29 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 23:29 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 23:29 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 23:29 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 23:29 | 1 |

BM 3/20/13 continuing cal.

**Client Sample ID: FIELD BLANK 2**
**Date Collected: 02/07/13 08:30**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-7**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 63 - 129 | | 02/14/13 23:29 | 1 |
| 4-Bromofluorobenzene (Surr) | 85 | | 66 - 117 | | 02/14/13 23:29 | 1 |
| Toluene-d8 (Surr) | 84 | | 74 - 115 | | 02/14/13 23:29 | 1 |
| Dibromofluoromethane (Surr) | 89 | | 75 - 121 | | 02/14/13 23:29 | 1 |

**Client Sample ID: OW-18**
**Date Collected: 02/07/13 08:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-8**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 15:22 | 1 |
| **Benzene** | **5.1** | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 15:22 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| **Chlorobenzene** | **11** | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 15:22 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 15:22 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| **Vinyl chloride** | **1.1** | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 15:22 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| **1,4-Dichlorobenzene** | **1.4** | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 15:22 | 1 |

BLG 3/20/13 continuing cal.

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: OW-18**
**Date Collected: 02/07/13 08:55**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-8**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *63 - 129* | | *02/15/13 15:22* | *1* |
| *4-Bromofluorobenzene (Surr)* | *86* | | *66 - 117* | | *02/15/13 15:22* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *02/15/13 15:22* | *1* |
| *Dibromofluoromethane (Surr)* | *86* | | *75 - 121* | | *02/15/13 15:22* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **4500** | | 2.5 | | ug/L | | | 02/14/13 18:42 | 5 |
| **Ethane** | **0.51** | | 0.50 | | ug/L | | | 02/14/13 18:30 | 1 |
| **Ethylene** | **0.53** | | 0.50 | | ug/L | | | 02/12/13 20:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *65* | | *40 - 122* | | *02/12/13 20:13* | *1* |
| *1,1,1-Trifluoroethane* | *88* | | *40 - 122* | | *02/14/13 18:30* | *1* |
| *1,1,1-Trifluoroethane* | *95* | | *40 - 122* | | *02/14/13 18:42* | *5* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 0.10 | | mg/L | | | 02/11/13 17:09 | 1 |
| **Alkalinity** | **380** | | 5.0 | | mg/L | | | 02/15/13 21:42 | 1 |
| **Chloride** | **17** | | 1.0 | | mg/L | | | 02/20/13 12:48 | 1 |
| Sulfate | ND | | 5.0 | | mg/L | | | 02/14/13 10:19 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:30 | 1 |
| **Total Organic Carbon** | **14** | | 1.0 | | mg/L | | | 02/15/13 11:52 | 1 |

JJ BNJ 3/12

**Client Sample ID: OW-24**
**Date Collected: 02/07/13 10:45**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-9**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 15:44 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 15:44 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 15:44 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 15:44 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Dichlorodifluoromethane | ND | RLJ | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 15:44 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 15:44 | 1 |

RLJ BNJ 3/20/13 continuing cal.

**Client Sample ID: OW-24**
**Date Collected: 02/07/13 10:45**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-9**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *63 - 129* | | *02/15/13 15:44* | *1* |
| *4-Bromofluorobenzene (Surr)* | *77* | | *66 - 117* | | *02/15/13 15:44* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *02/15/13 15:44* | *1* |
| *Dibromofluoromethane (Surr)* | *86* | | *75 - 121* | | *02/15/13 15:44* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/12/13 20:25 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 20:25 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 20:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *95* | | *40 - 122* | | *02/12/13 20:25* | *1* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **0.20** | H J BNG 3/22 | 0.10 | | mg/L | | | 02/11/13 17:58 | 1 |
| **Alkalinity** | **120** | | 5.0 | | mg/L | | | 02/15/13 21:49 | 1 |
| **Chloride** | **1.6** | | 1.0 | | mg/L | | | 02/20/13 12:48 | 1 |
| **Sulfate** | **14** | | 5.0 | | mg/L | | | 02/14/13 11:38 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:34 | 1 |
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/15/13 12:03 | 1 |

**Client Sample ID: OW-19**
**Date Collected: 02/07/13 12:40**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-10**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 16:05 | 1 |
| **Benzene** | **2.5** | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 16:05 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| **Chlorobenzene** | **14** | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| **Chloroethane** | **1.2** | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 16:05 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 16:05 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| **Vinyl chloride** | **3.1** | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Dichlorodifluoromethane | ND | UJ | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| **cis-1,2-Dichloroethene** | **1.1** | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 16:05 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| **1,4-Dichlorobenzene** | **1.1** | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 16:05 | 1 |

UJ 3/20/13 BLW continuing cal.

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: OW-19**
**Date Collected: 02/07/13 12:40**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-10**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *63 - 129* | | *02/15/13 16:05* | *1* |
| *4-Bromofluorobenzene (Surr)* | *83* | | *66 - 117* | | *02/15/13 16:05* | *1* |
| *Toluene-d8 (Surr)* | *88* | | *74 - 115* | | *02/15/13 16:05* | *1* |
| *Dibromofluoromethane (Surr)* | *86* | | *75 - 121* | | *02/15/13 16:05* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **1300** | | 2.5 | | ug/L | | | 02/19/13 12:05 | 5 |
| **Ethane** | **1.3** | | 0.50 | | ug/L | | | 02/14/13 18:55 | 1 |
| **Ethylene** | **0.50** | | 0.50 | | ug/L | | | 02/14/13 18:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *84* | | *40 - 122* | | *02/14/13 18:55* | *1* |
| *1,1,1-Trifluoroethane* | *88* | | *40 - 122* | | *02/19/13 12:05* | *5* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 0.10 | | mg/L | | | 02/11/13 19:20 | 1 |
| **Alkalinity** | **310** | | 5.0 | | mg/L | | | 02/15/13 22:00 | 1 |
| **Chloride** | **110** | | 5.0 | | mg/L | | | 02/20/13 12:56 | 5 |
| **Sulfate** | **19** | | 5.0 | | mg/L | | | 02/14/13 11:39 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:38 | 1 |
| **Total Organic Carbon** | **12** | | 1.0 | | mg/L | | | 02/15/13 12:14 | 1 |

UJ BNA 3/22

**Client Sample ID: PUMP RINSATE BLANK**
**Lab Sample ID: 240-20928-11**
**Date Collected: 02/07/13 11:25**
**Matrix: Water**
**Date Received: 02/11/13 08:30**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 16:27 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 16:27 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 16:27 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 16:27 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Dichlorodifluoromethane | ND | DLJ | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 16:27 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 16:27 | 1 |

DLJ BNQ 3/20/13 continuing cal.

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: PUMP RINSATE BLANK**
**Date Collected: 02/07/13 11:25**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-11**
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 63 - 129 | | 02/15/13 16:27 | 1 |
| 4-Bromofluorobenzene (Surr) | 78 | | 66 - 117 | | 02/15/13 16:27 | 1 |
| Toluene-d8 (Surr) | 88 | | 74 - 115 | | 02/15/13 16:27 | 1 |
| Dibromofluoromethane (Surr) | 87 | | 75 - 121 | | 02/15/13 16:27 | 1 |

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: OW-25**
**Date Collected: 02/07/13 14:50**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-12**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 16:49 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 16:49 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 16:49 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 16:49 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 16:49 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 16:49 | 1 |

DUJ BNQ 3/20/13 (continuing cal.

**Client Sample ID: OW-25**
**Date Collected: 02/07/13 14:50**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-12**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *63 - 129* | | *02/15/13 16:49* | *1* |
| *4-Bromofluorobenzene (Surr)* | *81* | | *66 - 117* | | *02/15/13 16:49* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *02/15/13 16:49* | *1* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 121* | | *02/15/13 16:49* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/14/13 19:07 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/14/13 19:07 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/14/13 19:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *91* | | *40 - 122* | | *02/14/13 19:07* | *1* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **3.9** | **H** | 0.10 | | mg/L | | | 02/11/13 18:15 | 1 |
| **Alkalinity** | **31** | | 5.0 | | mg/L | | | 02/15/13 22:05 | 1 |
| **Chloride** | **1.5** | | 1.0 | | mg/L | | | 02/20/13 12:48 | 1 |
| **Sulfate** | **10** | | 5.0 | | mg/L | | | 02/14/13 11:39 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/14/13 15:10 | 1 |
| **Total Organic Carbon** | **2.2** | | 1.0 | | mg/L | | | 02/15/13 12:24 | 1 |

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: OW-13R**
**Date Collected: 02/08/13 08:40**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-13**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 17:11 | 1 |
| **Benzene** | **5.4** | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 17:11 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 17:11 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 17:11 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| **cis-1,2-Dichloroethene** | **1.9** | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 17:11 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 17:11 | 1 |

DUT BNQ 3/20/13 continuing cal.

**Client Sample ID: OW-13R**
**Date Collected: 02/08/13 08:40**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-13**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *63 - 129* | | *02/15/13 17:11* | *1* |
| *4-Bromofluorobenzene (Surr)* | *78* | | *66 - 117* | | *02/15/13 17:11* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *02/15/13 17:11* | *1* |
| *Dibromofluoromethane (Surr)* | *86* | | *75 - 121* | | *02/15/13 17:11* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **190** | | 0.50 | | ug/L | | | 02/14/13 19:19 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/14/13 19:19 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/14/13 19:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *64* | | *40 - 122* | | *02/14/13 19:19* | *1* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **1.5** | H J BNJ 3/22 | 0.10 | | mg/L | | | 02/11/13 19:04 | 1 |
| **Alkalinity** | **290** | | 5.0 | | mg/L | | | 02/19/13 17:05 | 1 |
| **Chloride** | **3.3** | | 1.0 | | mg/L | | | 02/20/13 12:48 | 1 |
| **Sulfate** | **28** | | 5.0 | | mg/L | | | 02/14/13 11:39 | 1 |
| **Sulfide** | **1.0** | J - Dup results | 1.0 | | mg/L | | | 02/14/13 15:16 | 1 |
| **Total Organic Carbon** | **3.7** | | 1.0 | | mg/L | | | 02/15/13 12:35 | 1 |

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: GW-DUP**
**Date Collected: 02/08/13 09:00**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-14**
**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 17:32 | 1 |
| **Benzene** | **5.0** | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 17:32 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 17:32 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 17:32 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Dichlorodifluoromethane | ND J5 | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| **cis-1,2-Dichloroethene** | **1.8** | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 17:32 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 17:32 | 1 |

BNQ 3/20/13 continuing cal.

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: GW-DUP**
**Date Collected: 02/08/13 09:00**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-14**
**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *63 - 129* | | *02/15/13 17:32* | *1* |
| *4-Bromofluorobenzene (Surr)* | *79* | | *66 - 117* | | *02/15/13 17:32* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *74 - 115* | | *02/15/13 17:32* | *1* |
| *Dibromofluoromethane (Surr)* | *86* | | *75 - 121* | | *02/15/13 17:32* | *1* |

**Method: RSK-175 - Dissolved Gases (GC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Methane** | **210** | | 0.50 | | ug/L | | | 02/14/13 19:31 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/14/13 19:31 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/14/13 19:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *86* | | *40 - 122* | | *02/14/13 19:31* | *1* |

**General Chemistry**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **1.6** | H | 0.10 | | mg/L | | | 02/11/13 19:37 | 1 |
| **Alkalinity** | **280** | | 5.0 | | mg/L | | | 02/19/13 17:16 | 1 |
| **Chloride** | **3.4** | | 1.0 | | mg/L | | | 02/20/13 12:48 | 1 |
| **Sulfate** | **29** | | 5.0 | | mg/L | | | 02/14/13 11:49 | 1 |
| Sulfide | ND | | 1.0 | | mg/L | | | 02/14/13 15:22 | 1 |
| **Total Organic Carbon** | **3.3** | | 1.0 | | mg/L | | | 02/15/13 13:08 | 1 |

J BNQ 3/22

Dup result

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | 12DCE | BFB | TOL | DBFM |
| Lab Sample ID | Client Sample ID | (63-129) | (66-117) | (74-115) | (75-121) |
| 240-20928-1 | FIELD BLANK 3 | 83 | 80 | 82 | 93 |
| 240-20928-2 | OW-10R | 83 | 84 | 81 | 94 |
| 240-20928-3 | OW-22 | 84 | 84 | 81 | 88 |
| 240-20928-4 | OW-21 | 84 | 80 | 81 | 92 |
| 240-20928-5 | MW-4 | 90 | 82 | 83 | 91 |
| 240-20928-6 | TRIP BLANK 2 | 88 | 80 | 82 | 94 |
| 240-20928-7 | FIELD BLANK 2 | 83 | 85 | 84 | 89 |
| 240-20928-8 | OW-18 | 78 | 86 | 87 | 86 |
| 240-20928-9 | OW-24 | 81 | 77 | 87 | 86 |
| 240-20928-10 | OW-19 | 79 | 83 | 88 | 86 |
| 240-20928-11 | PUMP RINSATE BLANK | 81 | 78 | 88 | 87 |
| 240-20928-12 | OW-25 | 81 | 81 | 87 | 92 |
| 240-20928-13 | OW-13R | 79 | 78 | 87 | 86 |
| 240-20928-14 | GW-DUP | 78 | 79 | 89 | 86 |
| LCS 240-75367/5 | Lab Control Sample | 83 | 101 | 88 | 83 |
| LCS 240-75453/4 | Lab Control Sample | 81 | 98 | 95 | 86 |
| MB 240-75367/6 | Method Blank | 84 | 83 | 83 | 90 |
| MB 240-75453/5 | Method Blank | 79 | 83 | 87 | 83 |

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

## Method: RSK-175 - Dissolved Gases (GC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | Trifluoroetl |
| Lab Sample ID | Client Sample ID | (40-122) |
| 240-20928-2 | OW-10R | 97 |
| 240-20928-2 | OW-10R | 100 |
| 240-20928-2 MS | OW-10R | 99 |
| 240-20928-2 MSD | OW-10R | 99 |
| 240-20928-3 | OW-22 | 88 |
| 240-20928-3 | OW-22 | 98 |
| 240-20928-4 | OW-21 | 95 |
| 240-20928-5 | MW-4 | 98 |
| 240-20928-8 | OW-18 | 65 |
| 240-20928-8 | OW-18 | 88 |
| 240-20928-8 | OW-18 | 95 |
| 240-20928-9 | OW-24 | 95 |
| 240-20928-10 | OW-19 | 84 |
| 240-20928-10 | OW-19 | 88 |
| 240-20928-12 | OW-25 | 91 |
| 240-20928-13 | OW-13R | 64 |
| 240-20928-14 | GW-DUP | 86 |
| LCS 240-75041/4 | Lab Control Sample | 110 |

## Method: RSK-175 - Dissolved Gases (GC) (Continued)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| Lab Sample ID | Client Sample ID | Trifluoroeth (40-122) |
| LCS 240-75339/4 | Lab Control Sample | 115 |
| LCS 240-75339/5 | Lab Control Sample | 97 |
| LCS 240-75339/6 | Lab Control Sample | 111 |
| LCS 240-75339/7 | Lab Control Sample | 108 |
| LCS 240-75709/5 | Lab Control Sample | 112 |
| MB 240-75041/3 | Method Blank | 113 |
| MB 240-75339/3 | Method Blank | 116 |
| MB 240-75709/4 | Method Blank | 114 |

**Surrogate Legend**

1,1,1-Trifluoroethane = 1,1,1-Trifluoroethane

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 240-75367/6**
**Matrix: Water**
**Analysis Batch: 75367**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/14/13 16:22 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/14/13 16:22 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/14/13 16:22 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/14/13 16:22 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/14/13 16:22 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/14/13 16:22 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-75367/6**
**Matrix: Water**
**Analysis Batch: 75367**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 63 - 129 | | 02/14/13 16:22 | 1 |
| 4-Bromofluorobenzene (Surr) | 83 | | 66 - 117 | | 02/14/13 16:22 | 1 |
| Toluene-d8 (Surr) | 83 | | 74 - 115 | | 02/14/13 16:22 | 1 |
| Dibromofluoromethane (Surr) | 90 | | 75 - 121 | | 02/14/13 16:22 | 1 |

