PERIODIC REVIEW REPORT
REPORTING PERIOD: JANUARY 1, 2002 THROUGH JANUARY 1, 2013

HARMON RAILROAD YARD – WASTE WATER AREA
CROTON POINT ROAD
CROTON-ON-HUDSON, NEW YORK
NYSDEC SITE NO. 360010

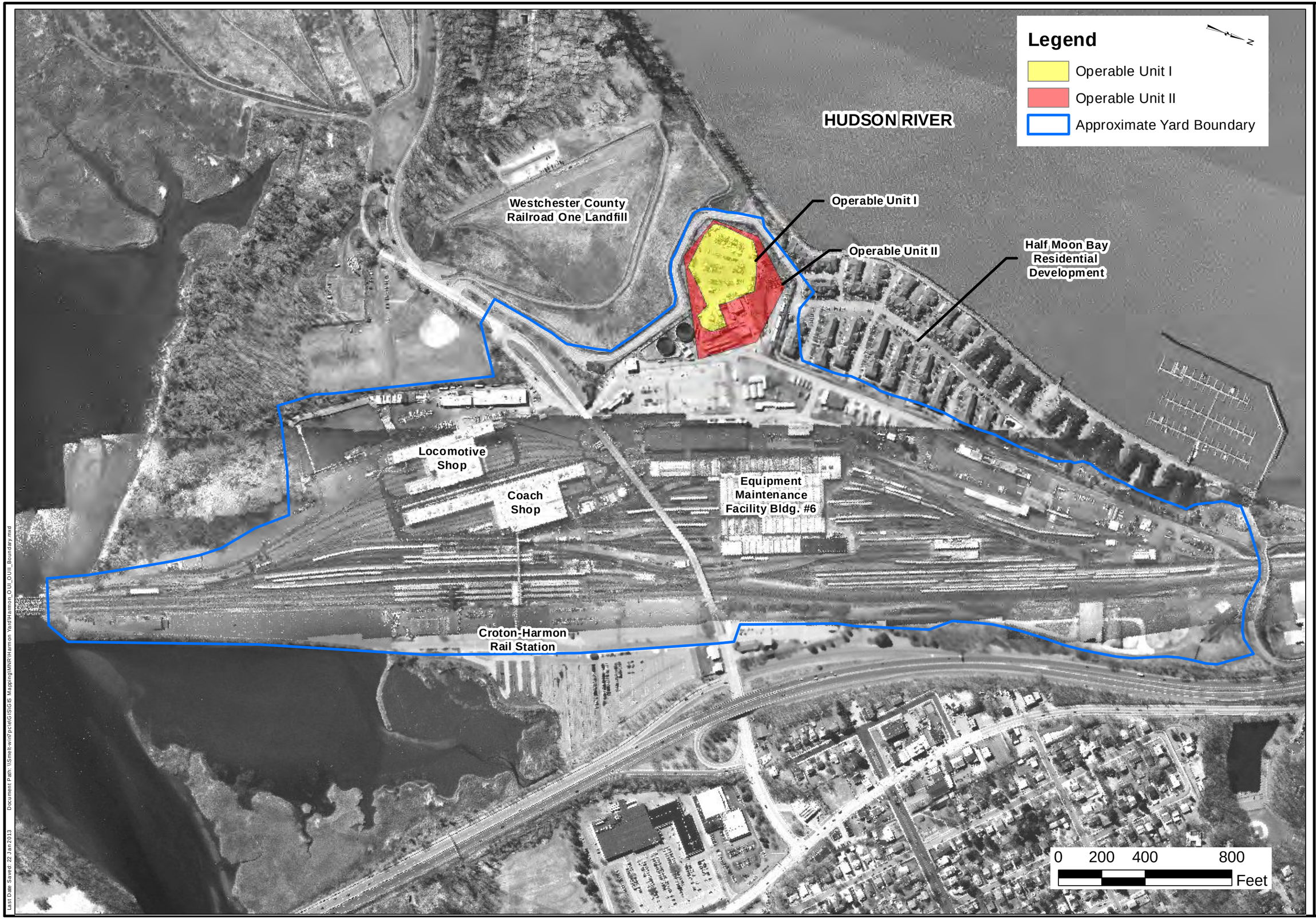
This Periodic Review Report (PRR) was prepared in accordance with the provisions of the document *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10). This report presents the first PRR for Harmon Waste Water Area, NYSDEC Site No. 360010 (the Site), and it presents a summary of the site management activities completed in the period between January 1, 2002 and January 1, 2013. This report includes the following elements:

- Site background information;
- identification of the remedial goals established for the Site;
- a description of the ICs and ECs for the Site;
- a review of monitoring protocols and results;
- a description of site monitoring activities, site inspections and groundwater monitoring; an evaluation of the remedy performance, effectiveness and protectiveness; and
- conclusions and recommendations based on the work completed to date.

I. Executive Summary

A. Site Conditions, Contamination and Remedial History

- The Site is located, at the Metro-North Railroad (MNR) Harmon Railroad Yard facility in the Village of Croton-on-Hudson, Town of Cortlandt, Westchester County, New York it consists of a former wastewater treatment equalization lagoon, and areas surrounding the lagoon (refer to the Project Locus Map included as Figure 1).
- In 1980, elevated concentrations of Polychlorinated Biphenyls (PCBs) were detected in the effluent discharge from the wastewater treatment plant at the MNR Harmon Railroad facility, and this effluent was conveyed to the wastewater equalization lagoon. As a result, the New York State Department of Environmental Conservation (NYSDEC) first placed the Site on the state registry of Inactive Hazardous Waste Disposal Sites (IHWDS) in 1985, and it was classified as a Class 2 IHWDS. The Class 2 IHWDS designation indicated that the Site was considered by the NYSDEC to "represent a significant threat to public health and/or the environment and that action is required". [Note: On January 14, 2013, the NYSDEC issued a letter stating, "The site is properly remediated and requires site management; therefore, it qualifies for Class 4 status on the Registry of Inactive Hazardous Waste disposal sites."]
- During the evaluation and remediation of the wastewater lagoon, non-aqueous phase liquid (NAPL) that primarily consists of fuel and lubricating oil, sometimes impacted with PCBs and other chemicals, was also found on the groundwater in proximity of the lagoon.
- The former wastewater treatment lagoon is identified as Operable Unit OU I and the NAPL areas surrounding the lagoon are identified as Operable Unit OU II. A Site Location Map that shows the location of OU I and OU II in relation to the MNR Harmon Yard, and adjacent properties/features is presented on the next page.



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RLK	01-2013
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SCALE	DATE ISSUED
AS NOTED	01-15-2013

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
METRO-NORTH RAILROAD
HARMON YARD
CROTON-ON-HUDSON, NEW YORK
NYSDEC SITE #360010

Drawing Title
Site Location Map

Project No.
10-3231M (46)

FIGURE 2

- MNR entered into Order on Consent #WP-163-85, Site No. 360010 (executed on September 8, 1988) and Stipulation of Discontinuance, Index Number 383-89 (recorded by the Albany County Clerk's Office on August 10, 1994), with the NYSDEC to remediate OU I and OU II.

- OU I was remediated under a Record of Decision (ROD) with the NYSDEC dated September 1992. The NYSDEC issued a separate ROD for OU II on March 16, 1998 to remediate four areas of NAPL that were encountered in locations surrounding OU I. The OU I remedy, which included the removal and offsite disposal of sludge and some underlying soil from the bottom of the lagoon, and the subsequent capping of the lagoon was completed in 1996. The remedy for the removal of NAPL from OU II was constructed in 2000 and 2001, and operation of this remedy commenced in 2002, and although alterations to the originally installed system have occurred, NAPL removal within OU II continued throughout the reporting period.

- Day Engineering, P. C. (DAY) on behalf of MNR, prepared a Site Management Plan (SMP), dated December 2011 (revised November 13, 2012). The SMP was approved by the NYSDEC and the site management requirements outlined in Section 6.3(b) of DER-10, and the SMP were implemented beginning on March 1, 2012.

- A Declaration of Covenants and Restrictions (DCR) dated June 12, 2012 was prepared for the Site and filed with the Westchester County Clerk's office in August 2012 (Control No. 201207190024800l002F). The purpose of the DCR is to notify future owners/operators of the Site of residual contamination, limit the use of the Site, and assure that the requirements of the SMP are implemented. A copy of the executed DCR is included in Attachment A.

B. Effectiveness of the Remedial Program

1. Progress made during the reporting period toward meeting the remedial objectives for the Site included the routine monitoring and repair of the OU I cover system, and the removal/disposal of NAPL collected from wells installed within OU II, and the monitoring of groundwater to document the effectiveness of the remedial efforts.

2. The work completed to date shows that the remedial program has the ability to achieve the remedial objectives for the Site.

C. Compliance

1. There are no areas of non-compliance with the SMP dated December 2011 (revised November 13, 2012).

2. No steps are required at this time to correct areas of non-compliance.

D. Recommendations

1. With the exception of the method in which recovered NAPL is handled, no changes to the SMP are recommended at this time. Specifically as described in Section VI. E of this PRR, it is recommended that recovered NAPL be placed in 55-gallon drums rather than a 500-gallon above ground storage tank (AST), and that each full drum be sampled and tested for PCBs to determine disposal requirements.

2. No change to the frequency for submittal of the PRR submittals is recommended at this time [i.e., as outlined in the SMP dated December 2011 (revised November 13, 2012), a PRR will be prepared and submitted every three years subsequent to this report with the next PRR to cover the reporting period between January 1, 2013 and January 1, 2016].

3. Since residual contamination remains at the Site, it is recommended that site management requirements be continued.

II. Site Overview

A. Site Location, Site Features and Nature and Extent of Contamination

The Site is identified as Section 78.20, Block 2 and Lot 2 on the Westchester County Tax Map. OU I (the former wastewater lagoon) comprises an area measuring 2.251 acres and OU II consists of four areas of NAPL (i.e., identified as NAPL areas L1, L2, L3, and L4) located around a remediated (former) wastewater lagoon (i.e., OU-I). OU II includes an area measuring 5.087 acres (inclusive of OU I). A Property Survey Map of the Site is included in Attachment A of this document. OU I and OU II are located in the northwest portion of the Harmon Railroad Yard and they are bound to the south by the Westchester County Railroad One Landfill, a closed and capped solid waste landfill, to the west by an access road to the Half Moon Bay residential development followed by the Hudson River, to the north by Half Moon Bay residential development and to the east by the remainder of the Harmon Railroad Yard**.**

Remedial Investigations (RI) were performed to characterize the nature and extent of contamination at the Site. The results of these studies are described in detail in the following reports:

- *Remedial Investigation Report, Harmon Lagoon* – Fred C. Hart Associates, Inc., November 27, 1989

- *Remedial Investigation / Feasibility Study Report, Harmon Railroad Yard Wastewater Treatment Area, Operable Unit II, NYSDEC Site No.: 3-60-010* – ERM-Northeast, January 24, 1997

The Harmon Lagoon RI determined that prior to remediation OU I consisted of the following:

- A wastewater lagoon that was estimated to contain approximately 3,757 tons of sludge. It was estimated that 214 tons of this sludge contained concentrations of PCBs in excess of 500 parts per million (ppm); 1,153 tons of this sludge contained PCB concentrations ranging between 50 and 500 ppm; and the remaining sludge had PCB concentrations less than 50 ppm.
- An estimated 3,750 tons of surface soil (i.e., extending to a depth of 2 feet bgs) around the perimeter of the lagoon contained PCB concentrations in excess of the approved cleanup level of 0.5 ppm and 5,100 tons of subsurface soil contained PCB concentrations in excess of 10 ppm.
- In addition, concentrations of several Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Metals detected in the sludge exceeded calculated cleanup levels. The VOCs included toluene, xylene, and ethylbenzene. The SVOCs included fluorene, dibenzofuran, naphthalene, phenanthrene, and 1,2-dichlorobenzene. Metals included aluminum, barium, cadmium, copper, iron, lead, manganese, and zinc.
- In addition to PCBs, surface soils and near-surface soils (i.e., up to two feet below ground surface) surrounding the lagoon contained concentrations of the SVOC 2-methylnapthalene and the metals cadmium, copper, and magnesium that exceeded calculated cleanup levels.
- Quantifiable levels (0.25 ppm) of PCBs were detected in the outdoor sludge drying beds at the Site.
- NAPL was detected in three of nine monitoring wells installed in proximity of the lagoon. The NAPL, identified as diesel fuel, was measured up to two-feet thick in one of the monitoring wells, and the NAPL in one groundwater sampling location also contained a PCB concentration of 104 ppm.

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The OU II RI determined that prior to remediation this area contained:

- NAPL, consisting of viscous, severely biodegraded diesel fuel containing varying concentrations of PCBs on the surface of the groundwater in four distinct locations surrounding OU I (i.e., identified as NAPL areas L1 through L4, refer to Figure 3). The depth to the top of the NAPL layer ranged from 5.5 feet bgs in NAPL area L4 to 19 feet bgs in NAPL area L1.
- NAPL area L1 was approximately 0.27 acres in size, had a maximum NAPL thickness of 2.5 feet and an estimated NAPL volume of 26,700 gallons. The maximum PCB concentration measured in NAPL area L1 was 7.2 ppm.
- NAPL area L2 was approximately 0.03 acres in size, had a maximum NAPL thickness of 1.35 feet and an estimated NAPL volume of 2,500 gallons. The maximum PCB concentration measured in NAPL area L2 was 19 ppm.
- NAPL area L3 was approximately 0.05 acres in size, had a maximum NAPL thickness of 1.3 feet and an estimated NAPL volume of 4,900 gallons. The maximum PCB concentration measured in NAPL area L3 was 3.6 ppm.
- NAPL area L4 was approximately 0.61 acres in size, had a maximum NAPL thickness of 3.7 feet and an estimated NAPL volume of 118,500 gallons. The maximum PCB concentration measured in NAPL area L4 was 119 ppm.
- Most VOC and SVOC concentrations detected in groundwater samples collected from 10 groundwater monitoring wells (8 shallow, 2 deep) evaluated during the RI were at levels below groundwater standards. Only the VOC chlorobenzene, which was detected in two samples at concentrations up to 62 parts per billion (ppb), exceeded the applicable groundwater standards. No PCBs or pesticides were detected in any of the groundwater samples. The metals arsenic, chromium, copper and lead were detected in groundwater samples at concentrations above groundwater standards. Groundwater flow was reported to be primarily to the northwest across OU-II.

B. Chronology

OU-I was remediated in accordance with a NYSDEC-approved Remedial Design/Remedial Action Work Plan, dated June 23, 1993 and a Proposed Remedial Approach, Former Lagoon Area, dated March 8, 1994. The remediation of OU II was conducted in accordance with the provisions outlined in a document titled *Engineer's Report Operable Unit II Remedial Design* dated February 17, 2000 prepared by ERM-Northeast and subsequent revisions based on pilot testing and additional evaluation. A chronology of Remedial Actions performed at the Site is presented below.

- The NYSDEC first placed the Site on the state registry of Inactive Hazardous Waste Disposal Sites in 1985 and designated the Site as a Class 2 site that represented a significant threat to public health and/or the environment that required remedial action.

- MNR entered into Order on Consent #WP-163-85, Site No. 360010 (executed on September 8, 1988) and Stipulation of Discontinuance, Index Number 383-89 (recorded by the Albany County Clerk's Office on August 10, 1994), with the NYSDEC to remediate the Site.

- OU I was remediated under a ROD with the NYSDEC dated September 1992. The NYSDEC issued a separate ROD for OU II on March 16, 1998 to remediate four areas of NAPL that were encountered in locations surrounding OU I.

- The OU I remedy was completed in 1996 and the OU II remedy was constructed in 2000 and 2001, and operation of this remedy commenced in 2002, and although alterations to the originally installed system have occurred, NAPL removal from OU II continued throughout the reporting period.

- A SMP, dated December 2011 (revised November 13, 2012), was prepared for the Site. The SMP was approved by the NYSDEC and the site management requirements outlined in Section 6.3(b) of DER-10, and the SMP were implemented beginning on March 1, 2012

- A Declaration of Covenants and Restrictions dated June 12, 2012 was prepared for the Site and filed with the Westchester County Clerk's office in August 2012 (Control No. 201207190024800 1002F).

The OU I remedy included the following components:

- The decommissioning and demolition of the former wastewater treatment plant located east of the lagoon.
- The installation of permanent sheeting around the lagoon perimeter to a depth approximately three feet into the water table.
- The removal and disposal of water and approximately 6,000 cubic yards of sludge from the lagoon.
- The removal of approximately 5,000 cubic yards of soil located immediately beneath the lagoon.
- The installation of a final cover system consisting of two impermeable layers of 40-mil high-density polyethylene (HDPE) covered with a geocomposite drainage net, clean backfill and an asphalt cover.
- The installation of a system of manholes and pipes to direct storm water to a riprap-lined drainage channel located immediately north of the asphalt cover.
- The installation of four-air inlet and vapor extraction well clusters within the former lagoon footprint as a contingency measure.

During inspections of the OU I remedy conducted in 2003, differential settlement was noted within portions of the former lagoon resulting in an area of ponded water. In response to this finding, DAY designed and implemented the construction of an additional catch basin and piping system in 2004 and 2005 to allow this water to drain from the cap. These modifications did not disturb the original cap system, and they were effective in removing water that collected on the cap.

The initial OU II remedy included the following components:

- The placement of at least two feet of environmentally clean soil or asphalt over the OU II Area.
- Installation and operation of a Vacuum Enhanced NAPL Recovery System consisting of:
  - 28 vapor extraction wells
  - 50 air inlet wells; and
  - Three vapor extraction treatment units. [Note: NAPL Areas L1 and L2 utilized a combined treatment unit and the other two areas utilized a dedicated vapor extraction treatment unit.]

The Vacuum Enhanced NAPL Recovery System operated between 2002 and 2008 (NAPL Areas L1 and L2) and 2009 (NAPL Areas L3 and L4) when it was determined the system had stimulated biodegradation of contaminants, and removed NAPL-related vapors (i.e., volatilization), and removed NAPL to the extent practicable. Therefore it was determined that alternative methods were appropriate to remove additional NAPL. These alternative methods included the installation of a product recovery well RW-1 in the NAPL Area L4, fitted with a product skimmer device in

2005 to augment the NAPL recovery efforts. Following the decommissioning of the Vacuum Enhanced NAPL Recovery System, NAPL has been routinely removed from the select wells utilizing a combination of product-only removal equipment, bailers, and passive NAPL recovery devices. In conjunction with the decommissioning of the Vacuum Enhanced NAPL Recovery System, monitoring/NAPL treatment wells (e.g., vapor extraction, air inlet wells, etc.) that historically did not contain NAPL were decommissioned (refer to Section V. B. of this PRR).

The cleanup goals for the Site are to remove NAPL to the extent practicable, prevent further off-site migration of NAPL, prevent ingestion/direct contact with contaminated subsurface soils, prevent exposure to onsite groundwater, the migration of contaminated groundwater off-site, and prevent exposure to contaminants volatizing from contaminated soil. Generally, remedial processes are considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

The OU I remedy eliminated the source of the original contamination with the decommissioning and demolition of the wastewater treatment plant, the excavation/disposal of contaminated sludge and soil, and the closure of the former equalization lagoon with a permanent cap system. The effectiveness of this remedy is evaluated by the completion of bi-annual inspections of the cover system, quarterly NAPL thickness, and bi-annual groundwater monitoring. Copies of the bi-annual inspection reports completed on March 27, 2012 and September 10, 2012 are included in Attachment B. [Note: As required per the SMP following a severe weather event, an inspection was also completed on November 2, 2012 (i.e., subsequent to hurricane Sandy, which occurred in late October 2012). A copy of the inspection completed on November 2, 2012 is also included in Attachment B.] The results of the NAPL thickness and groundwater monitoring are discussed below.

- In addition to the placement at least two feet of environmentally clean soil or asphalt within the OU II area, the remedy for OU II included in-situ treatment to enhance biodegradation, volatilize vapors associated with NAPL, and remove of NAPL from four areas surrounding the closed lagoon. The effectiveness of the bioaugmentation and volatilization was evaluated by measurement of carbon dioxide and oxygen levels and by measurement with a photoionization detector (PID). These measurements indicated that within the first year of operation the Vacuum Enhanced NAPL Recovery System resulted in low carbon dioxide levels and elevated oxygen levels coupled with low PID readings. This suggests that constituents amenable to biodegradation were removed at this time, and subsequent remedial actions within OU II should focus on NAPL removal. The effectiveness of this removal effort, which continued throughout the reporting period, is monitored by the completion of the bi-annual inspection reports discussed above, the measurement of NAPL thicknesses within monitoring wells, and the sampling/testing of groundwater samples. Since the implementation of the OU II remedy in 2002, approximately 6,903 gallons of NAPL have been recovered and disposed. Approximately 98% of the recovered NAPL was removed from wells within NAPL Area L4. The remedy has also resulted in a decrease in the reported PCB concentrations in the recovered NAPL. Specifically, PCB concentrations greater than 50 ppm, which is the level that characterized this material as a New York State hazardous waste, have not been detected in samples of the removed NAPL since 2002. The NAPL removal efforts conducted since 2002 have reduced, or eliminated, NAPL thicknesses within wells in each of the NAPL areas. The testing of groundwater samples collected as part of the long-term monitoring program for the Site documents that contaminants of concern (COCs) identified for the Site (i.e., STARS/CP-51 List volatile organic compounds plus chlorobenzene, STARS/CP-51 List semi-volatile organic compounds plus 2-methylnaphthalene, PCBs, and the metals arsenic, chromium, copper and lead) have not adversely impacted groundwater quality. The following document the effectiveness of the OU II remedy.

  - A table summarizing the PCB concentrations measured in samples of NAPL removed from the OU II area, and copies of analytical laboratory reports for samples of the removed NAPL that were tested, are included in Attachment C.

- Disposal documentation for the NAPL removed from OU II is included in Attachment D.

- Quarterly NAPL thickness measurements made in 2012 are summarized on Figure 4.

- NAPL removal totals for 2012 in NAPL Areas L1 through L4 are summarized in Tables 1a through 1d, respectively.

- Historic NAPL thickness measurements collected throughout the reporting period in representative wells within each NAPL area, and calculated trend lines showing decreasing NAPL thicknesses with time are shown on Figure 5 through Figure 8c.

- The results of the groundwater monitoring completed at the Site are discussed in Section V of this PRR.

IV. IC/EC Compliance Report

A. IC/EC Compliance Report

1. A description of each control, its objective, and how performance of the control is evaluated is provided below:

   - Site Management Plan: The objective of the SMP is to manage remaining contamination present at the Site that is above regulatory criteria in a manner that is protective of human health and the environment. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, a Site Monitoring Plan and an Operation and Maintenance Plan. The performance of the controls outlined in the above plans is evaluated through monitoring and periodic certification. Controls on the Site include:

     - Construction of a cover system over the former equalization lagoon to eliminate direct contact and preclude discharge of remaining contamination into the groundwater;
     - Installation of fencing surrounding the Site and restricting access to the Site to authorized personnel, which limits access to possible contamination and prevents vandalism/damage to the completed remedies;
     - Placement of a minimum of 2 feet of clean soil or asphalt throughout the OU II area to provide a barrier to potentially contaminated subsurface materials;
     - Restricting the use of groundwater underlying the Site without treatment rendering it safe for its intended use to prevent the ingestion of contamination;
     - Prohibiting vegetable gardens and farming on the Site to prevent ingestion of contaminants present in the subsurface;
     - Completing regular monitoring to document the continued removal of NAPL and assure groundwater quality is not impacted by NAPL or associated contaminants; and
     - Implementing the specific requirements outlined in the SMP including the provisions of the IC/EC Plan (including the Excavation Work Plan, Soil Vapor Intrusion Evaluation, and Contingency Plan), Site Monitoring Plan, and Operation and Maintenance Plan to assure the provisions described in these documents are followed.

   - Declaration of Covenants and Restrictions (DCR): This document was filed to provide an enforceable legal instrument to ensure compliance with the SMP including the ICs and ECs placed on the Site.

2. Status:

   Each control is fully in place, is being adhered to, and is effective in achieving its intended purpose.

3. Corrective Measures:

   None required at this time.

4. Conclusions and Recommendations for Changes:

   No changes to the controls being implemented at the Site are recommended at this time.

B. IC/EC Certification

Executed copies of the certification documents are included in Attachment E.

V. Monitoring Plan Compliance Report

A. Components

- Site-Wide Inspections: Bi-annual inspections are completed to observe and document the condition of the cover system installed at OU I and OU II, the condition of monitoring wells, the condition of drainage channels, compliance with ICs, the effectiveness of ECs, and to assure that adequate records are maintained. Site-wide inspections are also performed after all severe weather events that have the potential to affect ECs and monitoring wells.

- Groundwater Monitoring Plan: Groundwater monitoring is completed weekly in select monitoring/NAPL collection wells (i.e., at a minimum RW-1, VE4-5, AI4-8, AI4-10 and AI4-14), and quarterly within the other monitoring/NAPL collection wells installed at the Site (refer to Figure 3). The purpose of this monitoring is to measure NAPL thicknesses and the depth to groundwater, and, depending on the amount encountered, to remove NAPL. In addition, groundwater samples are collected bi-annually for analytical laboratory testing from monitoring wells DAY-1, VE4-11, VE3-1, VE2-1, VE1-2, and VE1-4. This plan also covers, monitoring well repairs, replacement, and decommissioning.

B. Summary of the Monitoring Completed

- Site-Wide Inspections: Bi-annual inspections were completed on March 27, 2012 and September 10, 2012, and an inspection was also completed on November 2, 2012 following a severe weather event caused by hurricane Sandy in late October 2012. Copies of these inspection reports are included in Attachment B. As shown in these inspection reports, only relatively minor corrective actions (e.g., filling cracks in the asphalt cap, removing weeds from the side slope of the cap system, cleaning and removal of the 500-gallon NAPL collection tank, etc.) were deemed necessary, and the ICs and ECs were found to be functioning properly. [Note: Prior to the implementation of the SMP, inspections were completed on a routine basis (i.e., typically bi-annually) to observe the condition of the remedies implemented and to identify corrective actions. Copies of these inspection reports are not included in this document, but are available upon request. The corrective actions identified in these inspection reports generally included maintenance issues such as the cleaning of drainage ways and the removal of vegetation deemed detrimental to the cap (e.g., seedlings and small trees). Other than the accumulation of water on the OU I cap in a localized area, which was corrected by the construction of an additional catch basin and piping in 2004 and 2005 (refer to Section II. B. of this PRR), no conditions that had the potential to adversely affect the remedies for the Site were identified.]

- Groundwater Monitoring Plan: The results of the groundwater monitoring conducted within the reporting period are summarized in the following:

  - Copies of the weekly and quarterly NAPL thickness, groundwater level and NAPL removal logs completed for monitoring conducted during 2012 are included in Attachment F. [Note: Monitoring and NAPL removal was completed on a regular basis throughout the reporting period (i.e., January 1, 2002 through January 1, 2013), however copies of the logs prepared prior to January 1, 2012 are not presented in this document. This information is available upon request.]

  - The amount of NAPL removed from monitoring/NAPL collection wells during 2012 is presented on Figure 4.

  - Historic NAPL thicknesses measured in select monitoring/NAPL collection wells throughout the reporting period, and trend lines showing a general decrease in the thickness of the NAPL, are included as Figure 5 through Figure 8c.

  - Tables 1a through 1d summarize the amount of NAPL removed in 2012 from each of the NAPL removal areas in OU II (i.e., NAPL Area L1, NAPL Area L2, NAPL Area L3 and NAPL Area L4, respectively).

  - Groundwater elevations measured during 2012 in monitoring wells within NAPL Area 1 through NAPL Area L4 are included in Tables 2a through 2d, respectively.

  - Groundwater contour maps prepared based on groundwater elevation data collected for the dates August 14, 2012 and October 16, 2012 are included in Attachment G.

  - Copies of the analytical laboratory reports for groundwater samples collected from monitoring/NAPL collection wells during the reporting period are included in Attachment H.

  - The analytical laboratory results of groundwater samples collected on March 27, 2012 and September 12, 2012 are summarized on the following tables:
    - Table 3: Summary of Volatile Organic Compounds
    - Table 4: Summary of Semi-Volatile Organic Compounds
    - Table 5: Summary of Polychlorinated Biphenyls
    - Table 6: Summary of Tested Metals

  Note: The analytical laboratory test results for the samples collected on March 27, 2012 and September 12, 2012 were submitted to the NYSDEC EIMS Team via NYENVDATA in an EQUIS EDD format, and these data were deemed complete and final acceptance is pending.

  - The results of the analytical laboratory testing conducted on the samples collected on March 27, 2012 and September 12, 2012 are depicted on the spider diagram included as Figure 9.

  - In accordance with the provisions outlined in a letter from the NYSDEC dated June 10, 2011, monitoring wells at the Site that were documented to be free of NAPL for at least the preceding five years were decommissioned between July 7, 2011 and July 11, 2011. These wells include: AI1-2, AI1-3, AI1-5, AI1-6, AI1-7, AI1-9, AI1-10, AI1-10, AI1-13, AI1-14, VE1-5, VE1-6, VE1-7, VE1-8, VE1-9, VE1-10, AI2-1, AI3-1, AI3-2, AI3-3, VE3-2, FA4-1, FA4-2, FA4-3, FA4-4, FA4-5, FA4-6, FA4-7, FA4-22, FA4-24, FA4-25,

VE4-2, VE4-3, and VE4-4. Copies of the June 10, 2011 letter from the NYSDEC, and the well decommissioning logs prepared by Miller Environmental Group (the contractor retained to decommission the wells) are included in Attachment I.

C. Comparison with Remedial Objectives

- Site-Wide Inspections: The results of the site-wide inspections completed indicate that remedial objectives were achieved. Specifically, the site-wide inspections revealed that the cover system is intact and functioning as designed to eliminate direct contact and prevent discharge of the remaining contamination into the groundwater. Further, fencing is in place and access to the Site is restricted to authorized personnel only, groundwater is not being ingested, vegetable gardens and farming are not conducted at the Site, and ICs and ECs are in place/functioning as intended.

- Groundwater Monitoring Plan: As shown on Figure 5 through Figure 8c, NAPL thicknesses have decreased within each of the NAPL Areas L1 through L4 during the reporting period, and analytical laboratory results indicate that the concentrations detected are below applicable regulatory guidance values. As such, the remedial objectives to remove NAPL to the extent practicable prevent further migration of NAPL and contaminated groundwater are being achieved.