**Lab Sample ID: LCS 240-75367/5**
**Matrix: Water**
**Analysis Batch: 75367**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 20.0 | 19.1 | | ug/L | | 95 | 43 - 136 |
| Benzene | 10.0 | 10.4 | | ug/L | | 104 | 83 - 112 |
| Dichlorobromomethane | 10.0 | 10.2 | | ug/L | | 102 | 72 - 121 |
| Bromoform | 10.0 | 8.98 | | ug/L | | 90 | 40 - 131 |
| Bromomethane | 10.0 | 9.43 | | ug/L | | 94 | 11 - 185 |
| 2-Butanone (MEK) | 20.0 | 18.5 | | ug/L | | 92 | 60 - 126 |
| Carbon disulfide | 10.0 | 10.1 | | ug/L | | 101 | 62 - 142 |
| Carbon tetrachloride | 10.0 | 10.2 | | ug/L | | 102 | 66 - 128 |
| Chlorobenzene | 10.0 | 9.86 | | ug/L | | 99 | 85 - 110 |
| Chloroethane | 10.0 | 9.83 | | ug/L | | 98 | 25 - 153 |
| Chloroform | 10.0 | 9.77 | | ug/L | | 98 | 79 - 117 |
| Chloromethane | 10.0 | 10.4 | | ug/L | | 104 | 44 - 126 |
| 1,1-Dichloroethane | 10.0 | 10.1 | | ug/L | | 101 | 82 - 115 |
| 1,2-Dichloroethane | 10.0 | 9.97 | | ug/L | | 100 | 71 - 127 |
| 1,1-Dichloroethene | 10.0 | 10.6 | | ug/L | | 106 | 78 - 131 |
| 1,2-Dichloropropane | 10.0 | 10.5 | | ug/L | | 105 | 81 - 115 |
| cis-1,3-Dichloropropene | 10.0 | 9.55 | | ug/L | | 95 | 61 - 115 |
| trans-1,3-Dichloropropene | 10.0 | 9.52 | | ug/L | | 95 | 58 - 117 |
| Ethylbenzene | 10.0 | 10.3 | | ug/L | | 103 | 83 - 112 |
| 2-Hexanone | 20.0 | 18.1 | | ug/L | | 90 | 55 - 133 |
| Methylene Chloride | 10.0 | 9.59 | | ug/L | | 96 | 66 - 131 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 19.7 | | ug/L | | 98 | 63 - 128 |
| Styrene | 10.0 | 9.75 | | ug/L | | 97 | 79 - 114 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.53 | | ug/L | | 95 | 68 - 118 |
| Tetrachloroethene | 10.0 | 9.65 | | ug/L | | 97 | 79 - 114 |
| Toluene | 10.0 | 10.0 | | ug/L | | 100 | 84 - 111 |
| Trichloroethene | 10.0 | 10.3 | | ug/L | | 103 | 76 - 117 |
| Vinyl chloride | 10.0 | 10.5 | | ug/L | | 105 | 53 - 127 |
| Xylenes, Total | 30.0 | 31.3 | | ug/L | | 104 | 83 - 112 |
| 1,1,1-Trichloroethane | 10.0 | 9.71 | | ug/L | | 97 | 74 - 118 |
| 1,1,2-Trichloroethane | 10.0 | 9.88 | | ug/L | | 99 | 80 - 112 |
| Cyclohexane | 10.0 | 10.1 | | ug/L | | 101 | 54 - 121 |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 9.95 | | ug/L | | 99 | 42 - 136 |
| Ethylene Dibromide | 10.0 | 9.79 | | ug/L | | 98 | 79 - 113 |
| Dichlorodifluoromethane | 10.0 | 9.54 | | ug/L | | 95 | 19 - 129 |
| cis-1,2-Dichloroethene | 10.0 | 9.95 | | ug/L | | 99 | 80 - 113 |
| trans-1,2-Dichloroethene | 10.0 | 10.1 | | ug/L | | 101 | 83 - 117 |
| Isopropylbenzene | 10.0 | 10.7 | | ug/L | | 107 | 75 - 114 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-75367/5**
**Matrix: Water**
**Analysis Batch: 75367**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methyl acetate | 10.0 | ND | | ug/L | | 93 | 58 - 131 |
| Methyl tert-butyl ether | 10.0 | 9.31 | | ug/L | | 93 | 52 - 144 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 11.4 | | ug/L | | 114 | 74 - 151 |
| 1,2,4-Trichlorobenzene | 10.0 | 8.88 | | ug/L | | 89 | 48 - 135 |
| 1,2-Dichlorobenzene | 10.0 | 10.3 | | ug/L | | 103 | 81 - 110 |
| 1,3-Dichlorobenzene | 10.0 | 10.1 | | ug/L | | 101 | 80 - 110 |
| 1,4-Dichlorobenzene | 10.0 | 9.59 | | ug/L | | 96 | 82 - 110 |
| Trichlorofluoromethane | 10.0 | 10.2 | | ug/L | | 102 | 49 - 157 |
| Chlorodibromomethane | 10.0 | 9.78 | | ug/L | | 98 | 64 - 119 |
| Methylcyclohexane | 10.0 | 10.3 | | ug/L | | 103 | 56 - 127 |
| m-Xylene & p-Xylene | 20.0 | 20.9 | | ug/L | | 104 | 83 - 113 |
| o-Xylene | 10.0 | 10.4 | | ug/L | | 104 | 83 - 113 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *83* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *88* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 121* |

**Lab Sample ID: MB 240-75453/5**
**Matrix: Water**
**Analysis Batch: 75453**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | | ug/L | | | 02/15/13 11:18 | 1 |
| Benzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Dichlorobromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Bromoform | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Bromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 2-Butanone (MEK) | ND | | 10 | | ug/L | | | 02/15/13 11:18 | 1 |
| Carbon disulfide | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Carbon tetrachloride | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Chlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Chloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Chloroform | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Chloromethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Ethylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 2-Hexanone | ND | | 10 | | ug/L | | | 02/15/13 11:18 | 1 |
| Methylene Chloride | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | | ug/L | | | 02/15/13 11:18 | 1 |
| Styrene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-75453/5**
**Matrix: Water**
**Analysis Batch: 75453**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Tetrachloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Toluene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Trichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Vinyl chloride | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Xylenes, Total | ND | | 2.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Cyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Ethylene Dibromide | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Isopropylbenzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Methyl acetate | ND | | 10 | | ug/L | | | 02/15/13 11:18 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Chlorodibromomethane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |
| Methylcyclohexane | ND | | 1.0 | | ug/L | | | 02/15/13 11:18 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *63 - 129* | | *02/15/13 11:18* | *1* |
| *4-Bromofluorobenzene (Surr)* | *83* | | *66 - 117* | | *02/15/13 11:18* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *74 - 115* | | *02/15/13 11:18* | *1* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 121* | | *02/15/13 11:18* | *1* |

**Lab Sample ID: LCS 240-75453/4**
**Matrix: Water**
**Analysis Batch: 75453**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 20.0 | 15.8 | | ug/L | | 79 | 43 - 136 |
| Benzene | 10.0 | 9.81 | | ug/L | | 98 | 83 - 112 |
| Dichlorobromomethane | 10.0 | 9.46 | | ug/L | | 95 | 72 - 121 |
| Bromoform | 10.0 | 9.27 | | ug/L | | 93 | 40 - 131 |
| Bromomethane | 10.0 | 7.96 | | ug/L | | 80 | 11 - 185 |
| 2-Butanone (MEK) | 20.0 | 16.4 | | ug/L | | 82 | 60 - 126 |
| Carbon disulfide | 10.0 | 9.30 | | ug/L | | 93 | 62 - 142 |
| Carbon tetrachloride | 10.0 | 9.61 | | ug/L | | 96 | 66 - 128 |
| Chlorobenzene | 10.0 | 10.3 | | ug/L | | 103 | 85 - 110 |
| Chloroethane | 10.0 | 8.73 | | ug/L | | 87 | 25 - 153 |
| Chloroform | 10.0 | 9.57 | | ug/L | | 96 | 79 - 117 |

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-75453/4**
**Matrix: Water**
**Analysis Batch: 75453**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Chloromethane | 10.0 | 9.07 | | ug/L | | 91 | 44 - 126 |
| 1,1-Dichloroethane | 10.0 | 9.63 | | ug/L | | 96 | 82 - 115 |
| 1,2-Dichloroethane | 10.0 | 9.31 | | ug/L | | 93 | 71 - 127 |
| 1,1-Dichloroethene | 10.0 | 9.14 | | ug/L | | 91 | 78 - 131 |
| 1,2-Dichloropropane | 10.0 | 9.67 | | ug/L | | 97 | 81 - 115 |
| cis-1,3-Dichloropropene | 10.0 | 8.78 | | ug/L | | 88 | 61 - 115 |
| trans-1,3-Dichloropropene | 10.0 | 9.54 | | ug/L | | 95 | 58 - 117 |
| Ethylbenzene | 10.0 | 10.5 | | ug/L | | 105 | 83 - 112 |
| 2-Hexanone | 20.0 | 19.3 | | ug/L | | 96 | 55 - 133 |
| Methylene Chloride | 10.0 | 9.09 | | ug/L | | 91 | 66 - 131 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 17.9 | | ug/L | | 90 | 63 - 128 |
| Styrene | 10.0 | 10.0 | | ug/L | | 100 | 79 - 114 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.87 | | ug/L | | 99 | 68 - 118 |
| Tetrachloroethene | 10.0 | 9.98 | | ug/L | | 100 | 79 - 114 |
| Toluene | 10.0 | 10.5 | | ug/L | | 105 | 84 - 111 |
| Trichloroethene | 10.0 | 9.65 | | ug/L | | 96 | 76 - 117 |
| Vinyl chloride | 10.0 | 9.40 | | ug/L | | 94 | 53 - 127 |
| Xylenes, Total | 30.0 | 32.2 | | ug/L | | 107 | 83 - 112 |
| 1,1,1-Trichloroethane | 10.0 | 9.36 | | ug/L | | 94 | 74 - 118 |
| 1,1,2-Trichloroethane | 10.0 | 10.5 | | ug/L | | 105 | 80 - 112 |
| Cyclohexane | 10.0 | 9.57 | | ug/L | | 96 | 54 - 121 |
| 1,2-Dibromo-3-Chloropropane | 10.0 | 8.87 | | ug/L | | 89 | 42 - 136 |
| Ethylene Dibromide | 10.0 | 9.93 | | ug/L | | 99 | 79 - 113 |
| Dichlorodifluoromethane | 10.0 | 8.42 | | ug/L | | 84 | 19 - 129 |
| cis-1,2-Dichloroethene | 10.0 | 9.85 | | ug/L | | 98 | 80 - 113 |
| trans-1,2-Dichloroethene | 10.0 | 9.94 | | ug/L | | 99 | 83 - 117 |
| Isopropylbenzene | 10.0 | 10.8 | | ug/L | | 108 | 75 - 114 |
| Methyl acetate | 10.0 | ND | | ug/L | | 80 | 58 - 131 |
| Methyl tert-butyl ether | 10.0 | 8.67 | | ug/L | | 87 | 52 - 144 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0 | 10.4 | | ug/L | | 104 | 74 - 151 |
| 1,2,4-Trichlorobenzene | 10.0 | 8.04 | | ug/L | | 80 | 48 - 135 |
| 1,2-Dichlorobenzene | 10.0 | 10.5 | | ug/L | | 105 | 81 - 110 |
| 1,3-Dichlorobenzene | 10.0 | 10.3 | | ug/L | | 103 | 80 - 110 |
| 1,4-Dichlorobenzene | 10.0 | 10.1 | | ug/L | | 101 | 82 - 110 |
| Trichlorofluoromethane | 10.0 | 9.53 | | ug/L | | 95 | 49 - 157 |
| Chlorodibromomethane | 10.0 | 10.2 | | ug/L | | 102 | 64 - 119 |
| Methylcyclohexane | 10.0 | 9.60 | | ug/L | | 96 | 56 - 127 |
| m-Xylene & p-Xylene | 20.0 | 21.4 | | ug/L | | 107 | 83 - 113 |
| o-Xylene | 10.0 | 10.8 | | ug/L | | 108 | 83 - 113 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *63 - 129* |
| *4-Bromofluorobenzene (Surr)* | *98* | | *66 - 117* |
| *Toluene-d8 (Surr)* | *95* | | *74 - 115* |
| *Dibromofluoromethane (Surr)* | *86* | | *75 - 121* |

## Method: RSK-175 - Dissolved Gases (GC)

**Lab Sample ID: MB 240-75041/3**
**Matrix: Water**
**Analysis Batch: 75041**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/12/13 14:11 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/12/13 14:11 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/12/13 14:11 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *113* | | *40 - 122* | | *02/12/13 14:11* | *1* |

**Lab Sample ID: LCS 240-75041/4**
**Matrix: Water**
**Analysis Batch: 75041**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methane | 116 | 108 | | ug/L | | 93 | 79 - 113 |
| Ethane | 218 | 220 | | ug/L | | 101 | 77 - 127 |
| Ethylene | 203 | 209 | | ug/L | | 103 | 64 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *110* | | *40 - 122* |

**Lab Sample ID: MB 240-75339/3**
**Matrix: Water**
**Analysis Batch: 75339**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/14/13 16:04 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/14/13 16:04 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/14/13 16:04 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *116* | | *40 - 122* | | *02/14/13 16:04* | *1* |

**Lab Sample ID: LCS 240-75339/4**
**Matrix: Water**
**Analysis Batch: 75339**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methane | 116 | 109 | | ug/L | | 94 | 79 - 113 |
| Ethane | 218 | 223 | | ug/L | | 103 | 77 - 127 |
| Ethylene | 203 | 215 | | ug/L | | 106 | 64 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *115* | | *40 - 122* |

## Method: RSK-175 - Dissolved Gases (GC) (Continued)

**Lab Sample ID: LCS 240-75339/5**
**Matrix: Water**
**Analysis Batch: 75339**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methane | 116 | 94.7 | | ug/L | | 82 | 79 - 113 |
| Ethane | 218 | 193 | | ug/L | | 89 | 77 - 127 |
| Ethylene | 203 | 185 | | ug/L | | 91 | 64 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *97* | | *40 - 122* |

**Lab Sample ID: LCS 240-75339/6**
**Matrix: Water**
**Analysis Batch: 75339**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methane | 116 | 108 | | ug/L | | 94 | 79 - 113 |
| Ethane | 218 | 221 | | ug/L | | 101 | 77 - 127 |
| Ethylene | 203 | 210 | | ug/L | | 103 | 64 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *111* | | *40 - 122* |

**Lab Sample ID: LCS 240-75339/7**
**Matrix: Water**
**Analysis Batch: 75339**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methane | 116 | 107 | | ug/L | | 92 | 79 - 113 |
| Ethane | 218 | 217 | | ug/L | | 100 | 77 - 127 |
| Ethylene | 203 | 205 | | ug/L | | 101 | 64 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *108* | | *40 - 122* |

**Lab Sample ID: 240-20928-2 MS**
**Matrix: Water**
**Analysis Batch: 75339**

**Client Sample ID: OW-10R**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Methane | 2700 | | 579 | 3210 | 4 | ug/L | | 96 | 13 - 173 |
| Ethane | ND | | 1090 | 1040 | | ug/L | | 95 | 59 - 133 |
| Ethylene | ND | | 1020 | 953 | | ug/L | | 94 | 51 - 129 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *99* | | *40 - 122* |

## Method: RSK-175 - Dissolved Gases (GC) (Continued)

**Lab Sample ID: 240-20928-2 MSD**
**Matrix: Water**
**Analysis Batch: 75339**

**Client Sample ID: OW-10R**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Methane | 2700 | | 579 | 3240 | 4 | ug/L | | 100 | 13 - 173 | 1 | 42 |
| Ethane | ND | | 1090 | 1060 | | ug/L | | 97 | 59 - 133 | 2 | 34 |
| Ethylene | ND | | 1020 | 972 | | ug/L | | 96 | 51 - 129 | 2 | 34 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *99* | | *40 - 122* |

**Lab Sample ID: MB 240-75709/4**
**Matrix: Water**
**Analysis Batch: 75709**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Methane | ND | | 0.50 | | ug/L | | | 02/19/13 11:40 | 1 |
| Ethane | ND | | 0.50 | | ug/L | | | 02/19/13 11:40 | 1 |
| Ethylene | ND | | 0.50 | | ug/L | | | 02/19/13 11:40 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,1,1-Trifluoroethane* | *114* | | *40 - 122* | | *02/19/13 11:40* | *1* |

**Lab Sample ID: LCS 240-75709/5**
**Matrix: Water**
**Analysis Batch: 75709**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methane | 116 | 112 | | ug/L | | 97 | 79 - 113 |
| Ethane | 218 | 233 | | ug/L | | 107 | 77 - 127 |
| Ethylene | 203 | 222 | | ug/L | | 109 | 64 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,1,1-Trifluoroethane* | *112* | | *40 - 122* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 240-74940/4**
**Matrix: Water**
**Analysis Batch: 74940**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | | 0.10 | | mg/L | | | 02/11/13 15:47 | 1 |

**Lab Sample ID: LCS 240-74940/5**
**Matrix: Water**
**Analysis Batch: 74940**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Nitrate as N | 2.50 | 2.71 | | mg/L | | 108 | 90 - 110 |

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 240-20928-2 MS**
**Matrix: Water**
**Analysis Batch: 74940**

**Client Sample ID: OW-10R**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 2.50 | 3.06 | F | mg/L | | 122 | 80 - 120 |

**Lab Sample ID: 240-20928-8 MS**
**Matrix: Water**
**Analysis Batch: 74940**

**Client Sample ID: OW-18**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | ND | H | 2.50 | 3.17 | F | mg/L | | 125 | 80 - 120 |

## Method: 310.1 - Alkalinity

**Lab Sample ID: MB 240-75599/34**
**Matrix: Water**
**Analysis Batch: 75599**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | ND | | 5.0 | | mg/L | | | 02/15/13 18:31 | 1 |

**Lab Sample ID: LCS 240-75599/33**
**Matrix: Water**
**Analysis Batch: 75599**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Alkalinity | 39.8 | 40.7 | | mg/L | | 102 | 90 - 127 |

**Lab Sample ID: 240-20928-12 DU**
**Matrix: Water**
**Analysis Batch: 75599**

**Client Sample ID: OW-25**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Alkalinity | 31 | | 30.5 | | mg/L | | 3 | 20 |

**Lab Sample ID: MB 240-75989/17**
**Matrix: Water**
**Analysis Batch: 75989**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | ND | | 5.0 | | mg/L | | | 02/19/13 15:36 | 1 |

**Lab Sample ID: LCS 240-75989/16**
**Matrix: Water**
**Analysis Batch: 75989**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Alkalinity | 39.8 | 41.2 | | mg/L | | 103 | 90 - 127 |

## Method: 325.2 - Chloride

**Lab Sample ID: MB 240-75974/5**
**Matrix: Water**
**Analysis Batch: 75974**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 1.0 | | mg/L | | | 02/20/13 08:24 | 1 |

## Method: 375.4 - Sulfate

**Lab Sample ID: MB 240-75355/21**
**Matrix: Water**
**Analysis Batch: 75355**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | ND | | 5.0 | | mg/L | | | 02/14/13 10:19 | 1 |

**Lab Sample ID: LCS 240-75355/31**
**Matrix: Water**
**Analysis Batch: 75355**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Sulfate | 91.1 | 95.7 | | mg/L | | 105 | 80 - 112 |

## Method: 376.1 - Sulfide

**Lab Sample ID: MB 240-75235/1**
**Matrix: Water**
**Analysis Batch: 75235**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfide | ND | | 1.0 | | mg/L | | | 02/13/13 15:00 | 1 |

**Lab Sample ID: LCS 240-75235/2**
**Matrix: Water**
**Analysis Batch: 75235**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Sulfide | 16.7 | 16.7 | | mg/L | | 100 | 79 - 110 |

**Lab Sample ID: MB 240-75383/1**
**Matrix: Water**
**Analysis Batch: 75383**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfide | ND | | 1.0 | | mg/L | | | 02/14/13 14:58 | 1 |

**Lab Sample ID: LCS 240-75383/2**
**Matrix: Water**
**Analysis Batch: 75383**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Sulfide | 17.1 | 17.0 | | mg/L | | 100 | 79 - 110 |

## Method: 415.1 - TOC

**Lab Sample ID: MB 240-75518/3**
**Matrix: Water**
**Analysis Batch: 75518**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | 1.0 | | mg/L | | | 02/15/13 08:47 | 1 |

**Lab Sample ID: LCS 240-75518/4**
**Matrix: Water**
**Analysis Batch: 75518**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 48.1 | 48.1 | | mg/L | | 100 | 88 - 115 |

## GC/MS VOA

### Analysis Batch: 75367

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-1 | FIELD BLANK 3 | Total/NA | Water | 8260B | |
| 240-20928-2 | OW-10R | Total/NA | Water | 8260B | |
| 240-20928-3 | OW-22 | Total/NA | Water | 8260B | |
| 240-20928-4 | OW-21 | Total/NA | Water | 8260B | |
| 240-20928-5 | MW-4 | Total/NA | Water | 8260B | |
| 240-20928-6 | TRIP BLANK 2 | Total/NA | Water | 8260B | |
| 240-20928-7 | FIELD BLANK 2 | Total/NA | Water | 8260B | |
| LCS 240-75367/5 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 240-75367/6 | Method Blank | Total/NA | Water | 8260B | |

### Analysis Batch: 75453

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-8 | OW-18 | Total/NA | Water | 8260B | |
| 240-20928-9 | OW-24 | Total/NA | Water | 8260B | |
| 240-20928-10 | OW-19 | Total/NA | Water | 8260B | |
| 240-20928-11 | PUMP RINSATE BLANK | Total/NA | Water | 8260B | |
| 240-20928-12 | OW-25 | Total/NA | Water | 8260B | |
| 240-20928-13 | OW-13R | Total/NA | Water | 8260B | |
| 240-20928-14 | GW-DUP | Total/NA | Water | 8260B | |
| LCS 240-75453/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 240-75453/5 | Method Blank | Total/NA | Water | 8260B | |

## GC VOA

### Analysis Batch: 75041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | RSK-175 | |
| 240-20928-3 | OW-22 | Total/NA | Water | RSK-175 | |
| 240-20928-4 | OW-21 | Total/NA | Water | RSK-175 | |
| 240-20928-5 | MW-4 | Total/NA | Water | RSK-175 | |
| 240-20928-8 | OW-18 | Total/NA | Water | RSK-175 | |
| 240-20928-9 | OW-24 | Total/NA | Water | RSK-175 | |
| LCS 240-75041/4 | Lab Control Sample | Total/NA | Water | RSK-175 | |
| MB 240-75041/3 | Method Blank | Total/NA | Water | RSK-175 | |

### Analysis Batch: 75339

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | RSK-175 | |
| 240-20928-2 MS | OW-10R | Total/NA | Water | RSK-175 | |
| 240-20928-2 MSD | OW-10R | Total/NA | Water | RSK-175 | |
| 240-20928-3 | OW-22 | Total/NA | Water | RSK-175 | |
| 240-20928-8 | OW-18 | Total/NA | Water | RSK-175 | |
| 240-20928-8 | OW-18 | Total/NA | Water | RSK-175 | |
| 240-20928-10 | OW-19 | Total/NA | Water | RSK-175 | |
| 240-20928-12 | OW-25 | Total/NA | Water | RSK-175 | |
| 240-20928-13 | OW-13R | Total/NA | Water | RSK-175 | |
| 240-20928-14 | GW-DUP | Total/NA | Water | RSK-175 | |
| LCS 240-75339/4 | Lab Control Sample | Total/NA | Water | RSK-175 | |
| LCS 240-75339/5 | Lab Control Sample | Total/NA | Water | RSK-175 | |
| LCS 240-75339/6 | Lab Control Sample | Total/NA | Water | RSK-175 | |

## GC VOA (Continued)

### Analysis Batch: 75339 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 240-75339/7 | Lab Control Sample | Total/NA | Water | RSK-175 | |
| MB 240-75339/3 | Method Blank | Total/NA | Water | RSK-175 | |

### Analysis Batch: 75709

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-10 | OW-19 | Total/NA | Water | RSK-175 | |
| LCS 240-75709/5 | Lab Control Sample | Total/NA | Water | RSK-175 | |
| MB 240-75709/4 | Method Blank | Total/NA | Water | RSK-175 | |

## General Chemistry

### Analysis Batch: 74940

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | 300.0 | |
| 240-20928-2 MS | OW-10R | Total/NA | Water | 300.0 | |
| 240-20928-3 | OW-22 | Total/NA | Water | 300.0 | |
| 240-20928-4 | OW-21 | Total/NA | Water | 300.0 | |
| 240-20928-5 | MW-4 | Total/NA | Water | 300.0 | |
| 240-20928-8 | OW-18 | Total/NA | Water | 300.0 | |
| 240-20928-8 MS | OW-18 | Total/NA | Water | 300.0 | |
| 240-20928-9 | OW-24 | Total/NA | Water | 300.0 | |
| 240-20928-10 | OW-19 | Total/NA | Water | 300.0 | |
| 240-20928-12 | OW-25 | Total/NA | Water | 300.0 | |
| 240-20928-13 | OW-13R | Total/NA | Water | 300.0 | |
| 240-20928-14 | GW-DUP | Total/NA | Water | 300.0 | |
| LCS 240-74940/5 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 240-74940/4 | Method Blank | Total/NA | Water | 300.0 | |

### Analysis Batch: 75235

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | 376.1 | |
| 240-20928-3 | OW-22 | Total/NA | Water | 376.1 | |
| 240-20928-4 | OW-21 | Total/NA | Water | 376.1 | |
| 240-20928-5 | MW-4 | Total/NA | Water | 376.1 | |
| 240-20928-8 | OW-18 | Total/NA | Water | 376.1 | |
| 240-20928-9 | OW-24 | Total/NA | Water | 376.1 | |
| 240-20928-10 | OW-19 | Total/NA | Water | 376.1 | |
| LCS 240-75235/2 | Lab Control Sample | Total/NA | Water | 376.1 | |
| MB 240-75235/1 | Method Blank | Total/NA | Water | 376.1 | |

### Analysis Batch: 75355

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | 375.4 | |
| 240-20928-3 | OW-22 | Total/NA | Water | 375.4 | |
| 240-20928-4 | OW-21 | Total/NA | Water | 375.4 | |
| 240-20928-5 | MW-4 | Total/NA | Water | 375.4 | |
| 240-20928-8 | OW-18 | Total/NA | Water | 375.4 | |
| 240-20928-9 | OW-24 | Total/NA | Water | 375.4 | |
| 240-20928-10 | OW-19 | Total/NA | Water | 375.4 | |
| 240-20928-12 | OW-25 | Total/NA | Water | 375.4 | |

## General Chemistry (Continued)

### Analysis Batch: 75355 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-13 | OW-13R | Total/NA | Water | 375.4 | |
| 240-20928-14 | GW-DUP | Total/NA | Water | 375.4 | |
| LCS 240-75355/31 | Lab Control Sample | Total/NA | Water | 375.4 | |
| MB 240-75355/21 | Method Blank | Total/NA | Water | 375.4 | |

### Analysis Batch: 75383

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-12 | OW-25 | Total/NA | Water | 376.1 | |
| 240-20928-13 | OW-13R | Total/NA | Water | 376.1 | |
| 240-20928-14 | GW-DUP | Total/NA | Water | 376.1 | |
| LCS 240-75383/2 | Lab Control Sample | Total/NA | Water | 376.1 | |
| MB 240-75383/1 | Method Blank | Total/NA | Water | 376.1 | |

### Analysis Batch: 75518

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | 415.1 | |
| 240-20928-3 | OW-22 | Total/NA | Water | 415.1 | |
| 240-20928-4 | OW-21 | Total/NA | Water | 415.1 | |
| 240-20928-5 | MW-4 | Total/NA | Water | 415.1 | |
| 240-20928-8 | OW-18 | Total/NA | Water | 415.1 | |
| 240-20928-9 | OW-24 | Total/NA | Water | 415.1 | |
| 240-20928-10 | OW-19 | Total/NA | Water | 415.1 | |
| 240-20928-12 | OW-25 | Total/NA | Water | 415.1 | |
| 240-20928-13 | OW-13R | Total/NA | Water | 415.1 | |
| 240-20928-14 | GW-DUP | Total/NA | Water | 415.1 | |
| LCS 240-75518/4 | Lab Control Sample | Total/NA | Water | 415.1 | |
| MB 240-75518/3 | Method Blank | Total/NA | Water | 415.1 | |

### Analysis Batch: 75599

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | 310.1 | |
| 240-20928-3 | OW-22 | Total/NA | Water | 310.1 | |
| 240-20928-8 | OW-18 | Total/NA | Water | 310.1 | |
| 240-20928-9 | OW-24 | Total/NA | Water | 310.1 | |
| 240-20928-10 | OW-19 | Total/NA | Water | 310.1 | |
| 240-20928-12 | OW-25 | Total/NA | Water | 310.1 | |
| 240-20928-12 DU | OW-25 | Total/NA | Water | 310.1 | |
| LCS 240-75599/33 | Lab Control Sample | Total/NA | Water | 310.1 | |
| MB 240-75599/34 | Method Blank | Total/NA | Water | 310.1 | |

### Analysis Batch: 75974

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-2 | OW-10R | Total/NA | Water | 325.2 | |
| 240-20928-3 | OW-22 | Total/NA | Water | 325.2 | |
| 240-20928-4 | OW-21 | Total/NA | Water | 325.2 | |
| 240-20928-5 | MW-4 | Total/NA | Water | 325.2 | |
| 240-20928-8 | OW-18 | Total/NA | Water | 325.2 | |
| 240-20928-9 | OW-24 | Total/NA | Water | 325.2 | |
| 240-20928-10 | OW-19 | Total/NA | Water | 325.2 | |
| 240-20928-12 | OW-25 | Total/NA | Water | 325.2 | |
| 240-20928-13 | OW-13R | Total/NA | Water | 325.2 | |

## General Chemistry (Continued)

### Analysis Batch: 75974 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-14 | GW-DUP | Total/NA | Water | 325.2 | |
| LCS 240-75974/8 | Lab Control Sample | Total/NA | Water | 325.2 | |
| MB 240-75974/5 | Method Blank | Total/NA | Water | 325.2 | |

### Analysis Batch: 75989

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-20928-4 | OW-21 | Total/NA | Water | 310.1 | |
| 240-20928-5 | MW-4 | Total/NA | Water | 310.1 | |
| 240-20928-13 | OW-13R | Total/NA | Water | 310.1 | |
| 240-20928-14 | GW-DUP | Total/NA | Water | 310.1 | |
| LCS 240-75989/16 | Lab Control Sample | Total/NA | Water | 310.1 | |
| MB 240-75989/17 | Method Blank | Total/NA | Water | 310.1 | |

## Client Sample ID: FIELD BLANK 3

**Lab Sample ID: 240-20928-1**

**Date Collected: 02/08/13 09:15**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75367 | 02/14/13 21:21 | RQ | TAL NC |

## Client Sample ID: OW-10R

**Lab Sample ID: 240-20928-2**

**Date Collected: 02/08/13 09:55**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75367 | 02/14/13 21:43 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 19:24 | RS | TAL NC |
| Total/NA | Analysis | RSK-175 | | 5 | 75339 | 02/14/13 17:41 | CJ | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 19:53 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75235 | 02/13/13 15:15 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 5 | 75355 | 02/14/13 12:18 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 11:08 | TH | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75599 | 02/15/13 21:17 | JB | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |

## Client Sample ID: OW-22

**Lab Sample ID: 240-20928-3**

**Date Collected: 02/08/13 10:55**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75367 | 02/14/13 22:04 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 19:36 | RS | TAL NC |
| Total/NA | Analysis | RSK-175 | | 5 | 75339 | 02/14/13 18:18 | CJ | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 17:42 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75235 | 02/13/13 15:19 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 10:15 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 11:19 | TH | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75599 | 02/15/13 21:29 | JB | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |

## Client Sample ID: OW-21

**Lab Sample ID: 240-20928-4**

**Date Collected: 02/08/13 12:35**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75367 | 02/14/13 22:25 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 19:49 | RS | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 16:53 | LG | TAL NC |

## Client Sample ID: OW-21

**Lab Sample ID: 240-20928-4**

**Date Collected: 02/08/13 12:35**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 376.1 | | 1 | 75235 | 02/13/13 15:22 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 5 | 75355 | 02/14/13 12:20 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 11:30 | TH | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75989 | 02/19/13 16:48 | JB | TAL NC |

## Client Sample ID: MW-4

**Lab Sample ID: 240-20928-5**

**Date Collected: 02/08/13 13:55**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75367 | 02/14/13 22:46 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 20:01 | RS | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 16:36 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75235 | 02/13/13 15:26 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 5 | 75355 | 02/14/13 10:43 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 11:41 | TH | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:46 | JK | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75989 | 02/19/13 16:55 | JB | TAL NC |

## Client Sample ID: TRIP BLANK 2

**Lab Sample ID: 240-20928-6**

**Date Collected: 02/07/13 08:00**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75367 | 02/14/13 23:08 | RQ | TAL NC |

## Client Sample ID: FIELD BLANK 2

**Lab Sample ID: 240-20928-7**

**Date Collected: 02/07/13 08:30**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75367 | 02/14/13 23:29 | RQ | TAL NC |

## Client Sample ID: OW-18

**Lab Sample ID: 240-20928-8**

**Date Collected: 02/07/13 08:55**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75453 | 02/15/13 15:22 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 20:13 | RS | TAL NC |

## Client Sample ID: OW-18

**Lab Sample ID: 240-20928-8**

**Date Collected: 02/07/13 08:55**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | RSK-175 | | 1 | 75339 | 02/14/13 18:30 | CJ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 5 | 75339 | 02/14/13 18:42 | CJ | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 17:09 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75235 | 02/13/13 15:30 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 10:19 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 11:52 | TH | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75599 | 02/15/13 21:42 | JB | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:48 | JK | TAL NC |

## Client Sample ID: OW-24

**Lab Sample ID: 240-20928-9**

**Date Collected: 02/07/13 10:45**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75453 | 02/15/13 15:44 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75041 | 02/12/13 20:25 | RS | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 17:58 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75235 | 02/13/13 15:34 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 11:38 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 12:03 | TH | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75599 | 02/15/13 21:49 | JB | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:48 | JK | TAL NC |

## Client Sample ID: OW-19

**Lab Sample ID: 240-20928-10**

**Date Collected: 02/07/13 12:40**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75453 | 02/15/13 16:05 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75339 | 02/14/13 18:55 | CJ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 5 | 75709 | 02/19/13 12:05 | CJ | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 19:20 | LG | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75235 | 02/13/13 15:38 | JB | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 11:39 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 12:14 | TH | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75599 | 02/15/13 22:00 | JB | TAL NC |
| Total/NA | Analysis | 325.2 | | 5 | 75974 | 02/20/13 12:56 | JK | TAL NC |

## Client Sample ID: PUMP RINSATE BLANK

**Lab Sample ID: 240-20928-11**

**Date Collected: 02/07/13 11:25**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75453 | 02/15/13 16:27 | RQ | TAL NC |

## Client Sample ID: OW-25

**Lab Sample ID: 240-20928-12**

**Date Collected: 02/07/13 14:50**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75453 | 02/15/13 16:49 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75339 | 02/14/13 19:07 | CJ | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 18:15 | LG | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 11:39 | JB | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75383 | 02/14/13 15:10 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 12:24 | TH | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75599 | 02/15/13 22:05 | JB | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:48 | JK | TAL NC |

## Client Sample ID: OW-13R

**Lab Sample ID: 240-20928-13**

**Date Collected: 02/08/13 08:40**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75453 | 02/15/13 17:11 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75339 | 02/14/13 19:19 | CJ | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 19:04 | LG | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 11:39 | JB | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75383 | 02/14/13 15:16 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 12:35 | TH | TAL NC |
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:48 | JK | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75989 | 02/19/13 17:05 | JB | TAL NC |

## Client Sample ID: GW-DUP

**Lab Sample ID: 240-20928-14**

**Date Collected: 02/08/13 09:00**

**Matrix: Water**

**Date Received: 02/11/13 08:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 75453 | 02/15/13 17:32 | RQ | TAL NC |
| Total/NA | Analysis | RSK-175 | | 1 | 75339 | 02/14/13 19:31 | CJ | TAL NC |
| Total/NA | Analysis | 300.0 | | 1 | 74940 | 02/11/13 19:37 | LG | TAL NC |
| Total/NA | Analysis | 375.4 | | 1 | 75355 | 02/14/13 11:49 | JB | TAL NC |
| Total/NA | Analysis | 376.1 | | 1 | 75383 | 02/14/13 15:22 | JB | TAL NC |
| Total/NA | Analysis | 415.1 | | 1 | 75518 | 02/15/13 13:08 | TH | TAL NC |

# Lab Chronicle

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

**Client Sample ID: GW-DUP**
**Date Collected: 02/08/13 09:00**
**Date Received: 02/11/13 08:30**

**Lab Sample ID: 240-20928-14**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 325.2 | | 1 | 75974 | 02/20/13 12:48 | JK | TAL NC |
| Total/NA | Analysis | 310.1 | | 1 | 75989 | 02/19/13 17:16 | JB | TAL NC |