D. Monitoring Deficiencies

There are no monitoring deficiencies.

E. Conclusions and Recommendations for Changes

- Site-Wide Inspections: The site-wide inspections confirmed that the remedial systems/actions for the Site are functioning properly, and effective in achieving their intended objectives. No changes to the site-wide inspection process or changes to the remedial actions based upon the inspections completed are recommended at this time.

- Groundwater Monitoring Plan: The groundwater monitoring completed to date indicates that the remedial actions implemented at the Site have been effective in achieving the remedial objectives identified, and no changes are recommended at this time.

VI. Operation & Maintenance (O&M) Plan Compliance Report

A. Components of the O & M Plan

The Vacuum Enhanced NAPL Recovery System operated between 2002 and 2008 (NAPL Areas L1 and L2) and 2009 (NAPL Areas L3 and L4), and it has been decommissioned. NAPL is currently removed using a combination of automated product only recovery devices (i.e., Magnum Spill Buster™ at NAPL collection well RW-1), a portable product only recovery device (i.e., Magnum Spill Buddy Pro™), bailers designed to collect product in select wells that routinely contain more than 0.5 feet of NAPL), and NAPL Recovery Devices (NRDs-passive NAPL collection devices constructed of oil sorbent material) placed in wells that routinely contain between 0.01 feet and 0.5 feet of NAPL. Currently, the NAPL collected is placed in 55-gallon drums, which are stored within a waste accumulation area. When drums are full they are sampled and tested for PCBs via USEPA Method 8082, and assuming that PCB concentrations are less than 50 ppm the oil is transported off-site for disposal as a petroleum waste. Should PCB concentrations exceed 50 ppm the drum would be disposed as a hazardous waste. NRDs removed from monitoring/NAPL collection wells are also placed in 55-gallon drums located in the waste accumulation area (i.e., separate from the NAPL accumulation drums).

B. Summary of O & M Completed During the Reporting Period

The Vacuum Enhanced NAPL Recovery System operated between 2002 and 2008 (NAPL Areas L1 and L2) and 2009 (NAPL Areas L3 and L4), and the operation of this system has been discussed elsewhere in this report. The current components of the O&M Plan (NAPL removal via product recovery devices, bailers and NRDs) started prior to the decommissioning of the Vacuum Enhanced NAPL Recovery System and it continued throughout the reporting period. Since 2002, approximately 6,903 gallons have been removed from the Site. In 2012, 234 gallons of NAPL was removed from the Site.

C. Evaluation of the Remedial Systems

The methods currently used to remove NAPL from the Site are effective and they are functioning as designed/expected.

D. O&M Deficiencies

No deficiencies were identified in complying with the O&M plan during the reporting period.

E. Conclusions and Recommendations for Improvements

Overall the O&M activities at the Site satisfactorily addressed their intended remedial function. However, the SMP indicated that NAPL removed would be placed in either a 500-gallon aboveground storage tank (AST) or one of two 55-gallon drums connected in series. NAPL is no longer placed in a 500-gallon AST (i.e., the AST was cleaned and removed from the Site in April 2012), rather all NAPL collected is currently placed within 55-gallon drums. In addition, the SMP indicated that samples would be collected at a rate of one sample per quarter or every 100 gallons of NAPL recovered, whichever is less frequent, and submitted for PCB testing. This process has been modified, such that samples are collected from each full 55-gallon drum of NAPL recovered. If less than 55 gallons is collected in a quarter, no samples are collected (i.e., samples of NAPL, or NRDs, are only collected from full 55-gallon drums).

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

The requirements identified in the SMP for the Site were met during the reporting period, and with the exception of the NAPL management modifications discussed in Section VI. Part E. of this PRR, no modifications are required to bring the plan into compliance.

B. Performance and Effectiveness of the Remedy

An evaluation of the components of the SMP during the reporting period indicated that: the IC/EC controls were protective of human health and the environment, the monitoring plan sufficiently monitored the performance of the remedies implemented, the O&M Plan adequately addressed the on-going removal of NAPL, and the remedial program is achieving the remedial goals identified for the Site.

C. Future PRR Submittals

1. It is recommended that the frequency of future PRRs remain as identified in the SMP (i.e., submitted every three years subsequent to this report, such that the next PRR covers the reporting period January 1, 2013 through January 1, 2016).

2. The requirements for site closure have not been achieved. As such, it is recommended that site management continue.

Figures:

Figure 1 –Project Locus Map
Figure 2 – OUI and OUII Site Location Map
Figure 3 –Site Plan with NAPL Recovery Areas and Long-Term Monitoring Wells
Figure 4 – Summary of NAPL Removal for the Quarters March-May 2012, June-August 2012, and September-November 2012
Figure 5 – OU II NAPL Area L1 NAPL Thickness measurements 2002-2012
Figure 6 – OU II NAPL Area L2 NAPL Thickness measurements 2002-2012
Figure 7 – OU II NAPL Area L3 NAPL Thickness measurements 2002-2012
Figure 8a – OU II NAPL Area L4 (West) NAPL Thickness measurements 2002-2012
Figure 8b – OU II NAPL Area L4 (Central) NAPL Thickness measurements 2002-2012
Figure 8c – OU II NAPL Area L4 (East) NAPL Thickness measurements 2002-2012
Figure 9 – Summary of Long-Term Monitoring Results for Samples Collected March27/28, 2012 and September 11/12, 2012

Tables

Table 1a – Summary of NAPL Removal in 2012: NAPL Area L1
Table 1b – Summary of NAPL Removal in 2012: NAPL Area L2
Table 1c – Summary of NAPL Removal in 2012: NAPL Area L3
Table 1d – Summary of NAPL Removal in 2012: NAPL Area L4
Table 2a – Groundwater Elevations, NAPL Area L1 Monitoring Wells: 2012
Table 2b – Groundwater Elevations, NAPL Area L2 Monitoring Wells: 2012
Table 2c – Groundwater Elevations, NAPL Area L3 Monitoring Wells: 2012
Table 2d – Groundwater Elevations, NAPL Area L4 Monitoring Wells: 2012
Table 3 – Summary of Volatile Organic Compounds
Table 4 – Summary of Semi-Volatile Organic Compounds
Table 5 – Summary of Polychlorinated Biphenyls (PCBs)
Table 6 – Summary of Tested Metals
Table 7 – Summary of Waste Characterization Testing for PCBs – Recovered NAPL Samples

Attachments

Attachment A – Declaration of Covenants and Restrictions with Property Survey Map
Attachment B – Inspection Reports
Attachment C – PCB Test Results for Recovered NAPL
Attachment D – NAPL Disposal Documentation
Attachment E – Engineering Control and Institutional Control Certification Forms
Attachment F – NAPL Thickness, Groundwater, and NAPL Removal Logs: 2012
Attachment G – Groundwater Contour Maps: Quarter 2 and Quarter 3, 2012
Attachment H – Analytical Laboratory Reports: Groundwater Samples
Attachment I – Vacuum Enhanced Vapor Recovery Well Decommissioning Logs and NYSDEC Approval Letter Dated June 10, 2011

FIGURES

Last Date Saved: 17 Jan 2013 Document Path: \\Smelt-win7pc\e\GIS\Aerial Locus Maps\MNR\Harmon Yard - PRR Locus Map.mxd



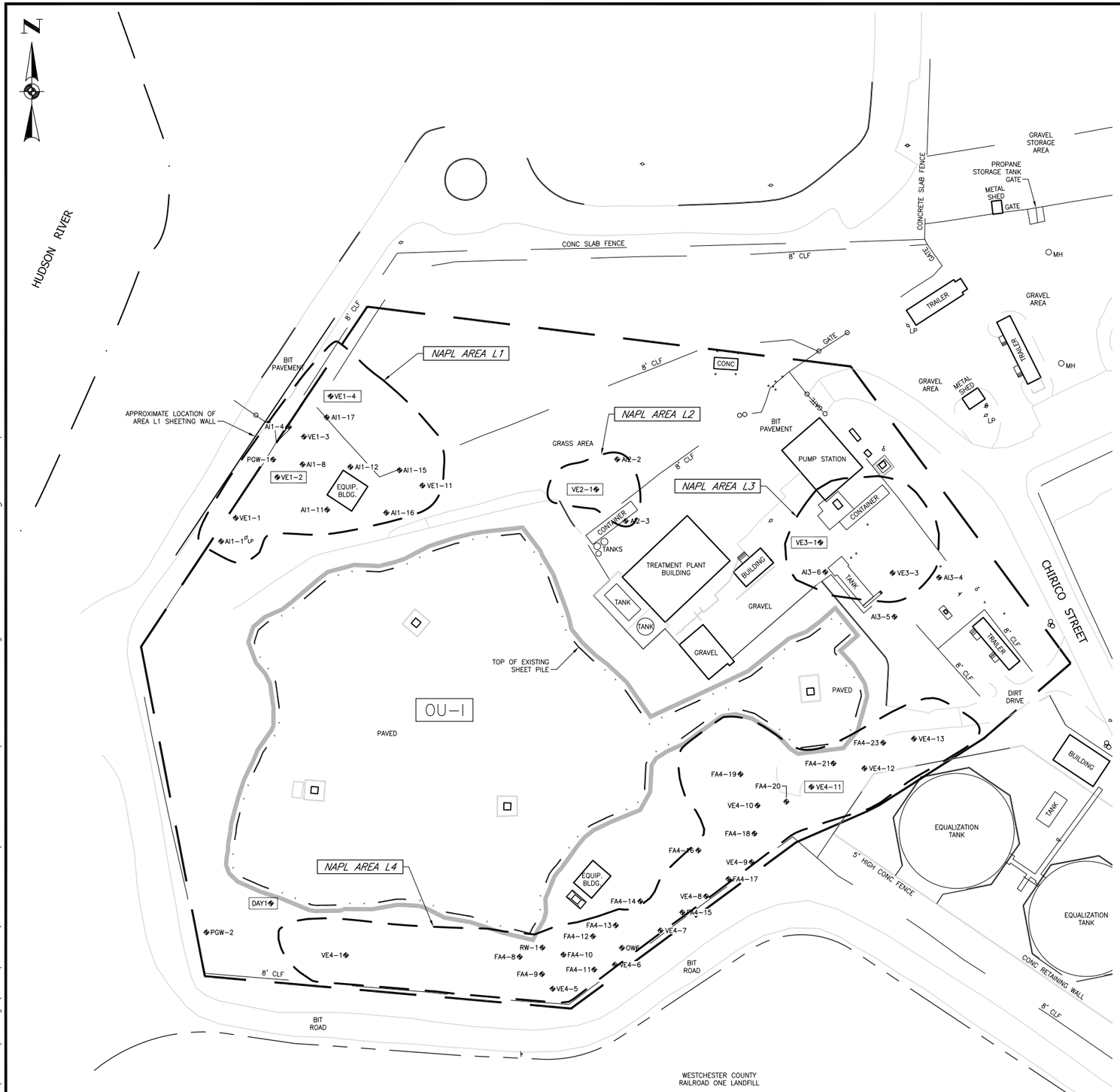
NOTE:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Haverstraw, NY, dated 2010.

Site Coordinates are in Decimal Degrees:

73° 53' 9.72" W 41° 11' 28.64" N

Date: 01-15-2012	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14614-1008** **New York, New York 10016-0710**	Project Title: METRO-NORTH RAILROAD HARMON YARD CROTON-ON-HUDSON, NEW YORK NYSDEC SITE #360010	Project No. 10-3231M (46)
Drawn By: CAH		Drawing Title: Project Locus Map	FIGURE 1
Scale: AS NOTED			



SITE PLAN
1" = 80'

NOTES:

1. This drawing was prepared from a CAD base file provided by others, from a drawing by ERM, entitled "EXISTING SITE PLAN AND SURVEY CONROL" sheet No. C-1 dated 7/31/00 and from a drawing by ERM, "SITE PLAN WITH LOCATIONS OF PROPOSED WELLS AND SHEET PILING", sheet No. C-2, dated 7/31/00.
2. Operable Unit II (OU-II) remedy well locations were determined from coordinate values listed on the ERM drawings identified in note No. 1, or by reference to site features (e.g., DAY-1, RW-1, etc...)

LEGEND:

- VE1-3 — Former Vapor Extraction (VE), Air Inlet (AI), Forced Air Injection (FA), Existing Monitoring Well Or Product Recovery Well (RW) and Designation
- VE1-2 — Long-Term Monitoring Well
- Approximate Location Of Sheet Pile Wall Around Remediated Former Lagoon Area (OU-I)
- Extent Of OU-I Final Cover System
- OU-II Boundary
- OU-I Contingency Vapor Extraction System Wells
- NAPL Area Boundary

0' 80' 160' 240'

PROJECT MANAGER	RLK
DATE	01-2013
DRAWN BY	RJM/Tw/CPS
DATE DRAWN	01-2013
SCALE	As Noted
DATE ISSUED	01-17-2013

DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10016-0710

PROJECT TITLE
METRO-NORTH RAILROAD
HARMON YARD OPERABLE UNITS OU-I AND OU-II
CROTON-ON-HUDSON, NEW YORK
NYSDEC SITE #360010

DRAWING TITLE
Site Plan with NAPL Recovery Areas and Long-Term Monitoring Wells

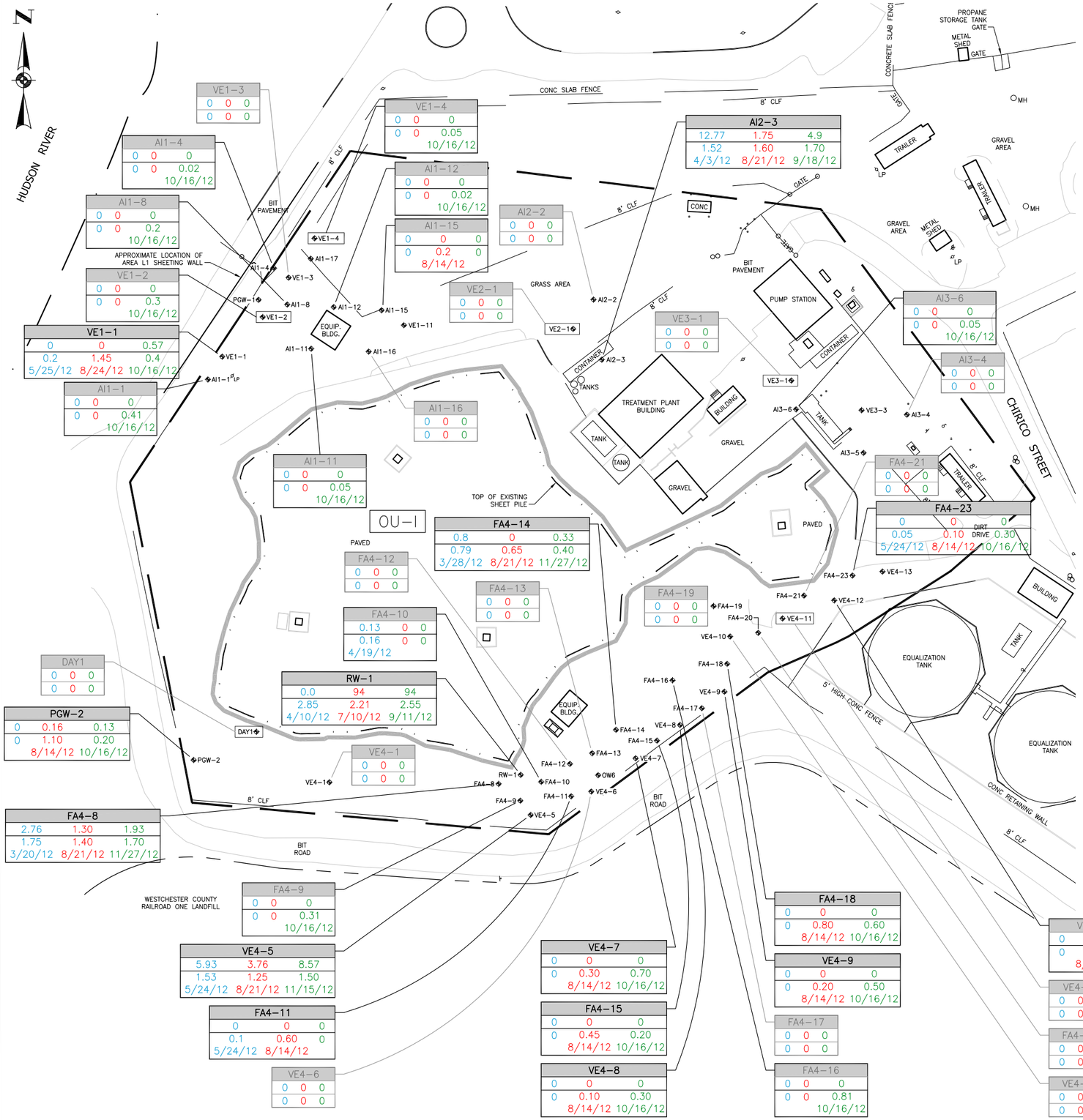
PROJECT NO.
10-3231M (46)

FIGURE 3

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Ref2:
Ref3:

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NOTES:

1. This drawing was prepared from a CAD base file provided by others, from a drawing by ERM, entitled "EXISTING SITE PLAN AND SURVEY CONROL" sheet No. C-1 dated 7/31/00 and from a drawing by ERM, "SITE PLAN WITH LOCATIONS OF PROPOSED WELLS AND SHEET PILING", sheet No. C-2, dated 7/31/00.
2. Operable Unit II (OU-II) remedy well locations were determined from coordinate values listed on the ERM drawings identified in note No. 1, or by reference to site features (e.g., DAY-1, RW-1, etc...)
3. NAPL is removed from RW-1 using a Spill Buster product removal pump and placed within 55-gallon drums. NAPL was removed from RW-1 during the report period March 1, 2012 through May 31, 2012, but the amount of NAPL placed within the 55-gallon drums was not recorded. As such, the NAPL removed in the report period June 1, 2012 through August 31, 2012 also includes NAPL removed during the preceeding report period.

LEGEND:

- VE1-3 — Former Vapor Extraction (VE), Air Inlet (AI), Forced Air Injection (FA), Existing Monitoring Well Or Product Recovery Well (RW) and Designation
- VE1-2 — Long-Term Monitoring Well
- Approximate Location Of Sheet Pile Wall Around Remediated Former Lagoon Area (OU-I)
- Extent Of OU-I Final Cover System
- OU-II Boundary
- OU-I Contingency Vapor Extraction System Wells
- FA4-8 (2.76 1.30 1.93 / 1.75 1.40 1.70 / 3/20/12 8/21/12 11/27/12) — Long-Term Monitoring Well Identification; NAPL Removed (Gallons) During Quarter; Maximum NAPL Thickness (Feet) Measured During Quarter With Date Of Measurement

Measurements Made During The Report Period March 1, 2012 Through May 31, 2012 Shown In Blue

Measurements Made During The Report Period June 1, 2012 Through August 31, 2012 Shown In Red

Measurements Made During The Report Period September 1, 2012 Through November 30, 2012 Shown In Green

SITE PLAN
1" = 80'

PROJECT MANAGER	CAH
DRAWN BY	RJM
SCALE	As Noted
DATE	12-2012
DATE DRAWN	12-21-2012
DATE ISSUED	1-17-2013

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

PROJECT TITLE
METRO-NORTH RAILROAD
HARMON YARD OPERABLE UNITS OU-I AND OU-II
CROTON-ON-HUDSON, NEW YORK
NYSDEC SITE #360010

DRAWING TITLE
Summary Of NAPL Removal For The Quarters March - May 2012, June - August 2012, and September - November 2012

PROJECT NO.
10-3231M (46)

FIGURE 4

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Ref3:

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Figure 5
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Area L1
NAPL Thickness Measurements 2002-2012

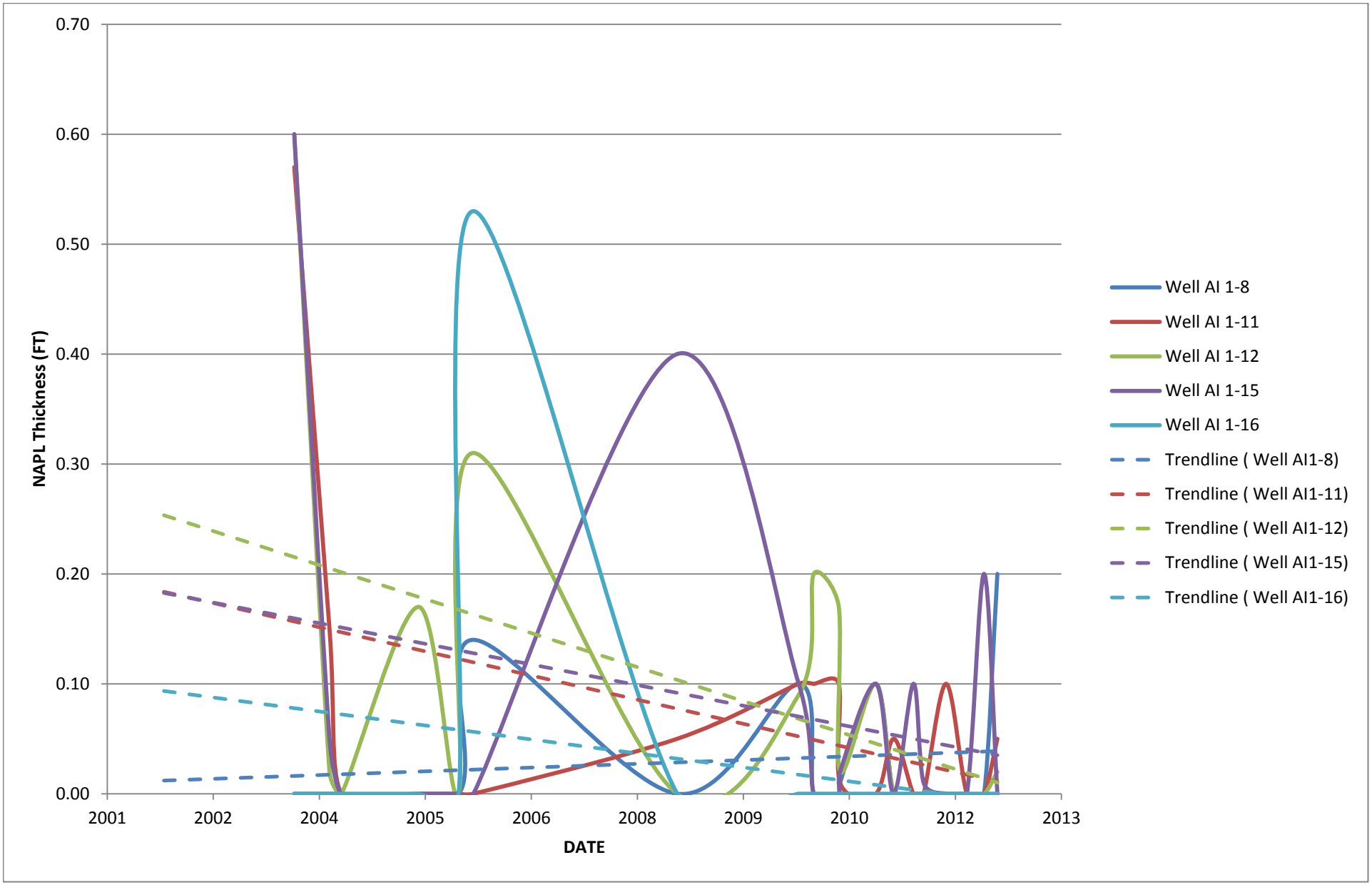


Figure 6
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Area L2
NAPL Thickness Measurements 2002-2012

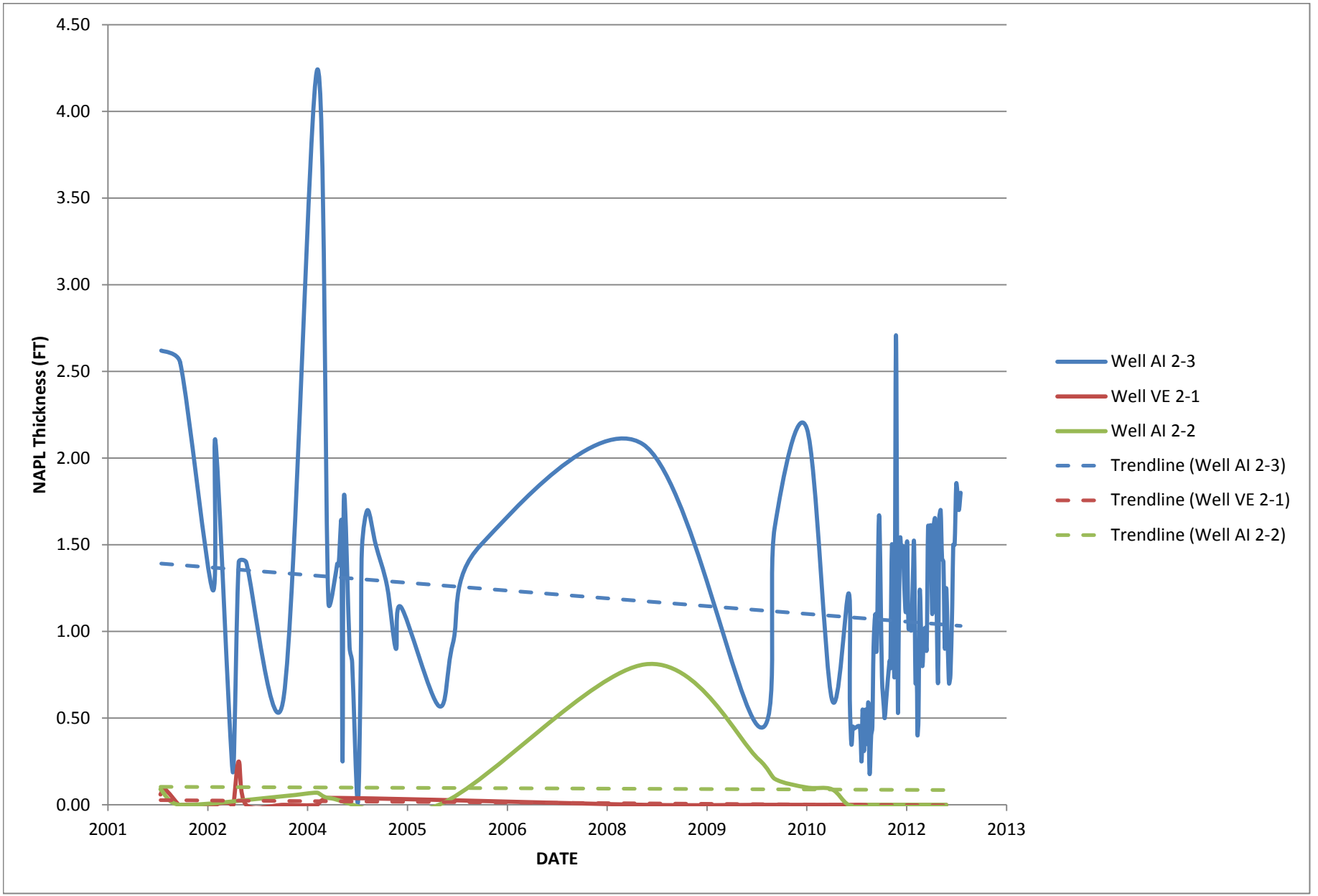


Figure 7
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Area L3
NAPL Thickness Measurements 2002-2012

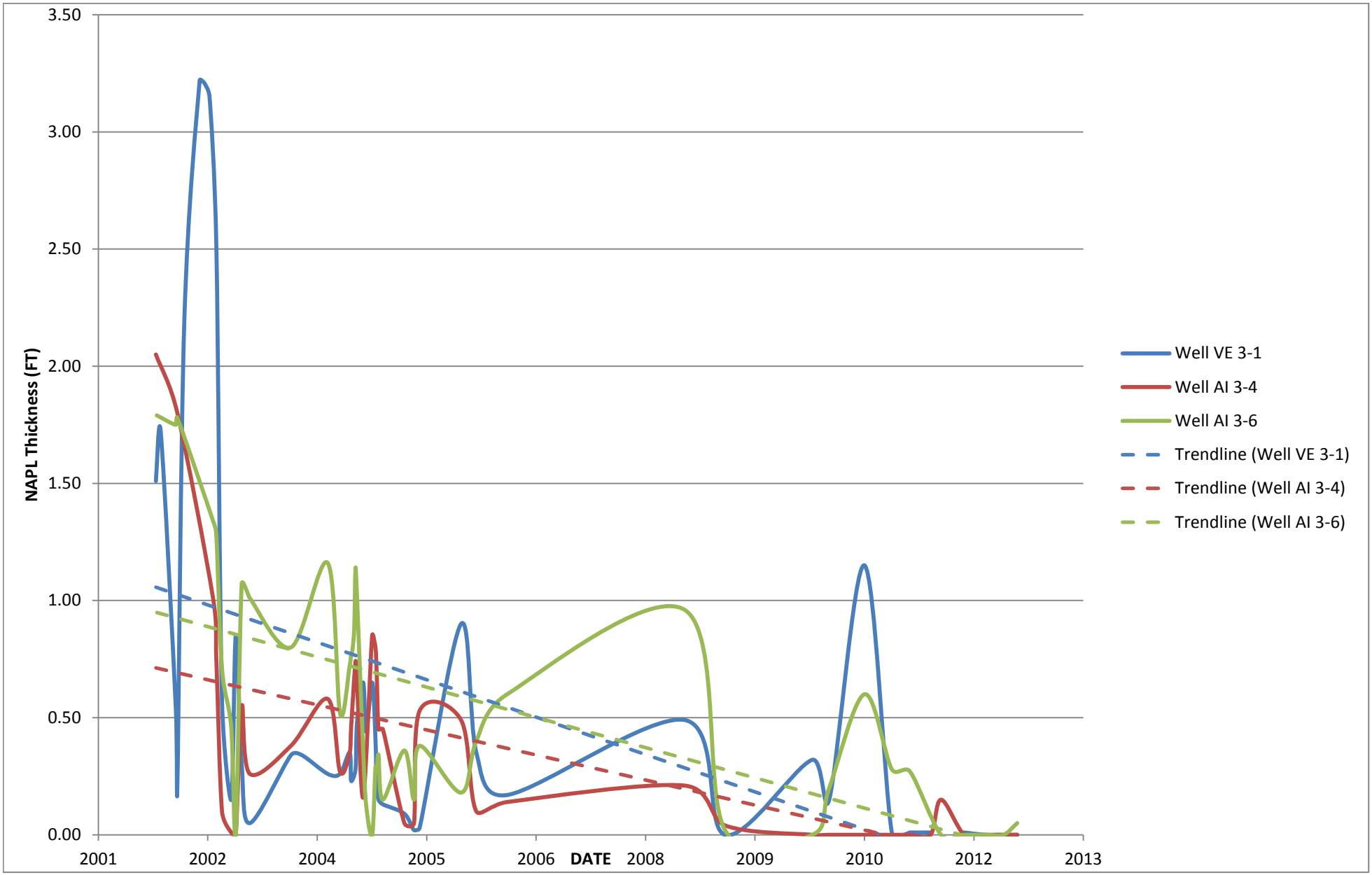


Figure 8a
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Area L4 - West
NAPL Thickness Measurements 2002-2012