**Laboratory References:**

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Certification Summary

Client: Monroeville, PA
Project/Site: C & D GW Sampling

TestAmerica Job ID: 240-20928-1

## Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|---|---|---|---|---|
| California | NELAP | 9 | 01144CA | 06-30-13 |
| Connecticut | State Program | 1 | PH-0590 | 12-31-13 |
| Florida | NELAP | 4 | E87225 | 06-30-13 |
| Georgia | State Program | 4 | N/A | 06-30-13 |
| Illinois | NELAP | 5 | 200004 | 07-31-13 |
| Kansas | NELAP | 7 | E-10336 | 01-31-14 |
| Kentucky | State Program | 4 | 58 | 06-30-13 |
| L-A-B | DoD ELAP | | L2315 | 07-28-13 |
| Nevada | State Program | 9 | OH-000482008A | 07-31-13 |
| New Jersey | NELAP | 2 | OH001 | 06-30-13 |
| New York | NELAP | 2 | 10975 | 04-01-13 |
| Ohio VAP | State Program | 5 | CL0024 | 01-19-14 |
| Pennsylvania | NELAP | 3 | 68-00340 | 08-31-13 |
| Texas | NELAP | 6 | | 08-03-13 |
| USDA | Federal | | P330-11-00328 | 08-26-14 |
| Virginia | NELAP | 3 | 460175 | 09-14-13 |
| Wisconsin | State Program | 5 | 999518190 | 08-31-13 |

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client: Cardinal Resources
Project Manager: Barbara Jones
Date:
Chain of Custody Number: 001907
Address: 1505 E Carson Street
Telephone Number (Area Code)/Fax Number: 412-374-0989
Lab Number: North Canton OH
Page 1 of 1
City: Pittsburgh | State: PA | Zip Code: 15203
Site Contact:
Lab Contact: Nathan Pietras
Project Name and Location (State): Carroll & Dubies SE (NY)
Carrier/Waybill Number: Fedex
Contract/Purchase Order/Quote No.: 104-0012

Analysis (Attach list if more space is needed)

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | TCL OLM03.1/4.2 VOA | RSK-MEE ONLY | Nitrate | Alkalinity | Chloride | Sulfate | Sulfide | TOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Blank 3 | 2-8-13 | 9:15 | | ✓ | | | | | | 3 | | | ✓ | | | | | | | |
| OW-10R | 2-8-13 | 9:55 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OW-22 | 2-8-13 | 10:55 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OW-21 | 2-8-13 | 12:35 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MW-4 | 2-8-13 | 1:55 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Standard

QC Requirements (Specify)

| | | | | | |
|---|---|---|---|---|---|
| 1. Relinquished By: Barbara W. Jones | Date: 2/9/13 | Time: 10:00 | 1. Received By: | | |
| 2. Relinquished By: | Date: | Time: | 2. Received By: | Date: 2-11-13 | Time: 930 |
| 3. Relinquished By: | Date: | Time: | 3. Received By: | Date: | Time: |

Comments:

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

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

| Client | Project Manager | Date | Chain of Custody Number |
|---|---|---|---|
| Cardinal Resources LLC | Barbara Jones | 2/7/2013 | 001901 |
| **Address** | **Telephone Number (Area Code)/Fax Number** | **Lab Number** | **Page** 1 of 1 |
| 1505 E Carson St. | 412-374-0989 | North Canton OH | |
| **City** / **State** / **Zip Code** | **Site Contact** | **Lab Contact** | |
| Pittsburgh / PA / 15203 | | Nathan Pietras | |
| **Project Name and Location (State)** | **Carrier/Waybill Number** | | |
| Carroll & Dubies SF (NY) | Fedex 873012560099 | | |
| **Contract/Purchase Order/Quote No.** | | | |
| 104-0012 | | | |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | TCL OLM 03.1/4.2 VOA | RSK-MEE ONLY | Nitrate | Alkalinity | Chloride | Sulfate | Sulfide | TOC | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank 2 | 2-7-13 | 8:00 | | ✓ | | | | | | 3 | | | ✓ | | | | | | | | |
| Field Blank 2 | 2-7-13 | 8:30 | | ✓ | | | | | | 3 | | | ✓ | | | | | | | | |
| OW-18 | 2-7-13 | 8:55 | | ✓ | | | 1 | 2 | | 6 | NaOH | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| OW-24 | 2-7-13 | 10:45 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| OW-19 | 2-7-13 | 12:40 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | — | — | — | |
| Pump Rinsate Blank | 2-7-13 | 11:25 | | ✓ | | | | | | 3 | | | ✓ | | | | | | | | |
| OW-25 | 2-7-13 | 2:50 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| OW-13R | 2-8-13 | 8:40 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| GW-Dup | 2-8-13 | 9:00 | | ✓ | | | 1 | 2 | | 6 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Analysis (Attach list if more space is needed)

BTEX
Total Chloride
Anions
Cations

**Possible Hazard Identification**
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal**
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

**Turn Around Time Required**
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Standard

**QC Requirements (Specify)**

| 1. Relinquished By | Date | Time | 1. Received By | Date | Time |
|---|---|---|---|---|---|
| Barbara N. Jones | 2/8/13 | 4:00 | | 2-11-13 | 830 |
| 2. Relinquished By | Date | Time | 2. Received By | Date | Time |
| | | | | | |
| 3. Relinquished By | Date | Time | 3. Received By | Date | Time |
| | | | | | |

Comments

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

**TestAmerica Canton Sample Receipt Form/Narrative** Login # : 20928

Client CARDINAL Site Name _____ By: _____ (Signature)

Cooler Received on 2-11-13 Opened on 2-11-13

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # B-H-00 Foam Box Client Cooler Box Other BACK

Packing material used: Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

| | | | | |
|---|---|---|---|---|
| IR GUN# 1 | (CF –2 °C) | Observed Sample Temp. 3.7 °C | Corrected Sample Temp. 1.7 °C | |
| IR GUN# 4G | (CF 0 °C) | Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |
| IR GUN# 5G | (CF 0 °C) | Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |
| IR GUN# 8 | (CF 0 °C) | Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |

☒ Multiple on Back

| | | |
|---|---|---|
| 2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ | Yes (No) | |
| -Were custody seals on the outside of the cooler(s) signed & dated? | Yes No (NA) | |
| -Were custody seals on the bottle(s)? | Yes (No) | |
| 3. Shippers' packing slip attached to the cooler(s)? | (Yes) No | |
| 4. Did custody papers accompany the sample(s)? | (Yes) No | |
| 5. Were the custody papers relinquished & signed in the appropriate place? | (Yes) No | |
| 6. Did all bottles arrive in good condition (Unbroken)? | (Yes) No | |
| 7. Could all bottle labels be reconciled with the COC? | (Yes) No | |
| 8. Were correct bottle(s) used for the test(s) indicated? | (Yes) No | |
| 9. Sufficient quantity received to perform indicated analyses? | (Yes) No | |
| 10. Were sample(s) at the correct pH upon receipt? | (Yes) No NA | |
| 11. Were VOAs on the COC? | (Yes) No | |
| 12. Were air bubbles >6 mm in any VOA vials? | Yes (No) NA | |
| 13. Was a trip blank present in the cooler(s)? | (Yes) No | |

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

**14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**

**15. SAMPLE CONDITION**

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

**16. SAMPLE PRESERVATION**

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preserved added to sample(s)? _____

| Client ID | pH | Date | Initials |
|---|---|---|---|
| OW-18 | >9 | 2-11-13 | TLS |
| OW-24 | >9 | " | " |
| OW-19 | >9 | " | " |
| OW-25 | >9 | " | " |
| OW-13R | >9 | " | " |
| GW-DUP | >9 | " | " |
| OW-102 | >9 | " | " |
| OW-22 | >9 | " | " |
| OW-21 | >9 | " | " |
| MW-4 | >9 | " | " |

| Cooler # | Observed Sample Temp. °C | Corrected Sample Temp. °C | IR # | Coolant |
|---|---|---|---|---|
| B11 | 3.2 | 1.2 | 7 | ICE |
| K599 | 2.8 | 0.8 | 1 | " |

# Appendix B
# Historic Groundwater, Surface Water, and Sediment Results

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| MW-1 | 03/22/93 | NR | 0.9 J | NR | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NR | <0.1 B | <0.5 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 |
| | 09/26/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/20/95 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/18/99 | <10 | 0.66 J | <1.0 | <1.0 | 0.40 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 01/05/00 | <10 | 0.65 J,B | <1.0 | <1.0 | 0.37 J | <2.0 | 0.083 J | <2.0 | <1.0 | <1.0 | 0.22 J | <1.0 | 0.14 J | <10 | 0.35 J,B | <1.0 | <1.0 | - | 0.097 J | <1.0 | <2.0 | <1.0 |
| | 06/06/00 | <10 | 0.57 J | <1.0 | <1.0 | 0.30 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 03/15/01 | 10 UJ | 0.40 J | <1.0 | <1.0 | 0.38 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 08/29/01 | <10 | <1.0 | <1.0 | <1.0 | 0.32 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/25/02 | 10 U | <1.0 | <1.0 | <1.0 | 0.17 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 1.0 U | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 09/18/02 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/09/03 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/25/04 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | 0.24 J | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | 1.0 |
| | 02/15/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 08/30/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 06/13/07 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/24/08 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/14/09 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/21/10 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 UJ | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 10/13/11 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| MW-4 | 03/24/93 | NR | 18 J | NR | <0.5 | 0.4 J | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.3 J | <0.5 | NR | <4.1 B,J | <0.5 | <0.5 | - | 0.1 J | <0.5 | <0.5 | <0.5 |
| | 09/26/94 | <10 | 11 | <10 | <1.0 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/24/95 | <10 | 15 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/18/99 | <10 | 5.7 | <1.0 | <1.0 | 0.20 J | <2.0 | <1.0 | <2.0 | <1.0 | <0.1 | <1.0 | 9.8 | <1.0 | <10 | <1.0 | <1.0 | 0.16 J | - | 0.16 J | 0.20 J | <2.0 | <1.0 |
| | 01/05/00 | <10 | 6.9 B | <1.0 | <1.0 | 0.26 J | <2.0 | <1.0 | <2.0 | 0.13 J | <1.0 | 0.45 J | 3.3 | <1.0 | <10 | 0.11 J,B | <1.0 | <1.0 | - | 0.090 J | 0.15 J | 0.30 J | <1.0 |
| | 06/06/00 | <10 | 4.8 | <1.0 | <1.0 | 0.20 J | <2.0 | <1.0 | <2.0 | 0.11 J | <1.0 | <1.0 | 3.8 | <1.0 | <10 | <1.0 | <1.0 | 0.30 J | - | <1.0 | <1.0 | 0.18 J | <1.0 |
| | 03/14/01 | <10 | 3.6 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 3.2 | <1.0 | <10 | <1.0 | <1.0 | 0.66 J | - | <1.0 | 0.42 J | <2.0 | <1.0 |
| | 08/29/01 | <10 | 12 | <1.0 | <1.0 | 0.21 J | <2.0 | <1.0 | 0.26 J | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/25/02 | <10 | 10 | <1.0 | <1.0 | 0.21 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <10 | 1.0 U | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 09/18/02 | <10 | 7.8 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/09/03 | <10 | 2.2 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.84 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/26/04 | 10 U | 2.5 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.50 J | <1.0 | <10 | <1.0 | <1.0 | 0.72 J | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 02/15/06 | 10 U | 3.8 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.53 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 0.33 J | - | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 08/29/06 | 10 U | 9.1 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 06/13/07 | 10 U | 7.1 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 0.26 J | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/24/08 | 10 U | 4.4 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.48 J | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.28 J | 2.0 U | 1.0 U |
| | 07/16/09 | 10 U | 1.2 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 0.34 J | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/20/10 | 10 U | 2.0 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 10/13/11 | 10 U | 1.1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/08/13 | 10 U | 1.2 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| OW-2 | 03/23/93 | NR | <0.5 | NR | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 55 | <0.5 | NR | <1.3 B | <0.5 | 50 | - | <0.5 | 22 | <0.5 | <0.5 |
| | 09/23/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 130 | <10 | NR | <10 | <10 | 100 | - | <10 | 24 | <10 | <10 |
| | 04/23/95 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 85 | <10 | <10 | <10 | <10 | 76 | - | <10 | 22 | <10 | <10 |
| | 02/17/99 | <50 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | 130 | <5.0 | <50 | 3.6 J,B | <5.0 | 86 | - | <5.0 | 22 | <10 | <5.0 |
| | 01/05/00 | <10 | 0.46 J | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | 150 | <5.0 | <50 | <5.0 | <5.0 | 80 | - | <5.0 | 21 | 0.72 J | <5.0 |
| | 06/06/00 | <33 | <3.3 | <3.3 | <3.3 | <3.3 | <6.7 | <3.3 | <6.7 | <3.3 | <3.3 | <3.3 | 99 | <3.3 | <33 | <3.3 | <3.3 | 80 | - | <3.3 | 19 | <6.7 | <3.3 |
| | 03/15/01 | <100 | <10 | <10 | <10 | <10 | <20 | <10 | <20 | <10 | <10 | <10 | 310 | <10 | <100 | 4.6 J | <10 | 160 | - | <10 | 32 | <20 | <10 |
| | 08/29/01 | <25 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | <5.0 | <2.5 | <2.5 | <2.5 | 69 | <2.5 | <25 | <2.5 | <2.5 | 61 | - | <2.5 | 15 | <5.0 | <2.5 |
| | 04/25/02 | <25 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | <5.0 | <2.5 | <2.5 | <2.5 | 81 | <2.5 | <25 | 1.2 U | <2.5 | 60 | - | <2.5 | 18 | 0.95 J | <2.5 |
| | 09/18/02 | <29 | <2.9 | <2.9 | <2.9 | <2.9 | <5.7 | <2.9 | <5.7 | <2.9 | <2.9 | <2.9 | 85 | <2.9 | <29 | <2.9 | <2.9 | 68 | - | <2.9 | 18 | <5.7 | <2.9 |
| | 04/09/03 | <120 | <12 | <12 | <12 | <12 | <25 | <12 | <25 | <12 | <12 | <12 | 290 | <12 | <120 | <12 | <12 | 160 | - | <12 | 29 | <25 | <12 |
| | 04/26/04 | 10 U | 1.5 J | <6.7 | <6.7 | <6.7 | <13 | <6.7 | <13 | <6.7 | <6.7 | <6.7 | 170 | <6.7 | <67 | <6.7 | <6.7 | 110 | - | 1.3 J | 22 | <13 | <6.7 |
| | 02/15/06 | 40 U | 4.0 U | 4.0 U | 4.0 U | 4.0 U | 8.0 U | 4.0 U | 8.0 U | 4.0 U | 4.0 U | 4.0 U | 150 | 4.0 U | 40 U | 4.0 U | 4.0 U | 120 | - | 4.0 U | 20 | 8.0 U | 4.0 U |
| | 05/23/06 | 80 U | 8.0 U | 8.0 U | 8.0 U | 8.0 U | 16 U | 8.0 U | 16 U | 8.0 U | 8.0 U | 8.0 U | 250 | 8.0 U | 80 U | 8.0 U | 8.0 U | 130 | 8.0 U | 8.0 U | 22 | 16 U | 8.0 U |
| | 08/30/06 | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5.0 U | 2.5 U | 5.0 U | 2.5 U | 2.5 U | 2.5 U | 74 | 2.5 U | 25 U | 2.5 U | 2.5 U | 90 | 2.5 U | 2.5 U | 16 | 5.0 U | 2.5 U |
| | 11/29/06 | 120 U | 12 U | 12 U | 12 U | 12 U | 25 U | 12 U | 25 U | 12 U | 12 U | 12 U | 280 | 12 U | 120 U | 12 U | 12 U | 140 | 12 U | 12 U | 24 | 25 U | 12 U |
| | 06/13/07 | 20 U | 2.0 U | 2.0 U | 2.0 U | 2.0 U | 4.0 U | 2.0 U | 4.0 U | 2.0 U | 2.0 U | 2.0 U | 36 | 2.0 U | 20 U | 2.0 UJ | 2.0 U | 52 | 2.0 U | 2.0 U | 12 | 4.0 U | 2.0 U |
| | 07/24/08 | 20 U | 2.0 U | 2.0 U | 2.0 U | 2.0 U | 4.0 U | 2.0 U | 4.0 U | 2.0 U | 2.0 U | 2.0 U | 30 | 0.96 J | 20 U | 2.0 U | 2.0 U | 59 | 2.0 U | 2.0 U | 11 | 4.0 U | 1.1 J |
| | 07/16/09 | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5.0 U | 2.5 U | 5.0 U | 2.5 U | 2.5 U | 2.5 U | 53 | 2.5 U | 25 U | 2.5 U | 2.5 U | 62 | 2.5 U | 2.5 U | 9.7 | 5.0 U | 2.5 U |
| | 07/21/10 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 UJ | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 39 | 1.0 U | 10 U | 1.0 U | 1.0 U | 77 | 1.0 U | 1.0 U | 12 | 2.0 U | 1.0 U |
| | 10/13/11 | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 98 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 110 | 2.5 U | 2.5 U | 15 | 2.5 U | 5.0 U |
| | 02/06/13 | 100 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 330 | 10 U | 10 U | 10 U | 10 U | 180 | 10 U | 10 U | 26 | 10 U | 20 U |
| OW-5 | 03/23/93 | NR | <3.0 J | NR | <0.5 | 0.1 J | <0.5 | <0.5 | <1.3 | <0.5 | <0.6 | <0.5 | 8.0 R | <0.5 | NR | <3.8 | <0.6 | 1.0 | - | <0.5 | <1.3 | 1.8 | <0.6 |
| | 09/29/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 19 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/25/95 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 7 J | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/18/99 | <17 | 0.67 J | <1.7 | <1.7 | 0.20 J | <3.3 | <1.7 | <3.3 | <1.7 | <1.0 | <1.7 | 33 | <1.7 | <17 | 1.3 J,B | <1.0 | 7.8 | - | <1.7 | 5.4 | <3.3 | <1.7 |
| | 01/06/00 | 1.3 J | 0.66 J | <1.0 | <1.0 | 0.29 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | 0.20 J | 38 | <1.0 | <10 | 0.25 J,B | <1.0 | 18 | - | 0.041 J | 9.0 | 0.26 J | <1.0 |
| | 06/07/00 | <10 | 0.91 J | <1.0 | <1.0 | 0.19 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 7.3 | <1.0 | <10 | <1.0 | <1.0 | 2.4 | - | <1.0 | 1.7 | <2.0 | <1.0 |
| | 03/14/01 | <10 | 0.46 J | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 14 | <1.0 | <10 | <1.0 | <1.0 | 6.2 | - | <1.0 | 3.7 | <2.0 | <1.0 |
| | 08/29/01 | <12 | <1.2 | <1.2 | <1.2 | 0.21 J | <2.5 | <1.2 | <2.5 | <1.2 | <1.2 | <1.2 | 29 | <1.2 | <12 | <1.2 | <1.2 | 7.0 | - | <1.2 | 4.5 | <2.5 | <1.2 |
| | 04/24/02 | 14 U | 0.35 J | <1.4 | <1.4 | 0.20 J | <2.9 | <1.4 | <2.9 | <1.4 | <1.4 | <1.4 | 37 | <1.4 | <14 | 1.4 U | <1.4 | 10 | - | <1.4 | 5.3 | <2.9 | <1.4 |
| | 09/19/02 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 31 | <1.0 | <10 | <1.0 | <1.0 | 9.5 | - | <1.0 | 5.3 | <2.0 | <1.0 |
| | 04/10/03 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 7.8 | <1.0 | <10 | <1.0 | <1.0 | 5.5 | - | <1.0 | 3 | <2.0 | <1.0 |
| | 04/25/04 | <10 | 0.38 J | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 8.6 | <1.0 | <10 | <1.0 | <1.0 | 5.2 | - | <1.0 | 2.5 | <2.0 | <1.0 |
| | 02/16/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 6.2 | 1.0 U | 10 U | 1.0 U | 1.0 U | 4.3 | - | 1.0 U | 2.0 | 2.0 U | 1.0 U |
| | 05/23/06 | 10 U | 0.69 J | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 20 | 1.0 U | 10 U | 1.0 U | 1.0 U | 5.7 | 1.0 U | 1.0 U | 2.6 | 0.27 J | 1.0 U |
| | 08/29/06 | 14 U | 1.4 U | 1.4 U | 1.4 U | 1.4 U | 2.9 U | 1.4 U | 2.9 U | 1.4 U | 1.4 U | 1.4 U | 34 | 1.4 U | 14 U | 1.4 U | 1.4 U | 6.1 | 1.4 U | 1.4 U | 2.8 J | 0.82 J | 1.4 U |
| | 11/29/06 | 10 U | 0.26 J | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 30 | 1.0 U | 10 U | 1.0 U | 1.0 U | 7.1 | 1.0 U | 1.0 U | 3.5 | 2.0 U | 1.0 U |
| | 06/12/07 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 8.7 | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 4.0 | 1.0 U | 1.0 U | 1.9 | 2.0 U | 1.0 U |
| | 07/23/08 | 1.0 U | 0.53 J | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 10 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 4.4 | 1.0 U | 1.0 U | 1.8 | 0.28 J | 1.0 U |
| | 07/14/09 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 3.7 | 1.0 U | 1.0 U | 1.5 | 2.0 U | 1.0 U |
| | 07/21/10 | 10 U | 0.37 J | 1.0 U | 1.0 U | 1.0 U | 2.0 UJ | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 4.8 | 1.0 U | 10 U | 1.0 U | 1.0 U | 4.2 | 1.0 U | 1.0 U | 1.6 | 2.0 U | 1.0 U |
| | 10/13/11 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.4 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/06/13 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.3 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| OW-6 | 03/23/93 | NR | <1.3 J | NR | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 J | <1.3 J | <0.5 | NR | <0.7 J,B | <0.5 | 13 | - | <0.5 | <2.9 | 1.1 | <0.5 |
| | 09/27/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 4 J | <10 | NR | <10 | <10 | 17 | - | <10 | 6.0 J | <10 | <10 |
| | 04/23/95 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 19 | - | <10 | 5.0 J | <10 | <10 |
| | 02/18/99 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 7.8 | <1.0 | <10 | 3.7 B | <1.0 | 20 | - | <1.0 | 4.6 | <2.0 | <1.0 |
| | 01/06/00 | 1.4 J | 0.19 J,B | 0.58 J | <1.0 | <1.0 | <2.0 | <1.0 | 0.17 J | <1.0 | <1.0 | 0.28 J | 5.1 | <1.0 | <10 | 0.26 J,B | <1.0 | 21 | - | <1.0 | 4.6 | <2.0 | <1.0 |
| | 06/07/00 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 2.2 | <1.0 | <10 | <1.0 | <1.0 | 14 | - | <1.0 | 2.6 | <2.0 | <1.0 |
| | 03/15/01 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 6.9 | <1.0 | <10 | <1.0 | <1.0 | 19 | - | <1.0 | 3.9 | <2.0 | <1.0 |
| | 08/29/01 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 6.7 | <1.0 | <10 | <1.0 | <1.0 | 12 | - | <1.0 | 2.3 | <2.0 | <1.0 |
| | 04/24/02 | 10 U | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 4.7 | <1.0 | <10 | 1.1 U | <1.0 | 12 | - | <1.0 | 2.9 | <2.0 | <1.0 |
| | 09/19/02 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 7.8 | <1.0 | <10 | <1.0 | <1.0 | 15 | - | <1.0 | 3.9 | <2.0 | <1.0 |
| | 04/09/03 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 21 | <1.0 | <10 | 0.34 J | <1.0 | 28 | - | <1.0 | 6.8 | <2.0 | <1.0 |
| | 04/25/04 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 21 | <1.0 | <10 | <1.0 | <1.0 | 32 | - | <1.0 | 6.3 | <2.0 | <1.0 |
| | 02/16/06 | 17 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 3.3 U | 1.7 U | 3.3 U | 1.7 U | 1.7 U | 1.7 U | 19 | 1.7 U | 17 U | 1.7 U | 1.7 U | 39 | - | 1.7 U | 7.9 | 3.3 U | 1.7 U |
| | 05/23/06 | 17 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 3.3 U | 1.7 U | 3.3 U | 1.7 U | 1.7 U | 1.7 U | 24 | 1.7 U | 17 U | 1.7 U | 1.7 U | 39 | 1.7 U | 1.7 U | 7.8 | 3.3 U | 1.7 U |
| | 08/31/06 | 14 U | 1.4 U | 1.4 U | 1.4 U | 1.4 U | 2.9 U | 1.4 U | 2.9 U | 1.4 U | 1.4 U | 1.4 U | 20 | 1.4 U | 14 U | 1.4 U | 1.4 U | 40 | 1.4 U | 1.4 U | 7.7 | 2.9 U | 1.4 U |
| | 11/29/06 | 17 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 3.3 U | 1.7 U | 3.3 U | 1.7 U | 1.7 U | 1.7 U | 20 | 1.7 U | 17 U | 0.75 J | 1.7 U | 41 | 1.7 U | 1.7 U | 8.6 | 3.3 U | 1.7 U |
| | 06/12/07 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 19 | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 36 | 1.0 U | 1.0 U | 9.0 | 2.0 U | 1.0 U |
| | 07/23/08 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 16 | 1.0 U | 10 U | 1.0 U | 1.0 U | 31 | 1.0 U | 1.0 U | 6.3 | 2.0 U | 1.0 U |
| | 07/14/09 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 16 | 1.0 U | 10 U | 1.0 U | 1.0 U | 30 | 1.0 U | 1.0 U | 5.5 | 2.0 U | 1.0 U |
| | 07/21/10 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 UJ | 1.0 U | 0.31 J | 1.0 U | 1.0 U | 1.0 U | 20 | 1.0 U | 10 U | 1.0 U | 1.0 U | 42 | 1.0 U | 1.0 U | 8.6 | 2.0 U | 1.0 U |
| | 10/13/11 | 17 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 40 | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 52 | 1.7 U | 1.7 U | 11 | 1.7 U | 3.3 U |
| | 02/06/13 | 13 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 19 | 1.3 U | 1.3 U | 1.3 U | 1.3 U | 44 | 1.3 U | 1.3 U | 8.9 | 1.3 U | 2.5 U |
| OW-8 | 03/23/93 | NR | <0.5 | NR | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NR | <0.8 B | <0.5 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 |
| | 09/26/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/20/95 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/18/99 | <10 | 0.32 J | 0.17 J | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <10 | 0.32 J | <1.0 | 0.17 J | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 01/06/00 | <10 | 0.49 J | <1.0 | <1.0 | 0.37 J | <2.0 | 0.083 J | <2.0 | <1.0 | <1.0 | 0.22 J | <1.0 | 0.14 J | <10 | 0.35 J,B | <1.0 | <1.0 | - | 0.097 J | <1.0 | <2.0 | <1.0 |
| | 06/07/00 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 03/15/01 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 08/29/01 | <10 | 0.20 J | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/24/02 | 10 U | 0.20 J | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 1.0 U | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 09/19/02 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/09/03 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/25/04 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 02/16/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 08/31/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 06/12/07 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/23/08 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/14/09 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/20/10 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 10/13/11 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/06/13 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| OW-10 | 10/29/93 | NR | 37 | NR | <1.0 | <1.0 | <1.0 | 1.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NR | 2.9 B | <1.0 | <1.0 | - | 0.5 J | <1.0 | <1.0 | <1.0 |
| | 09/25/94 | 68 | 1,100 | <10 | <10 | 4 J | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 9 J | NR | <10 | <10 | <10 | - | 8 J | <10 | <10 | 53 |
| | 04/27/95 | <50 | 2,600 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | - | <50 | <50 | <50 | 30 J |
| | 02/16/99 | <2,000 | 1,900 | <200 | <200 | 23 J | <400 | <200 | <400 | <200 | <200 | <200 | <200 | <200 | <2,000 | 100 J,B | <200 | <200 | - | 25 J | <200 | <400 | <200 |
| OW-10R | 01/07/00 | 610 | 400 | <17 | <17 | 3.6 J,B | <33 | <17 | <33 | <17 | <17 | <17 | <17 | 4.3 J | <170 | <17 | <17 | <17 | - | 8.5 J | <17 | 10 J | 6.2 J |
| | 06/06/00 | <50 | 130 J | <5.0 | <5.0 | 3.0 J | <10 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | 2.2 J | <50 | <5.0 | <5.0 | <5.0 | - | 0.52 J | <5.0 | 2.2 J | <5.0 |
| | 03/14/01 | <10 | 35 | <1.0 | <1.0 | 3.6 | 0.80 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 1.0 | 0.89 J | <10 | <1.0 | <1.0 | <1.0 | - | 0.44 J | <1.0 | 2.4 | <1.0 |
| | 08/29/01 | <20 | 55 | <2.0 | <2.0 | 1.4 J | 1.1 J | <2.0 | <4.0 | <2.0 | <2.0 | <1.0 | 3.5 | <1.0 | <20 | <1.0 | <2.0 | <2.0 | - | <1.0 | <2.0 | 9.5 | <2.0 |
| | 04/25/02 | <10 | 30 | <1.0 | <1.0 | 4.0 | 2.8 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 2.7 | 2.0 U | <10 | 1.2 U | <1.0 | <1.0 | - | 1.0 U | <1.0 | 4.5 | 1.0 U |
| | 09/19/02 | <10 | 17 | <1.0 | <1.0 | 2.9 | 1.3 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 1.5 | 0.91 J | <10 | <1.0 | <1.0 | <1.0 | - | 0.39 J | <1.0 | 6.3 | <1.0 |
| | 04/09/03 | <10 | 6.8 | <1.0 | <1.0 | 3.1 | 0.54 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 0.43 J | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.72 J | <1.0 |
| | 04/26/04 | <10 | 8.1 | <1.0 | <1.0 | 2.2 | 0.80 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.57 J | 0.22 J | <10 | 1.0 U | <1.0 | <1.0 | - | 0.27 J | <1.0 | 0.99 J | <1.0 |
| | 02/15/06 | 10 U | 3.2 | 1.0 U | 1.0 U | 1.4 | 0.52 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 0.47 J | 1.3 U |
| | 08/29/06 | 10 U | 9.9 | 1.0 U | 1.0 U | 1.4 | 0.92 J | 1.0 U | 0.20 J | 1.0 U | 1.0 U | 1.0 U | 0.59 J | 0.25 J | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.7 J | 1.0 U |
| | 06/13/07 | 10 U | 4.7 | 1.0 U | 1.0 U | 1.4 | 0.94 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.47 J | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.89 J | 1.0 U |
| | 07/22/08 | 10 U | 5.7 | 1.0 U | 1.0 U | 0.71 J | 0.48 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.46 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.80 J | 1.0 U |
| | 07/15/09 | 10 U | 2.7 | 1.0 U | 1.0 U | 2.3 | 0.62 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.33 J | 1.0 U |
| | 07/20/10 | 10 U | 4.6 | 1.0 U | 1.0 U | 0.88 J | 0.87 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.39 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.66 J | 1.0 U |
| | 10/13/11 | 10 U | 2.4 | 1.0 U | 1.0 U | 5.1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/08/13 | 10 U | 2.8 | 1.0 U | 1.0 U | 6.0 | 1.3 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| OW-13 | 10/28/93 | NR | 230 | NR | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 0.4 J | <1.0 | <1.0 | 12 | 0.2 J | NR | 1.2 J,B | <1.0 | <1.0 | - | 4.8 | 0.9 J | <1.0 | 0.8 J |
| | 09/29/94 | <10 | 40 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 6 J | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | 9 J | <10 |
| | 04/25/95 | <10 | 350 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 20 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | 34 | <10 |
| | 02/16/99 | <330 | 490 | <33 | <33 | <33 | <67 | <33 | <67 | <33 | <33 | <33 | 52 | <33 | <330 | 18 J,B | <33 | <33 | - | 7.6 J | <33 | 48 J | <33 |
| | 01/06/00 | <200 | 620 | <20 | <20 | <20 | <40 | 3.5 J,B | <40 | <20 | <20 | <20 | 56 | 2.3 J | <200 | <20 | <20 | <20 | - | 2.7 J,B | 1.3 J | 58 | <20 |
| | 06/07/00 | <83 | 200 | <8.3 | <8.3 | 0.84 J | <17 | <8.3 | <17 | <8.3 | <8.3 | <8.3 | 15 | 5.5 J | <83 | <8.3 | <8.3 | <8.3 | - | <8.3 | <8.3 | 17 | <8.3 |
| | 03/14/01 | <50 | 130 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | 15 | 4.0 J | <50 | 3.0 J | <5.0 | <5.0 | - | <5.0 | <5.0 | 12 | <5.0 |
| | 08/29/01 | <62 | 120 | <6.2 | <6.2 | <6.2 | <12 | <6.2 | <12 | <6.2 | <6.2 | <6.2 | 12 | <6.2 | <62 | <6.2 | <6.2 | <6.2 | - | <6.2 | 1.1 J | 9.9 J | <6.2 |
| | 04/24/02 | <56 | 160 | <5.6 | <5.6 | <5.6 | <11 | <5.6 | <11 | <5.6 | <5.6 | <5.6 | 11 | <5.6 | <56 | <5.6 | <5.6 | <5.6 | - | 5.6 U | 1.2 J | 9.9 J | <5.6 |
| | 09/19/02 | <33 | 81 | <3.3 | <3.3 | <3.3 | <6.7 | <3.3 | <6.7 | <3.3 | <3.3 | <3.3 | 8.5 | 1.8 J | 24 J | <3.3 | <3.3 | <3.3 | - | <3.3 | <3.3 | 5.9 J | <3.3 |
| | 04/10/03 | <25 | 53 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | <5.0 | <2.5 | <2.5 | <2.5 | 5.9 | 1.6 J | <25 | <2.5 | <2.5 | <2.5 | - | <2.5 | <2.5 | 4.9 J | <2.5 |
| | 04/25/04 | <17 | 45 | <1.7 | <1.7 | 0.38 J | <3.3 | <1.7 | <3.3 | <1.7 | <1.7 | <1.7 | 4.9 | 1.0 J | <17 | <1.7 | <1.7 | <1.7 | - | 0.31 J | 0.67 J | 3.2 J | <1.7 |
| OW-13R | 02/20/06 | 10 U | 15 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.60 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 0.29 J | 1.0 U | 1.1 J | 1.0 U |
| | 08/29/06 | 10 U | 15 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.40 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.3 J | 1.0 U |
| | 06/12/07 | 10 U | 11 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.42 J | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.86 J | 1.0 U |
| | 07/22/08 | 10 U/10 U | 6.5 J/6.8 J | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 2.0 U/2.0 U | 1.0 U/1.0 U | 2.0 U/2.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 10 U/10 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 0.70 J/0.70 J | 1.0 U/1.0 U |
| | 07/14/09 | 10 U/10 U | 13/12 | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 2.0 U/2.0 U | 1.0 U/1.0 U | 2.0 U/2.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 2.4/2.3 | 1.0 U/1.0 U | 10 U/10 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 0.64 J/0.63 J | 1.6 J/1.6 J | 1.0 U/1.0 U |
| | 07/21/10 | 10 UJ/10 UJ | 17/17 | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 2.0 U/2.0 U | 1.0 U/1.0 U | 2.0 UJ/2.0 UJ | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 0.70 J/0.78 J | 1.0 U/1.0 U | 10 U/10 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 0.35 J/0.35 J | 1.2 J/1.2 J | 1.0 U/1.0 U |
| | 10/13/11 | 10 U/10 U | 1.0 U/1.3 J | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 2.0 U/2.0 U |
| | 02/08/13 | 10 U/10 U | 5.4/5.0 | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.9/1.8 | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 2.0 U/2.0 U |