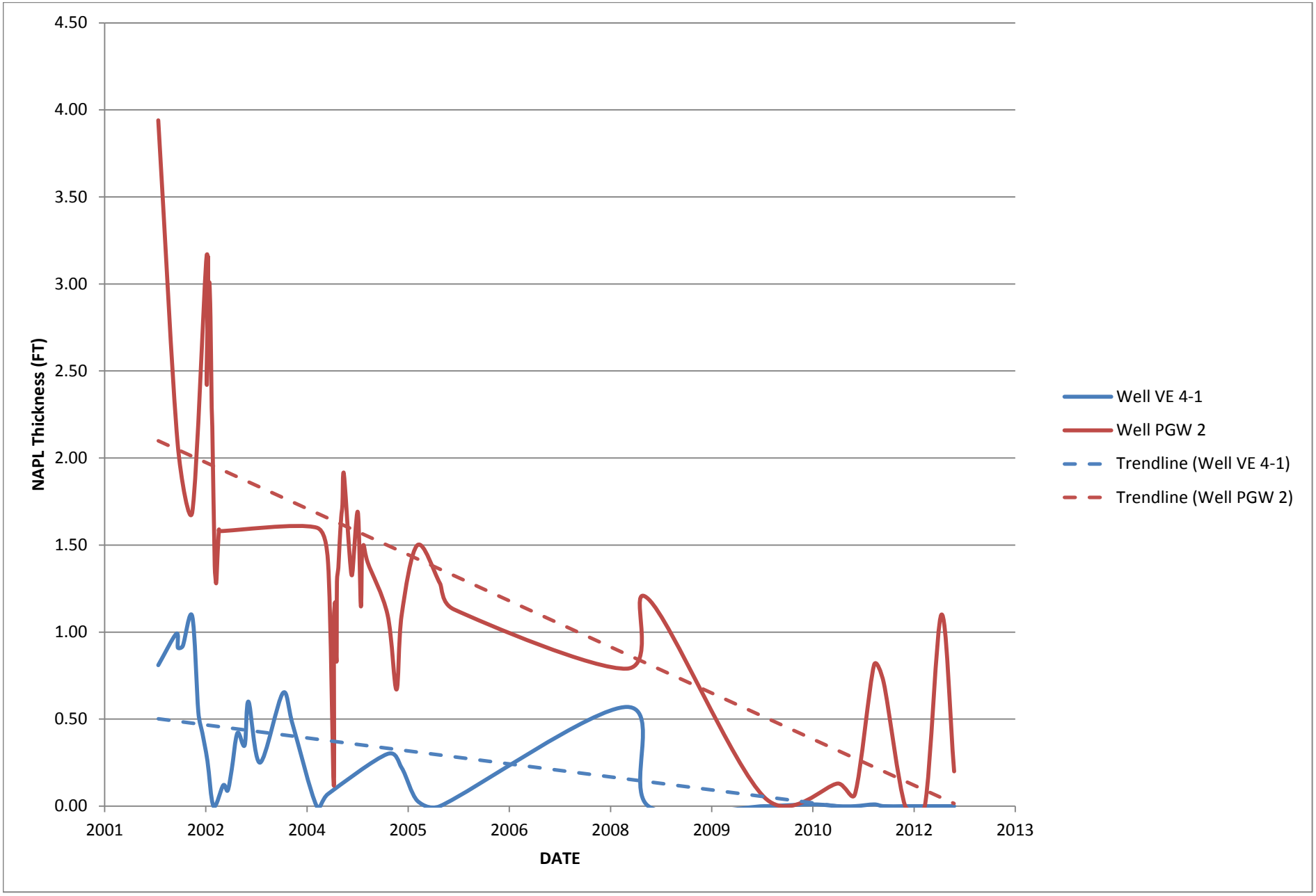


Figure 8b
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Area L4 - Center
NAPL Thickness Measurements 2002-2012

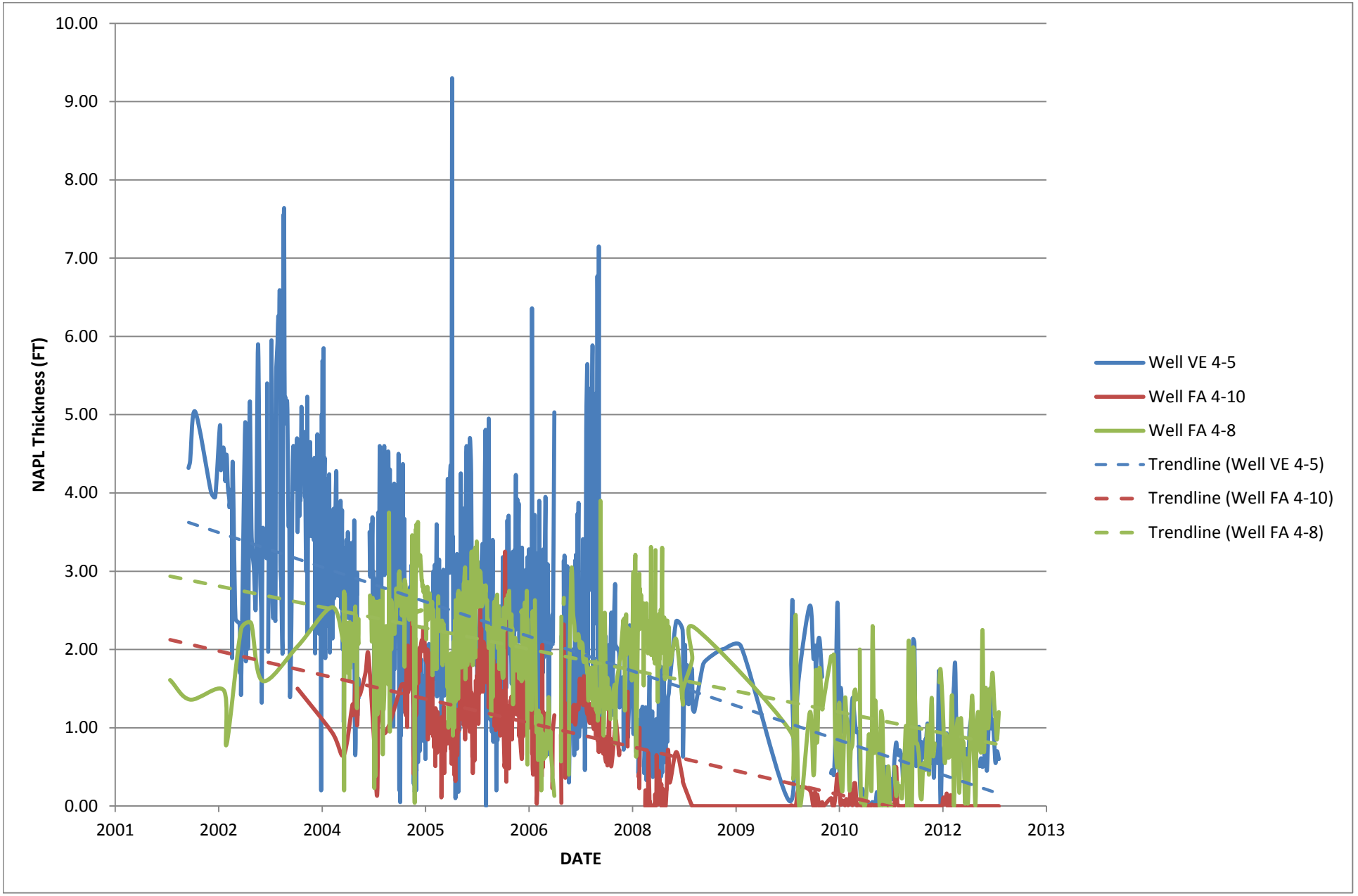
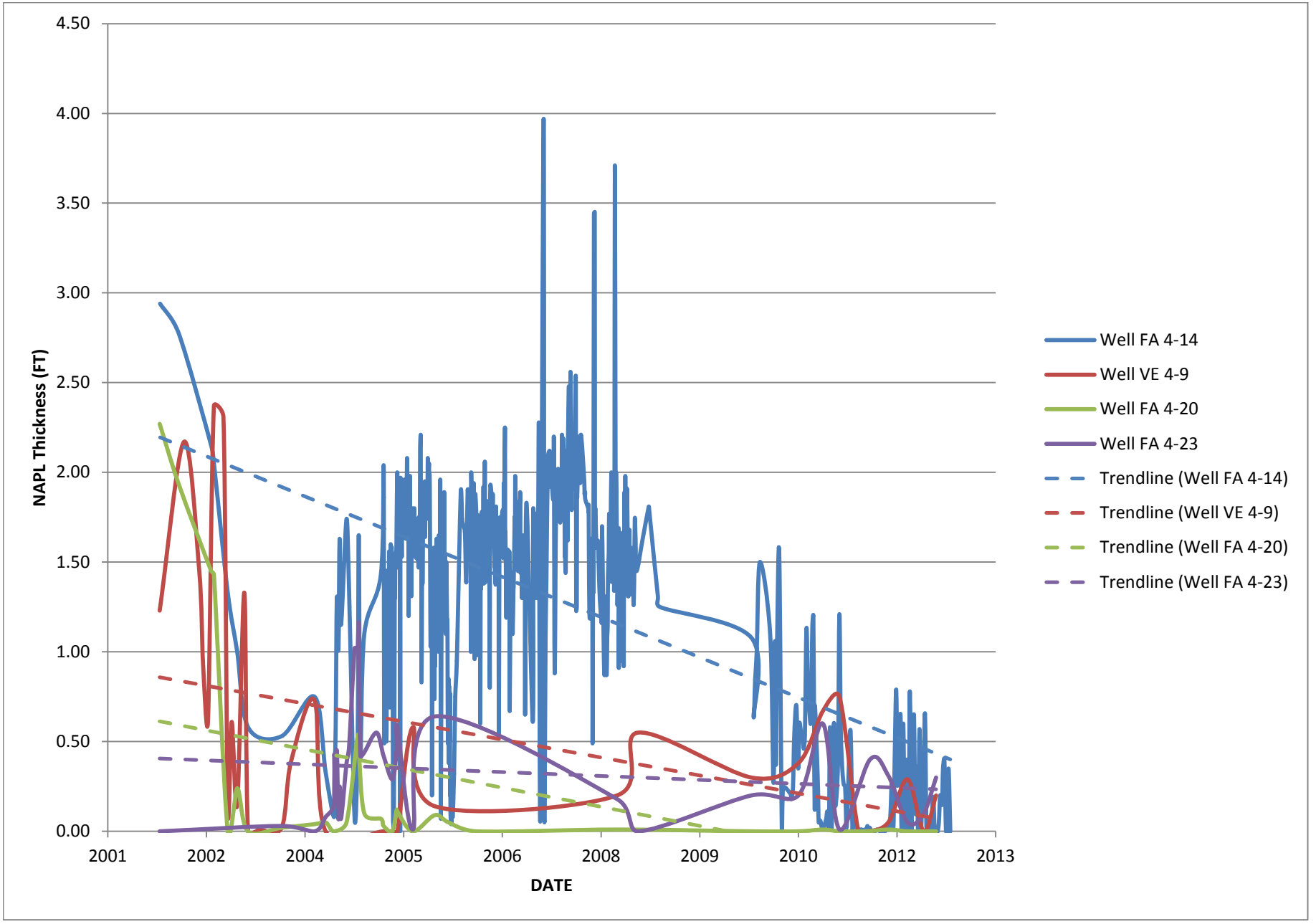
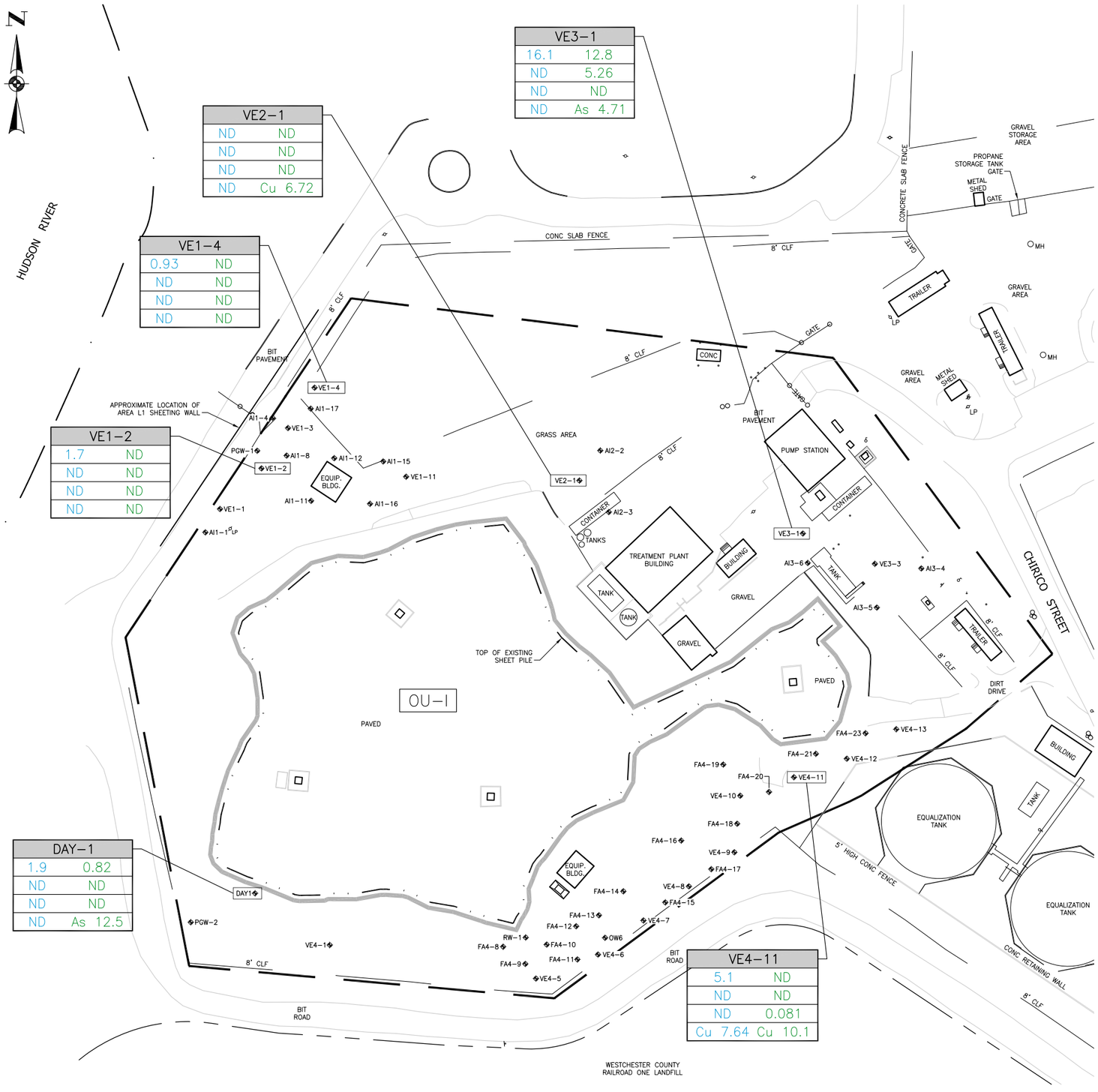


Figure 8c
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Area L4 - East
NAPL Thickness Measurements 2002-2012





SITE PLAN
1" = 80'

NOTES:

1. This drawing was prepared from a CAD base file provided by others, from a drawing by ERM, entitled "EXISTING SITE PLAN AND SURVEY CONROL" sheet No. C-1 dated 7/31/00 and from a drawing by ERM, "SITE PLAN WITH LOCATIONS OF PROPOSED WELLS AND SHEET PILING", sheet No. C-2, dated 7/31/00.
2. Operable Unit II (OU-II) remedy well locations were determined from coordinate values listed on the ERM drawings identified in note No. 1, or by reference to site features (e.g., DAY-1, RW-1, etc...)

LEGEND:

- VE1-3 — Former Vapor Extraction (VE), Air Inlet (AI), Forced Air Injection (FA), Existing Monitoring Well Or Product Recovery Well (RW) and Designation
- VE1-2 — Long-Term Monitoring Well
- Approximate Location Of Sheet Pile Wall Around Remediated Former Lagoon Area (OU-I)
- Extent Of OU-I Final Cover System
- OU-II Boundary
- OU-I Contingency Vapor Extraction System Wells

VE4-11
5.1 ND
ND ND
ND 0.081
Cu 7.64 Cu 10.1

- Long-Term Monitoring Well Identification
- Total Concentration Of STARS-List VOC's and Chlorobenzene
- Total Concentration Of STARS-List SVOC's and 2Methylnapthalene
- Concentration Of Total PCB's
- Concentration Of Detected Metals (As, Cr, Cu, Pb)

ND — Constituents Not Detected

Long-Term Monitoring Results For Samples Collected On March 27, 2012 Shown In Blue

Long-Term Monitoring Results For Samples Collected On September 11, 2012 And September 12, 2012 Shown In Green

NOTES:

1. All results in ug/L or parts per billion.
2. If metals were detected specific metal and concentration are identified.

0' 80' 160' 240'

PROJECT MANAGER	DRAWN BY	SCALE	DATE
CAH	RJM	As Noted	12-2012

DATE DRAWN	DATE ISSUED
12-31-2012	1-2-2013

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

PROJECT TITLE
METRO-NORTH RAILROAD
HARMON YARD OPERABLE UNITS OU-I AND OU-II
CROTON-ON-HUDSON, NEW YORK
NYSDEC SITE #360010

DRAWING TITLE
Summary Of Long-Term Monitoring Results For Samples Collected March 27 & 28, 2012 and September 11 & 12, 2012

PROJECT NO.
10-3231M (46)

FIGURE 9

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TABLES

Table 1a

NYSDEC Site #360010
Harmon Yard Waste Water Area

Summary of NAPL Removal Totals in 2012
OU II NAPL Area L1

Total NAPL Removed Quarter 1 2012 to Present (Gallons): 0.57

Well ID	NAPL Removed (Gallons)		
	Qtr 1 2012	Qtr 2 2012	Qtr 3 2012
AI1-1	0	0	0
AI1-11	0	0	0
AI1-12	0	0	0
AI1-15	0	0	0
AI1-16	0	0	0
AI1-4	0	0	0
AI1-8	0	0	0
VE1-1	0	0	0.57
VE1-2	0	0	0
VE1-3	0	0	0
VE1-4	0	0	0
Total	**0**	**0**	**0.57**

Quarter 1 - March through May
Quarter 2 - June through August
Quarter 3 - September through November
Quarter 4 - December through February

Table 1b

NYSDEC Site #360010
Harmon Yard Waste Water Area

Summary of NAPL Removal Totals in 2012
OU II NAPL Area L2

Total NAPL Removed Quarter 1 2012 to Present (Gallons): 19.42

Well ID	NAPL Removed (Gallons)		
	Qtr 1 2012	Qtr 2 2012	Qtr 3 2012
AI2-2	0	0	0
AI2-3	12.77	1.75	4.9
VE2-1	0	0	0
Total	**12.77**	**1.75**	**4.9**

Quarter 1 - March through May
Quarter 2 - June through August
Quarter 3 - September through November
Quarter 4 - December through February

Table 1c

NYSDEC Site #360010
Harmon Yard Waste Water Area

Summary of NAPL Removal Totals in 2012
OU II NAPL Area L3

Total NAPL Removed Quarter 1 2012 to Present (Gallons): **0**

Well ID	NAPL Removed (Gallons)		
	Qtr 1 2012	Qtr 2 2012	Qtr 3 2012
AI3-4	0	0	0
AI3-6	0	0	0
VE3-1	0	0	0
Total	**0**	**0**	**0**

Quarter 1 - March through May
Quarter 2 - June through August
Quarter 3 - September through November
Quarter 4 - December through February

Table 1d

NYSDEC Site #360010
Harmon Yard Waste Water Area

Summary of NAPL Removal Totals in 2012
OU II NAPL Area L4

Total NAPL Removed Quarter 1 2012 to Present (Gallons): **213.8**

Well ID	NAPL Removed (Gallons)		
	Qtr 1 2012	Qtr 2 2012	Qtr 3 2012
DAY-1	0	0	0
FA4-10	0.13	0	0
FA4-11	0	0	0
FA4-12	0	0	0
FA4-13	0	0	0
FA4-14	0.8	0	0.33
FA4-15	0	0	0
FA4-16	0	0	0
FA4-17	0	0	0
FA4-18	0	0	0
FA4-19	0	0	0
FA4-20	0	0	0
FA4-21	0	0	0
FA4-23	0	0	0
FA4-8	2.76	1.3	1.93
FA4-9	0	0	0
PGW-2	0	0.16	0.13
RW-1	0	94	94
VE4-1	0	0	0
VE4-10	0	0	0
VE4-11	0	0	0
VE4-12	0	0	0
VE4-5	5.93	3.76	8.57
VE4-6	0	0	0
VE4-7	0	0	0
VE4-8	0	0	0
VE4-9	0	0	0
Total	**9.62**	**99.22**	**104.96**

Quarter 1 - March through May
Quarter 2 - June through August
Quarter 3 - September through November
Quarter 4 - December through February

Table 2a

NYSDEC Site #360010
Harmon Yard Waste Water Area

Groundwater Elevations
OU II NAPL Area L1 Monitoring Wells: 2012

Well ID	Top of Well Casing Elevation (FT)	Groundwater Elevation (FT)	
		8/14/2012	10/16/2012
AI1-1	15.61	4.26	4.75
AI1-11	21.00	3.50	3.78
AI1-12	20.74	3.14	3.39
AI1-15	22.21	3.25	3.51
AI1-16	17.89	3.89	3.99
AI1-4	14.02	3.30	3.60
AI1-8	17.08	3.48	3.65
VE1-1	10.73	3.77	0.47
VE1-2	11.45	3.45	4.21
VE1-3	10.41	3.41	1.56
VE1-4	12.02	3.32	3.61

Notes:

Elevations are referenced to the National Geodetic system
(NGS 0+00 = Mean Sea Level)

Elevations are based on existing site benchmarks established during a survey coducted by Chas. H Sells, Inc, 500 bedford Road, Bedford Hill, NY 10507. DWG. No CRR-9-99-ERM Dated 9/27/99.

Table 2b

NYSDEC Site #360010
Harmon Yard Waste Water Area

Groundwater Elevations
OU II NAPL Area L2 Monitoring Wells: 2012

Well ID	Top of Well Casing Elevation (FT)	Groundwater Elevation (FT)	
		8/14/2012	10/16/2012
AI2-2	21.19	6.84	7.14
AI2-3	22.14	6.20	6.15
VE2-1	17.33	6.13	5.93

Notes:

Elevations are referenced to the National Geodetic system
(NGS 0+00 = Mean Sea Level)

Elevations are based on existing site benchmarks established during a survey coducted by Chas. H Sells, Inc, 500 bedford Road, Bedford Hill, NY 10507. DWG. No CRR-9-99-ERM Dated 9/27/99.

Table 2c

NYSDEC Site #360010
Harmon Yard Waste Water Area

Groundwater Elevations
OU II NAPL Area L3 Monitoring Wells: 2012

Well ID	Top of Well Casing Elevation (FT)	Groundwater Elevation (FT)	
		8/14/2012	10/16/2012
AI3-4	17.07	3.27	3.62
AI3-6	23.28	6.68	6.90
VE3-1	17.55	6.20	6.65

Notes:

Elevations are referenced to the National Geodetic system
(NGS 0+00 = Mean Sea Level)

Elevations are based on existing site benchmarks established during a survey coducted by Chas. H Sells, Inc, 500 bedford Road, Bedford Hill, NY 10507. DWG. No CRR-9-99-ERM Dated 9/27/99.

Table 2d

NYSDEC Site #360010
Harmon Yard Waste Water Area

Groundwater Elevations
OU II NAPL Area L4 Monitoring Wells: 2012

Well ID	Top of Well Casing Elevation (FT)	Groundwater Elevation (FT)	
		8/14/2012	10/16/2012
DAY-1	21.67	5.07	6.07
FA4-10	17.58	6.58	7.13
FA4-11	14.42	6.03	5.22
FA4-12	17.09	6.59	6.99
FA4-13	14.37	6.17	6.17
FA4-14	16.48	6.13	6.38
FA4-15	13.35	6.08	6.18
FA4-16	17.17	5.87	6.11
FA4-17	13.72	6.72	5.92
FA4-18	15.84	6.02	5.95
FA4-20	18.08	6.23	6.33
FA4-21	19.71	6.71	5.81
FA4-23	19.25	6.19	6.31
FA4-8	19.61	5.15	5.51
FA4-9	14.35	6.62	6.79
PGW-2	12.30	5.24	6.17
RW-1	20.86	6.02	4.76
VE4-1	13.59	8.59	8.59
VE4-10	16.86	6.16	6.41
VE4-11	19.10	7.80	8.00
VE4-12	17.96	5.99	6.26
VE4-5	15.21	5.90	6.03
VE4-6	12.68	5.98	6.38
VE4-7	12.16	6.02	6.16
VE4-8	12.27	6.06	6.33
VE4-9	12.57	6.04	5.20

Notes:

Elevations are referenced to the National Geodetic system
(NGS 0+00 = Mean Sea Level)

Elevations are based on existing site benchmarks established during a survey coducted by Chas. H Sells, Inc, 500 bedford Road, Bedford Hill, NY 10507. DWG. No CRR-9-99-ERM Dated 9/27/99.