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| OW-15 | 09/24/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/26/95 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/16/99 | <10 | 1.1 | <1.0 | <1.0 | 0.52 J | <2.0 | <1.0 | <2.0 | 0.25 J | <1.0 | <1.0 | 0.38 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 1.5 J | <1.0 |
| | 01/07/00 | 1.3 J | 1.0 B | 0.92 J | <1.0 | 0.64 J | <2.0 | <1.0 | <2.0 | 0.31 J | <1.0 | 0.57 J | <1.0 | <1.0 | <10 | 0.35 J,B | 0.15 J,B | <1.0 | - | 0.074 J | <1.0 | 1.4 J | <1.0 |
| | 06/06/00 | <10 | 0.91 J | <1.0 | <1.0 | 0.60 J | <2.0 | <1.0 | <2.0 | 0.28 J | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 1.0 J | <1.0 |
| | 03/14/01 | <10 | 1.2 | <1.0 | <1.0 | 0.67 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.37 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 1.1 J | <1.0 |
| | 08/28/01 | 2.2 J,B | 0.61 J | <1.0 | <1.0 | 0.35 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.52 J | <1.0 |
| | 04/25/02 | <10 | 0.99 J | <1.0 | <1.0 | 0.47 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 1.0 U | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.91 J | <1.0 |
| | 09/18/02 | <10 | 0.69 J | <1.0 | <1.0 | 0.43 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/08/03 | <10 | 1.2 | <1.0 | <1.0 | 0.67 J | <2.0 | <1.0 | <2.0 | 0.33 J | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <1.0 J | <1.0 |
| | 04/23/04 | <10 | 1.2 | <1.0 | <1.0 | 0.67 J | <2.0 | <1.0 | <2.0 | 0.29 J | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.90 J | <1.0 |
| | 02/15/06 | 10 U | 0.88 J | 1.0 U | 1.0 U | 0.53 J | 2.0 U | 1.0 U | 2.0 U | 0.24 J | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 0.73 J | 1.3 U |
| | 08/29/06 | 10 U | 0.78 J | 1.0 U | 1.0 U | 0.51 J | 2.0 U | 1.0 U | 0.37 J | 0.22 J | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.82 J | 1.0 U |
| OW-16 | 09/24/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/26/95 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/17/99 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 01/06/00 | 1.4 J | 0.082 J,B | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | 0.61 J | <1.0 | <1.0 | <10 | 0.30 J,B | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 06/07/00 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 03/14/01 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 08/28/01 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | 0.36 J | <1.0 | <1.0 | <10 | 0.80 J | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/24/02 | 10 U | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 1.9 U | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 09/19/02 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/10/03 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/25/04 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 02/17/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.37 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 08/31/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.35 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| OW-17 | 02/20/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 05/24/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 08/30/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 0.20 J | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 11/30/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| OW-18 | 09/23/94 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/29/95 | <10 | 12 | <10 | <10 | 10 J | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | 1 J | <10 | <10 | 29 |
| | 02/17/99 | <17 | 4.7 | <1.7 | <1.7 | 3.4 | 1.0 J | <1.7 | <3.3 | <1.7 | <1.7 | <1.7 | 0.54 J | <1.7 | <17 | 1.0 J,B | <1.7 | <1.7 | - | <1.7 | <1.7 | <3.3 | 1.1 J |
| | 01/07/00 | 2.7 J | 5.6 B | 1.0 | <1.0 | 4.5 | 3.0 | <1.0 | <2.0 | 0.66 J | <1.0 | 0.29 J | <1.0 | <1.0 | <10 | 0.40 J,B | <1.0 | <1.0 | - | 0.22 J | 0.14 J | 0.29 J | 1.8 |
| | 06/08/00 | <10 | 4.8 | <1.0 | <1.0 | 4.6 | 1.3 J | <1.0 | <2.0 | 0.24 J | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 03/16/01 | 10 UJ | 3.1 | <1.0 | <1.0 | 3.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.38 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | 1.4 |
| | 08/28/01 | 2.3 J,B | 2.4 J | <1.0 | <1.0 | 3.6 J | <2.0 | <1.0 | <2.0 | 0.18 J | <1.0 | <1.0 | 0.38 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | 1.3 J |
| | 04/24/02 | 10 U | 1.5 | <1.0 | <1.0 | 4.3 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.28 J | <1.0 | <10 | 1.6 U | <1.0 | <1.0 | - | 1.0 U | <1.0 | <2.0 | 1.7 |
| | 09/17/02 | <10 | 2.9 | <1.0 | <1.0 | 5.5 | 1.3 J | <1.0 | <2.0 | 0.36 J | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | 2.0 |
| | 04/08/03 | 2.6 J | 2.9 | <1.0 | <1.0 | 5.6 | 1.2 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | 1.2 |
| | 04/23/04 | 10 U | 3.3 | <1.0 | <1.0 | 7.3 | 0.74 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | 1.2 |
| | 02/17/06 | 10 U | 5.1 | 1.0 U | 1.0 U | 10 | 3.2 | 1.0 U | 2.0 U | 1.6 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 0.49 J | 1.0 U | 2.0 U | 10 |
| | 08/30/06 | 10 U | 3.7 | 1.0 U | 1.0 U | 7.8 | 0.91 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 06/14/07 | 10 U | 1.2 | 1.0 U | 1.0 U | 6.5 | 0.46 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/22/08 | 10 U | 1.5 | 1.0 U | 1.0 U | 6.9 | 0.40 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/16/09 | 10 U | 2.3 | 1.0 U | 1.0 U | 9.6 | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.34 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/22/10 | 1.6 J | 2.8 | 1.0 U | 1.0 U | 11 | 0.41 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 0.63 J |
| | 10/13/11 | 10 U | 3.7 | 1.0 U | 1.0 U | 8.7 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.5 | 2.0 U |
| | 02/07/13 | 10 U | 5.1 | 1.0 U | 1.0 U | 11 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.1 | 2.0 U |
| OW-19 | 09/27/94 | <10 | 10 J | <10 | <10 | 5 J | 15 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/28/95 | <10 | 8 J | <10 | <10 | 6 J | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/17/99 | <10 | 5.8 | <1.0 | <1.0 | 7.1 | 6.1 | <1.0 | <2.0 | 0.27 J | <1.0 | <1.0 | 3.3 | <1.0 | <10 | 0.16 J,B | <1.0 | <1.0 | - | 0.16 J | 0.14 J | 10 | <1.0 |
| | 01/05/00 | 0.94 J | 3.7 B | <1.0 | <1.0 | 10 | 2.7 | <1.0 | <2.0 | 0.16 J | 0.27 J | <1.0 | 1.5 | <1.0 | <10 | 0.25 J,B | <1.0 | <1.0 | - | 0.15 J | 0.15 J | 2.1 | <1.0 |
| | 06/08/00 | <10 | 2.3 | <1.0 | <1.0 | 5.2 | 1.9 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 03/16/01 | 10 UJ | 1.7 | <1.0 | <1.0 | 3.8 | 1.4 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.96 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 1.3 J | <1.0 |
| | 08/28/01 | 2.7 J,B | 1.9 J | <1.0 | <1.0 | 7.2 J | 0.92 J | <1.0 | <2.0 | <1.0 | <1.0 | 0.35 J | 0.46 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/23/02 | 10 U | 1.3 | <1.0 | <1.0 | 6.5 | 0.71 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.43 J | <1.0 | <10 | 1.0 U | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 09/17/02 | <10 | 0.64 J | <1.0 | <1.0 | 4.9 | 0.73 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | <1.0 |
| | 04/08/03 | 2.5 J | 3 | <1.0 | <1.0 | 4.9 | 1.7 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.81 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.68 J | <1.0 |
| | 04/24/04 | 10 U | 2.1 | <1.0 | <1.0 | 6 | 1.3 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.58 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.56 J | <1.0 |
| | 02/17/06 | 10 U | 3.4 | 1.0 U | 1.0 U | 5.6 | 1.9 J | 1.0 U | <2.0 | 1.0 U | 1.0 U | 1.0 U | 1.3 | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 2.9 | 1.0 U |
| | 08/31/06 | 3.1 J | 3.3 | 1.0 U | 1.0 U | 13 | 1.8 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.85 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 4.1 | 1.0 U |
| | 06/14/07 | 10 U | 2.1 | 1.0 U | 1.0 U | 8.8 J | 1.3 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.73 J | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.87 J | 1.0 U |
| | 07/22/08 | 10 U | 1.4 | 1.0 U | 1.0 U | 11 | 0.91 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.49 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.62 J | 1.0 U |
| | 07/15/09 | 10 U | 1.9 | 1.0 U | 1.0 U | 7.9 | 1.0 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.94 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.1 | 1.0 U |
| | 07/22/10 | 1.3 J | 1.2 | 1.0 U | 1.0 U | 11 | 0.85 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.65 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.63 J | 1.0 U |
| | 10/13/11 | 10 U | 3 | 1.0 U | 1.0 U | 8.4 | 1.4 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.6 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 3.3 | 2.0 U |
| | 02/07/13 | 10 U | 2.5 | 1.0 U | 1.0 U | 14 | 1.2 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 3.1 | 2.0 U |

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| OW-21 | 09/22/94 | 6 J | 5 J | <10 | <10 | <10 | <10 | 10 J | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 04/29/95 | <10 | 8 J | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 |
| | 02/16/99 | <10 | 5.8 | <1.0 | <1.0 | 0.11 J | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.26 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.89 J | <1.0 |
| | 01/04/00 | <10 | 3.8 B | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | 0.11 J | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 0.10 J,B | <1.0 | <1.0 | - | 0.055 J | <1.0 | 0.46 J | <1.0 |
| | 06/07/00 | <10 | 5.4 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.54 J | <1.0 |
| | 03/13/01 | 10 UJ | 4.5 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.70 J | <1.0 |
| | 08/30/01 | 10 U | 3.2 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 0.38 J | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.25 J | <1.0 |
| | 04/25/02 | <10 | 2.4 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 1.0 U | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.33 J | <1.0 |
| | 09/18/02 | <10 | 2.5 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.39 J | <1.0 |
| | 04/09/03 | <10 | 3.7 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | 5.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 0.51 J | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.88 J | <1.0 |
| | 04/24/04 | <10 | 2.9 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.56 J | <1.0 |
| | 02/16/06 | 10 U | 3.0 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 0.52 J | 1.0 U |
| | 08/29/06 | 10 U | 2.4 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 0.27 J | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.83 J | 1.0 U |
| | 06/13/07 | 10 U | 2.1 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.67 J | 1.0 U |
| | 07/23/08 | 10 U | 1.8 | 1.0 U | 1.0 U | 1.0 U | <2.0 | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.74 J | 1.0 U |
| | 07/15/09 | 10 U | 2.1 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.80 J | 1.0 U |
| | 07/20/10 | 10 U | 1.9 | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.71 J | 1.0 U |
| | 10/13/11 | 10 U | 2.2 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/08/13 | 10 U | 2.0 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| OW-22 | 09/24/94 | <10 | 100 | <10 | <10 | 9 J | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | NR | <10 | <10 | <10 | - | <10 | <10 | <10 | 5 J |
| | 04/28/95 | <10 | 48 | <10 | <10 | 10 J | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | - | 1 J | <10 | <10 | <10 |
| | 02/17/99 | <25 | 46 | <2.5 | <2.5 | 8.0 | <5.0 | <2.5 | <5.0 | <2.5 | <2.5 | <2.5 | 2.4 J | <2.5 | <25 | 1.1 J,B | <2.5 | <2.5 | - | 0.87 J | <2.5 | 4.2 J | 3.5 |
| | 01/04/00 | 1.5 J | 37 B | 0.41 J | <1.2 | 5.8 | <2.5 | <1.2 | <2.5 | 0.21 J | <1.2 | <1.2 | <1.2 | 0.098 J | <12 | 0.23 J,B | <1.2 | <1.2 | - | 0.58 J | 0.073 J | 1.5 J | 1.7 |
| | 06/07/00 | <10 | 11 | <1.0 | <1.0 | 5.8 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <1.0 | 1.4 |
| | 03/13/01 | 10 UJ | 12 | <1.0 | <1.0 | 8.2 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 0.70 J | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | 0.56 J | <1.0 | 0.76 J | 1.9 |
| | 08/30/01 | 10 U | 3.4 | <1.0 | <1.0 | 4.6 | <2.0 | 0.34 J | <2.0 | <1.0 | <1.0 | <1.0 | 0.36 J | <1.0 | <10 | 0.36 J | <1.0 | <1.0 | - | 0.45 J | <1.0 | <2.0 | 1.7 |
| | 04/25/02 | <10 | 4.2 | <1.0 | <1.0 | 3.7 | <2.0 | <1.0 | <2.0 | <1.0 | 0.29 J | <1.0 | <1.0 | <1.0 | <10 | 1.2 U | <1.0 | <1.0 | - | 1.0 U | <1.0 | 0.39 J | 2.7 U |
| | 09/18/02 | <10 | 2.9 | <1.0 | <1.0 | 4.2 | <2.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <2.0 | 1.8 |
| | 04/09/03 | <10 | 8.7 | <1.0 | <1.0 | 8.5 | 0.66 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | 0.40 J,B | <1.0 | <1.0 | - | <1.0 | <1.0 | 0.56 J | 1.6 |
| | 04/24/04 | 10 U | 4.2 | <1.0 | <1.0 | 5.9 | 0.24 J | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10 | <1.0 | <1.0 | <1.0 | - | 0.23 J | <1.0 | 0.32 J | 1.1 |
| | 02/16/06 | 10 U | 7.5 | 1.0 U | 1.0 U | 11 | 0.31 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.59 J | 1.0 U | <10 | 0.59 J | 1.0 U | 1.0 U | - | 0.26 J | 1.0 U | 0.29 J | 1.0 |
| | 08/31/06 | 10 U | 2.8 | 1.0 U | 1.0 U | 5.3 | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.37 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.24 J | 1.0 U | 0.41 J | 1.1 |
| | 06/14/07 | 10 U | 3.5 | 1.0 U | 1.0 U | 4.8 | 0.26 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.50 J | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 0.21 J | 1.0 U | 0.37 J | 0.76 J |
| | 07/23/08 | 10 U | 1.9 | 1.0 U | 1.0 U | 4.6 | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.17 J | 1.0 U | 0.32 J | 0.66 J |
| | 07/15/09 | 10 U | 5.1 | 1.0 U | 1.0 U | 7.8 | 0.34 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.53 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.19 J | 1.0 U | 0.35 J | 1.0 U |
| | 07/20/10 | 10 U | 2.5 | 1.0 U | 1.0 U | 4.5 | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 0.38 J | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.26 J | 0.64 J |
| | 10/13/11 | 10 U | 5.3 | 1.0 U | 1.0 U | 18 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/08/13 | 10 U | 6.2 | 1.0 U | 1.0 U | 9.3 | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |

**Table B-1**
**Historical Summary of Detected TCL Volatile Organic Compounds in Groundwater** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | Carbon Disulfide | Carbon Tetrachloride | Chloro-benzene | Chloroethane | Chloroform | Chloromethane | 1,1-DCA | 1,2-DCA | 1,1-DCE | 1,2-DCE (total) | Ethylbenzene | 2-Hexanone | Methylene Chloride | 1,1,2,2-PCA | PCE | Styrene | Toluene | TCE | Vinyl Chloride | Xylenes (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NA | 5 (S) | 5 (S)* | 5 (S)* | 7 (S) | 1 | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 50 (G) | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 5 (S)* |
| U.S. EPA MCL | | NA | 5 | NA | 5 | 100 | NA | NA | 5 | NA | 5 | 7 | 70 | 700 | NA | 5 | NA | 5 | 100 | 1,000 | 5 | 2 | 10,000 |
| Well ID | Date | | | | | | | | | | | | | | | | | | | | | | |
| OW-23 | 02/17/06 | 10 U | 0.38 J | 1.0 U | 1.0 U | 1.0 U | 0.31 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 1.0 U | 1.0 U | 0.66 J | 1.0 U |
| | 05/23/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.31 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 0.44 J | 1.0 U | 1.0 U | 0.39 J | 1.0 U |
| | 08/30/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.42 J | 1.0 U |
| | 11/30/06 | 10 U | 0.23 J | 1.0 U | 1.0 U | 1.0 U | 0.27 J | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 0.22 J | 1.0 U | 0.51 J | 1.0 U |
| OW-24 | 02/20/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 0.22 J | 1.0 U | 2.0 U | <1.0 |
| | 05/24/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 0.45 J | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 08/30/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 11/29/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 3.6 U | 1.0 U | 1.0 U | 1.0 U | 0.18 J | 1.0 U | 2.0 U | 1.0 U |
| | 07/22/10 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 0.47 J | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 3.6 U | 1.0 U | 1.0 U | 1.0 U | 0.18 J | 1.0 U | 2.0 U | 1.0 U |
| | 10/13/11 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/07/13 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| OW-25 | 02/20/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | - | 0.17 J | 1.0 U | 1.0 U | 1.0 U |
| | 05/23/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 08/31/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 11/29/06 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 06/12/07 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/23/08 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 UJ | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/16/09 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 07/22/10 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 1.0 U |
| | 10/13/11 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |
| | 02/07/13 | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U |

**Notes**:
TCL = Target Compound List
NYSDEC SGV = New York State Department of Environmental Conservation Standards (S) and Guidance (G) Values for groundwater
U.S. EPA MCL= United States Environmental Protection Agency Maximum Contaminant Level for drinking/groundwater
* = The principal organic contaminant (POC) standard for groundwater of 5 ug/L applies to this substance.
U (DATA VALIDATION QUALIFIER) = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
< = Analyte not detected at reporting limit
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
**Red = Concentrations detected at or above regulatory limit**
**Blue = Analyte detected at less than regulatory limit, or analyte detected but no regulatory criteria specified**
UJ = (DATA VALIDATION QUALIFIER) = Analyte not detected above the reporting limit; however, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Pre-1999 data from RETEC 1995
Pre-1999 analysis performed by Method 8240
1999 and later analyses performed by Method 8260B
NA = Not applicable; no criteria specified
NR = Analyte not reported
R = Data rejected during validation
J = Estimated result; result is less than reporting limit.

**Table B-2**
**Historical Summary of Detected TCL Volatile and Semivolatile Organic Compounds in Surface Water (ug/L)**
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | 2-Butanone | Chloroethane | 1,2-Dichloro-ethane | 1,2-Dichloro-ethene (total) | Methylene Chloride | Toluene | Vinyl Chloride | Di-n-butyl phthalate |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NE | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 50 (S) |
| U.S. EPA MCL | | NE | 5 | NE | NE | 5 | 70 | 5 | 1,000 | 2 | NE |
| Sample ID | Date | *VOCs* | | | | | | | | | *SVOCs* |
| SW-1 (Down-stream) | 02/18/99 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 10 U |
| | 01/04/00 | 10 U | 0.19 J,B | 10 U | 0.85 J | 1.0 U | 1.0 U | 0.15 J,B | 1.0 U | 0.99 J | 10 U |
| | 06/08/00 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 10 U |
| | 03/15/01 | 10 U | 1.0 U | 10 U | 0.97 J | 0.61 J | 0.39 J | 1.0 U | 1.0 U | 0.52 J | 10 U |
| | 08/28/01 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 10 U |
| | 04/23/02 | 10 U | 1.0 U | 0.60 J | 2.0 U | 1.0 U | 1.0 U | 1.5 U | 1.0 U | 2.0 U | NA |
| | 09/17/02 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | NA |
| | 04/08/03 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | NA |
| | 04/23/04 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | NA |
| SW-1 / Duplicate | 02/18/06 | 10 U / 21 U | 1.0 U / 1.0 U | 10 U / 10 U | 0.37 J / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 0.34 J / 0.29 J | NA / NA |
| | 06/14/07 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | NA / NA |
| | 07/24/08 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | NA / NA |
| | 07/15/09 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | NA / NA |
| | 07/22/10 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | NA / NA |
| | 10/13/11 | 10 U/10 U | 1.0 U/1.0 U | 10 U/10 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | NA / NA |
| | 02/05/13 | 10 U/10 U | 1.0 U/1.0 U | 10 U/10 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | 1.0 U/1.0 U | NA / NA |

**Notes**:
TCL = Target Compound List
NE = Not established; no criteria specified.
NA = Not analyzed
NYSDEC SGV = New York State Department of Environmental Conservation Standards (S) and Guidance (G) values for groundwater.
* = The principal organic contaminant (POC) standard for groundwater of 5 ug/L applies to this substance.
U.S. EPA MCL = United States Environmental Protection Agency Maximum Contaminant Level for drinking/groundwater.
J = Estimated result; result is less than reporting limit.
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
U (DATA VALIDATION QUALIFIER) = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
**Blue = Analyte detected at less than regulatory limit, or analyte detected but no regulatory criteria specified.**
**Red = Analyte detected at or above SGV or MCL.**

**Table B-2**
**Historical Summary of Detected TCL Volatile and Semivolatile Organic Compounds in Surface Water** (ug/L)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | 2-Butanone | Chloroethane | 1,2-Dichloro-ethane | 1,2-Dichloro-ethene (total) | Methylene Chloride | Toluene | Vinyl Chloride | Di-n-butyl phthalate |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NYSDEC SGV | | 50 (G) | 1 (S) | NE | 5 (S)* | 0.6 (S) | 5 (S)* | 5 (S)* | 5 (S)* | 2 (S) | 50 (S) |
| U.S. EPA MCL | | NE | 5 | NE | NE | 5 | 70 | 5 | 1,000 | 2 | NE |
| Sample ID | Date | *VOCs* | | | | | | | | | *SVOCs* |
| SW-2 (Upstream) | 02/18/99 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 10 U |
| | 01/04/00 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 10 U |
| | 06/08/00 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 10 U |
| | 03/15/01 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | 10 U |
| | 02/18/06 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | **0.53 J** | NA |
| | 06/14/07 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | **0.21 J** | 1.0 U | 2.0 U | NA |
| | 07/24/08 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | NA |
| | 07/15/09 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | NA |
| | 07/22/10 | 10 U | 1.0 U | 10 U | 2.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 2.0 U | NA |
| | 10/13/11 | 10 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | NA |
| | 02/05/13 | 10 U | 1.0 U | 10 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | NA |
| SW-2 / Duplicate | 08/28/01 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | 10 U |
| | 04/23/02 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.2 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | **0.77 J** / 10 U |
| | 04/23/03 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | NA |
| | 04/23/04 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | NA |
| | 04/23/05 | 10 U / 10 U | 1.0 U / 1.0 U | 10 U / 10 U | 2.0 U / 2.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 1.0 U / 1.0 U | 2.0 U / 2.0 U | NA |

**Notes**:
TCL = Target Compound List
NE = Not established; no criteria specified.
NA = Not analyzed
NYSDEC SGV = New York State Department of Environmental Conservation Standards (S) and Guidance (G) values for groundwater.
* = The principal organic contaminant (POC) standard for groundwater of 5 ug/L applies to this substance.
U.S. EPA MCL = United States Environmental Protection Agency Maximum Contaminant Level for drinking/groundwater.
J = Estimated result; result is less than reporting limit.
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
U (DATA VALIDATION QUALIFIER) = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
**Blue** = **Analyte detected at less than regulatory limit, or analyte detected but no regulatory criteria specified.**
**Red** = **Analyte detected at or above SGV or MCL.**

**Table B-3**
**Historical Summary of Detected TCL Volatile and Semivolatile Organic Compounds in Sediment** (ug/kg)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | 2-Butanone | Carbon Disulfide | Chlorobenzene | Chloroform | 1,2-Dichloroethane | 1,2-Dichloroethene (total) | Methylene Chloride | Toluene | Trichloroethene | Vinyl Chloride | bis(2-Ethylhexyl)phthalate | Di-n-butylphthalate | 4-Methylphenol |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | ***VOCs*** | | | | | | | | | | | | ***SVOCs*** | | |
| SED 1 (Downstream) | 09/27/94 | 58 | ND | 20 U | NA | ND | ND | ND | ND | ND | ND | ND | 20 U | ND | 190 J,B | ND |
| | 02/18/99 | 28 U | 6.9 U | 28 U | 6.9 U | 6.9 U | 6.9 U | 6.9 U | 6.9 U | 6.9 U | 6.9 U | 6.9 U | 14 U | 450 U | 77 J | 450 U |
| | 01/04/00 | 370 | 31 U | 82 J | 31 U | 31 U | 31 U | 31 U | 31 U | 31 U | 31 U | 31 U | 6.9 J | 2,000 UJ / 1,400 UJ | 2,000 UJ / 1,400 UJ | 2,000 UJ / 1,400 UJ |
| | 06/08/00 | 60 JB | 13 U | 17 J | 13 U | 13 U | 13 U | 13 U | 13 U | 13 U | 13 U | 13 U | 27 U | 590 J | 880 U | 880 U |
| | 03/15/01 | 55 J | 16 U | 62 U | 16 U | 16 U | 16 U | 16 U | 16 U | 16 U | 16 U | 16 U | 31 U | 1,000 U | 1,000 U | 1,000 U |
| | 08/28/01 | 27 J | 2.1 J | 9.4 J | 12 U | 12 U | 12 U | 12 U | 4.6 J | 12 U | 1.3 J | 12 U | 24 U | 790 U | 790 U | 790 U |
| | 04/23/02 | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R |
| | 09/17/02 | 180 BJ | 2.7 J | 58 J | 3.5 J | 17 U | 17 U | 17 U | 2.1 J | 17 U | 54 J | 17 U | 34 UJ | NA | NA | NA |
| | 04/08/03 | 110 J | 3.4 J | 34 J | 21 UJ | 21 U | 21 U | 21 U | 5.7 J | 21 U | 21 U | 21 U | 3.0 J | NA | NA | NA |
| | 04/23/04 | 28 J,FB,TB | 10 U | 7.2 J | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 20 U | NA | NA | NA |
| SED-1 / Duplicate | 02/18/06 | 460 U / 180 U | 11 U / 9.1 U | 130 U / 54 U | 11 U / 9.1 U | 11 U / 9.1 U | 11 U / 9.1 U | 11 U / 9.1 U | 11 U / 9.1 U | 11 U / 9.1 U | 1.2 J / 0.95 J | 1.9 J / 9.1 U | 23 U / 18 U | NA | NA | NA |
| | 06/14/07 | 60 J / 18 J | 12 U / 12 U | 18 J / 6.9 J | 0.62 J / 0.76 J | 12 U / 12 U | 12 U / 12 U | 12 U / 12 U | 12 U / 12 U | 12 U / 12 U | 12 U / 12 U | 12 U / 12 U | 24 U / 24 U | NA / NA | NA / NA | NA / NA |
| | 07/24/08 | 24 U / 26 U | 6.1 U / 6.5 U | 2.9 J / 5.9 J | 6.1 U / 6.5 U | 6.1 U / 6.5 U | 6.1 U / 6.5 U | 6.1 U / 6.5 U | 6.1 U / 6.5 U | 6.1 U / 6.5 U | 6.1 U / 6.5 U | 6.1 U / 6.5 U | 12 U / 13 U | NA / NA | NA / NA | NA / NA |
| | 07/15/09 | 940 J / 300 J | 13 J / 5.6 J | 230 J / 96 J | 17 J / 8.2 J | 5.9 J / 3.2 J | 25 U / 21 U | 1.7 J / 21 U | 12 J / 5.9 J | 9.7 J / 21 U | 3.1 J1.3 J | 25 U / 21 U | 8.7 J / 4.5 J | NA / NA | NA / NA | NA / NA |
| | 07/22/10 | 45 J / 85 J | 7.3 U / 15 U | 29 U / 62 U | 7.3 U / 15 U | 7.3 U / 15 U | 7.3 U / 15 U | 7.3 U / 15 U | 7.3 U / 15 U | 7.9 J / 7.3 U | 7.3 U / 15 U | 7.3 U / 15 U | 7.3 U / 15 U | NA / NA | NA / NA | NA / NA |
| | 10/13/11 | 34 U / 33 U | 8.6 U / 8.1 U | 34 U / 33 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | 8.6 U / 8.1 U | NA / NA | NA / NA | NA / NA |
| | 02/05/13 | 72 J / 56 J | 11 UJ / 11 UJ | 43 UJ / 43 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | 11 UJ / 11 UJ | NA / NA | NA / NA | NA / NA |
| SED-2 (Upstream) | 09/27/97 | 76 | ND | 23 U | NA | ND | ND | ND | ND | ND | ND | ND | 23 U | ND | 220 J,B | ND |
| | 02/18/99 | 140 JB | 44 U | 50 J | 44 U | 44 U | 44 U | 44 U | 44 U | 44 U | 44 U | 44 U | 88 U | 2,900 U | 370 J | 2,900 U |
| | 02/18/06 | 110 U | 16 U | 65 U | 1.8 J | 16 U | 16 U | 16 U | 16 U | 16 U | 2.1 J | 16 U | 32 U | NA | NA | NA |
| | 06/14/07 | 76 J | 15 U | 18 J | 1.2 J | 15 U | 15 U | 15 U | 15 U | 15 U | 5.5 J | 15 U | 30 U | NA | NA | NA |
| | 07/24/08 | 78 UJ | 10 U | 19 J | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 0.90 J | 10 U | 20 U | NA | NA | NA |
| | 07/15/09 | 110 UJ | 28 UJ | 110 UJ | 28 UJ | 28 UJ | 1.6 J | 28 UJ | 28 UJ | 8.6 J | 34 J | 28 UJ | 56 UJ | NA | NA | NA |
| | 07/22/10 | 89 J | 16 U | 65 U | 16 UJ | 16 U | 16 U | 16 U | 16 U | 18 J | 16 UJ | 16 U | 16 U | NA | NA | NA |
| | 10/13/11 | 47 UJ | 12 UJ | 47 UJ | 12 UJ | 12 UJ | 12 UJ | 12 UJ | 12 UJ | 13 J | 12 UJ | 12 UJ | 12 UJ | NA | NA | NA |
| | 02/05/13 | 150 UJ | 38 UJ | 150 UJ | 38 UJ | 38 UJ | 38 UJ | 38 UJ | 38 UJ | 38 UJ | 38 UJ | 38 UJ | 38 UJ | NA | NA | NA |

**Notes**:
TCL = Target Compound List
ND = Not detected at reporting limit prior to 06/08/00.
< = Not detected at the method detection limit.
B = Method blank contamination. The associated method blank contains the analyte at a reportable level.
NA = Not analyzed
J = Estimated result; result is less than method reporting limit
TB = Detected in trip blank
FB = Detected in field blank
R (DATA VALIDATION QUALIFIER) = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be verified.
# = This value represents a probable combination of 3-methylphenol (m-cresol) and 6-methylphenol (p-cresol).
UJ (DATA VALIDATION QUALIFIER) = Analyte not detected above the reporting limit; however, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Methylene chloride (2.6 ug/kg J, FB, TB) was detected in SED-1 during 4/04 sampling round.

**Table B-3**
**Historical Summary of Detected TCL Volatile and Semivolatile Organic Compounds in Sediment** (ug/kg)
**Carroll and Dubies Superfund Site**
**Town of Deerpark, Orange County, New York**

| Analyte | | Acetone | Benzene | 2-Butanone | Carbon Disulfide | Chlorobenzene | Chloroform | 1,2-Dichloroethane | 1,2-Dichloroethene (total) | Methylene Chloride | Toluene | Trichloroethene | Vinyl Chloride | bis(2-Ethylhexyl)phthalate | Di-n-butylphthalate | 4-Methylphenol |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | ***VOCs*** | | | | | | | | | | | | ***SVOCs*** | | |
| SED-2 / Duplicate | 01/04/00 | 180 J / 190 U | 55 U / 47 U | 220 U / 190 U | 55 U / 47 U | 55 U / 47 U | 55 U / 47 U | 55 U / 47 U | 55 U / 47 U | 55 U / 47 U | 55 U / 47 U | 55 U / 47 U | 110 U / 94 U | 3,600 U / 3,100 U | 3,600 U / 3,100 U | 3,600 U / 3,100 U |
| | 06/08/00 | 150 J / 160 U | 46 U / 41 U | 49 J / 160 U | 46 U / 41 U | 46 U / 41 U | 46 U / 41 U | 46 U / 41 U | 46 U / 41 U | 46 U / 41 U | 13 J / 41 U | 46 U / 41 U | 91 U / 81 U | 2,900 J / 1,500 J | 3,000 U / 2,700 U | 480 J,# / 2,700 U |
| | 03/15/01 | 36 UJ / 69 UJ | 17 UJ / 17 UJ | 70 UJ / 69 UJ | 17 U / 17 U | 17 U / 17 U | 17 U / 17 U | 17 U / 17 U | 17 UJ / 17 UJ | 17 UJ / 17 UJ | 17 UJ / 17 UJ | 17 U / 17 U | 35 UJ / 35 UJ | 1,200 U / 1,100 U | 1,200 U / 1,100 U | 1,200 U / 1,100 U |
| | 08/28/01 | 44 J / 22 J | 16 U / 13 U | 14 J / 7.6 J | 16 U / 13 U | 16 U / 13 U | 16 U / 13 U | 16 U / 13 U | 16 U / 13 U | 16 U / 13 U | 16 U / 13 U | 16 U / 13 U | 32 U / 25 U | 1,100 U / 830 U | 1,100 U / 830 U | 1,100 U / 830 U |
| | 04/23/02 | 63 J / 85 UJ | 30 UJ / 21 UJ | 21 J / 85 UJ | 30 UJ / 21 UJ | 30 UJ / 21 UJ | 30 UJ / 21 UJ | 30 UJ / 21 UJ | 30 UJ / 21 UJ | 30 UJ / 21 UJ | 30 UJ / 21 UJ | 30 UJ / 21 UJ | 59 UJ / 42 UJ | 2,000 UJ / 1,400 UJ | 2,000 UJ / 1,400 UJ | 2,000 UJ / 1,400 UJ |
| | 09/17/02 | 40 B / 29 JB | 9.6 U / 9.3 U | 17 J / 9.3 J | 9.6 U / 9.3 U | 9.6 U / 9.3 U | 9.6 U / 9.3 U | 9.6 U / 9.3 U | 9.6 U / 9.3 U | 9.6 U / 9.3 U | 1.0 J / 0.91 J | 9.6 U / 9.3 U | 19 U / 19 U | NA | NA | NA |
| | 04/08/03 | 79 J / 27 J | 41 U / 44 U | 21 J / 180 U | 41 U / 44 U | 41 U / 44 U | 41 U / 44 U | 41 U / 44 U | 41 U / 44 U | 41 U / 44 U | 41 U / 44 U | 41 U / 44 U | 83 U / 88 U | NA | NA | NA |
| | 04/23/04 | 38 J,FB / 53 U | 14 U / 13 U | 12 J / 53 U | 14 U / 13 U | 14 U / 13 U | 14 U / 13 U | 14 U / 13 U | 14 U / 13 U | 14 U / 13 U | 14 U / 13 U | 14 U / 13 U | 28 U / 27 U | NA | NA | NA |

**Notes**:
TCL = Target Compound List
ND = Not detected at reporting limit prior to 06/08/00.
< = Not detected at the method detection limit.
B = Method blank contamination. The associated method blank contains the analyte at a reportable level.
R (DATA VALIDATION QUALIFIER) = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be verified.
# = This value represents a probable combination of 3-methylphenol (m-cresol) and 6-methylphenol (p-cresol).
UJ (DATA VALIDATION QUALIFIER) = Analyte not detected above the reporting limit; however, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Methylene chloride (2.6 ug/kg J, FB, TB) was detected in SED-1 during 4/04 sampling round.
NA = Not analyzed
J = Estimated result; result is less than method reporting limit
TB = Detected in trip blank
FB = Detected in field blank