Table 3

NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Volatile Organic Compounds

Compound	Groundwater Standard or Guidance Value (1)	Test Location and Sample Date																
		VE 1-2		VE 1-4		VE 2-1		VE 3-1		VE 4-11			DAY 1		FB		TB
		3/27/2012	9/12/2012	3/27/2012	9/12/2012	3/28/2012	9/12/2012	3/27/2012	9/11/2012	3/27/2012	9/11/2012	9/11/2012 DUP	3/27/2012	9/11/2012	3/28/2012	9/12/2012	9/12/2012
1,2,4-Trimethylbenzene	5	ND (0.53) [5.0]	ND (0.41) [5.0]	ND (0.53) [5.0]	ND (0.41) [5.0]	ND (0.53) [5.0]	ND (0.41) [5.0]	3.4 J	2.6 J	1.1 J	ND (0.41) [5.0]	ND (0.41) [5.0]	ND (0.53) [5.0]	ND (0.41) [5.0]	ND (0.53) [5.0]	ND (0.41) [5.0]	ND (0.41) [5.0]
1,3,5-Trimethylbenzene	5	ND (0.37) [5.0]	ND (0.48) [5.0]	ND (0.37) [5.0]	ND (0.48) [5.0]	ND (0.37) [5.0]	ND (0.48) [5.0]	1.9 J	1.2 J	ND (0.37) [5.0]	ND (0.48) [5.0]	ND (0.48) [5.0]	ND (0.37) [5.0]	ND (0.48) [5.0]	ND (0.37) [5.0]	ND (0.48) [5.0]	ND (0.48) [5.0]
Benzene	1	**ND (0.48) [5.0]**	**ND (0.30) [5.0]**	**ND (0.48) [5.0]**	**ND (0.30) [5.0]**	**ND (0.48) [5.0]**	**ND (0.30) [5.0]**	**ND (0.48) [5.0]**	**ND (0.30) [5.0]**	**ND (0.48) [5.0]**	**ND (0.30) [5.0]**	**ND (0.30) [5.0]**	**ND (0.48) [5.0]**	0.82 J	**ND (0.48) [5.0]**	**ND (0.30) [5.0]**	**ND (0.30) [5.0]**
Chlorobenzene	5	ND (0.35) [5.0]	ND (0.38) [5.0]	ND (0.35) [5.0]	ND (0.38) [5.0]	ND (0.35) [5.0]	ND (0.38) [5.0]	2.6 J	2.4 J	ND (0.35) [5.0]	ND (0.38) [5.0]	ND (0.38) [5.0]	ND (0.35) [5.0]	ND (0.38) [5.0]	ND (0.35) [5.0]	ND (0.38) [5.0]	ND (0.38) [5.0]
Ethylbenzene	5	ND (0.35) [5.0]	ND (0.25) [5.0]	ND (0.35) [5.0]	ND (0.25) [5.0]	ND (0.35) [5.0]	ND (0.25) [5.0]	ND (0.35) [5.0]	ND (0.25) [5.0]	ND (0.35) [5.0]	ND (0.25) [5.0]	ND (0.25) [5.0]	ND (0.35) [5.0]	ND (0.25) [5.0]	ND (0.35) [5.0]	ND (0.25) [5.0]	ND (0.25) [5.0]
Isopropylbenzene	5	ND (0.39) [5.0]	ND (0.63) [5.0]	ND (0.39) [5.0]	ND (0.63) [5.0]	ND (0.39) [5.0]	ND (0.63) [5.0]	ND (0.39) [5.0]	ND (0.63) [5.0]	ND (0.39) [5.0]	ND (0.63) [5.0]	ND (0.63) [5.0]	ND (0.39) [5.0]	ND (0.63) [5.0]	ND (0.39) [5.0]	ND (0.63) [5.0]	ND (0.63) [5.0]
Methyl tert-butyl ether (MTBE)	10	ND (0.38) [5.0]	ND (0.53) [5.0]	ND (0.38) [5.0]	ND (0.53) [5.0]	ND (0.38) [5.0]	ND (0.53) [5.0]	ND (0.38) [5.0]	ND (0.53) [5.0]	ND (0.38) [5.0]	ND (0.53) [5.0]	ND (0.53) [5.0]	ND (0.38) [5.0]	ND (0.53) [5.0]	ND (0.38) [5.0]	ND (0.53) [5.0]	ND (0.53) [5.0]
Naphthalene	10	1.7 J, B	ND (1.2) [10]	0.93 J, B	ND (1.2) [10]	ND (0.50) [10]	ND (1.2) [10]	5.6 J, B	6.6 J	4.0 J, B	ND (1.2) [10]	ND (1.2) [10]	1.9 J, B	ND (1.2) [10]	ND (0.50) [10]	ND (1.2) [10]	ND (1.2) [10]
n-Butylbenzene	5	ND (0.32) [5.0]	ND (0.30) [5.0]	ND (0.32) [5.0]	ND (0.30) [5.0]	ND (0.32) [5.0]	ND (0.30) [5.0]	1.1 J	ND (0.30) [5.0]	ND (0.32) [5.0]	ND (0.30) [5.0]	ND (0.30) [5.0]	ND (0.32) [5.0]	ND (0.30) [5.0]	ND (0.32) [5.0]	ND (0.30) [5.0]	ND (0.30) [5.0]
n-Propylbenzene	5	ND (0.58) [5.0]	ND (0.54) [5.0]	ND (0.58) [5.0]	ND (0.54) [5.0]	ND (0.58) [5.0]	ND (0.54) [5.0]	ND (0.58) [5.0]	ND (0.54) [5.0]	ND (0.58) [5.0]	ND (0.54) [5.0]	ND (0.54) [5.0]	ND (0.58) [5.0]	ND (0.54) [5.0]	ND (0.58) [5.0]	ND (0.54) [5.0]	ND (0.54) [5.0]
o-Xylene	5	ND (0.50) [5.0]	ND (0.21) [5.0]	ND (0.50) [5.0]	ND (0.21) [5.0]	ND (0.50) [5.0]	ND (0.21) [5.0]	ND (0.50) [5.0]	ND (0.21) [5.0]	ND (0.50) [5.0]	ND (0.21) [5.0]	ND (0.21) [5.0]	ND (0.50) [5.0]	ND (0.21) [5.0]	ND (0.50) [5.0]	ND (0.21) [5.0]	ND (0.21) [5.0]
M p- & m- Xylenes	NS	ND (0.55) [10]	ND (0.53) [10]	ND (0.55) [10]	ND (0.53) [10]	ND (0.55) [10]	ND (0.53) [10]	ND (0.55) [10]	ND (0.53) [10]	ND (0.55) [10]	ND (0.53) [10]	ND (0.53) [10]	ND (0.55) [10]	ND (0.53) [10]	ND (0.55) [10]	ND (0.53) [10]	ND (0.53) [10]
p-Isopropyltoluene	NS	ND (0.25) [5.0]	ND (0.34) [5.0]	ND (0.25) [5.0]	ND (0.34) [5.0]	ND (0.25) [5.0]	ND (0.34) [5.0]	1.5 J	ND (0.34) [5.0]	ND (0.25) [5.0]	ND (0.34) [5.0]	ND (0.34) [5.0]	ND (0.25) [5.0]	ND (0.34) [5.0]	ND (0.25) [5.0]	ND (0.34) [5.0]	ND (0.34) [5.0]
sec-Butylbenzene	5	ND (0.52) [5.0]	ND (0.59) [5.0]	ND (0.52) [5.0]	ND (0.59) [5.0]	ND (0.52) [5.0]	ND (0.59) [5.0]	ND (0.52) [5.0]	ND (0.59) [5.0]	ND (0.52) [5.0]	ND (0.59) [5.0]	ND (0.59) [5.0]	ND (0.52) [5.0]	ND (0.59) [5.0]	ND (0.52) [5.0]	ND (0.59) [5.0]	ND (0.59) [5.0]
tert-Butylbenzene	5	ND (0.46) [5.0]	ND (1.4) [5.0]	ND (0.46) [5.0]	ND (1.4) [5.0]	ND (0.46) [5.0]	ND (1.4) [5.0]	ND (0.46) [5.0]	ND (1.4) [5.0]	ND (0.46) [5.0]	ND (1.4) [5.0]	ND (1.4) [5.0]	ND (0.46) [5.0]	ND (1.4) [5.0]	ND (0.46) [5.0]	ND (1.4) [5.0]	ND (1.4) [5.0]
Toluene	5	ND (0.23) [5.0]	ND (0.17) [5.0]	ND (0.23) [5.0]	ND (0.17) [5.0]	ND (0.23) [5.0]	ND (0.17) [5.0]	ND (0.23) [5.0]	ND (0.17) [5.0]	ND (0.23) [5.0]	ND (0.17) [5.0]	ND (0.17) [5.0]	ND (0.23) [5.0]	ND (0.17) [5.0]	ND (0.23) [5.0]	ND (0.17) [5.0]	ND (0.17) [5.0]
Xylenes, Total	5	**ND (1.0) [15]**	**ND (0.55) [15]**	**ND (1.0) [15]**	**ND (0.55) [15]**	**ND (1.0) [15]**	**ND (0.55) [15]**	**ND (1.0) [15]**	**ND (0.55) [15]**	**ND (1.0) [15]**	**ND (0.55) [15]**	**ND (0.55) [15]**	**ND (1.0) [15]**	**ND (0.55) [15]**	**ND (1.0) [15]**	**ND (0.55) [15]**	**ND (0.55) [15]**

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND (Method Detection Limit) [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets

NS = No Standard

J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

B = Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
Data users should consider anything <10x the blank value as artifact.

BOLD TYPE indicates the reporting limit exceeds the groundwater standard or guidance value

Table 4

NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Semi-Volatile Organic Compounds

Compound	Groundwater Standard or Guidance Value [(1)]	Test Location and Sample Date															
		VE 1-2		VE 1-4		VE 2-1		VE 3-1		VE 4-11			DAY 1		FB		
		3/27/2012	9/12/2012	3/27/2012	9/12/2012	3/28/2012	9/12/2012	3/27/2012	9/11/2012	3/27/2012	9/11/2012	9/11/2012 DUP	3/27/2012	9/11/2012	3/28/2012	9/12/2012
2-Methylnaphthalene	NS	ND (3.15) [5.13]	ND (3.07) [5.56]	ND (3.15) [5.13]	ND (3.15) [5.71]	ND (3.15) [5.13]	ND (3.45) [6.25]	ND (3.15) [5.13]	ND (2.91) [5.26]	ND (3.32) [5.13]	ND (3.15) [5.71]	ND (3.35) [6.06]	ND (3.24) [5.13]	ND (3.07) [5.56]	ND (3.24) [5.13]	ND (2.91) [5.26]
Acenaphthene	20	ND (3.32) [5.13]	ND (1.97) [5.56]	ND (3.32) [5.13]	ND (2.02) [5.71]	ND (3.32) [5.13]	ND (2.21) [6.25]	ND (3.32) [5.13]	ND (1.86) [5.26]	ND (3.50) [5.13]	ND (2.02) [5.71]	ND (2.15) [6.06]	ND (3.41) [5.13]	ND (1.97) [5.56]	ND (3.41) [5.13]	ND (1.86) [5.26]
Acenaphthylene	NS	ND (4.38) [5.13]	ND (1.93) [5.56]	ND (4.38) [5.13]	ND (1.99) [5.71]	ND (4.38) [5.13]	ND (2.18) [6.25]	ND (4.38) [5.13]	ND (1.83) [5.26]	ND (4.62) [5.13]	ND (1.99) [5.71]	ND (2.11) [6.06]	ND (4.50) [5.13]	ND (1.93) [5.56]	ND (4.50) [5.13]	ND (1.83) [5.26]
Anthracene	50	ND (3.75) [5.13]	ND (1.32) [5.56]	ND (3.75) [5.13]	ND (1.36) [5.71]	ND (3.75) [5.13]	ND (1.49) [6.25]	ND (3.75) [5.13]	ND (1.25) [5.26]	ND (3.96) [5.13]	ND (1.36) [5.71]	ND (1.44) [6.06]	ND (3.85) [5.13]	ND (1.32) [5.56]	ND (3.85) [5.13]	ND (1.25) [5.26]
Benzo(a)anthracene	0.002	**ND (4.17) [5.13]**	**ND (1.46) [5.56]**	**ND (4.17) [5.13]**	**ND (1.50) [5.71]**	**ND (4.17) [5.13]**	**ND (1.64) [6.25]**	**ND (4.17) [5.13]**	**ND (1.38) [5.26]**	**ND (4.40) [5.13]**	**ND (1.50) [5.71]**	**ND (1.59) [6.06]**	**ND (4.28) [5.13]**	**ND (1.46) [5.56]**	**ND (4.28) [5.13]**	**ND (1.38) [5.26]**
Benzo(a)pyrene	ND	ND (4.97) [5.13]	ND (1.44) [5.56]	ND (4.97) [5.13]	ND (1.49) [5.71]	ND (4.97) [5.13]	ND (1.62) [6.25]	ND (4.97) [5.13]	ND (1.37) [5.26]	ND (5.24) [5.13]	ND (1.49) [5.71]	ND (1.58) [6.06]	ND (5.10) [5.13]	ND (1.44) [5.56]	ND (5.10) [5.13]	ND (1.37) [5.26]
Benzo(b)fluoranthene	0.002	**ND (4.23) [5.13]**	ND (1.57) [5.56]	**ND (4.23) [5.13]**	**ND (1.61) [5.71]**	**ND (4.23) [5.13]**	**ND (1.76) [6.25]**	**ND (4.23) [5.13]**	ND (1.48) [5.26]	**ND (4.45) [5.13]**	**ND (1.61) [5.71]**	**ND (1.71) [6.06]**	**ND (4.34) [5.13]**	ND (1.57) [5.56]	**ND (4.34) [5.13]**	ND (1.48) [5.26]
Benzo(g,h,i)perylene	NS	ND (4.26) [5.13]	ND (1.90) [5.56]	ND (4.26) [5.13]	ND (1.95) [5.71]	ND (4.26) [5.13]	ND (2.14) [6.25]	ND (4.26) [5.13]	ND (1.80) [5.26]	ND (4.49) [5.13]	ND (1.95) [5.71]	ND (2.07) [6.06]	ND (4.37) [5.13]	ND (1.90) [5.56]	ND (4.37) [5.13]	ND (1.80) [5.26]
Benzo(k)fluoranthene	0.002	**ND (3.54) [5.13]**	**ND (2.03) [5.56]**	**ND (3.54) [5.13]**	**ND (2.09) [5.71]**	**ND (3.54) [5.13]**	**ND (2.29) [6.25]**	**ND (3.54) [5.13]**	**ND (1.93) [5.26]**	**ND (3.74) [5.13]**	**ND (2.09) [5.71]**	**ND (2.22) [6.06]**	**ND (3.64) [5.13]**	**ND (2.03) [5.56]**	**ND (3.64) [5.13]**	**ND (1.93) [5.26]**
Chrysene	0.002	**ND (4.26) [5.13]**	**ND (1.63) [5.56]**	**ND (4.26) [5.13]**	**ND (1.68) [5.71]**	**ND (4.26) [5.13]**	**ND (1.84) [6.25]**	**ND (4.26) [5.13]**	**ND (1.55) [5.26]**	**ND (4.49) [5.13]**	**ND (1.68) [5.71]**	**ND (1.78) [6.06]**	**ND (4.37) [5.13]**	**ND (1.63) [5.56]**	**ND (4.37) [5.13]**	**ND (1.55) [5.26]**
Dibenzo(a,h)anthracene	NS	ND (3.18) [5.13]	ND (1.73) [5.56]	ND (3.18) [5.13]	ND (1.78) [5.71]	ND (3.18) [5.13]	ND (1.95) [6.25]	ND (3.18) [5.13]	ND (1.64) [5.26]	ND (3.35) [5.13]	ND (1.78) [5.71]	ND (1.89) [6.06]	ND (3.26) [5.13]	ND (1.73) [5.56]	ND (3.26) [5.13]	ND (1.64) [5.26]
Fluoranthene	50	ND (1.64) [5.13]	ND (1.38) [5.56]	ND (1.64) [5.13]	ND (1.42) [5.71]	ND (1.64) [5.13]	ND (1.55) [6.25]	ND (1.64) [5.13]	ND (1.31) [5.26]	ND (1.72) [5.13]	ND (1.42) [5.71]	ND (1.50) [6.06]	ND (1.68) [5.13]	ND (1.38) [5.56]	ND (1.68) [5.13]	ND (1.31) [5.26]
Fluorene	50	ND (3.31) [5.13]	ND (2.03) [5.56]	ND (3.31) [5.13]	ND (2.09) [5.71]	ND (3.31) [5.13]	ND (2.29) [6.25]	ND (3.31) [5.13]	2.85 J	ND (3.49) [5.13]	ND (2.09) [5.71]	ND (2.22) [6.06]	ND (3.39) [5.13]	ND (2.03) [5.56]	ND (3.39) [5.13]	ND (1.93) [5.26]
Indeno(1,2,3-cd)pyrene	0.002	**ND (2.82) [5.13]**	ND (1.89) [5.56]	**ND (2.82) [5.13]**	**ND (1.94) [5.71]**	**ND (2.82) [5.13]**	**ND (2.12) [6.25]**	**ND (2.82) [5.13]**	**ND (1.79) [5.26]**	**ND (2.97) [5.13]**	**ND (1.94) [5.71]**	**ND (2.06) [6.06]**	**ND (2.89) [5.13]**	ND (1.89) [5.56]	**ND (2.89) [5.13]**	**ND (1.79) [5.26]**
Naphthalene	10	ND (3.96) [5.13]	ND (2.21) [5.56]	ND (3.96) [5.13]	ND (2.27) [5.71]	ND (3.96) [5.13]	ND (2.49) [6.25]	ND (3.96) [5.13]	ND (2.09) [5.26]	ND (4.18) [5.13]	ND (2.27) [5.71]	ND (2.41) [6.06]	ND (4.07) [5.13]	ND (2.21) [5.56]	ND (4.07) [5.13]	ND (2.09) [5.26]
Phenanthrene	50	ND (3.70) [5.13]	ND (1.52) [5.56]	ND (3.70) [5.13]	ND (1.57) [5.71]	ND (3.70) [5.13]	ND (1.71) [6.25]	ND (3.70) [5.13]	2.41 J	ND (3.90) [5.13]	ND (1.57) [5.71]	ND (1.66) [6.06]	ND (3.80) [5.13]	ND (1.52) [5.56]	ND (3.80) [5.13]	ND (1.44) [5.26]
Pyrene	50	ND (2.43) [5.13]	ND (1.92) [5.56]	ND (2.43) [5.13]	ND (1.98) [5.71]	ND (2.43) [5.13]	ND (2.16) [6.25]	ND (2.43) [5.13]	ND (1.82) [5.26]	ND (2.56) [5.13]	ND (1.98) [5.71]	ND (2.10) [6.06]	ND (2.49) [5.13]	ND (1.92) [5.56]	ND (2.49) [5.13]	ND (1.82) [5.26]

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND (Method Detection Limit) [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets

NS = No Standard

BOLD TYPE indicates the reporting limit exceeds the groundwater standard or guidance value

Table 5

NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Polychlorinated Biphenyls (PCBs)

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date															
		VE 1-2		VE 1-4		VE 2-1		VE 3-1		VE 4-11			DAY 1		FB		
		3/27/2012	9/12/2012	3/27/2012	9/12/2012	3/28/2012	9/12/2012	3/27/2012	9/11/2012	3/27/2012	9/11/2012	9/11/2012 DUP	3/27/2012	9/11/2012	3/28/2012	9/12/2012
Aroclor 1016	NS	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]	ND (0.0382) [0.0513]	ND (0.0513) [0.0513]	ND (0.0372) [0.0513]	ND (0.0571) [0.0571]	ND (0.0372) [0.0513]	ND (0.0513) [0.0513]	ND (0.0403) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0392) [0.0513]	ND (0.0556) [0.0556]	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1221	NS	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]	ND (0.0382) [0.0513]	ND (0.0513) [0.0513]	ND (0.0372) [0.0513]	ND (0.0571) [0.0571]	ND (0.0372) [0.0513]	ND (0.0513) [0.0513]	ND (0.0403) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0392) [0.0513]	ND (0.0556) [0.0556]	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1232	NS	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]	ND (0.0382) [0.0513]	ND (0.0513) [0.0513]	ND (0.0372) [0.0513]	ND (0.0571) [0.0571]	ND (0.0372) [0.0513]	ND (0.0513) [0.0513]	ND (0.0403) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0392) [0.0513]	ND (0.0556) [0.0556]	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1242	NS	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]	ND (0.0382) [0.0513]	ND (0.0513) [0.0513]	ND (0.0372) [0.0513]	ND (0.0571) [0.0571]	ND (0.0372) [0.0513]	ND (0.0513) [0.0513]	ND (0.0403) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0392) [0.0513]	ND (0.0556) [0.0556]	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1248	NS	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]	ND (0.0382) [0.0513]	ND (0.0513) [0.0513]	ND (0.0372) [0.0513]	ND (0.0571) [0.0571]	ND (0.0372) [0.0513]	ND (0.0513) [0.0513]	ND (0.0403) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0392) [0.0513]	ND (0.0556) [0.0556]	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1254	NS	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]	ND (0.0444) [0.0513]	ND (0.0513) [0.0513]	ND (0.0433) [0.0513]	ND (0.0571) [0.0571]	ND (0.0433) [0.0513]	ND (0.0513) [0.0513]	ND (0.0469) [0.0513]	0.0805	0.0786	ND (0.0456) [0.0513]	ND (0.0556) [0.0556]	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1260	NS	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]	ND (0.0444) [0.0513]	ND (0.0513) [0.0513]	ND (0.0433) [0.0513]	ND (0.0571) [0.0571]	ND (0.0433) [0.0513]	ND (0.0513) [0.0513]	ND (0.0469) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0456) [0.0513]	ND (0.0556) [0.0556]	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1262	NS	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]	ND (0.0444) [0.0513]	ND (0.0513) [0.0513]	ND (0.0433) [0.0513]	ND (0.0571) [0.0571]	ND (0.0433) [0.0513]	ND (0.0513) [0.0513]	ND (0.0469) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0456) [0.0513]	ND (0.0556) [0.0556]	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]
Aroclor 1268	NS	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]	ND (0.0444) [0.0513]	ND (0.0513) [0.0513]	ND (0.0433) [0.0513]	ND (0.0571) [0.0571]	ND (0.0433) [0.0513]	ND (0.0513) [0.0513]	ND (0.0469) [0.0513]	ND (0.0625) [0.0625]	ND (0.0690) [0.0690]	ND (0.0456) [0.0513]	ND (0.0556) [0.0556]	ND (0.0433) [0.0513]	ND (0.0556) [0.0556]
Total PCBs	0.09	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]	ND (0.0382) [0.0513]	ND (0.0513) [0.0513]	ND (0.0372) [0.0513]	ND (0.0571) [0.0571]	ND (0.0372) [0.0513]	ND (0.0513) [0.0513]	ND (0.0403) [0.0513]	0.0805	0.0786	ND (0.0392) [0.0513]	ND (0.0556) [0.0556]	ND (0.0372) [0.0513]	ND (0.0556) [0.0556]

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND (Method Detection Limit) [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets

NS = No Standard

Table 6

NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Tested Metals

Compound	Groundwater Standard or Guidance Value[1]	Test Location and Sample Date														
		VE 1-2		VE 1-4		VE 2-1		VE 3-1		VE 4-11			DAY 1		FB	
		3/27/2012	9/12/2012	3/27/2012	9/12/2012	3/28/2012	9/12/2012	3/27/2012	9/11/2012	3/27/2012	9/11/2012	9/11/2012 DUP	3/27/2012	9/11/2012	3/28/2012	9/12/2012
Arsenic	25	ND(1.3) [10]	ND(4.0) [4.0]	ND(1.3) [10]	ND(4.0) [4.0]	ND(1.3) [10]	ND(4.0) [4.0]	ND(1.3) [10]	4.71	ND(1.3) [10]	ND(4.0) [4.0]	ND(4.0) [4.0]	ND(1.3) [10]	12.5	ND(1.3) [10]	ND(4.0) [4.0]
Chromium	50	ND(0.9) [5]	ND(1.8) [5]	ND(0.9) [5]	ND(1.8) [5]	ND(0.9) [5]	ND(1.8) [5]	ND(0.9) [5]	ND(1.8) [5]	ND(0.9) [5]	ND(1.8) [5]	ND(1.8) [5]	ND(0.9) [5]	ND(1.8) [5]	ND(0.9) [5]	ND(1.8) [5]
Copper	200	ND(1.6) [5]	ND(2.0) [5]	ND(1.6) [5]	ND(2.0) [5]	ND(1.6) [5]	6.72	ND(1.6) [5]	ND(2.0) [5]	7.64	10.1	8.7	ND(1.6) [5]	ND(2.0) [5]	ND(1.6) [5]	ND(2.0) [5]
Lead	25	ND(1.2) [3]	ND(2.2) [3]	ND(1.2) [3]	ND(2.2) [3]	ND(1.2) [3]	ND(2.2) [3]	ND(1.2) [3]	ND(2.2) [3]	ND(1.2) [3]	ND(2.2) [3]	ND(2.2) [3]	ND(1.2) [3]	ND(2.2) [3]	ND(1.2) [3]	ND(2.2) [3]

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND (Method Detection Limit) [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets

NS = No Standard

Table 7

NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Areas L1 through L4

Summary of Waste Characterization Testing for PCB's
Recovered NAPL

Date Sampled	Sample Location	Total PCBs (mg/Kg)	Remarks
04/29/02	L4 Area 500-gallon NAPL Recovery Tank	119	Sample also tested for VOCs, SVOCs, and TCLP RCRA metals
08/26/02	L4 Area 500-gallon NAPL Recovery Tank	103	
03/06/03	L1/L2 NAPL Accumulation Drums	ND (<1.0)	Sample also tested for VOCs, SVOCs, and total RCRA metals, specific gravity, and flashpoint
03/04/03	L3 NAPL Accumulation Drum	ND (<1.0)	Sample also tested for VOCs, SVOCs, and total RCRA metals, specific gravity, and flashpoint
03/04/03	L4 Area 500-gallon NAPL Recovery Tank	10.2	Sample also tested for VOCs, SVOCs, and total RCRA metals, specific gravity, and flashpoint
11/20/03	L4 Area 500-gallon NAPL Recovery Tank	10.7	
09/28/04	L4 NAPL Accumulation Drum #1	14.0	
09/28/04	L4 NAPL Accumulation Drum #2	13.5	
09/28/04	L4 Area 500-gallon NAPL Recovery Tank	10.9	Primarily includes oil collected from VE4-5
06/27/05	L4 Area 500-gallon NAPL Recovery Tank	17.0	
01/24/06	L4 Area 500-gallon NAPL Recovery Tank	14.5	
01/24/06	Accumulated NAPL - "Drum West"	11.8	
01/24/06	Accumulated NAPL - "Drum East"	14.1	
09/12/06	L4 Area 500-gallon NAPL Recovery Tank	17.7	
09/12/06	L4 Area 1,000-gallon NAPL Recovery Tank	21.6	Includes oil collected from PWW well (now designated RW-1)
09/13/07	OU-2	10.1	
07/02/09	L4 Area 500-gallon NAPL Recovery Tank	8.45	
07/02/09	L4 Area 1,000-gallon NAPL Recovery Tank	9.25	Recovered oil from PWW well (now designated RW-1)
12/03/09	L4 Area 500-gallon NAPL Recovery Tank	33.2	
12/03/09	L4 Area 1,000-gallon NAPL Recovery Tank	34.0	Recovered oil from PWW well (now designated RW-1)
03/17/10	OU-2 East Drum	12.53	
03/17/10	OU-2 West Drum	12.45	
10/21/10	OU-2 Oil	4.65	
03/10/11	Harmon OU-2 East	ND (<1.0)	
07/02/12	Harmon OU-2 RW-1 NAPL Accumulation Drums	ND (<1.0)	Primarily includes oil collected from RW-1
01/07/13	Harmon OU-2 L 4 Area Accumulation Drums	9.01	Primarily includes oil collected from RW-1

ATTACHMENT A

DECLARATION of COVENANTS and RESTRICTIONS

with

PROPERTY SURVEY MAP

DECLARATION of COVENANTS and RESTRICTIONS

THIS COVENANT is made the 12th day of JUNE 2012, by Midtown Trackage Ventures, LLC, ("Midtown") a limited liability company organized and existing under the laws of the State of Delaware, and having an office for the transaction of business at 551 5th Avenue, 34th Floor, New York, New York 10176, and its lessee Metropolitan Transportation Authority ("MTA") a New York State public benefit corporation, acting by and for its subsidiary, Metro-North Commuter Railroad Company ("Metro-North") and having an office at 347 Madison Avenue, 7th Floor, New York, New York 10017.

WHEREAS, Harmon Railroad Yard Site Number 360010, Operable Units 1 and 2, is the subject of a Stipulation of Discontinuance, Index Number 383-89 (recorded by the Albany County Clerk's Office on August 10, 1994), as part of the New York State Department of Environmental Conservation's (the "Department's") State Superfund Program, namely portions of that parcel of real property located on 1 Croton Point Avenue in the Town of Croton-on-Hudson, County of Westchester, State of New York, being more particularly described in Appendix "A," attached to this declaration and made a part hereof, and hereinafter referred to as "the Property"; and

WHEREAS, the Property is: (a) part of lands conveyed by American Premier Underwriters Inc. to Midtown, by deed dated December 12, 2006 and recorded in the Westchester County Clerk's Office on April 4, 2007 as Instrument Number 470850158; (b) part of the premises that is subject to that certain long-term lease (terminating in 2274) titled, Amended and Restated Agreement of Lease dated April 6, 1994 with the MTA as lessee (as amended from time to time, the "MTA Lease"); and (c) operated by Metro-North (an affiliate of MTA) as a railroad yard; and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Property and such remedy requires that the Property be subject to restrictive covenants.

NOW, THEREFORE, Midtown, MTA and Metro-North for themselves and their successors and/or assigns, covenant that:

First, the Property subject to this Declaration of Covenants and Restrictions is as shown on a map attached to this declaration as Appendix "B" and made a part hereof.

Second, unless prior written approval hy the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the Property subject to the

provisions of the Site Management Plan ("SMP"), there shall be no construction, use or occupancy of the Property by Midtown, MTA or Metro-North (individually or collectively or acting through agents) that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or the monitoring well network, or which results in unacceptable human exposure to contaminated soils.

Third, none of Midtown, MTA or Metro-North (individually or collectively or acting through agents) shall disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls or the monitoring well network required for the Remedy, which are described in the SMP, without first obtaining a written waiver of such prohibition from the Department or Relevant Agency.

Fourth, none of Midtown, MTA or Metro-North (individually or collectively or acting through agents) shall use, or permit the use of, the Property for purposes other than for the current land use (as a closed lagoon and above grade material storage facility/parking area for equipment used by Metro-North Railroad) without the express written waiver of such prohibition by the Department or Relevant Agency.

Fifth, none of Midtown, MTA or Metro-North (individually or collectively or acting through agents) shall use, or permit the use of, the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency.

Sixth, (a) MTA and Metro-North agree to be responsible for providing periodic certifications, prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired for the term of the Midtown lease with MTA and (h) Midtown agrees to require any subsequent lessees and operators to provide such periodic certifications.

Seventh, (a) MTA, Metro-North and Midtown shall continue in full force and effect any institutional and engineering controls required for the Remedy and maintain such controls, unless Midtown, MTA or Metro-North first obtains permission to discontinue such controls from the Department or Relevant Agency, in compliance with the approved SMP (prepared by Day Engineering, P.C., dated December 13, 2011), which is incorporated and made enforceable hereto, subject to modifications as approved by the Department or Relevant Agency and (b) Midtown agrees to require any subsequent lessees and operators not to interfere with the institutional and engineering controls required for the Remedy.

Eighth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner and

its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that the Stipulation of Discontinuance, Index Number 383-89, requires to be recorded, and the owner and its successors and assigns hereby covenant not to contest the authority of the Department or Relevant Agency to seek enforcement.

Ninth, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Department or Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

IN WITNESS WHEREOF, the undersigned have executed this instrument the date first written below.

Midtown TDR Ventures LLC

By: _____
Andrew S. Penson

Authorized Representative

Date: 5/30/12

STATE OF NEW YORK)

) s.s.:

COUNTY OF New York

On the 30 day of May, in the year 201_, before me, the undersigned, personally appeared Andrew Penson, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public State of New York

CARMENCELIA TURINO-RIVERA
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01TU6141365
Qualified in Bronx County
Commission Expires February 21, 2014

IN WITNESS WHEREOF, the parties have set their hands on the day and year first above written.

Metropolitan Transportation Authority

By: _____
Jeffery B. Rosen
Director of Real Estate

STATE OF NEW YORK]

COUNTY OF NEW YORK] ss:

On the 14th day of MAY, 2012, before me, the undersigned a notary public in and for the State of New York personally appeared Jeffrey B. Rosen, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity, and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public

ODETTE FORESTIER
Notary Public, State of New York
No. 01FO6167398
Qualified in New York County
Commission Expires September 16, 2015

IN WITNESS WHEREOF, the parties have set their hands on the day and year first above written.