# Appendix C
# Data Quality Review
# Checklists

**Tier II**
**VOA Organic Data Review Summary**

| | |
|---|---|
| **SDG No./Matrix**: 240-20760-1; low water and sediment (solid)<br>Samples SW-1, SW-2, SED-1, SED-2, OW-2, OW-5, OW-6, OW-8, Trip Blank 1, Field Blank 1. Also SED-1 Dup, SW-1 Dup, SED-2 MS/MSD, SW-2 MS/MSD, OW-5 MS/MSD.<br>**Project No**.:104-0012, Carroll and Dubies superfund Site | **Completion Date**: 3/25/2013<br><br>**Reviewer**: B. Jones |
| **Laboratory**: TestAmerica, North Canton OH | |

| Review Criteria | Data Qualified Yes / No | Comments |
|---|---|---|
| 1. Data completeness | No | Complete electronic package provided by laboratory with sample results, QC summaries, calibration, and raw data. QC summaries and other selected pages were printed for review and filing. |
| 2. Preservation/holding time | No | Samples were all collected on 2/6 and were analyzed (including re-analysis) no later than 2/12, within the 10-day holding time for preserved samples. Unpreserved sediments were analyzed within 2 days. |
| 3. GC/MS tuning – **Form V (p. 21)** | No | Five Form Vs provided, showing BFB performance checks that cover all samples, QC samples, and standards (begin on p. 413). Relative abundances all within limits, no qualifications. |
| 4. Calibration: | | |
| 4A – Initial – **Form VI (p. 28)** | No | IC on 1/30. Some deviation % RSD and RRF from specified limits for compounds such as 1,4-dioxane that are not reported, therefore no data qualifications. |
| 4B – Continuing – **Form VII (p. 30)** | Yes | Form VIIs provided for multiple days, bracketing all sample analyses. Some deviation % D and RRF from specified limits for compounds such as 1,4-dioxane and naphthalene that are not reported, therefore no data qualifications for these compounds. Reported compound trichlorofluoromethane had high %D for CCGVIS 240-75030/2 analyzed on 2/12. All water samples (analyzed on 2/11 or 2/12) were qualified UJ for trichlorofluoromethane, which was not detected in any sample. |
| 5. Blanks: | | |
| 5A - Laboratory blanks – **Form IV (p. 16)** | No | Three method blanks, for solids and for two low water, with Form IVs provided. Form Is and quantitation reports for MBs were checked and okay. All non-detects. |

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|---|---|---|---|
| | 5B - Trip blanks | No | One trip blank and one field blank were analyzed for this SDG. All results were nondetectable. |
| | 5C - Equipment rinsates | NA | The pump rinsate blank was analyzed with another SDG. |
| 6. | Surrogate recovery – **Form II (p. 13)** | No | Form IIs were provided for low water and solids. All recoveries were within QC limits. Transcription for sample data to Form IIs was spot-checked for two samples SED-2 and OW-6 and okay. |
| 7. | Lab-control sample – **Form III (p. 16)** | No | There were two low water lab control samples and one solids LCS. Recovery was high for both low water LSCs for trichlorofluoromethane, reported by lab to be a poor performer for this method. This compound was nondetectable in all water samples. By protocol, only positive results are qualified, therefore no qualifications. |
| 8. | Matrix spike/matrix spike duplicates – **Form III (p. 16)** | No | OW-5 MS/MSD recovery was high for trichlorofluoromethane. The result was already qualified for continuing calibration out of limits, therefore has not been further qualified. |
| 9. | Field duplicates | No | Field duplicate SW-1 and SW-Dup both nondetect, no qualification. Field duplicate SED-1, SED-Dup had one positive result for acetone; results had 25% RSD, within the limit of 50% for nonaqueous samples, therefore not qualified. |
| 10. | Internal standards performance - **Form VIII** | No | Form VIIIs show all samples, standards, and QC analyses covered in internal standard evaluation. All QC limits met. |
| 11. | Compound quantitation and reporting | No | Form Is, quantitation sheets, chromatograms, and mass spectra reports provided for all samples analyzed. Spot check of dilutions (OW-2, OW-6) and dry weight calculations for solids and okay. |
| 12. | Tentatively identified compounds | NA | TIC analysis not required for this program. |
| 13. | Other comments or qualifications | Yes | Because of moisture content greater than 50% (but less than 90%), sediment samples were qualified as J for detects, UJ for nondetects. Winter conditions made it difficult to collect a low-water sediment sample.<br><br>For SW-1, two of three VOA containers were broken in transit to the lab. However, the lab had sufficient sample for analyses. |

**Tier II**
**RSK Method Dissolved Gases**

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|---|---|
| **SDG No./Matrix**: 240-20760-1, water Samples OW-2, OW-5, OW-6, and OW-8<br>**Project No**.: 104-0012, Carroll and Dubies Superfund Site | **Completion Date**: 3/26/2013<br>**Reviewer**: B. Jones |
| **Laboratory**: TestAmerica, North Canton, OH | |

| Review Criteria | Data Qualified Yes / No | Comments |
|---|---|---|
| 1. Data completeness | No | Complete electronic package with QC summaries, raw data, and sample data. QC summaries and other pages printed for review and filing. |
| 2. Preservation/holding time | No | All samples collected on 2/6 and analyzed on 2/12, within the 10-day holding time. |
| 3. Analytical Sequence – Form VIII | No | Form VIII shows the date, time, and sequence of analyses of CCV, MB, and samples. CCV within 4 hours. |
| 4. Calibration: | | |
| 4A – Initial – Form VI | No | Initial calibration on 1/18, 9-level. RTs and % RSDs within QC limits. |
| 4B – Continuing - Form VII | No | 2/12 CCV batch 75041 above upper control limit for ethane and ethene, but data not qualified because all sample results were nondetect. |
| 5. Blanks: | | |
| 5A - Laboratory blanks – Form IV | No | Form IV shows MB applies to samples and MS/MSD. MB Form I shows all non-detects. |
| 5B - Trip blanks | NA | Trip and field blanks analyses for GC/MS VOAs only. |
| 5C - Equipment rinsates | NA | No rinsate blank collected for this SDG; rinsate blank analyzed for GS/MS VOAs only. |
| 6. Surrogate recovery – Form II | No | 1,1,1-trifluoroethane recoveries within QC limits for all field and QC samples. |
| 7. Lab control sample – Form III | No | One LCS; recoveries within QC limits. |
| 8. Matrix spike/matrix spike duplicates – Form III | No | OW-5 used for MS/MSD. Recoveries and RPDs within QC limits. |
| 9. Field duplicates | NA | Groundwater field duplicate collected with other SDG. |
| 10. Compound quantitation and reporting | No | No sample detects, but OW-5 MS checked. Compared Form I against quantitation report and okay. |
| 11. Tentatively identified compounds | NA | TIC reporting is not required for this program. |

**Tier II**
**Inorganic Data Review Summary**

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|---|---|
| **SDG No./Matrix**: 240-20760-1 low water<br>Samples SW-1, SW-2, OW-2, OW-5, OW-6, and OW-8. Also SW-Dup (SW-1). | **Completion Date**: 3/26/2013 |
| **Project No**.: 104-0012, Carroll and Dubies superfund Site | **Reviewer**: B. Jones |
| **Laboratory**: TestAmerica, North Canton, OH | |

| Review Criteria | Data Qualified Yes / No | Comments |
|---|---|---|
| 1. Data completeness | No | Electronic report contained sample data, QC data, MDLs/RLs, run log, raw data, and prep data. Summary data printed as needed for review and filing. |
| 2. Preservation/holding time | No | All holding times met; samples collected on 2/6 and nitrate analyzed in 2/7, within 48 hours. Sulfide was analyzed on 2/12, within 7 days. |
| 3. Calibration – Form 2 IN | No | Calibration Quality Control Forms for nitrate, sulfate, TOC, and chloride. Shows CCV and CCB results, ICV for nitrate. All results within QC control limits. |
| 4.A Laboratory Blanks – Form 3 IN | No | Method Blank summary for sulfate, chloride, sulfide, alkalinity, nitrate, and TOC. All results ND. |
| 4.B 4B Field blanks | NA | Field/trip blanks analyzed for GC/MS VOAs only. |
| 5. Lab control sample – Form 7A-IN | No | LCS for all parameters but chloride. Recoveries within QC limits. |
| 6. Laboratory duplicate sample – Form 6 IN | No | Used OW-5 for lab duplicate for alkalinity. Results within RPD limits. |
| 7. Field duplicate sample | NA | No field duplicate collected with this SDG. |
| 8. Laboratory matrix spike sample analysis - Form 5 IN | No | Lab MS/MSD summary for sulfate, chloride, sulfide, alkalinity, nitrate, and TOC. Recoveries and RPDs all within control limits. |
| 9. Detection Limits – Form 9 IN | No | Method detection and reporting limits provided for all parameters. Forms dated 1/27-1/28. |
| 10. Analysis Run Log – Form 13 N | No | Run log summaries for all parameters showing samples, QC, LCS, CCV and CCV (no CCV or CCB for sulfide and alkalinity). |
| 11. Sample quantitation and reporting | No | Spot checked chloride for OW-5 (lab sample 12) to compare Form I with raw data p. 632 and okay. |

| Inorganic Parameter: | Holding Time: |
|---|---|
| - Chloride | 28 days |
| - Nitrate | 48 hours |
| - Sulfate | 28 days |
| - Total Alkalinity | 14 days |
| Total Organic Carbon | 28 days |
| - Total Sulfide | 7 days |

**Tier II**
**VOA Organic Data Review Summary**

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|---|---|
| **SDG No./Matrix**: 240-20928-1, Water (low).<br>Samples: Field Blank 3, Field Blank 2, Trip Blank 2, Pump Rinsate Blank, MW-4, OW-10R, OW-13R, OW-13R DUP, OW-18, OW-19, OW-21, OW-22, OW-24, OW-25<br>**Project No**.: 104-0011, Carroll and Dubies Superfund Site | **Completion Date**: 3/20/2013<br><br>**Reviewer**: B. Jones |
| **Laboratory**: TestAmerica, North Canton, OH | |

| Review Criteria | Data Qualified Yes / No | Comments |
|---|---|---|
| 1. Data completeness | No | Complete package for validation provided electronically. Selected pages such as QC summary formed printed for review and filed. |
| 2. Preservation/holding time | No | All samples were collected on 2/7 and 2/8, and analyzed on 2/14 and 2/15, meeting 10-day holding time. |
| 3. GC/MS tuning | No | **Form Vs** reviewed which covered standards, initial cal, and samples. Results met QC criteria, and results on Form V were spot checked against raw data for transcriptional accuracy. |
| 4. Calibration: | | |
| 4A - Initial | No | ICAL **Form VI** for 2/11/13. RSDs were within QC limits. Average RRFs for a few compounds were less than 0.05, but for compounds not reported on Sample Form Is (1,4-dioxane; vinyl acetate), there for no data qualification. |
| 4B - Continuing | Yes | CCAL **Form VIIs** for 2/11, 2/14, and 2/15. A few compounds had %D greater than $\pm$ 25%, mostly for compounds not reported on Form Is. The only reported compounds where %D was greater than 25% was dichlorodifluoromethane ( 31.5% ); non-detectable results on Form Is were qualified UJ. |
| 5. Blanks: | No | |
| 5A - Laboratory blanks | No | Two method blanks, one for 2/14 and one for 2/15, both ND for all VOCs. **Form IVs** confirm coverage for all samples. Associated Form Is reviewed. No qualifications. |
| 5B – Trip and Field blanks | No | FB 2, FB 3, TB 2: All ND. |
| 5C - Equipment rinsates | No | Pump Rinsate Blank: ND, |
| 6. Surrogate recovery | No | **Form II** shows surrogate recoveries for all samples within QC limits. Transcription for three samples OW-21, Pump Rinsate, and OW-13R compared for Form II and quantitation report and okay. |

| | | |
|---|---|---|
| 7. Lab-fortified blank | No | Two lab control samples were reported for this SDG and associated **Form IIIs** show spike recoveries were all within QC limits. |
| 8. Matrix spike/matrix spike duplicates | NA | Field MS/MSD not collected for this SDG. |
| 9. Field duplicates | No | Field duplicate was OW-13R. Detected compounds had 5.4% to 7.7% RSD, which is less than the 30% limit for aqueous samples. |
| 10. Internal standards performance | No | **Form VIIIs** provided for associated samples, initial, and continuing calibrations. Areas and retention times all within upper and lower QC limits. |
| 11. Compound quantitation and reporting | No | Spot checked OW-13R Form I against sample quantitation report and okay. |
| 12. Tentatively identified compounds | NA | TIC reporting is not required for this program. |

**Tier II**
**RSK Method Dissolved Gases**

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|---|---|
| **SDG No./Matrix**: 240-20928-1<br>Samples MW-4, OW-10R, OW-13R, OW-13R DUP, OW-18, OW-19, OW-21, OW-22, OW-24, OW-25<br>**Project No**.: 104-0011, Carroll and Dubies Superfund Site | **Completion Date**: 3/22/2013<br><br>**Reviewer**: B Jones |
| **Laboratory**: TestAmerica, North Canton, OH | |

| Review Criteria | Data Qualified Yes / No | Comments |
|---|---|---|
| 1. Data completeness | No | Complete package provided electronically with samples results, QC summaries, and raw data. Selected pages printed for review and documentation. |
| 2. Preservation/holding time | No | All samples collected on 2/7 and 2/8 and analyzed initially on 2/12. Four samples OW-10R, OW18, OW-19, and OW-22 reanalyzed at dilution on 2/14. All analyses within 10-day holding time. |
| 3. Analytical Sequence – Form VIII | No | Analytical sequence shows samples, QC, and CCV in correct order and at required frequency. |
| 4. Calibration: | | |
| 4A – Initial – Form VI | No | 9-level IC on 1/18/2013. |
| 4B – Continuing - Form VII | No | 2/12 batch 75041 above upper control limits for ethane and ethylene but associated samples were nondetect, therefore no qualifications. |
| 5. Blanks: | | |
| 5A - Laboratory blanks – Form IV | No | For MBs analyzed, all ND. MBs cover all field and QC samples. |
| 5B - Trip blanks | NA | Trip and field blanks were not analyzed for dissolved gases. |
| 5C - Equipment rinsates | NA | Pump rinsate sample was not analyzed for dissolved gases. |
| 6. Surrogate recovery – Form II | No | 1,1,1-TFE used for surrogate. All recoveries within control limits. |
| 7. Lab control sample – Form III | No | 6 total lab control samples/duplicates. All results within control limits. |
| 8. Matrix spike/matrix spike duplicates – Form III | No | OW-10R used for MS/MSD. Recoveries and RPDs within control limits. |
| 9. Field duplicates | No | OW-13R duplicate for methane: RPD was 10%, less than 30% limit. |
| 10. Compound quantitation and reporting | No | Quantitation reports checked for 5x dilutions of OW10R, OW-18, OW-19, and OW-22 and okay. |
| 11. Tentatively identified compounds | NA | TICs not required for this program. |

**Tier II**
**Inorganic Data Review Summary**

| | |
|---|---|
| **SDG No./Matrix**:240-20928-1<br>Samples MW-4, OW-10R, OW-13R, OW-13R DUP, OW-18, OW-19, OW-21, OW-22, OW-24, OW-25 | **Completion Date**: 03/22/2013 |
| **Project No**.: 104-0011, Carroll and Dubies Superfund Site | **Reviewer**: B. Jones |
| **Laboratory**: TestAmerica, North Canton, OH | |

| Review Criteria | Data Qualified Yes / No | Comments |
|---|---|---|
| 1. Data completeness | No | Complete electronic package with sample results, QC summaries, and raw data. QC summaries and other applicable pages printed as needed. |
| 2. Preservation/holding time | Yes | Due to winter weather sample delivery to lab was delayed, and nitrate analysis did not meet 48 hour holding times. All nitrate results qualified as J/UJ. Other holding times were met. |
| 3. Calibration – Form 2 IN | No | Calibration quality control form provided for parameters where calibration curves are used: chloride, nitrate, sulfate, TOC. CCV and CCB results met stated QC limits. |
| 4. Blanks: | | |
| 4A – Laboratory – Form 3 IN | No | General chemistry blank forms provided for all parameters; all ND. |
| 4B – Field blanks | NA | Trip, field, and pump rinsate blanks collected for VOCs only. |
| 5. Lab control sample – Form 7A-IN | No | LCS for each parameter, all within limits. |
| 6. Laboratory duplicate sample – Form 6 IN | No | OW-25 for nitrate: results within RPD limits. |
| 7. Field duplicate sample | Yes | OW-13R/Dup: All parameters met RPD, but sulfide was 1.0 mg/L/ND at RL 1.0 mg/L, therefore results were qualified as J/UJ. |
| 8. Laboratory matrix spike sample analysis – Form 5 IN | No | Nitrate spike recovery slightly high (122-125% compared to upper limit of 120%). However, nitrate results for this SDG already qualified due to holding time exceedance, therefore results not further qualified. |
| 9. Detection Limits – Form 9 IN | No | Detection limit summaries (RL and MDL) for all samples and blanks provided for all parameters. |
| 10. Analysis Run Log – Form 13 IN | No | For all parameters. Show samples, CCB, CCV, QC samples. For alkalinity and sulfide, MB and LCS listed, but CCV and CCB not applicable. |
| 11. Sample quantitation and reporting | No | Spot checked raw data for chloride against Form Is for OW-18, OW-19, and OW-24 and okay. |

| Inorganic Parameter: | Holding Time: |
|---|---|
| - Chloride | 28 days |
| - Nitrate | 48 hours |
| - Sulfate | 28 days |
| - Total Alkalinity | 14 days |
| - Total Organic Carbon | 28 days |
| - Total Sulfide | 7 days |