Metro-North Commuter Railroad Company

By: Seth J. Cummins
Vice President and General Counsel

STATE OF NEW YORK]

COUNTY OF NEW YORK] ss:

On the 22nd day of May, 2012, before me, the undersigned a notary public in and for the State of New York personally appeared Seth J. Cummins personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity, and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public

Karen L Tinko
Notary Public State of New York
Westchester County
Lic. #02TI4946811
Comm. Exp. Feb. 6, 2015

Appendix A

▪ TERRY BERGENDORFF COLLINS ▪

Professional Land Surveyor
N.Y.S Lic. No. 49691
52 Starr Ridge Road ▪ Brewster, New York 10509



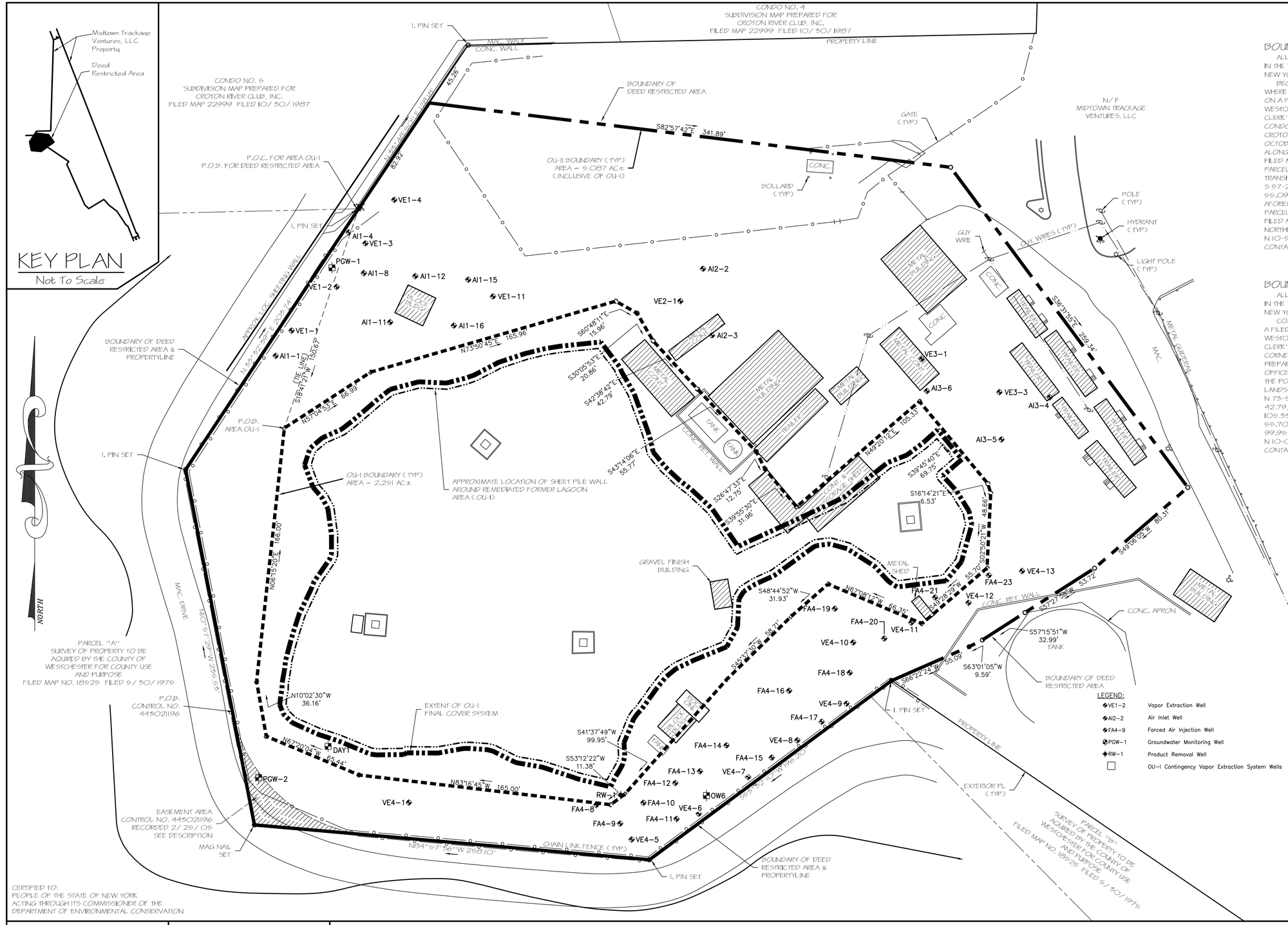
Telephone: (845) 279-4261 Fax: (845) 279-6838

Successor to Robert H. Bergendorff, James C. Edgen, William Alexander
www.terrybergendorffcollins.com

Metropolitan Transit Authority
Proposed Easement Area OU-1
July 20, 2011
Job No. Croton Harmon
G:\Deeds\Day Engineering\OU-1 Parcel

All that certain plot, piece or parcel of land situate, lying and being in the Village of Croton-on-Hudson, County of Westchester and State of New York and being more particularly described as follows:

Beginning at the northwesterly corner of the parcel herein described and which point is distant S 18-41-21 W 150.67 from the northeasterly corner of Parcel "A" as shown on a filed map entitled "Survey of Property to be Acquired by the County of Westchester for County Use and Purpose" filed in the Westchester County Clerk's Office May 30, 1975 as filed map no. 18525 and the southeasterly corner of Condo No. 5 as shown on a filed map entitled "Subdivision Map prepared for Croton River Club, Inc" filed in the Westchester County Clerk's Office October 30, 1987 as filed map no. 22999; thence from said point of beginning through lands now or formerly Metropolitan Transit Authority N 57-04-53 E 66.99, N 73-50-45 E 165.96, S 60-48-11 E 15.96, S 30-05-53 E 20.86, S 42-38-42 E 42.79, S 43-14-06 E 55.77, S 26-47-33 E 12.75, S 39-55-30 E 31.96, N 49-20-12 E 105.33, S 39-45-40 E 69.75, S 16-14-21 E 6.53, S 2-50-21 W 48.66, S 49-28-29 W 55.70, N 67-08-12 W 66.35, S 48-44-52 W 31.93, S 45-37-30 W 58.71, S 41-37-49 W 99.95, S 53-12-22 W 11.38, N 83-16-45 W 165.00, N 67-20-04 W 65.44, N 10-02-30 W 36.16 and N 6-15-20 E 166.00 to the point and place of beginning. Containing within said bounds 2.251 acres more or less.



BOUNDARY OF DEED RESTRICTED AREA AND AREA OU-II:

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND SITUATE, LYING AND BEING IN THE VILLAGE OF CROTON-ON-HUDSON, COUNTY OF WESTCHESTER AND STATE OF NEW YORK AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WESTERLY LINE OF THE PARCEL HEREIN DESCRIBED WHERE THE SAME IS INTERSECTED BY THE NORTHERLY LINE OF PARCEL "A" AS SHOWN ON A FILED MAP ENTITLED "SURVEY OF PROPERTY TO BE ACQUIRED BY THE COUNTY OF WESTCHESTER FOR COUNTY USE AND PURPOSE" FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE MAY 30, 1975 AS FILED MAP NO. 18525 AND THE SOUTHERLY LINE OF CONDO NO. 5 AS SHOWN ON A FILED MAP ENTITLED "SUBDIVISION MAP PREPARED FOR CROTON RIVER CLUB, INC." FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE OCTOBER 30, 1987 AS FILED MAP NO. 22999; THENCE FROM SAID POINT OF BEGINNING ALONG THE EASTERLY LINE OF CONDO NO. 5 AS SHOWN ON THE AFOREMENTIONED FILED MAP NO. 22999 N 55-48-50 E 82.92 TO THE NORTHWESTERLY CORNER OF THE PARCEL HEREIN DESCRIBED; THENCE THROUGH LANDS NOW OR FORMERLY METROPOLITAN TRANSIT AUTHORITY S 82-57-42 E 341.89, S 56-51-55 E 259.34, S 49-06-05 W 80.31, S 57-27-58 W 55.72, S 57-16-51 W 32.99, S 63-01-05 W 9.59 AND S 66-22-24 W 56.09 TO A POINT ON THE NORTHERLY LINE OF PARCEL "B" AS SHOWN ON THE AFOREMENTIONED FILED MAP NO. 18525; THENCE PARTLY ALONG THE NORTHERLY LINE OF PARCEL "B" AND PARTLY ALONG THE NORTHERLY LINE OF PARCEL "A" AS SHOWN ON SAID FILED MAP NO. 18525 S 53-32-10 W 196.20 TO A POINT; THENCE CONTINUING ALONG THE NORTHERLY AND EASTERLY LINES, RESPECTIVELY, OF PARCEL "A" N 84-57-39 W 258.10, N 10-57-29 W 255.55 AND N 33-32-39 E 203.74 TO THE POINT AND PLACE OF BEGINNING. CONTAINING WITHIN SAID BOUNDS 5.087 ACRES MORE OR LESS.

BOUNDARY OF AREA OU-I

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND SITUATE, LYING AND BEING IN THE VILLAGE OF CROTON-ON-HUDSON, COUNTY OF WESTCHESTER AND STATE OF NEW YORK AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING FROM THE NORTHEASTERLY CORNER OF PARCEL "A" AS SHOWN ON A FILED MAP ENTITLED "SURVEY OF PROPERTY TO BE ACQUIRED BY THE COUNTY OF WESTCHESTER FOR COUNTY USE AND PURPOSE" FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE MAY 30, 1975 AS FILED MAP NO. 18525 AND THE SOUTHEASTERLY CORNER OF CONDO NO. 5 AS SHOWN ON A FILED MAP ENTITLED "SUBDIVISION MAP PREPARED FOR CROTON RIVER CLUB, INC." FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE OCTOBER 30 1987 AS FILED MAP NO 22999, THENCE S 18-41-21 W 150.67 TO THE POINT AND PLACE OF BEGINNING; THENCE FROM SAID POINT OF BEGINNING THROUGH LANDS NOW OR FORMERLY METROPOLITAN TRANSIT AUTHORITY N 67-04-53 E 66.99, N 73-50-45 E 165.96, S 60-48-11 E 15.96, S 30-05-53 E 20.86, S 42-38-42 E 42.79, S 43-14-06 E 55.77, S 26-47-33 E 12.75, S 39-55-30 E 31.96, N 49-20-12 E 105.33, S 39-45-40 E 69.75, S 16-14-21 E 6.53, S 2-50-21 W 48.66, S49-28-29 W 55.70, N67-08-12 W 66.15, S48-44-52 W 31.93, S 45-57-30 W 58.71, S 41-37-49 W 99.95, S53-12-22 W 11.38, N 83-16-45 W 165.00, N 67-20-04 W 69.44, N 10-02-30 W 36.16 AND N 68-15-20 E 166.00 TO THE POINT AND PLACE OF BEGINNING. CONTAINING WITHIN SAID BOUNDS 2.291 ACRES MORE OR LESS.

CONTROL NO. 443021196

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND SITUATE, LYING AND BEING LOCATED IN THE VILLAGE OF CROTON-ON-HUDSON, TOWN OF CORTLANDT, COUNTY OF WESTCHESTER, STATE OF NEW YORK AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE DIVISION LINE BETWEEN PROPERTY NOW OR FORMERLY METROPOLITAN TRANSPORTATION AUTHORITY ON THE EAST AND PROPERTY NOW OR FORMERLY COUNTY OF WESTCHESTER ON THE WEST, SAID POINT BEING DISTANT 364.42 FEET SOUTHERLY AS MEASURED ON THE FOLLOWING COURSES AND DISTANCES: S 35°52'56" W 205.39 FEET AND S 11°00'42" E 161.05 FEET TO A POINT OF BEGINNING, SAID LATTER POINT BEING THE SOUTHEAST CORNER OF CONDO NO. 5 AS SHOWN ON A MAP ENTITLED "SUBDIVISION MAP PREPARED FOR CROTON RIVER CLUB INC." DATED MAR. 17, 1987 AND FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE (DIVISION OF LAND RECORDS) ON OCT. 30, 1987 AS MAP NO. 22999; RUNNING THENCE FROM SAID POINT OF BEGINNING ALONG THE PERIMETER OF THE HEREIN DESCRIBED EASEMENT AREA ON A CURVE TO THE LEFT HAVING A RADIUS OF 100.00 FEET, AN ARC LENGTH OF 128.80 FEET TO A POINT , THENCE N 84° 48' 28" W 79.08 FEET AND N 11° 00' 42" W 79.08 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 1,068 SQ. FT., MORE OR LESS.

NOTE:
THE EASEMENT DESCRIPTION AS RECORDED IN CONTROL NO. 443021196 IS BASED ON A DIFFERENT BEARING SYSTEM THAN THE SURVEY, WHICH WAS CREATED TO MATCH THE BEARING SYSTEM AS SHOWN ON FILED MAP NO. 18525

VILLAGE OF CROTON-ON-HUDSON
TAX MAP DESIGNATION:
78.20-2-P.O. 2
WESTCHESTER COUNTY, NY
TAX MAP DESIGNATION:
SHEET 153, BLOCK 11887

CERTIFIED TO:
PEOPLE OF THE STATE OF NEW YORK
ACTING THROUGH ITS COMMISSIONER OF THE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CERTIFICATIONS INDICATED HEREON SIGNIFY THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC. CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THIS SURVEY WAS PREPARED AND ON HIS BEHALF TO THE TITLE CO. AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

TERRY BERGENDORFF COLLINS
52 STARR RIDGE ROAD
BREWSTER, NEW YORK 10509
N.Y.S. LICENSE NO. 49691

SURVEYORS SEAL

N.Y.S. LICENSE NO. 49691

SURVEY OF PROPERTY
PREPARED FOR
METRO-NORTH RAILROAD
SITUATE IN
VILLAGE OF CROTON-ON-HUDSON
TOWN OF CORTLANDT WESTCHESTER CO., N.Y.
SCALE: 1" = 30' JUNE 28, 2011

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GRAPHIC SCALE
30'/9.14M 0 15'/4.57M 30'/9.14M 60'/19.29M 120'/36.58M
1 inch = 30 ft.
1 inch = 9.14 m

REVISIONS		
DATE	DESCRIPTION	BY:
7/7/11	ADD I. PIN SET	DM
10/6/11	REV. PER ENG.	DM
11/4/11	REV. PER ENG.	DM
12/5/11	REV. PER DEC	DM

THE ALTERATION OF SURVEY MAPS BY ANYONE OTHER THAN THE ORIGINAL PREPARER IS MISLEADING, CONFUSING AND NOT IN THE GENERAL WELFARE AND BENEFIT OF THE PUBLIC. LICENSED LAND SURVEYORS SHALL NOT ALTER SURVEY MAPS, SURVEY PLANS OR SURVEY PLATS PREPARED BY OTHERS. UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION # 7209 OF THE NEW YORK STATE EDUCATION LAW. THE LOCATION OF UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY EXIST OR ARE SHOWN HEREON, ARE NOT CERTIFIED. ALL CERTIFICATIONS HEREON ARE VALID FOR THIS MAP AND COPIES THEREOF ONLY IF SAID MAP OR COPIES BEAR THE IMPRESSED SEAL OF THE SURVEYOR WHOSE SIGNATURE APPEARS HEREON. THIS MAP MAY NOT BE USED IN CONNECTION WITH A "SURVEY AFFIDAVIT" OR SIMILAR DOCUMENT, STATEMENT OR MECHANISM TO OBTAIN TITLE INSURANCE FOR ANY SUBSEQUENT OR FUTURE GRANTEES.

JOB NO. CROTON HARMON (G:\DRAWINGS\PROJECTS\DAY ENGINEERING\SURVEY_12.5.11.DWG)

ATTACHMENT B

INSPECTION REPORTS

OU-I and OU-II INSPECTION

CONDUCTED

MARCH 27, 2012

4/12

Metro-North Railroad Harmon Yard Operational Unit OU-I and OU-II
Inspection Form
NYSDEC Site Number 3-60-010

Note the location(s) of the inspection findings described below on the attached site sketch. Also attach copies of photographs to document conditions observed at the time of this inspection and show the location/orientation of the photographs taken on the site sketch.

OU-I Asphalt Cover

	Yes	No	Corrective Action Needed?
Are there any cracks in the asphalt cover?	✓		
Any geotextile observed?		✓	
Is there any surface water ponding on the asphalt cover?	✓		Minimal
Is there any evidence of settlement?	✓		Some Not too bad
Is there any elevation difference at the grouted manhole covers?		✓	
Settlement or erosion in the area of the perimeter sheet pile wall?		✓	

Specify the Recommended Corrective Actions and Other Relevant Observations:

Structures to fill cracks.

OU-I Contingency Air-Inlet/Vapor Extraction Well Clusters

Describe the condition of the protective covers and the well clusters. Also, provide other relevant observations, and include photographs (if warranted).

See photos – Need to drain vaults ~ wells were Accessible. Need to clean trash around perimeter / stack items neatly

OU-II Areas Around the Asphalt Cover

Are there any erosion rivulets?		✓	
Is there evidence of any washouts or soil slides?		✓	
Is the vegetative cover maintained?		✓	Need to Remind to spray weeds
Is there debris or other material on the slopes?		✓	
Settlement or erosion in the area of the NAPL Area L1 sheet pile wall?		✓	

Specify the Recommended Corrective Actions and Other Relevant Observations:

See photos – ☒ Inspection done. Dunny Low Flow Sampling.

OU-II Monitoring and Product Removal Wells

Describe condition of monitoring wells and protective casings noting wells that require repairs. If warranted include photographs of wells and note the location of the photograph and well on the site sketch.

Good Conditions –

OU-I/OU-II Drainage Channels

	Yes	No	Corrective Action Needed?
Is there any exposed geotextile in the drainage channel?		✓	
If so, is the exposed geotextile damaged?		✓	
Is there significant sedimentation in the drainage channel?		✓	

[The rip rap drainage channel is located adjacent to the asphalt cover so there should be minimal sedimentation, and any significant sedimentation should be investigated to determine its source and cause.]

Specify the Recommended Corrective Actions and Other Relevant Observations:

Looks good.

OU-I/OU-II Waste Accumulation Drums and Tank

	Yes	No	Corrective Action Needed?
Is the 500-gallon waste oil disposal AST full?		✓	
Are the 55-gallon waste oil disposal drums full?		✓	
Is the 55-gallon NRD disposal drum full?		✓	
Evidence of spillage/leakage in the area of disposal vessels?		✓	

Tank to be decon and taken out of service

Explain when the drums and AST were last sampled, and attach copies of test results (if available). Identify when the drums and AST last emptied/replaced and list disposal facilities/dates (if known). Provide additional information as warranted.

Complete 4/12

- Have set up area in Bldg. Bud's Crew have been using.
- Will no longer be using Tank - are not generating alot of oil - a Drum will be used

OU-I/OU-II Perimeter Fencing

	Yes	No	Corrective Action Needed?
Is there any damaged fencing?		✓	
Is there any vegetation close to the exterior of the fence that should be removed to eliminate a means for access to the Site over the fence?	✓		
Are the gate locks present and in good working condition?		✓	

Specify Correction Actions Needed:

remind structures to spray for weeds.

Date of Inspection: 3/27/12 Inspection Completed By: Joanne Rudolf

cc: Metro-North Department of Environmental Compliance and Services

RLK4163





Photos for SMP Inspection – March/April 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 1 of 8



Photos for SMP Inspection – March/April 2012
Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 2 of 8





Photos for SMP Inspection – March/April 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 3 of 8





Photos for SMP Inspection – March/April 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 4 of 8





Photos for SMP Inspection – March/April 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 5 of 8



Photos for SMP Inspection – March/April 2012
Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 6 of 8





OU-I & II Waste Accumulation Area

Photos for SMP Inspection – March/April 2012
Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 7 of 8



Photos for SMP Inspection – March/April 2012
Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 3/27/12
Pic 8 of 8

OU-I and OU-II INSPECTION

CONDUCTED

SEPTEMBER 10 and 24, 2012

9/12

Metro-North Railroad Harmon Yard Operational Unit OU-I and OU-II
Inspection Form
NYSDEC Site Number 3-60-010

Note the location(s) of the inspection findings described below on the attached site sketch. Also attach copies of photographs to document conditions observed at the time of this inspection and show the location/orientation of the photographs taken on the site sketch.

OU-I Asphalt Cover

	Yes	No	Corrective Action Needed?
Are there any cracks in the asphalt cover?	✓		
Any geotextile observed?		✓	
Is there any surface water ponding on the asphalt cover?	✓		
Is there any evidence of settlement?	✓		
Is there any elevation difference at the grouted manhole covers?		✓	
Settlement or erosion in the area of the perimeter sheet pile wall?		✓	

~ will talk to structures.

Specify the Recommended Corrective Actions and Other Relevant Observations:
Have to talk to Structres — Wes Kennen — structure with me & Inspection.

OU-I Contingency Air-Inlet/Vapor Extraction Well Clusters

Describe the condition of the protective covers and the well clusters. Also, provide other relevant observations, and include photographs (if warranted).
Vaults were drained
Site was cleaned and organized -
Looked Good

OU-II Areas Around the Asphalt Cover

	Yes	No	Corrective Action Needed?
Are there any erosion rivulets?		✓	
Is there evidence of any washouts or soil slides?		✓	
Is the vegetative cover maintained?		✓	
Is there debris or other material on the slopes?		✓	
Settlement or erosion in the area of the NAPL Area L1 sheet pile wall?		✓	

Specify the Recommended Corrective Actions and Other Relevant Observations:
Everything looks good.

OU-II Monitoring and Product Removal Wells

Describe condition of monitoring wells and protective casings noting wells that require repairs. If warranted include photographs of wells and note the location of the photograph and well on the site sketch.
Good Conditions — Bond's Crew Have
Been Maintaining

OU-I/OU-II Drainage Channels

	Y	N	
Is there any exposed geotextile in the drainage channel?		✓	
If so, is the exposed geotextile damaged?		✓	
Is there significant sedimentation in the drainage channel?		✓	

(The rip rap drainage channel is located adjacent to the asphalt cover so there should be minimal sedimentation, and any significant sedimentation should be investigated to determine its source and cause.]

Specify the Recommended Corrective Actions and Other Relevant Observations:

Drainage looks okay :

	Yes	No	Corrective Action Needed?
OU-I/OU-II Waste Accumulation Drums and Tank			
Is the 500-gallon waste oil disposal AST full?		✓	
Are the 55-gallon waste oil disposal drums full?		✓	
Is the 55-gallon NRD disposal drum full?		✓	
Evidence of spillage/leakage in the area of disposal vessels?		✓	

See SMP Field Sheet

Explain when the drums and AST were last sampled, and attach copies of test results (if available). Identify when the drums and AST last emptied/replaced and list disposal facilities/dates (if known). Provide additional information as warranted.

We have Created a Field Sheet to track all This info As part of SMP

OU-I/OU-II Perimeter Fencing			
Is there any damaged fencing?		✓	
Is there any vegetation close to the exterior of the fence that should be removed to eliminate a means for access to the Site over the fence?	✓	✓	→ Weeds were sprayed
Are the gate locks present and in good working condition?	✓		

Specify Correction Actions Needed:

Site is Locked nightly and now under Camera Surveillance

Date of Inspection: 9/10/12 9/24/12 Inspection Completed By: Joanne Reilly

cc: Metro-North Department of Environmental Compliance and Services

RLK4163



Photos for SMP Inspection – Sept. 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 9/10/12
Pic 1 of 5





Photos for SMP Inspection – Sept. 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 9/10/12
Pic 2 of 5



Photos for SMP Inspection – Sept. 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 9/10/12
Pic 3 of 5



Photos for SMP Inspection – Sept. 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 9/10/12
Pic 4 of 5





Photos for SMP Inspection – Sept. 2012

Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Photo taken 9/10/12
Pic 5 of 5

OU-I and OU-II INSPECTION

CONDUCTED

NOVEMBER 2, 2012

To David Chiusano
Fax. 518.402-9819

From: Joanne Reilly
Metro-North RR
Off: 914 461 0598

Hurricane Project Status Report

Project Information

Site Name: Metro-North Railroad Site No. 3600010

Address: Harmon Yard, One Croton Point Ave

DEC PM Name: SMP - OU I & II No. 3-60-010

Site Primary Contact Name and No.: Joanne Reilly 917-371-5845

Site Alternate Contact Name and No.: Wes Kennen 646-773-2007

Regim 3 — Hurricane Sandy
10/29/12

Damage and Release Assessment

Does the project have stockpiles? (Yes/No)

Are the stockpiles damaged? (Yes/No)

If yes, please provide photographs. Has the damage been repaired? (Yes/No)

Did soil from the project site move offsite? (Yes/No)

If yes, please describe the approximate volume, nature of impact and area of impact (mud in roads, etc.). Also provide photograph.

Was there any erosion damage? No none

Are there any onsite contaminant exposures caused by the storm? No

Status of stockpiles: N/A

Was the excavation damaged? No - N/A

Were there any onsite spill or other releases not described above? No

Spill reported to DEC yet? —

Have all active remedial systems (GW pump and treatment, SVE/AS, SSDS) been checked and verified to be operating properly? yes

Was any remedial equipment (pumps, blowers, etc) flooded/damaged by the storm? NO

The yard lost power temporarily - But did not affect Area

What corrective actions have been implemented? none

What corrective actions are planned? none. - Removal of Down tree Branches.

What is the schedule for corrective actions? Completed -

Have any environmental response been made (i.e. spills)? Any other pertinent information to report?

No: Area was unaffected By storm. Some Down tree Branches. All wells are functional. Joanne Reilly 11/2/12 ✓

→ David, FYI our email system is Down... I will Forward Electronic Copy when up and running.

Please complete this report and email it back with **PHOTOGRAPHS** of impacted areas to your assigned DEC Project Manager.

SMP
Harman Yd
Lagoon

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2522
CONNECTION TEL	915184029819
SUBADDRESS	
CONNECTION ID	
ST. TIME	11/02 14:50
USAGE T	00'30
PGS. SENT	2
RESULT	OK

To David Chiusano
Fax. 518.402-9819

From: Joanne Reilly
Metro-North RR
Off: 914 461 0598

Hurricane Project Status Report

Project Information

Site Name: Metro-North Railroad Site No. 360010

Address: Harmon Yard, One Croton Point Ave

DEC PM Name: SMP - OU I & II No. 3-60-010

Site Primary Contact Name and No.: Joanne Reilly 917-371-5845

Site Alternate Contact Name and No.: Wes Kennen 646-773-2007

Region 3 — Hurricane Sandy
10/29/12

Damage and Release Assessment

Does the project have stockpiles? (Yes/(No))

Are the stockpiles damaged? (Yes/(No))

If yes, please provide photographs. Has the damage been repaired? (Yes/No)

Did soil from the project site move offsite? (Yes/(No))

If yes, please describe the approximate volume, nature of impact and area of impact (mud in roads, etc.). Also provide photograph.

Was there any erosion damage? No. none



Photos for Hurricane Project Status Report

Metro-North Railroad Site No. 360010

Harmon Yard – SMP OU-I/II

Hurricane Sandy 10/29/12; Report sent 11/2/2012; Photo taken 11/9/12

Pic 1 of 4



Photos for Hurricane Project Status Report
Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Hurricane Sandy 10/29/12; Report sent 11/2/2012; Photos taken 11/9/12
Pic 2 of 4



Photos for Hurricane Project Status Report
Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Hurricane Sandy 10/29/12; Report sent 11/2/2012; Photos taken 11/9/12
Pic 3 of 4



Photos for Hurricane Project Status Report
Metro-North Railroad Site No. 360010
Harmon Yard – SMP OU-I/II
Hurricane Sandy 10/29/12; Report sent 11/2/2012; Photos taken 11/9/12
Pic 4 of 4

ATTACHMENT C

PCB TEST RESULTS

for

RECOVERED NAPL

ATTACHMENT C

NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II NAPL Areas L1 through L4

Summary of Waste Characterization Testing for PCB's
Recovered NAPL

Date Sampled	Sample Location	Total PCBs (mg/Kg)	Remarks
04/29/02	L4 Area 500-gallon NAPL Recovery Tank	119	Sample also tested for VOCs, SVOCs, and TCLP RCRA metals
08/26/02	L4 Area 500-gallon NAPL Recovery Tank	103	
03/06/03	L1/L2 NAPL Accumulation Drums	ND (<1.0)	Sample also tested for VOCs, SVOCs, and total RCRA metals, specific gravity, and flashpoint
03/04/03	L3 NAPL Accumulation Drum	ND (<1.0)	Sample also tested for VOCs, SVOCs, and total RCRA metals, specific gravity, and flashpoint
03/04/03	L4 Area 500-gallon NAPL Recovery Tank	10.2	Sample also tested for VOCs, SVOCs, and total RCRA metals, specific gravity, and flashpoint
11/20/03	L4 Area 500-gallon NAPL Recovery Tank	10.7	
09/28/04	L4 NAPL Accumulation Drum #1	14.0	
09/28/04	L4 NAPL Accumulation Drum #2	13.5	
09/28/04	L4 Area 500-gallon NAPL Recovery Tank	10.9	Primarily includes oil collected from VE4-5
06/27/05	L4 Area 500-gallon NAPL Recovery Tank	17.0	
01/24/06	L4 Area 500-gallon NAPL Recovery Tank	14.5	
01/24/06	Accumulated NAPL - "Drum West"	11.8	
01/24/06	Accumulated NAPL - "Drum East"	14.1	
09/12/06	L4 Area 500-gallon NAPL Recovery Tank	17.7	
09/12/06	L4 Area 1,000-gallon NAPL Recovery Tank	21.6	Includes oil collected from PWW well (now designated RW-1)
09/13/07	OU-2	10.1	
07/02/09	L4 Area 500-gallon NAPL Recovery Tank	8.45	
07/02/09	L4 Area 1,000-gallon NAPL Recovery Tank	9.25	Recovered oil from PWW well (now designated RW-1)
11/25/09	L4 Area 500-gallon NAPL Recovery Tank	33.2	
11/25/09	L4 Area 1,000-gallon NAPL Recovery Tank	34.0	Recovered oil from PWW well (now designated RW-1)
03/17/10	OU-2 East Drum	12.53	
03/17/10	OU-2 West Drum	12.45	
10/21/10	OU-2 Oil	4.65	
03/10/11	Harmon OU-2 East	ND (<1.0)	
07/02/12	Harmon OU-2 RW-1 NAPL Accumulation Drums	ND (<1.0)	Primarily includes oil collected from RW-1
01/07/13	Harmon OU-2 L 4 Area Accumulation Drums	9.01	Primarily includes oil collected from RW-1

York Analytical Report

for NAPL Sample

Collected April 29, 2002

Report Date: 5/17/2002
Client Project ID: Fleet #B2681
York Project No.: 02050100

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/03/02. The project was identifed as your project "Fleet #B2681 ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			OU2 Recovery Tank Harmon	
York Sample ID			02050100-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	2500
1,1,1-Trichloroethane			Not detected	2500
1,1,2,2-Tetrachloroethane			Not detected	2500
1,1,2-Trichloroethane			Not detected	2500
1,1-Dichloroethane			Not detected	2500
1,1-Dichloroethylene			Not detected	2500
1,1-Dichloropropylene			Not detected	2500
1,2,3-Trichlorobenzene			Not detected	2500
1,2,3-Trichloropropane			Not detected	2500
1,2,3-Trimethylbenzene			Not detected	2500
1,2,4-Trichlorobenzene			Not detected	2500
1,2,4-Trimethylbenzene			220000	2500
1,2-Dibromo-3-chloropropane			Not detected	2500
1,2-Dibromoethane			Not detected	2500
1,2-Dichlorobenzene			Not detected	2500
1,2-Dichloroethane			Not detected	2500

YORK

Client Sample ID			QU2 Recovery Tank Harmon	
York Sample ID			02050100-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
2,4-Dichlorophenol			Not detected	990000
2,4-Dimethylphenol			Not detected	990000
2,4-Dinitrophenol			Not detected	5100000
2,4-Dinitrotoluene			Not detected	990000
2,6-Dinitrotoluene			Not detected	990000
2-Chloronaphthalene			Not detected	990000
2-Chlorophenol			Not detected	990000
2-Methylnaphthalene			4700000	990000
2-Methylphenol			Not detected	990000
2-Nitroaniline			Not detected	5100000
2-Nitrophenol			Not detected	990000
3,3'-Dichlorobenzidine			Not detected	990000
3-Nitroaniline			Not detected	5100000
4,6-Dinitro-2-methylphenol			Not detected	5100000
4-Bromophenyl phenyl ether			Not detected	990000
4-Chloro-3-methyl phenol			Not detected	990000
4-Chloroaniline			Not detected	990000
4-Chlorophenyl phenyl ether			Not detected	990000
4-Methylphenol			Not detected	990000
4-Nitroaniline			Not detected	5100000
4-Nitrophenol			Not detected	5100000
Acenaphthene			Not detected	990000
Acenaphthylene			Not detected	990000
Anthracene			Not detected	990000
Benzo(a)anthracene			Not detected	990000
Benzo(a)pyrene			Not detected	990000
Benzo(b)fluoranthene			Not detected	990000
Benzo(g,h,i)perylene			Not detected	990000
Benzo(k)fluoranthene			Not detected	990000
Benzyl alcohol			Not detected	990000
Bis(2-chloroethoxy)methane			Not detected	990000
Bis(2-chloroethyl)ether			Not detected	990000
Bis(2-chloroisopropyl)ether			Not detected	990000
Bis(2-ethylhexyl)phthalate			1800000	990000
Butyl benzyl phthalate			Not detected	990000
Chrysene			Not detected	990000
Dibenz(a,h)anthracene			Not detected	990000
Dibenzofuran			Not detected	990000
Diethylphthalate			Not detected	990000
Dimethylphthalate			Not detected	990000
Di-n-butylphthalate			Not detected	990000
Di-n-octylphthalate			Not detected	990000
Fluoranthene			Not detected	990000
Fluorene			Not detected	990000
Hexachlorobenzene			Not detected	990000
Hexachlorobutadiene			Not detected	990000
Hexachlorocyclopentadiene			Not detected	990000
Hexachloroethane			Not detected	990000
Indeno(1,2,3-cd)pyrene			Not detected	990000
Isophorone			Not detected	990000
Naphthalene			Not detected	990000

YORK

Client Sample ID			OU2 Recovery Tank Harmon	
York Sample ID			02050100-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	2500
1,2-Dichloropropane			Not detected	2500
1,3,5-Trimethylbenzene			71000	2500
1,3-Dichlorobenzene			Not detected	2500
1,3-Dichloropropane			Not detected	2500
1,4-Dichlorobenzene			Not detected	2500
1-Chlorohexane			Not detected	2500
2,2-Dichloropropane			Not detected	2500
2-Chlorotoluene			Not detected	2500
4-Chlorotoluene			Not detected	2500
Benzene			Not detected	2500
Bromobenzene			Not detected	2500
Bromochloromethane			Not detected	2500
Bromodichloromethane			Not detected	2500
Bromoform			Not detected	2500
Bromomethane			Not detected	2500
Carbon tetrachloride			Not detected	2500
Chlorobenzene			Not detected	2500
Chloroethane			Not detected	2500
Chloroform			Not detected	2500
Chloromethane			Not detected	2500
cis-1,3-Dichloropropylene			Not detected	2500
Dibromochloromethane			Not detected	2500
Dibromomethane			Not detected	2500
Dichlorodifluoromethane			3000	2500
Ethylbenzene			Not detected	2500
Hexachlorobutadiene			5500	2500
Isopropylbenzene			Not detected	2500
Methylene chloride			650000	2500
Naphthalene			100000	2500
n-Butylbenzene			16000	2500
n-Propylbenzene			12000	2500
o-Xylene			6600	2500
p- & m-Xylenes			23000	2500
p-Isopropyltoluene			20000	2500
sec-Butylbenzene			Not detected	2500
Styrene			22000	2500
tert-Butylbenzene			9600	2500
Tetrachloroethylene			Not detected	2500
Toluene			Not detected	2500
trans-1,3-Dichloropropylene			Not detected	2500
Trichloroethylene			Not detected	2500
Trichlorofluoromethane			Not detected	2500
Vinyl chloride			—	—
Base-Neutral/Acid Extractables	SW846-3580A-8270	ug/Kg		
1,2,4-Trichlorobenzene			Not detected	990000
1,2-Dichlorobenzene			Not detected	990000
1,3-Dichlorobenzene			Not detected	990000
1,4-Dichlorobenzene			Not detected	990000
2,4,5-Trichlorophenol			Not detected	990000
2,4,6-Trichlorophenol			Not detected	990000

YORK

Client Sample ID			QU2 Recovery Tank Harman	
York Sample ID			02050100-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
Nitrobenzene			Not detected	990000
N-Nitrosodi-n-propylamine			Not detected	990000
N-Nitrosodiphenylamine			Not detected	990000
Pentachlorophenol			Not detected	5100000
Phenanthrene			2100000	990000
Phenol			Not detected	990000
Pyrene			Not detected	990000
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			46.4	1.0
PCB 1260			72.6	1.0
PCB, Total			119	1.0
TCLP RCRA Metals	SW846-1311/6010	mg/L	---	---
TCLP Arsenic			Not detected	0.010
TCLP Barium			Not detected	0.010
TCLP Cadmium			Not detected	0.005
TCLP Chromium			Not detected	0.005
TCLP Lead			Not detected	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-7470	mg/L	Not detected	0.0005
Flashpoint	SW-846 1010	Degrees F	>200	---

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 02050100

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley, Jr. **Date:** 5/17/2002

Robert Q. Bradley
Managing Director

YORK

007/007
ENVIR. COMPLIANCE & SRVC → DAY ENG
05/20/2002 10:20 FAX 212 340 3460

AET™ Fleet Environmental Services
BETHEL, CT 06801
(203) 744-9477 ◊ FAX (203) 794-0535
[redacted]
HORNELL, NY 14843
(607) 569-1572 ◊ FAX (607) 569-1903

Chain of Custody

020501 00

Customer Name and Address: Metro North Harmon yard ou2 Recovery tank

Project # B2681

Sampler: J E Brundage

Signature: J E Brundage

Sample #	Sample Location	Date of Collection	Sample Type	Analysis Requested	Preservative	Comments
-1	ou2 Recovery tank Harmon yard	4-89-02	oil + water	PCB, tcl, metals, vol + semi vol		
-2				Flash point		
-3						
-4						
-5						
-6						
-7						
-8						
-9						
-10						

Relinquished By: J E Brundage	DATE: 5-3-02	TIME: 15.54	Recieved By:	DATE: 5/3/02	TIME: 4 PM.
Signature: J E Brundage			Signature		
Relinquished By	DATE	TIME	Recieved By	DATE	TIME
Signature			Signature		

SPECIAL INSTRUCTIONS

RUSH BY:

Sent By: FLEET ENVIRONMENTAL; 203 794 0535; May-17-02 14:41; Page 7/7

Page from York Analytical Report

for NAPL Sample

Submitted August 26, 2002

Report Date: 8/28/2002
Client Project ID: Harmon Yard
York Project No.: 02080628

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Direc

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 08/26/02. The project was identifed as your project "Harmon Yard ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			U2 Recovery Tank	
York Sample ID			02080628-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			103	1.0
PCB 1260			Not detected	1.0
PCB, Total			103	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

York Analytical Report

for NAPL Samples

Collected March 4 and 6, 2003

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Report Date: 3/13/2003
Re: Client Project ID: MNR OU-2
York Project No.: 03030162

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 NJ License No. CT40

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 3/13/2003
Client Project ID: MNR OU-2
York Project No.: 03030162

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 03/07/03. The project was identified as your project "MNR OU-2 ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			L1/L2		L3	
York Sample ID			03030162-01		03030162-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260-MTBE soil	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	2500	Not detected	2500
1,1,1-Trichloroethane			Not detected	2500	Not detected	2500
1,1,2,2-Tetrachloroethane			Not detected	2500	Not detected	2500
1,1,2-Trichloroethane			Not detected	2500	Not detected	2500
1,1-Dichloroethane			Not detected	2500	Not detected	2500
1,1-Dichloroethylene			Not detected	2500	Not detected	2500
1,1-Dichloropropylene			Not detected	2500	Not detected	2500
1,2,3-Trichlorobenzene			Not detected	2500	Not detected	2500
1,2,3-Trichloropropane			Not detected	2500	Not detected	2500
1,2,3-Trimethylbenzene			Not detected	2500	Not detected	2500
1,2,4-Trichlorobenzene			Not detected	2500	Not detected	2500
1,2,4-Trimethylbenzene			3200	2500	160000	2500
1,2-Dibromo-3-chloropropane			Not detected	2500	Not detected	2500
1,2-Dibromoethane			Not detected	2500	Not detected	2500
1,2-Dichlorobenzene			Not detected	2500	Not detected	2500
1,2-Dichloroethane			Not detected	2500	Not detected	2500

YORK

Client Sample ID			L1/L2		L3	
York Sample ID			03030162-01		03030162-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	2500	Not detected	2500
1,2-Dichloropropane			Not detected	2500	Not detected	2500
1,3,5-Trimethylbenzene			Not detected	2500	33000	2500
1,3-Dichlorobenzene			Not detected	2500	Not detected	2500
1,3-Dichloropropane			Not detected	2500	Not detected	2500
1,4-Dichlorobenzene			Not detected	2500	Not detected	2500
1-Chlorohexane			Not detected	2500	Not detected	2500
2,2-Dichloropropane			Not detected	2500	Not detected	2500
2-Chlorotoluene			Not detected	2500	Not detected	2500
4-Chlorotoluene			Not detected	2500	Not detected	2500
Benzene			Not detected	2500	Not detected	2500
Bromobenzene			Not detected	2500	Not detected	2500
Bromochloromethane			Not detected	25000	Not detected	25000
Bromodichloromethane			Not detected	25000	Not detected	25000
Bromoform			Not detected	2500	Not detected	2500
Bromomethane			Not detected	2500	Not detected	2500
Carbon tetrachloride			Not detected	2500	Not detected	2500
Chlorobenzene			Not detected	2500	Not detected	2500
Chloroethane			Not detected	2500	Not detected	2500
Chloroform			Not detected	2500	Not detected	2500
Chloromethane			Not detected	2500	Not detected	2500
cis-1,3-Dichloropropylene			Not detected	2500	Not detected	2500
Dibromochloromethane			Not detected	2500	Not detected	2500
Dibromomethane			Not detected	2500	Not detected	2500
Dichlorodifluoromethane			Not detected	2500	Not detected	2500
Ethylbenzene			Not detected	2500	3900	2500
Hexachlorobutadiene			Not detected	2500	Not detected	2500
Isopropylbenzene			Not detected	2500	6900	2500
Methyl tert-butyl ether (MTBE)			Not detected	2500	Not detected	2500
Methylene chloride			Not detected	2500	Not detected	2500
Naphthalene			11000	2500	190000	2500
n-Butylbenzene			4000	2500	78000	2500
n-Propylbenzene			Not detected	2500	12000	2500
o-Xylene			Not detected	2500	3500	2500
p- & m-Xylenes			Not detected	2500	3900	2500
p-Isopropyltoluene			Not detected	2500	27000	2500
sec-Butylbenzene			Not detected	2500	Not detected	2500
Styrene			Not detected	2500	Not detected	2500
tert-Butylbenzene			Not detected	2500	Not detected	2500
Tetrachloroethylene			Not detected	2500	Not detected	2500
Toluene			Not detected	2500	Not detected	2500
trans-1,3-Dichloropropylene			Not detected	2500	Not detected	2500
Trichloroethylene			Not detected	2500	Not detected	2500
Trichlorofluoromethane			Not detected	2500	Not detected	2500
Vinyl chloride			Not detected	2500	Not detected	2500
BNA-8270 List soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	500000	Not detected	990000
1,2-Dichlorobenzene			Not detected	500000	Not detected	990000
1,3-Dichlorobenzene			Not detected	500000	Not detected	990000
1,4-Dichlorobenzene			Not detected	500000	Not detected	990000
2,4,5-Trichlorophenol			Not detected	500000	Not detected	990000

YORK

Client Sample ID			L1/L2		L3	
York Sample ID			03030162-01		03030162-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,4,6-Trichlorophenol			Not detected	500000	Not detected	990000
2,4-Dichlorophenol			Not detected	500000	Not detected	990000
2,4-Dimethylphenol			Not detected	500000	Not detected	990000
2,4-Dinitrophenol			Not detected	500000	Not detected	990000
2,4-Dinitrotoluene			Not detected	500000	Not detected	990000
2,6-Dinitrotoluene			Not detected	500000	Not detected	990000
2-Chloronaphthalene			Not detected	500000	Not detected	990000
2-Chlorophenol			Not detected	500000	Not detected	990000
2-Methylnaphthalene			Not detected	500000	3500000	990000
2-Methylphenol			Not detected	500000	Not detected	990000
2-Nitroaniline			Not detected	500000	Not detected	990000
2-Nitrophenol			Not detected	500000	Not detected	990000
3,3'-Dichlorobenzidine			Not detected	500000	Not detected	990000
3-Nitroaniline			Not detected	500000	Not detected	990000
4,6-Dinitro-2-methylphenol			Not detected	500000	Not detected	990000
4-Bromophenyl phenyl ether			Not detected	500000	Not detected	990000
4-Chloro-3-methyl phenol			Not detected	500000	Not detected	990000
4-Chloroaniline			Not detected	500000	Not detected	990000
4-Chlorophenyl phenyl ether			Not detected	500000	Not detected	990000
4-Methylphenol			Not detected	500000	Not detected	990000
4-Nitroaniline			Not detected	500000	Not detected	990000
4-Nitrophenol			Not detected	500000	Not detected	990000
Acenaphthene			Not detected	500000	Not detected	990000
Acenaphthylene			Not detected	500000	Not detected	990000
Anthracene			Not detected	500000	Not detected	990000
Benzidine			Not detected	500000	Not detected	990000
Benzo(a)anthracene			Not detected	500000	Not detected	990000
Benzo(a)pyrene			Not detected	500000	Not detected	990000
Benzo(b)fluoranthene			Not detected	500000	Not detected	990000
Benzo(g,h,i)perylene			Not detected	500000	Not detected	990000
Benzo(k)fluoranthene			Not detected	500000	Not detected	990000
Benzyl alcohol			Not detected	500000	Not detected	990000
Bis(2-chloroethoxy)methane			Not detected	500000	Not detected	990000
Bis(2-chloroethyl)ether			Not detected	500000	Not detected	990000
Bis(2-chloroisopropyl)ether			Not detected	500000	Not detected	990000
Bis(2-ethylhexyl)phthalate			Not detected	500000	Not detected	990000
Butyl benzyl phthalate			Not detected	500000	Not detected	990000
Chrysene			Not detected	500000	Not detected	990000
Dibenz(a,h)anthracene			Not detected	500000	Not detected	990000
Dibenzofuran			Not detected	500000	Not detected	990000
Diethylphthalate			Not detected	500000	Not detected	990000
Dimethylphthalate			Not detected	500000	Not detected	990000
Di-n-butylphthalate			Not detected	500000	Not detected	990000
Di-n-octylphthalate			Not detected	500000	Not detected	990000
Fluoranthene			Not detected	500000	Not detected	990000
Fluorene			Not detected	500000	Not detected	990000
Hexachlorobenzene			Not detected	500000	Not detected	990000
Hexachlorobutadiene			Not detected	500000	Not detected	990000
Hexachlorocyclopentadiene			Not detected	500000	Not detected	990000
Hexachloroethane			Not detected	500000	Not detected	990000
Indeno(1,2,3-cd)pyrene			Not detected	500000	Not detected	990000

YORK

Client Sample ID			L1/L2		L3	
York Sample ID			03030162-01		03030162-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Isophorone			Not detected	500000	Not detected	990000
Naphthalene			Not detected	500000	Not detected	990000
Nitrobenzene			Not detected	500000	Not detected	990000
N-Nitroso-di-n-propylamine			Not detected	500000	Not detected	990000
N-Nitrosodiphenylamine			Not detected	500000	Not detected	990000
Pentachlorophenol			Not detected	500000	Not detected	990000
Phenanthrene			600000	500000	1700000	990000
Phenol			Not detected	500000	Not detected	990000
Pyrene			Not detected	500000	Not detected	990000
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	Not detected	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0
Total RCRA Metals	SW846	mg/kG	---	---	---	---
Arsenic, total			3.57	1.00	1.92	1.00
Barium, total			32.2	0.50	33.7	0.50
Cadmium, total			Not detected	0.50	Not detected	0.50
Chromium, total			41.3	0.50	18.0	0.50
Lead, total			212	0.50	4.78	0.50
Selenium, total			Not detected	1.00	Not detected	1.00
Silver, total			1.38	0.50	0.57	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10
Density	ASTM	g/cc	0.920	---	0.854	---
Flashpoint	SW-846 1010	Degrees F	>200	---	>200	---

Client Sample ID			L4	
York Sample ID			03030162-03	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
Volatiles-8260+MTBE soil	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	2500
1,1,1-Trichloroethane			Not detected	2500
1,1,2,2-Tetrachloroethane			Not detected	2500
1,1,2-Trichloroethane			Not detected	2500
1,1-Dichloroethane			Not detected	2500
1,1-Dichloroethylene			Not detected	2500
1,1-Dichloropropylene			Not detected	2500
1,2,3-Trichlorobenzene			Not detected	2500
1,2,3-Trichloropropane			Not detected	2500
1,2,3-Trimethylbenzene			Not detected	2500
1,2,4-Trichlorobenzene			Not detected	2500
1,2,4-Trimethylbenzene			130000	2500
1,2-Dibromo-3-chloropropane			Not detected	2500
1,2-Dibromoethane			Not detected	2500

YORK

Client Sample ID			L4	
York Sample ID			03030162-03	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
1,2-Dichlorobenzene			Not detected	2500
1,2-Dichloroethane			Not detected	2500
1,2-Dichloroethylene (Total)			Not detected	2500
1,2-Dichloropropane			Not detected	2500
1,3,5-Trimethylbenzene			33000	2500
1,3-Dichlorobenzene			Not detected	2500
1,3-Dichloropropane			Not detected	2500
1,4-Dichlorobenzene			Not detected	2500
1-Chlorohexane			Not detected	2500
2,2-Dichloropropane			Not detected	2500
2-Chlorotoluene			Not detected	2500
4-Chlorotoluene			Not detected	2500
Benzene			Not detected	2500
Bromobenzene			Not detected	2500
Bromochloromethane			Not detected	25000
Bromodichloromethane			Not detected	25000
Bromoform			Not detected	2500
Bromomethane			Not detected	2500
Carbon tetrachloride			Not detected	2500
Chlorobenzene			Not detected	2500
Chloroethane			Not detected	2500
Chloroform			Not detected	2500
Chloromethane			Not detected	2500
cis-1,3-Dichloropropylene			Not detected	2500
Dibromochloromethane			Not detected	2500
Dibromomethane			Not detected	2500
Dichlorodifluoromethane			Not detected	2500
Ethylbenzene			5900	2500
Hexachlorobutadiene			Not detected	2500
Isopropylbenzene			24000	2500
Methyl tert-butyl ether (MTBE)			Not detected	2500
Methylene chloride			Not detected	2500
Naphthalene			220000	2500
n-Butylbenzene			71000	2500
n-Propylbenzene			17000	2500
o-Xylene			7300	2500
p- & m-Xylenes			6700	2500
p-Isopropyltoluene			22000	2500
sec-Butylbenzene			Not detected	2500
Styrene			Not detected	2500
tert-Butylbenzene			16000	2500
Tetrachloroethylene			Not detected	2500
Toluene			2600	2500
trans-1,3-Dichloropropylene			Not detected	2500
Trichloroethylene			Not detected	2500
Trichlorofluoromethane			Not detected	2500
Vinyl chloride			Not detected	2500
BNA-8270 List soil	SW846-8270	ug/Kg	---	---
1,2,4-Trichlorobenzene			Not detected	990000
1,2-Dichlorobenzene			Not detected	990000
1,3-Dichlorobenzene			Not detected	990000

YORK

Client Sample ID			L4	
York Sample ID			03030162-03	
Matrix			Oil	
Parameter	Method	Units	Results	MDL
Hexachloroethane			Not detected	990000
Indeno(1,2,3-cd)pyrene			Not detected	990000
Isophorone			Not detected	990000
Naphthalene			Not detected	990000
Nitrobenzene			Not detected	990000
N-Nitrosodi-n-propylamine			Not detected	990000
N-Nitrosodiphenylamine			Not detected	990000
Pentachlorophenol			Not detected	990000
Phenanthrene			1700000	990000
Phenol			Not detected	990000
Pyrene			Not detected	990000
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			10.2	1.0
PCB 1260			Not detected	1.0
PCB, Total			10.2	1.0
Total RCRA Metals	SW846	mg/kG	---	---
Arsenic, total			1.1	1.00
Barium, total			28.0	0.50
Cadmium, total			Not detected	0.50
Chromium, total			8.76	0.50
Lead, total			1.80	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Density	ASTM	g/cc	0.858	---
Flashpoint	SW-846 1010	Degrees F	>200	---

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 03030162

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Bradley **Date:** 3/13/2003

Robert Q. Bradley
Managing Director

YORK

Client Sample ID			LA	
York Sample ID			030301G2-03	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
1,4-Dichlorobenzene			Not detected	990000
2,4,5-Trichlorophenol			Not detected	990000
2,4,6-Trichlorophenol			Not detected	990000
2,4-Dichlorophenol			Not detected	990000
2,4-Dimethylphenol			Not detected	990000
2,4-Dinitrophenol			Not detected	990000
2,4-Dinitrotoluene			Not detected	990000
2,6-Dinitrotoluene			Not detected	990000
2-Chloronaphthalene			Not detected	990000
2-Chlorophenol			Not detected	990000
2-Methylnaphthalene			4000000	990000
2-Methylphenol			Not detected	990000
2-Nitroaniline			Not detected	990000
2-Nitrophenol			Not detected	990000
3,3'-Dichlorobenzidine			Not detected	990000
3-Nitroaniline			Not detected	990000
4,6-Dinitro-2-methylphenol			Not detected	990000
4-Bromophenyl phenyl ether			Not detected	990000
4-Chloro-3-methyl phenol			Not detected	990000
4-Chloroaniline			Not detected	990000
4-Chlorophenyl phenyl ether			Not detected	990000
4-Methylphenol			Not detected	990000
4-Nitroaniline			Not detected	990000
4-Nitrophenol			Not detected	990000
Acenaphthene			Not detected	990000
Acenaphthylene			Not detected	990000
Anthracene			Not detected	990000
Benzidine			Not detected	990000
Benzo(a)anthracene			Not detected	990000
Benzo(a)pyrene			Not detected	990000
Benzo(b)fluoranthene			Not detected	990000
Benzo(g,h,i)perylene			Not detected	990000
Benzo(k)fluoranthene			Not detected	990000
Benzyl alcohol			Not detected	990000
Bis(2-chloroethoxy)methane			Not detected	990000
Bis(2-chloroethyl)ether			Not detected	990000
Bis(2-chloroisopropyl)ether			Not detected	990000
Bis(2-ethylhexyl)phthalate			Not detected	990000
Butyl benzyl phthalate			Not detected	990000
Chrysene			Not detected	990000
Dibenz(a,h)anthracene			Not detected	990000
Dibenzofuran			Not detected	990000
Diethylphthalate			Not detected	990000
Dimethylphthalate			Not detected	990000
Di-n-butylphthalate			Not detected	990000
Di-n-octylphthalate			Not detected	990000
Fluoranthene			Not detected	990000
Fluorene			Not detected	990000
Hexachlorobenzene			Not detected	990000
Hexachlorobutadiene			Not detected	990000
Hexachlorocyclopentadiene			Not detected	990000

YORK

PAGE 10
YORK ANALYTICAL LABS
2003281371
03/13/2003 14:52
03/27/2003 12:08 FAX 212 340 3460 ENVIR. COMPLIANCE & SRVC NO.361 P.10/10
MAR.25.2003 3:17PM WASTE TECHNOLOGY SER

YORK
YORK ANALYTICAL LABORATORIES, INC.
[illegible] Research Drive
Stratford, CT 06615
(203) 325-1371 FAX (203) 357-0166

Page 1 of 1

Field Chain-of-Custody Record

03/06/03

Company Name	Report To	Invoice To:	Project ID/No.	Sampler(s) Signature
MNR	MNR Ken McKale NYS Jim Weber DEC Tom Foszak	MNR	MNR OU-2	T Foszak Sampler(s) Printed Name: T Foszak

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	L1/L2	3/6/03				OIL	8260 VOA	1 L Glass
	L3	3/4/03				OIL	8270 SVOA	"
	L4	3/4/03				OIL	PCBs	"
							Flash point	
							Specific Gravity	
							Total RCRA Metals	

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
		T Foszak	3/6/03 12:30p	Ping	3/7/03 10:00AM
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time

Comment /Special Instructions

Turn Around Time
X Standard ___ (RUSH)(define)_____

4 of 7

@010

York Analytical Report

for NAPL Sample

Collected November 20, 2003

YORK
ANALYTICAL LABORATORIES, INC.

DEC 04 2003

Technical Report

prepared for

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Report Date: 12/1/2003
Re: Client Project ID: MNR-Harmon-OU2
York Project No.: 03110596

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 NJ License No. CT401

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 12/1/2003
Client Project ID: MNR-Harmon-OU2
York Project No.: 03110596

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 11/21/03. The project was identifed as your project "MNR-Harmon-OU2 ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			OU2 Recovered Oil	
York Sample ID			03110596-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			8.62	1.0
PCB 1260			2.07	1.0
PCB, Total			10.7	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 12/1/2003
Client Project ID: MNR-Harmon-OU2
York Project No.: 03110596

Notes for York Project No. 03110596

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 12/1/2003
Robert Q. Bradley
Managing Director

YORK

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ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

02/10/04

Field Chain-of-Custody Record

(waste characterization)

Company Name	Report To:	Invoice To:	Project ID/No.	
MNR	McHale MNR Roszak DAY	MNR	MNR - Harmon - OU2	T Roszak Samples Collected By (Signature) Tom Roszak Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	OU2 Recovered	11/20/03				X OIL	PCBs	250ml glass
	oil							

Chain-of-Custody Record

		T Roszak	11/20/03 11:40	Carol D. Boyle	
Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
				Lisa Murphy	11/21/03
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time

Comments/Special Instructions

Turn-Around Time std

York Analytical Report

for NAPL Sample

Collected September 28, 2004

Report Date: 10/8/2004
Client Project ID: MNR Harmon Yard OU 2
York Project No.: 04090710

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/30/04. The project was identifed as your project "MNR Harmon Yard OU 2."

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			DRUM 1		DRUM 2	
York Sample ID			04090710-01		04090710-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			14.0	1.0	13.5	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			14.0	1.0	13.5	1.0

YORK

Client Sample ID			TANK	
York Sample ID			04090710-03	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			10.9	1.0
PCB 1260			Not detected	1.0
PCB, Total			10.9	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 04090710

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 10/8/2004

YORK

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ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

040930710

Field Chain-of-Custody Record

(For Disposal purposes)

Company Name	Report To:	Invoice To:	Project ID/No.	
MNR	MNR McHale DAT Roszak	MNR	MNR HARMON YARD OU 2	T Roszak Samples Collected By (Signature) Tom Roszak Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	DRUM 1	9/28/04				OIL	PCBs	GLASS
	DRUM 2					↓	↓	↓
	TANK					↓	↓	↓

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	T Roszak Sample Relinquished by	9/28/04 1700 Date/Time
Bottles Received in Field by	Date/Time	Bruce Gustafson Sample Relinquished by	9-30-04 Date/Time
John Hunt Sample Received by	9/30/04 11:30 Date/Time	9/30 Sample Received in LAB by	3:20p Date/Time

Comments/Special Instructions

Turn-Around Time

X Standard ___ RUSH(define)_____

Page from York Analytical Report

for NAPL Sample

Collected June 27, 2005

Report Date: 7/6/2005
Client Project ID: Harmon
York Project No.: 05060875

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/28/05. The project was identifed as your project "Harmon ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			Harmon Lagoon OU2 Tank	
York Sample ID			05060875-01	
Matrix			LIQUID	
Parameter	**Method**	**Units**	**Results**	**MDL**
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			11.5	1.0
PCB 1260			5.5	1.0
PCB, Total			17.0	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

500 gal recovered oil tank @ a12
oil removed 7/19/05 by UNITED.

YORK

York Analytical Report

for NAPL Samples

Collected January 24, 2006

(11)

Report Date: 1/30/2006
Client Project ID: Samples
York Project No.: 06010656

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 01/26/06. The project was identifed as your project "Samples ".

(1/24/06)

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			Harmon Lagoon OU2 Tank		Drum West	
York Sample ID			06010656-01		06010656-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			11.2	1.0	8.55	1.0
PCB 1260			3.25	1.0	3.20	1.0
PCB, Total			14.5	1.0	11.8	1.0

YORK

(12)

Client Sample ID			Drum East	
York Sample ID			06010656-03	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			10.2	1.0
PCB 1260			3.90	1.0
PCB, Total			14.1	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 06010656

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 1/30/2006

YORK

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ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

060106Sb

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
Metro North Railroad				Bruce Washburn / Bruce Washburn

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	Harman Lagoon Old Tank	1-24-06				01	PCB's	Glass
	Drum West	"				"	"	"
	Drum East	"				"	"	"

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	R. [illegible] — Sample Relinquished by	1-26-06 10:15 Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time
C. [illegible] — Sample Received by	1/26/06 Date/Time		
Sample Received in LAB by	Date/Time		

Comments/Special Instructions

Samples taken prior to oil pumpout (done 2/3/06)

Turn-Around Time

___Standard ___RUSH(define)_____

Page from York Analytical Report

for NAPL Sample

Collected September 12, 2006

Report Date: 9/21/2006
Client Project ID: Harmon OU2 Oil
York Project No.: 06090575

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/18/06. The project was identifed as your project "Harmon OU2 Oil ".

9/12/06

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			500 Gal. Tank		1000 Gal. Tank	
York Sample ID			06090575-01		06090575-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			12.1	1.0	16.0	1.0
PCB 1260			5.57	1.0	5.60	1.0
PCB, Total			17.7	1.0	21.6	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

York Analytical Report

for NAPL Sample

Collected September 13, 2007

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Report Date: 10/5/2007
Re: Client Project ID: Harmon OU 2
York Project No.: 07100072

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 10/5/2007
Client Project ID: Harmon OU 2
York Project No.: 07100072

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/28/07. The project was identified as your project "Harmon OU 2".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			Recovered Oil	
York Sample ID			07100072-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			7.5	1.0
PCB 1260			2.6	1.0
PCB, Total			10.1	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 10/5/2007
Client Project ID: Harmon OU 2
York Project No.: 07100072

Notes for York Project No. 07100072

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 10/5/2007
for Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE
STRATFORD, CT 06615
203.325.1371 FAX 203.357-0166

07100072 Page 1 of 1

Field Chain-of-Custody Record

(characterization for disposal.)

Company Name	Report to:	Invoice to:	Project ID/No.	Samples Collected by (signature) / Name (printed)
MNR	McHale MNR Roszak DAY	MNR	Harmon OU 2	T Roszak T Roszak

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	Other	Analyses Requested	Container Desc.
	Recovered oil	9/13/07				OIL	PCB	

Chain-of-Custody Record

Bottles Relinquished from Lab by — Date/Time

Bottles received in field by — Date/Time

T Roszak — Samples Relinquished by — 9/13/07 2pm — Date/Time

Samples Relinquished by — Date/Time

Samples received by — Date/Time

Samples received in LAB by 9/28 11:05 — Date/Time

Comments/Special Instructions

4.0°C

Turn-Around Time Requested- Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:

X STANDARD RUSH(Define)

York Analytical Report

for NAPL Samples

Collected July 2, 2009

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
24 Fisher Lane
North White Plains, NY 10603
Mr. Ken McHale, Assistant Director

Report Date: 7/14/2009
Re: Client Project ID: Harmon OU-2
York Project No.: 09070270

CT License No. PH-0723 | New Jersey License No. CT-005 | New York License No. 10854 | PA Reg. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 7/14/2009
Client Project ID: Harmon OU-2
York Project No.: 09070270

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
24 Fisher Lane
North White Plains, NY 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/07/09. The project was identified as your project "Harmon OU-2".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			OU-2 500g Tank		OU-2 1000g Tank	
York Sample ID			09070270-01		09070270-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			6.02	1.0	6.78	1.0
PCB 1260			2.43	1.0	2.47	1.0
PCB, Total			8.45	1.0	9.25	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 7/14/2009
Client Project ID: Harmon OU-2
York Project No.: 09070270

Notes for York Project No. 09070270

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 7/14/2009

YORK

09070270

Page 1 of 1

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203)357-0166

Field Chain-of-Custody Record

For disposal characterization

York Project No.:

Company Name	Report to:	Invoice to:	Project ID/No.
MNR	McHale MNR Roszak DAY	MNR	Harmon OU-2

T Roszak
Samples Collected by (signature)
Tom Roszak
Name (printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	Other	Analyses Requested	Container Desc.
	OU-2 500 g. tank	7/2/09				oil	PCBs	8 oz glass
	OU-2 1000 g. tank	7/2/09				oil	PCBs	"

Temperature upon receipt at Lab
4.1 °C

Chain-of-Custody Record

T Roszak — Samples Relinquished by — 7/2/09 12:00 — Date/Time
Samples Relinquished by — Date/Time
Samples received by — Date/Time
Samples received in LAB by 7-7-09 1010 — Date/Time

Comments/Special Instructions

Turn-Around Time Requested- Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:

X STANDARD ____ RUSH(Define)____

York Analytical Report

for NAPL Samples

Collected November 25, 2009

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
24 Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Report Date: 12/11/2009
Re: Client Project ID: Harmon Monthly
York Project No.: 09120223

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA Reg. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 12/11/2009
Client Project ID: Harmon Monthly
York Project No.: 09120223

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
24 Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 12/03/09. The project was identified as your project "Harmon Monthly".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			Harmon Outfall		Harmon Automotive	
York Sample ID			09120223-01		09120223-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper	EPA 200.7	mg/L	0.008	0.005	---	---
Copper, Dissolved	EPA 200.7	mg/L	0.007	0.005	---	---
Lead	EPA 200.7	mg/L	0.005	0.005	---	---
Zinc	EPA 200.7	mg/L	0.062	0.005	---	---
Oil & Grease Gravimetric	EPA 1664A	mg/L	Not detected	0.5	4.00	0.5

Client Sample ID			Harmon Wheel True	
York Sample ID			09120223-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Oil & Grease Gravimetric	EPA 1664A	mg/L	Not detected	0.5

YORK

Client Sample ID			Harmon OU 2 500 GAL		Harmon OU 2 2000 GAL	
York Sample ID			09120223-04		09120223-05	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			33.2	1.0	34.0	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 09120223

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 12/11/2009

YORK

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203)357-0166

Field Chain-of-Custody Record

York Project No.: 0912023

Company Name	Report to:	Invoice to:	Project ID/No.
METRO NORTH R.R.			HARMON MONTHLY

Samples Collected by (signature): Silvio Vitiello
Name (printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	Other	Analyses Requested	Container Desc.
7.57	HARMON OUTFALL	12/3/09	✓				OIL & GREASE	GLASS
	HARMON OUTFALL	12/3/09	✓				MONTHLY METALS	PLASTIC
8.5	HARMON AUTOMOTIVE	12/3/09	✓				OIL & GREASE	GLASS
8.39	HARMON WHEEL TRUE	12/3/09	✓				OIL & GREASE	GLASS
	HARMON OU2 500 GAL	11/25/09	✓				P.C.B.	PLASTIC
	HARMON OU2 2000 GAL	11/25/09	✓				P.C.B	PLASTIC

Temperature upon receipt at Lab: 4.2 °C

Chain-of-Custody Record

Samples Relinquished by	Date/Time	Samples received by	Date/Time
[signature] 12-3-09	10:10 AM	[signature]	
Samples Relinquished by	Date/Time	Samples received in LAB by 12/3/09	10:10 AM Date/Time

Comments/Special Instructions

Turn-Around Time Requested- Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:

X STANDARD _____ RUSH(Define)_____

York Analytical Report

for NAPL Samples

Collected March 17, 2010

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 03/24/2010
Client Project ID: HARMON OU-2 AREA
York Project (SDG) No.: 10C0660

Report Date: 03/24/2010
Client Project ID: HARMON OU-2 AREA
York Project (SDG) No.: 10C0660

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 18, 2010 and listed below. The project was identified as your project: **HARMON OU-2 AREA**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10C0660-01	HARMON OU-2 EAST	Oil	03/17/2010	03/18/2010
10C0660-02	HARMON OU-2 WEST	Oil	03/17/2010	03/18/2010

General Notes for York Project (SDG) No.: 10C0660

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.

Approved By:  **Date:** 03/24/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: HARMON OU-2 EAST **York Sample ID:** 10C0660-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10C0660	HARMON OU-2 AREA	Oil	March 17, 2010 3:00 pm	03/18/2010

Polychlorinated Biphenyls (PCB)

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	03/24/2010 09:39	03/24/2010 11:44	JW
11104-28-2	Aroclor 1221	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW
11141-16-5	Aroclor 1232	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW
53469-21-9	Aroclor 1242	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW
12672-29-6	Aroclor 1248	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW
11097-69-1	**Aroclor 1254**	**9.00**		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW
11096-82-5	**Aroclor 1260**	**3.53**		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW
37324-23-5	Aroclor 1262	ND		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW
11100-14-4	Aroclor 1268	ND		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 11:44	JW

Sample Information

Client Sample ID: HARMON OU-2 WEST **York Sample ID:** 10C0660-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10C0660	HARMON OU-2 AREA	Oil	March 17, 2010 3:00 pm	03/18/2010

Polychlorinated Biphenyls (PCB)

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	03/24/2010 09:39	03/24/2010 12:23	JW
11104-28-2	Aroclor 1221	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW
11141-16-5	Aroclor 1232	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW
53469-21-9	Aroclor 1242	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW
12672-29-6	Aroclor 1248	ND		mg/kg	0.790	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW
11097-69-1	**Aroclor 1254**	**8.98**		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW
11096-82-5	**Aroclor 1260**	**3.47**		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW
37324-23-5	Aroclor 1262	ND		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW
11100-14-4	Aroclor 1268	ND		mg/kg	0.680	1.00	1	"	03/24/2010 09:39	03/24/2010 12:23	JW

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

10C0660

Field Chain-of-Custody Record

Page ___ of ___

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature)
METRO NORTH R.R.			HARMON OU-2 AREA	Silvia Vitiello
				Name (Printed): SILVIA VITIELLO

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	HARMON OU-2 EAST	3/17/10				OIL	PCB	PLASTIC
	HARMON OU-2 WEST	3/17/10				OIL	PCB	PLASTIC

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by: Silvia Vitiello 3/18/10	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time
Sample Received by	Date/Time		
P. Grace 3/18/10 1040 @ 4.2°C Sample Received in LAB by	Date/Time		

Comments/Special Instructions

Turn-Around Time
___Standard ___RUSH(define)___

Page 5 of 5

York Analytical Report

for NAPL Samples

Collected October 21, 2010

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 11/11/2010
Client Project ID: OU 2 Oil
York Project (SDG) No.: 10K0155

Report Date: 11/11/2010
Client Project ID: OU 2 Oil
York Project (SDG) No.: 10K0155

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 04, 2010 and listed below. The project was identified as your project: **OU 2 Oil**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10K0155-01	OU2 oil	Oil	10/21/2010	11/04/2010

General Notes for York Project (SDG) No.: 10K0155

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 11/11/2010

Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **OU2 oil** **York Sample ID:** **10K0155-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10K0155	OU 2 Oil	Oil	October 21, 2010 3:00 pm	11/04/2010

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
11104-28-2	Aroclor 1221	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
11141-16-5	Aroclor 1232	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
53469-21-9	Aroclor 1242	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
12672-29-6	Aroclor 1248	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
11097-69-1	Aroclor 1254	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
11096-82-5	**Aroclor 1260**	**4.65**		mg/kg	0.680	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
37324-23-5	Aroclor 1262	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
11100-14-4	Aroclor 1268	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW
	Total PCBs	**4.65**		mg/kg	0.680	1.00	1	EPA SW 846-8082	11/10/2010 15:53	11/11/2010 04:21	JW

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203)357-0166

Field Chain-of-Custody Record

10K0155

York Project No.:

Company Name	**Report to:**	**Invoice to:**	**Project ID/No.**
MNR	MNR DAY	MNR	

T Roszak
Samples Collected by (signature)

Tom Roszak
Name (printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	Other	Analyses Requested	Container Desc.
	OU 2 oil	10/21/10				oil	PCBs	

Temperature upon receipt at Lab
____ °C

Chain-of-Custody Record

Dave Dolan — Samples Relinquished by — 11/4/10 — Date/Time

Samples Relinquished by — Date/Time

Samples received by — Date/Time

P Shaw — Samples received in LAB by — 11/4/10 — 1045 @ 4.7 C — Date/Time

Comments/Special Instructions

Turn-Around Time Requested- Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:

X STANDARD ____ RUSH(Define)____

York Analytical Report

for NAPL Samples

Collected March 10, 2011

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 03/17/2011
Client Project ID: HARMON OU-2 Oil
York Project (SDG) No.: 11C0439

Report Date: 03/17/2011
Client Project ID: HARMON OU-2 Oil
York Project (SDG) No.: 11C0439

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 11, 2011 and listed below. The project was identified as your project: **HARMON OU-2 Oil**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11C0439-01	HARMON OU-2 EAST	Oil	03/10/2011	03/11/2011

General Notes for York Project (SDG) No.: 11C0439

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 03/17/2011

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: HARMON OU-2 EAST

York Sample ID: 11C0439-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0439	HARMON OU-2 Oil	Oil	March 10, 2011 3:00 pm	03/11/2011

Log-in Notes:

Sample Notes:

Polychlorinated Biphenyls (PCB)

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
11104-28-2	Aroclor 1221	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
11141-16-5	Aroclor 1232	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
53469-21-9	Aroclor 1242	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
12672-29-6	Aroclor 1248	ND		mg/kg	0.790	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
11097-69-1	Aroclor 1254	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
11096-82-5	Aroclor 1260	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
37324-23-5	Aroclor 1262	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
11100-14-4	Aroclor 1268	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW
1336-36-3	Total PCBs	ND		mg/kg	0.680	1.00	1	EPA SW 846-8082	03/17/2011 07:14	03/17/2011 09:02	JW

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page____ of ____

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 11C0439

YOUR Information	**Report To:**	**Invoice To:**
Company: MNR	Company: MNR	Company: MNR
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person:	Attention:	Attention:
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: Harmon OU-2 Oil

Purchase Order No.

Samples from: CT___ NY___ NJ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☐

Report Type/Deliverbles
- Summary Report ____
- Summary w/ QA Summary ____
- CT RCP Package ____
- NY ASP A Package ____
- NY ASP B Package ____

Electronic Deliverables:
- EDD (Specify Type) ____
- Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
Harmon OU2 Oil	3/10/11	Oil	PCBs	8 oz glass

Comments

Preservation Check those Applicable: 4°C___ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___ ZnAc___ Ascorbic Acid___ Other___

T Rozek — 3/10/11 9:00 — Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

Chris C 3-11-11 10:00 — Samples Received By — Date/Time

Joe 3/11/11 1605 — Samples Received in LAB by — Date/Time

Temperature on Receipt 3.7 °C

Page 5 of 5

York Analytical Report

for NAPL Samples

Collected July 2, 2012

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 07/19/2012
Client Project ID: OU2-L-4 RW-Well
York Project (SDG) No.: 12G0288

Report Date: 07/19/2012
Client Project ID: OU2-L-4 RW-Well
York Project (SDG) No.: 12G0288

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 09, 2012 and listed below. The project was identified as your project: **OU2-L-4 RW-Well**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12G0288-01	HARMON OU2-L-4 RW-1 WELL	Oil	07/02/2012	07/09/2012

General Notes for York Project (SDG) No.: 12G0288

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 07/19/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: HARMON OU2-L-4 RW-1 WELL **York Sample ID:** 12G0288-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12G0288	OU2-L-4 RW-Well	Oil	July 2, 2012 3:00 pm	07/09/2012

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
11104-28-2	Aroclor 1221	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
11141-16-5	Aroclor 1232	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
53469-21-9	Aroclor 1242	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
12672-29-6	Aroclor 1248	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
11097-69-1	Aroclor 1254	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
11096-82-5	Aroclor 1260	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
37324-23-5	Aroclor 1262	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
11100-14-4	Aroclor 1268	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW
1336-36-3	Total PCBs	ND		mg/kg	1.00	1.00	1	EPA SW 846-8082	07/12/2012 17:57	07/17/2012 19:37	JW

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12G0288

YOUR Information	**Report To:**	**Invoice To:**
Company: MNR	Company: K-McHale	Company: MNR
Address:	Address: T-Roszak	Address:
Phone No.	Phone No.	Phone No.
Contact Person:	Attention:	Attention:
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID
OU2-L-4
RW-well

Purchase Order No.

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☐

Report Type
- Summary Report ____
- Summary w/ QA Summary ____
- CT RCP Package ____
- CTRCP DQA/DUE Pkg ____
- NY ASP A Package ____
- NY ASP B Package ____
- NJDEP Red. Deliv. ____

Electronic Data Deliverables (EDD)
- Simple Excel ____
- NYSDEC EQuIS ✓
- EQuIS (std) ____
- EZ-EDD (EQuIS) ____
- NJDEP SRP HazSite EDD ____
- GIS/KEY (std) ____
- Other ____
- **York Regulatory Comparison**
- **Excel Spreadsheet** ____
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

George Ehlers
Samples Collected/Authorized By (Signature)

George Ehlers
Name (printed)

Matrix Codes	
S -	soil
Other -	specify(oil, etc.)
WW -	wastewater
GW -	groundwater
DW -	drinking water
Air-A -	ambient air
Air-SV -	soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
Harmon	7/2/12			
OU2-L-4	-us per		Test- PCB's 1	1L Amber
RW-1 well	George Ehlers			unpreserved
	7/10/12			glass

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Comments E-mail copys To EhLers@MNR.org KennaR@MNR.org CSmeLT@DayMail.Net.

George Ehlers — Samples Relinquished By — Date/Time
Samples Relinquished By — Date/Time

Chris C 7-9-12 13:40 — Samples Received By — Date/Time
J. Lake 7/9/12-1600 — Samples Received in LAB by — Date/Time

Temperature on Receipt 4.4 °C

York Analytical Report

for NAPL Samples

Collected January 7, 2013

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 01/14/2013
Client Project ID: Harmon JAN OU2-L-4-2043 PCBs Test
York Project (SDG) No.: 13A0204

Report Date: 01/14/2013
Client Project ID: Harmon JAN OU2-L-4-2043 PCBs Test
York Project (SDG) No.: 13A0204

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 08, 2013 and listed below. The project was identified as your project: **Harmon JAN OU2-L-4-2043 PCBs Test**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13A0204-01	HARMON OU2-L-4 PCB's-TEST JAN-2013	Oil	01/07/2013	01/08/2013

General Notes for York Project (SDG) No.: 13A0204

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 01/14/2013

Robert Q. Bradley
Laboratory Director

YORK

Sample Information

Client Sample ID: HARMON OU2-L-4 PCB's-TEST JAN-2013 **York Sample ID:** 13A0204-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13A0204	Harmon JAN OU2-L-4-2043 PCBs Test	Oil	January 7, 2013 3:00 pm	01/08/2013

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW
11104-28-2	Aroclor 1221	ND		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW
11141-16-5	Aroclor 1232	ND		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW
53469-21-9	Aroclor 1242	ND		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW
12672-29-6	Aroclor 1248	ND		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW
11097-69-1	Aroclor 1254	**9.01**		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW
11096-82-5	Aroclor 1260	ND		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW
1336-36-3	Total PCBs	**9.01**		mg/kg	0.990	0.990	1	EPA SW 846-8082	01/14/2013 07:18	01/14/2013 09:31	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.2 %*	*30-150*

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BA30408 **Preparation Method:** Oil Preparation for GC **Prepared By:** JW

YORK Sample ID	Client Sample ID	Preparation Date
13A0204-01	HARMON OU2-L-4 PCB's-TE	01/14/13

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 13A0204

YOUR Information	**Report To:**	**Invoice To:**	**YOUR Project ID**	**Turn-Around Time**	**Report Type/Deliverbles**
Company: MNR	Company: K-McHAL	Company: MNR	HARMON SAN OUZ-L-4-2013 PCB's Test	RUSH - Same Day ☐	Summary Report ____
Address:	Address: T-ROSZAK	Address:	**Purchase Order No.**	RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package ____
Contact Person:	Attention: W-KENNEN	Attention:		RUSH - Three Day ☐	NY ASP A Package ____
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT ___ NY ✓ NJ ___	RUSH - Four Day ☐	NY ASP B Package ____
				Standard(5-7 Days) ☐	*Electronic Deliverables:* EDD (Specify Type) ____ Excel Agyts

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

George Ehlers
Samples Collected/Authorized By (Signature)

George Ehlers
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Chlorinated Pesticides	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
HAMON OUZ-L-4 PCB's - Test. JAN-2013	1-7-13		Test- PCB's 1-	Amber UN-preserved glass.

Preservation Check those Applicable: 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Comments Copys To
EHLers @MNR.org
KENNEN @MNR.org
C-SMELT @DAYMI.L.NET.

George Ehlers — Samples Relinquished By — Date/Time
Samples Relinquished By — Date/Time

Chris C 1-8-13 11:55 — Samples Received By — Date/Time
P Grace 1-8-13 1510 — Samples Received in LAB by — Date/Time

Temperature on Receipt 3.8 °C

ATTACHMENT D

NAPL DISPOSAL DOCUMENTATION

2002

INVOICE TO: METRO-NORTH COMMUTER RAILROAD CO.
P.O. Box 3581
Grand Central Station
New York, NY 10163

DATE	STORE CODE	PURCHASE ORDER NO.	PAGE
4-12-99		200336	

PURCHASE ORDER NO. MUST APPEAR ON INVOICES AND ANY CORRESPONDENCE

VENDOR NAME AND ADDRESS:

aste Technology Services Inc.
epartment #389
O. Box 8000
uffalo, NY 14267

SHIP TO: METRO-NORTH COMMUTER RAILROAD COMPANY

Environmental Services & Compliance
347 Madison Avenue
New York, NY 10017

VENDOR NUMBER: 161188126

REFER ALL COMMUNICATIONS TO:
Karen Timko, (212) 340-3322

F.O.B.	SHIP VIA	PAYMENT TERMS
NA	NA	NA

QUANTITY	U/M	ITEM NUMBER	VENDOR PART NUMBER / DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
			Contract No. 200336 Transportation and Disposal of Regulated Waste All terms and conditions of this agreement shall be in accordance with RFP No. 200336 and Waste Technology Inc.'s proposal dated January 6, 1999. The period of performance is: April 12, 1999 through April 11, 2004		$1,500,000.00 (Not-to-Exceed)

8/9/02
OK to Pay
[signature]

INVOICE NO: 46978.6

INVOICE DATE: 7/26/02

SHIP DATE: 6/5/02

P.O. LINE #: 0002

SIGNATURE	
Gail Silke	
LOCATION: 12th Fl. 347 Mad.	DATE: / /

APPROVAL

DISPOSAL OF DRUMS OF PCB OIL/WATER - HARMON SD

LEDGER ACCT	MANAGEMENT CENTER	COST CENTER	PURPOSE ACCT	WORK ORDER	$
48	11504	17020	073	0409	$ 9350.00

North Commuter Railroad Company, a government instrumentality of The State of New York, is exempt from state and local sales and federal excise taxes on its purchases.

Include in your price quotations all discounts accorded to other agencies of The State of New York.

CT TO terms and conditions on reverse side of this order. Only the terms and conditions set forth herein shall constitute an ment between the parties.

2/99

CONTRACT ADMINISTRATION

WTS

WASTE TECHNOLOGY SERVICES, INC.

Invoice

Waste Technology Services, Inc.
640 Park Place
Niagara Falls, NY 14301
(716) 282-4100

Invoice Number **46978.6**
Page 1
Date JUL 26, 2002

PO June 2002

Customer No. M25

Bill To: METRO-NORTH RAILROAD
DEPT OF ENV COMPLIANCE & SERV
ATTN: GAIL SILKE
347 MADISON AVENUE
NEW YORK, NY 10017

Re: HARMON YARD
MANIFEST# NYG3317508
WORK ORDER 0409

Disposal Facility	CWM-MODEL CITY	**Customer P.O. #**	200336
Hauler	FREEHOLD CARTAGE	**WTS Order #**	4876
Ship Date	JUN 5 2002	**Technical Consultant**	JJW
Terms	1% 10/NET 30	**Type/ Division**	B / NY

Description/Comments	UOM	Quantity	Unit Price	Extended Price
PCB OIL/WATER	DRUM	17.00	550.00	9,350.00

Remit To: Waste Technology Services, Inc.
Dept No. 389
PO Box 8000
Buffalo, NY 14267

Subtotal	9,350.00
Total Sales Tax	0.00
Amount Due	9,350.00

Note: Past due invoices will be charge at 1.5 Percent per month. Kindly add to remittance.

NYG3317508

Please type or print. Do not staple

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 1/5/89)

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYD084006477
Manifest Doc. No.: 17508
2. Page 1 of: 1
Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address: Metro North Railroad
c/o Yardmaster Safety Dept. 24 Fisher La
N. White Plains NY 10603

4. Generator's Telephone Number: (212) 340-2050

A. NYG3317508

B. Generator's ID: 1 Croton Point
Croton on Hudson, NY

5. Transporter 1 (Company Name): Freehold Cartage, Inc.
6. US EPA ID Number: NJD054126164

C. State Transporter's ID: 438589-ME

D. Transporter's Telephone: (732) 462-1001

7. Transporter 2 (Company Name):
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Telephone:

9. Designated Facility Name and Site Address: CWM Chemical Services, LLC
1550 Balmer Road
Model City NY 14107
10. US EPA ID Number: NYD049836679

G. State Facility ID:

H. Facility Telephone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Polychlorinated biphenyls, liquid, mixture 9, UN2315, III	017	DM	06800	LBS	EPA B002
					STATE
b.					EPA
					STATE
c					EPA
					STATE
d.					EPA
					STATE

J. Additional Descriptions for Materials listed Above
a. -01
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. B
c.
b.
d.

15. Special Handling Instructions and Additional Information
WTS#4876 SR#
Emer. Contact: 212-340-2050 81561149
a.ET9569 - ERG# 171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: John Hegar
Signature:
Mo: 06 Day: 06 Year: 02

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: THOMAS WILSON
Signature: Thomas Wilson
Mo: 06 Day: 06 Year: 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Mo: Day: Year:

19. Discrepancy Indication Space: Ia STATE = B002
13c = 2975 14a = K
6-10-02
TSCA regulated material was not manifested in K. Weight & individual container was not known.

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: Richard LaDeno
Signature:
Mo: 06 Day: 10 Year: 02

State Copies

FREEHOLD CARTAGE INC.

P O BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-7001 • FAX (732) 308-0921 (HAZMAT) • FAX (732) 409-7243 (SOLID WASTE)

175 BARTOW MUN AIRPORT
BARTOW, FL 33830
PHONE: 863 533 4539
FAX (863 533 1510

108 MONAHAN AVENUE
DUNMORE, PA 18512
PHONE (570) 342-7222
FAX (570) 342-7367

350 PIGEON POINT ROAD
NEW CASTLE, DE 19720
PHONE: 302) 658-2005
FAX (302) 658-6229

156 DRIFTWOOD DRIVE
EUTAWVILLE, SC 29048
PHONE/FAX (803) 492-9595

NO. 351959

REMIT TO
FREEHOLD CARTAGE INC.
P O BOX 5010
FREEHOLD NJ 07728-5010

VN

DATE 06/21/2002
PAGE

BILL TO

SERVICE LOCATION

WASTE TECHNOLOGY SERVICES
640 PARK PLACE

NIAGARA FALLS NY 14301

LTL

ACCOUNT NUMBER	DATE OF SERVICE	TERMS	TYPE OF SERVICE	CUSTOMER ORDER #
2WAS08	06-05-2002	NET 30 DAYS	G17977	4876

QUANTITY	DESCRIPTION	
1.000	TS	TRANSPORTATION SERVICES
1.250	DEML	LOADING DEMURRAGE/HOUR
5.250	DEMU	UNLOADING DEMURRAGE/HOUR
1.000	FS	FUEL SURCHARGE

FCI IS PLEASED TO OFFER FOR YOUR CONVENIENCE AN OPPORTUNITY TO REMIT PAYMENTS BY MAJOR CREDIT CARDS (MASTERCARD, VISA, AMEX) OR BY WIRE TRANSFER.

PLEASE CALL JOSIE @ EXT 7004 FOR INFORMATION.

L34443 L34450 L34447
L34442 L34448
L34444 L34446
L34445 L34449
*** VISIT OUR WEB PAGE @ HTTP:\\WWW.FREEHOLDCARTAGE.COM ***

ORIGINAL

FOLD

ARROW BUSINESS FORMS (856) 235-3241

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

FCI EPA ID NO. NJD054126164

L 34449

114 Schoolground Rd.
Branford, CT 06405
Phone: (203) 483-5964
Fax: (203) 483-5984

350 Pigeon Point Road
New Castle, DE 19720
Phone: (302) 658-2005
Fax: (302) 658-6229

175 Bartow Mun. Airport
Bartow, FL 33830
Phone: (863) 533-4599
Fax: (863) 533-1613

5035 Dunham Road
Maple Heights, OH 44137
Phone: (330) 835-3473
Fax: (330) 835-3732

108 Monahan Avenue
Dunmore, PA 18512
Phone: (570) 342-7232
Fax: (570) 342-7367

156 Driftwood Drive
Eutawville, SC 29048
Phone: (803) 492-9595
Fax: (803) 492-3350

SHIPPER NAME/ADDRESS	PHONE (AREA CODE)	TRACTOR	TRAILER	APPOINTMENT TIME
MERIT Motor Lines 1 CROTON POINT CROTON on HUDSON - NY		634	4480	:

FCI REP. LOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED	TIME AT SHIPPER	(MILITARY TIME ONLY)
TOM Wilson				10:00 ARRIVAL TIME	11:15 DEPARTURE TIME

COMMENTS OR DELAYS AT SHIPPER	EQUIPMENT USED

BROKER:

PO#: WO#: 272670

MANIFEST / DOCUMENT NO.

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO	FORM
	1	SEE MANIFEST	NA 9	3175 08							
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE	SHIPPER'S SIGNATURE	DATE LOADED
	X [signature] I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT	06 / 06 / 02 MO. DAY YR.

CONSIGNEE NAME/ADDRESS	PHONE (AREA CODE)	TRACTOR	TRAILER	APPOINTMENT TIME
CWM 1550 BALMER RD MODEL CITY, NY 14107		672	4480	09:30

FCI REP. UNLOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED	TIME AT CONSIGNEE	(MILITARY TIME ONLY)
T. Coots	LIVE UNL	✓	✓	09:30 ARRIVAL TIME	10:15 DEPARTURE TIME

COMMENTS OR DELAYS AT CONSIGNEE	EQUIPMENT USED

PLEASE PRINT NAME/TITLE	CONSIGNEE SIGNATURE	DATE UNLOADED
Richard LaBEND	X [signature]	06 / 10 / 02 MO. DAY YR.

AR H-0257	MD HWH-167 2001-OPV-2335	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	ME ME-HWT-47 ME-WOT-47	ND WH-429	OK 3358	WI 11602
DE DE-HW-203 DE-SW-203	MI UPW-0190713-OH	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
IL UPW-0190713-OH	MN UPW-0190713-OH	NJ S-2265 15939	PA PA-AH-0067	
MA MA-294		NY NJ-113	OUEBEC, CANADA QC-6ML-047	
			RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office, Customer
Green - Retained by TSDF

L 34449

2002

MAIL INVOICE TO: METRO-NORTH COMMUTER RAILROAD CO.
P.O. Box 3581
Grand Central Station
New York, NY 10163

DATE	STORE CODE	PURCHASE ORDER NO.	PAGE
4-12-99		200336	

PURCHASE ORDER NO. MUST APPEAR ON INVOICES AND ANY CORRESPONDENCE

VENDOR NAME AND ADDRESS:

Waste Technology Services Inc.
Department #389
P.O. Box 8000
Buffalo, NY 14267

VENDOR NUMBER: 161188126

SHIP TO: METRO-NORTH COMMUTER RAILROAD COMPANY

Environmental Services & Compliance
347 Madison Avenue
New York, NY 10017

REFER ALL COMMUNICATIONS TO:

Karen Timko, (212) 340-3322

F.O.B.	SHIP VIA	PAYMENT TERMS
NA	NA	NA

QUANTITY	U/M	ITEM NUMBER / DESCRIPTION	VENDOR PART NUMBER	UNIT PRICE	TOTAL AMOUNT
		Contract No. 200336 Transportation and Disposal of Regulated Waste All terms and conditions of this agreement shall be in accordance with RFP No. 200336 and Waste Technology Inc.'s proposal dated January 6, 1999. The period of performance is: April 12, 1999 through April 11, 2004			1,500,000.00 (Not-to-Exceed)

10/4/02
OK to Pay

INVOICE NO: 47563.2

INVOICE DATE: 9/20/02

SHIP DATE: 7/10/02

P.O. LINE #: 0002

SIGNATURE: Gail Silke
LOCATION: 12th Fl. 347 Mad.
DATE: / /

APPROVAL

DISPOSAL OF DRUMS OF PCB OIL/WATER - OU II PROJECT - HARMON

LEDGER ACCT.	MANAGEMENT CENTER	COST CENTER	PURPOSE ACCT.	WORK ORDER	$
6648	11504	17020	073	0409	19250.00

tro-North Commuter Railroad Company, a government instrumentality of The State of New York, is exempt from state and local sales
s and federal excise taxes on its purchases.

ase include in your price quotations all discounts accorded to other agencies of The State of New York.

BJECT TO terms and conditions on reverse side of this order. Only the terms and conditions set forth herein shall constitute ar
eement between the parties.

(REV. 2/97)

CONTRACT ADMINISTRATION

WTS

WASTE TECHNOLOGY SERVICES, INC.

Invoice

Waste Technology Services, Inc.
640 Park Place
Niagara Falls, NY 14301
(716) 282-4100

Invoice Number **47563.2**
Page 1
Date SEPT 20, 2002

PO Line 0002

Customer No. M25

Bill To: METRO-NORTH RAILROAD
DEPT OF ENV COMPLIANCE & SERV
ATTN: GAIL SILKE
347 MADISON AVENUE
NEW YORK, NY 10017

Re: HARMON YARD
MANIFEST# NYG3316815

Disposal Facility	CWM-MODEL CITY	**Customer P.O. #**	200336
Hauler	FREEHOLD CARTAGE	**WTS Order #**	5275
Ship Date	JUL 10 2002	**Technical Consultant**	JJW
Terms	1% 10/NET 30	**Type/ Division**	BL / NY

Description/Comments	UOM	Quantity	Unit Price	Extended Price
PCB OIL/WATER, 55 GAL WORK ORDER 0409	DRUM	35.00	550.00	19,250.00

Remit To: Waste Technology Services, Inc.
Dept No. 389
PO Box 8000
Buffalo, NY 14267

Subtotal	19,250.00
Total Sales Tax	0.00
Amount Due	19,250.00

Note: Past due invoices will be charge at 1.5 Percent per month. Kindly add to remittance.

NYG 3316815

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

(1)

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law
	NYD084006477	16815	1	

3. Generator's Name and Mailing Address: Metro North Railroad
c/o Yardmaster Safety Dept. 24 Fisher La
N. White Plains NY 10603

4. Generator's Telephone Number: 212) 340-2050

5. Transporter 1 (Company Name): Freehold Cartage, Inc.

6. US EPA ID Number: NJD054126164

7. Transporter 2 (Company Name)

8. US EPA ID Number

9. Designated Facility Name and Site Address
CWM Chemical Services, LLC
1550 Balmer Road
Model City NY 14107

10. US EPA ID Number: NYD049836679

A. NYG 3316815

B. Generator's ID: 1 Croton Point
Croton on Hudson, NY

C. State Transporter's ID: 04-4017-NE

D. Transporter's Telephone: (732) 462-1001

E. State Transporter's ID

F. Transporter's Telephone: ( )

G. State Facility ID

H. Facility Telephone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Polychlorinated biphenyls, liquid, mixture 9, UN2315, III	035	DM	06125	K	EPA B002 / STATE
b.					EPA / STATE
c					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above: a. -U

K. Handling Codes for Wastes Listed Above: a. B

15. Special Handling Instructions and Additional Information
XXXXXXX SR# _____ WTS#5275
Emer. Contact: 212-340-2050
a.BT9569 - ERG# 171

8156190

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Joe Verbitsky		07	10	02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo	Day	Year
WALTER EFFLER		07	10	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo	Day	Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Mo	Day	Year

GENERATOR

In an emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

L 34840

114 Schoolground Rd.
Branford, CT 06405
Phone: (203) 483-5964
Fax: (203) 483-5984

350 Pigeon Point Road
New Castle, DE 19720
Phone: (302) 658-2005
Fax: (302) 658-6229

175 Bartow Muni Airport
Bartow, FL 33830
Phone: (863) 533-4599
Fax: (863) 533-1613

5533 Dunham Road
Maple Heights, OH 44137
Phone: (330) 835-3473
Fax: (330) 835-3732

108 Monahan Avenue
Dunmore, PA 18512
Phone: (570) 342-7232
Fax: (570) 342-7367

156 Driftwood Drive
Eutawville, SC 29048
Phone: (803) 492-9595
Fax: (803) 492-3350

SHIPPER NAME/ADDRESS	PHONE (AREA CODE)	
Merco Paper		
	TRACTOR: 701	TRAILER: 355
	APPOINTMENT TIME: :	

FCI REP. LOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED	TIME AT SHIPPER (MILITARY TIME ONLY)
WWP Rec'd				15:00 ARRIVAL TIME / 16:00 DEPARTURE TIME

COMMENTS OR DELAYS AT SHIPPER	EQUIPMENT USED

BROKER:

PO#: WO#: 77965 03

MANIFEST / DOCUMENT NO. NJG-3[illegible]

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T HAZARDOUS CLASS	NA/UN/NO	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO	FORM
	1		-								
	2		9S CLASS								
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE	SHIPPER'S SIGNATURE	DATE LOADED
Todd Wetzel	X [signature] I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT	7/10/12 MO. DAY YR.

CONSIGNEE NAME/ADDRESS	PHONE (AREA CODE)	
CWM Model City NY		
	TRACTOR: 621	TRAILER: 354
	APPOINTMENT TIME: :	

FCI REP. UNLOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED	TIME AT CONSIGNEE (MILITARY TIME ONLY)
R. Hunt				06:30 ARRIVAL TIME / 16:2[illegible] DEPARTURE TIME

COMMENTS OR DELAYS AT CONSIGNEE	EQUIPMENT USED

PLEASE PRINT NAME/TITLE	CONSIGNEE SIGNATURE	DATE UNLOADED
	X Richard L K	07/15/12 MO. DAY YR.

AR H-0257	MD HWH-167 2001-OPV-2335	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	ME ME-HWT-47 ME-WOT-47	ND WH-429	OK 3358	WI 11602
DE DE-HW-203 DE-SW-203	MI UPW-0190713-OH	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
IL UPW-0190713-OH	MN UPW-0190713-OH	NJ S-2265 15939	PA PA-AH-0067	
MA MA-294		NY NJ-113	QUEBEC, CANADA QC-6ML-047	
			RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
[illegible]

L [illegible]

2004

MAIL INVOICE TO: METRO-NORTH COMMUTER RAILROAD CO.
P.O. Box 3581
Grand Central Station
New York, NY 10163

DATE	STORE CODE	PURCHASE ORDER NO.	PAGE
4-12-99		200336	

PURCHASE ORDER NO. MUST APPEAR ON INVOICES AND ANY CORRESPONDENCE

VENDOR NAME AND ADDRESS:

Waste Technology Services Inc.
Department #389
P.O. Box 8000
Buffalo, NY 14267

SHIP TO: METRO-NORTH COMMUTER RAILROAD COMPANY

Environmental Services & Compliance
347 Madison Avenue
New York, NY 10017

VENDOR NUMBER: 161188126

REFER ALL COMMUNICATIONS TO:
Karen Timko, (212) 340-3322

F.O.B.	SHIP VIA	PAYMENT TERMS
NA	NA	NA

QUANTITY	U/M	ITEM NUMBER / VENDOR PART NUMBER / DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		Contract No. 200336 Transportation and Disposal of Regulated Waste All terms and conditions of this agreement shall be in accordance with RFP No. 200336 and Waste Technology Inc.'s proposal dated January 6, 1999. The period of performance is: April 12, 1999 through April 11, 2004 INVOICE NO: 53768 INVOICE DATE: 2/27/04 SHIP DATE 2/10/04 P.O. LINE #: 0002		1,500,000.00 (Not-to-Exceed)

3/12/04
OK to Pay

SIGNATURE: Gail Silke
LOCATION: 12th Fl. 347 Mad.
DATE: / /
APPROVAL

DISPOSAL OIL/WATER - WWTP & USED OIL TANK - HARMON

LEDGER ACCT	MANAGEMENT CENTER	COST CENTER	PURPOSE ACCT	WORK ORDER	$
6648	11504	17020	073		2010.00

Metro-North Commuter Railroad Company, a government instrumentality of The State of New York, is exempt from state and local sales taxes and federal excise taxes on its purchases.

Please include in your price quotations all discounts accorded to other agencies of The State of New York.

SUBJECT TO terms and conditions on reverse side of this order. Only the terms and conditions set forth herein shall constitute an agreement between the parties.

P-6 (REV. 2/97)

CONTRACT ADMINISTRATION

Invoice

Waste Technology Services, Inc.

640 Park Place
Niagara Falls, NY 14301
(716) 282-4100

Invoice Number	53768
Page	1
Date	Feb 27, 2004

10 Lewis 5502

Customer No. M25

Bill To: METRO-NORTH RAILROAD
DEPT OF ENV COMPLIANCE & SERV
ATTN: GAIL SILKE
347 MADISON AVENUE
NEW YORK, NY, 10017

Re: HARMON WWT TANK (400 GALS)
MANIFEST # UISA0121470
HARMON USED OIL TANK-1060
28 DRUMS PUMPED-1540 GALS

Disposal Facility	UNITED INDUSTRIAL SERVICES	**Customer P.O.#**	200336
Hauler	UNITED INDUSTRIAL SERVICES	**WTS Order #**	11862
Ship Date	2/10/2004	**Technical Consultant**	JJW
Terms Code	1% 10/NET 30	**Type/Div**	B / NY

Description/Comments	UOM	Quantity	Unit Price	Extended Price
TRANS & DISP OF OIL/WATER (3000 GALLONS SHIPPED)	GALLON	5,000.00	0.35	1,750.00
LOADING	HOUR	4.00	65.00	260.00

Subtotal	2,010.00
Total sales tax	0.00
Amount due	2,010.00

Remit To: WASTE TECHNOLOGY SERVICES, INC.
DEPT NO 389
PO BOX 8000
BUFFALO, NY 14267

Note: Past due invoices will be charged at 1.5 percent per month. Kindly add to remittance.

INVOICE

Customer Copy

UNITED INDUSTRIAL SERVICES
DIVISION OF UNITED OIL RECOVERY, INC.
14 West Main Street, P.O. Box 902
Meriden, Connecticut 06450-0902
(203) 238-6757 Fax (203) 238-6772

PAGE 1

INVOICE DATE 02/19/04

INVOICE NO. 00230033

SOLD TO
WAS207
ATTN: ACCOUNTS PAYABLE
WASTE TECHNOLOGY SERVICES INC
640 PARK PLACE
NIAGARA FALLS NY 14301

SHIP TO
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT CT 06610

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT.

SLS1	SLS2	DUE DATE		WORKORDER NO.	SERVICE DATE
INS	TS	03/20/04		00396572	02/10/04

TERMS DESCRIPTION	CUSTOMER PO NUMBER	SH
NET/30	PO #11862	UNITED IND

ITEM ID	TX CL	UNIT OF MEASURE	ORDERED	SHIPPED
3716LH METRO NORTH / WASTE OIL -#12815 Manifest: UISA0121470 1 CROTON POINT AVE CROTON ON HUDSON NY	00	GALS	3000.00	3000.00
TR TRANSPORTATION	00	TRIP	1.00	1.00
DEM DEMURRAGE (1 HR FREE)	00	HRS	4.00	4.00
INS INSURANCE SURCHARGE	00	UNIT	1.00	1.00

RECEIVED FEB 2 4 2004

OR TO PAY

TERMS: INTEREST SHALL ACCRUE AT THE RATE OF 1 1/2% PER MONTH ON ALL AMOUNTS NOT PAID IN 30 DAYS. CUSTOMER AGREES TO PAY ALL COSTS OF COLLECTION INCLUDING A REASONABLE ATTORNEY'S FEE IN THE EVENT THIS ACCOUNT IS TURNED OVER TO AN ATTORNEY FOR COLLECTION

TAXABLE	FREIGHT	SALES TAX	MISC CHAR
	.00	.00	

REMIT TO: UNITED O. BOX 902 MERIDEN, CT 06450-0902 (203

NONHAZARDOUS WASTE MANIFEST

Please type (or print): t0

1. Generator's US EPA ID No.: N.Y.D.0.8.4.0.0.6.4.7 | Manifest Document No.: 7.2.1.4.7

2. Page 1 of 1: 0

3. Generator's Name and Mailing Address
METRO NORTH RAILROAD SFTY DEPT
24 FISHER LANE N. WHITE PLAINS, NY 10603

4. Generator's Phone (800) 724-3004 ATTN:KEN MCHALE

A. Nonhazardous Waste Manifest Document Number: UIS A 0121470

B. G.S.I. (Gen. Site Address)
METRO NORTH RAILROAD
1 CROTON POINT AVENUE
CROTON ON HUDSN, NY 10520

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): 29294A

D. Tran. Phone (203) 238-6745

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. S.T.I. (Trans. Lic. Plate #):

F. Tran. Phone ( ):

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610

10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7

G. State Facility's ID (Not Required):

H. Facility's Phone: 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. STATE REGULATED WASTE NONE, NONE	0 0 1	T T	3000	G	EPA NONE STATE CR04/
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. WASTE WATER WTS#12815 T0.1
c.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	S02	T50	c.		
b.		NYS-B	d.		

15. Special Handling Instructions and Additional Information
3716LH EMERGENCY RESPONSE GUIDE # N/A EMERGENCY PHONE # (203)238-6745

Point of Departure.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Charles Kane | Signature | Month Day Year: 02/10/04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kevin Merrill | Signature | Month Day Year: 02/10/04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Rose Magalhaes | Signature: R Magalhaes | Month Day Year: 02/10/04

COPY 1 FACILITY COPY

2004

MAIL INVOICE TO: METRO-NORTH COMMUTER RAILROAD CO.
P.O. Box 3581
Grand Central Station
New York, NY 10163

DATE	STORE CODE	PURCHASE ORDER NO.	PAGE
4-12-99		200336	

PURCHASE ORDER NO. MUST APPEAR ON INVOICES AND ANY CORRESPONDENCE

VENDOR NAME AND ADDRESS:

Waste Technology Services Inc.
Department #389
P.O. Box 8000
Buffalo, NY 14267

VENDOR NUMBER: 161188126

SHIP TO: METRO-NORTH COMMUTER RAILROAD COMPANY

Environmental Services & Compliance
347 Madison Avenue
New York, NY 10017

REFER ALL COMMUNICATIONS TO:

Karen Timko, (212) 340-3322

F.O.B.	SHIP VIA	PAYMENT TERMS
NA	NA	NA

LINE	QUANTITY	U/M	ITEM NUMBER	VENDOR PART NUMBER	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
					Contract No. 200336 Transportation and Disposal of Regulated Waste All terms and conditions of this agreement shall be in accordance with RFP No. 200336 and Waste Technology Inc.'s proposal dated January 6, 1999. The period of performance is: April 12, 1999 through April 11, 2004		1,500,000.00 (Not to Exceed)

OK to Pay
1/28/04

INVOICE NO: 55176

INVOICE DATE: 6/30/04

SHIP DATE: 5/25/04

P.O. LINE #: 0002

SIGNATURE: Gail Silke

LOCATION: 12th Fl. 347 Mad. DATE: / /

APPROVAL

DISPOSAL WASTE WATER - OU II LAGOON - HAMON US

LEDGER ACCT.	MANAGEMENT CENTER	COST CENTER	PURPOSE ACCT.	WORK ORDER	$
6648	11504	17020	073	0416	3245.00

Metro-North Commuter Railroad Company, a government instrumentality of The State of New York, is exempt from state and local sales taxes and federal excise taxes on its purchases.

Please include in your price quotations all discounts accorded to other agencies of The State of New York.

SUBJECT TO terms and conditions on reverse side of this order. Only the terms and conditions set forth herein shall constitute an agreement between the parties.

6 (REV. 2/97)

CONTRACT ADMINISTRATION

WASTE TECHNOLOGY SERVICES INC

Invoice

Waste Technology Services, Inc.

435 N Second Street

Lewiston, NY 14092

(716) 282-4100

Invoice Number	55176
Page	1
Date	Jun 30, 2004

PO Line 0002

Customer No. M25

Bill To: METRO-NORTH RAILROAD
DEPT OF ENV COMPLIANCE & SERV
ATTN: GAIL SILKE
347 MADISON AVENUE
NEW YORK, NY 10017

Re: HARMON YARD
OU2 LAGOON WELLS
MANIFEST# CTF1198095

Disposal Facility	UNITED INDUSTRIAL SERVICES	Customer P.O.#	200336
Hauler	MILLER ENVIRONMENTAL GROUP INC	WTS Order #	13042
Ship Date	5/25/2004	Salesperson	JJW
Terms Code	1% 10/NET 30	Type/Div	B / NY

Description / Comments	UOM	Quantity	Unit Price	Extended Price
TRANS & DISP OF WASTE WATER (1103 GALLONS SHIPPED)	GALLON	5,000.00	0.45	2,250.00
EMERGENCY TRANSPORTATION (MILLER ENVIR)	TKLD	1.00	995.00	995.00

Remit To: WASTE TECHNOLOGY SERVICES, INC.
DEPT NO 389
PO BOX 8000
BUFFALO, NY 14267

Subtotal	3,245.00
Total sales tax	0.00
Amount Due	3,245.00

Note: Past due invoices will be charged at 1.5 percent per month. Kindly add to remittance.

INVOICE

Customer Copy

UNITED INDUSTRIAL SERVICES
DIVISION OF UNITED OIL RECOVERY, INC.
14 West Main Street, P.O. Box 902
Meriden, Connecticut 06450-0902
(203) 238-6757 Fax (203) 238-6772

PAGE 1

INVOICE DATE 05/31/04

INVOICE NO. 00235960

SOLD TO
WAS207
ATTN: ACCOUNTS PAYABLE
WASTE TECHNOLOGY SERVICES INC
435 NORTH 2ND ST
LEWISTON NY 14092-1280

SHIP TO
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT CT 06610

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT.

SLS1	SLS2	DUE DATE		WORKORDER NO.	SERVICE DATE
INS		06/30/04		00417668	05/25/04

TERMS DESCRIPTION	CUSTOMER PO NUMBER	SH
NET/30	13042	MEG ENVIRO

ITEM ID	TX CL	UNIT OF MEASURE	ORDERED	SHIPPED
3716LH	00	GALS	1103.00	1103.00
METRO NORTH - WASTE OIL Manifest: CTF1198095				
MINIMM	00	EACH	1.00	1.00
MINIMUM LOAD CHARGE				
INS	00	UNIT	1.00	1.00
INSURANCE SURCHARGE				

RECEIVED JUN - 9 2004

OK TO PAY

TERMS: INTEREST SHALL ACCRUE AT THE RATE OF 1 1/2% PER MONTH ON ALL AMOUNTS NOT PAID IN 30 DAYS. CUSTOMER AGREES TO PAY ALL COSTS OF COLLECTION INCLUDING A REASONABLE ATTORNEY'S FEE IN THE EVENT THIS ACCOUNT IS TURNED OVER TO AN ATTORNEY FOR COLLECTION.

TAXABLE	REIGHT	SALES TAX	MISC CHAR
	.00	.00	

REMIT TO: **UNITED** O. BOX 902 MERIDEN, CT 06450-0902 (203

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C·R·W· · · · · · · · · · | Manifest Document No.: 9·8·0·9·5

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
METRO NORTH RAILROAD SAFETY DEPT.
24 FISHER LANE, NORTH WHITE PLAINS, NY 10603
4. Generator's Phone (800) 724-3004 ATT: KEN MCHALE

A. State Manifest Document Number: CT E 1198095

B. G.S.I. (Gen. Site Address): HARMON YARD (CONTR.) CROTON HARMON, NY

5. Transporter 1 Company Name: MILLER ENVIRONMENTAL GROUP, INC
6. US EPA ID Number: N·Y·D·9·8·6·9·0·8·0·8·5

C. S.T.I. (Trans. Lic. Plate #): 601838 NY

7. Transporter 2 Company Name:
8. US EPA ID Number: · · · · · · · · · · · ·

D. Tran. Phone: (845) 569-1200

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610
10. US EPA ID Number: C·T·D·0·0·2·5·9·3·8·8·7

E. S.T.I. (Trans. Lic. Plate #):

F. Tran. Phone ( ):

G. State Facility's ID (Not Required):

H. Facility's Phone: 203-334-1666

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. STATE REGULATED WASTE, NONE, NONE	X·X·1	T·T	X·1·1·0·3	G	EPA NONE / STATE CR04
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above (Interim / Final)	
a. WTS#13042	c.	a. T03 T45	c.
b.	d.	b. S02 M ST	d.

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT#845-569-1200 UNITED#3716LH
MEG JOB#N04-0331

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Bruce Washburn	Bruce Washburn	05	25	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
KENNETH COMPEAU	Kenneth Compeau	05	25	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		·	·	·

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Magalhaes	R Magalhaes	05	25	04

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039.

COPY 1: FACILITY MAILS TO DESTINATION STATE

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP-OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

MILLER ENVIRONMENTAL GROUP INC.

631-369-4900
538 Edwards Avenue
Calverton, NY 11933
FAX 631-369-4909

INVOICE NUMBER 4002179-IN

Page 1 of 1

KS

WASTE TECHNOLOGY SERVICES
640 PARK PLACE
NIAGARA FALLS, NY 14301

June 14, 2004

JOB NUMBER N040341

REFERENCE WTS#13042

Customer #: 04-WASTETE

Description	Quantity/ Unit	Unit Price	Amount
Metro North, Croton Harmon Yard, Croton, NY.			
RE: Transportation of Waste From Croton Yard OU II Well Pumping Event.			
05/25/04 Worksheet#100733			
Transportation	1.00 LOAD		

RECEIVED JUN 2 5 200

OK TO PAY

SUBTOTAL:

SALES TAX:

INVOICE TOTAL:

TAX EXEMPT
TERMS NET 10 DAYS

2005

Metro-North Railroad
Procurement and Material Management Department
347 Madison Avenue, New York, NY 10017-3739

PURCHASE ORDER – RECEIVING DOCUMENTATION

CEIVING INSTRUCTIONS:
ill in the "DATE REC'D" and "QTY RECEIVED" information for each item.
ign the bottom of the form in the "RECEIVED BY" area.
Forward completed form as follows:
NON-STANDARD MATERIAL - Send to: Accounts Payable Dept. - Mgr. Accts Pay

DATE	STORE CODE	PURCHASE ORDER NO.	PAGE
10/12/04		201466	

IDOR NAME AND ADDRESS

Waste Technology Services Inc.
435 North 2nd Street
Lewiston, NY 14092
Attn: James Weber

ENDOR NUMBER: 161188126

SHIP TO METRO-NORTH COMMUTER RAILROAD COMPANY

Environmental Compliance & Service Dept.
347 Madison Avenue, 14th Floor
New York, NY 10017

REFER ALL COMMUNICATIONS TO:

Karen Timko (212) 340-3322 J. A. Colucci

FOB	SHIP VIA	PAYMENT TERMS
N/A	N/A	N/A

QUANTITY	U/M	ITEM NUMBER / VENDOR PART NUMBER / DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		Contract No. 201466 Transportation and Disposal of REgulated Waste All terms and conditions of this agreement shall be in accordance with RFP No1 201466 and Waste Technology Inc.'s proposal dated June 1, 2004. The period of performance is: October 12, 2004 through October 11, 2007 INVOICE #: 59489 INVOICE DATE: 8-15-05 SHIP DATE: 7-19-05 PO LINE #: 001 PURPOSE: DISPOSAL O/C/WATER – OU II LAGOON	N/A	$10,000,000.00 (Not-to-Exceed)

9/1/05 OK to Pay

LEDGER ACCT	MANAGEMENT CENTER	COST CENTER	PURPOSE ACCT	WORK ORDER	
6648	11504	17020	073		$2047.50 TOTAL

Metro-North Commuter Railroad Company, a government instrumentality of The State of New York, is exempt from state and local sales es and federal excise taxes on its purchases.

ase include in your price quotations all discounts accorded to other agencies of The State of New York.

***BJECT TO** terms and conditions on reverse side of this order. Only the terms and conditions set forth herein shall constitute an reement between the parties.*

6 (REV. 2/97)

Received By _____ Date _____

RECEIVING

WASTE TECHNOLOGY SERVICES INC

Invoice

Waste Technology Services, Inc.
Innovative Environmental Solutions

435 N Second Street
Lewiston, NY 14092
(716) 754-5400

Invoice Number	59489
Page	1
Date	Aug 15, 2005

dept 53204

Customer No. M25

Bill To:
METRO-NORTH RAILROAD
DEPT OF ENV COMPLIANCE & SERV
ATTN: GAIL SILKE
347 MADISON AVENUE
NEW YORK, NY 10017

Re: HARMON YARD
OU2 LAGOON TANK - 500 GALLONS
USED OIL TANK - 4100 GALLONS
MANIFEST# UISA0080341

Disposal Facility	UNITED INDUSTRIAL SERVICES	Customer P.O.#	0000003144
Hauler	UNITED INDUSTRIAL SERVICES	WTS Order #	17392
Ship Date	7/19/2005	Salesperson	JJW
Terms Code	1% 10/NET 30	Type/Div	B / NY

Description / Comments	UOM	Quantity	Unit Price	Extended Price
TRANS & DISP OF OIL/WATER (4600 GALLONS SHIPPED)	GALLON	5,000.00	0.39	1,950.00
ON-SITE DEMURRAGE	HOUR	1.50	65.00	97.50

Remit To: WASTE TECHNOLOGY SERVICES, INC
DEPT NO 389
PO BOX 8000
BUFFALO, NY 14267

Subtotal	2,047.50
Total sales tax	0.00
Amount Due	2,047.50

Note: Past due invoices will be charged at 1.5 percent per month. Kindly add to remittance.

WWW.WTSONLINE.COM

INVOICE

Customer Copy

UNITED INDUSTRIAL SERVICES
DIVISION OF UNITED OIL RECOVERY, INC
14 West Main Street, P.O. Box 902
Meriden, Connecticut 06450-0902
(203) 238-6757 Fax (203) 238-6778

PAGE 1

INVOICE DATE 07/28/05

INVOICE NO. 00260271

SOLD TO
WAS207
ATTN: ACCOUNTS PAYABLE
WASTE TECHNOLOGY SERVICES INC
435 NORTH 2ND ST
LEWISTON NY 14092-1280

SITE
METRO NORTH RAILROAD
1 CROTON POINT AVENUE
HARMON YARD, WWT TANK
CROTON ON HUDSN NY 10520

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT

SLS1	SLS2	DUE DATE	DESTINATION	WORKORDER NO.	SERVICE DAT
INS	TS	08/27/05	BRIDGE	00498996	07/19/05

TERMS DESCRIPTION	CUSTOMER PO NUMBER	SI
NET/30	17392	UNITED INI

ITEM ID	TX CL	UNIT OF MEASURE	ORDERED	SHIPPED
3716LH	00	GALS	4600.00	4600.00
METRO NORTH - WASTE OIL Manifest: UISA0080341				
TR	00	TRIP	1.00	1.00
TRANSPORTATION				
DEM	00	HRS	1.50	1.50
DEMURRAGE				
INS	00	UNIT	1.00	1.00
ENERGY SURCHARGE				

RECEIVE

OR TO PAY

TERMS: INTEREST SH
COLLECTION INCLUDIN
MONTH ON ALL AMOUNTS NOT PAID IN 30 DAYS. CUSTOMER
EVENT THIS ACCOUNT IS TURNED OVER TO AN ATTORNEY

TAXABLE	REIGHT	SALES TAX	MISC CH
	.00	.00	

REMIT TO: UNITED
O. BOX 902 MERIDEN, CT 06450-0902 (20

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No. / Manifest Document No.	2. Page 1 of 1
	NY DO 6400 6477 8034 1	

GENERATOR

3. Generator's Name and Mailing Address: METRO NORTH Railroad SAFTY Dept, Fisher Lane N white plains NY 10603
4. Generator's Phone (800) 724-3004 ATTN: KEN Mchalexard master
5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: CTD021816889
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address: BRIDGEPORT UNITED RECYCLING, 50 CROSS STREET, BRIDGEPORT, CT 06610
10. US EPA ID Number: CTD002593887

A. Nonhazardous Waste Manifest Document Number: UIS A 0080341
B. G.S.I. (Gen. Site Address): Metro North Railroad, SAME, Croton Point ave, Croton on Hudson NY 10520
C. S.T.I. (Trans. Lic. Plate #) 157337
D. Tran. Phone (203) 238-6745
E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 203-334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. State Regulated waste NONE · NONE	001	TT	4600		EPA NONE / STATE CT 04 CR02
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: a. GSR water WCS#12816

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.		T50	c.		
b.		W45=B	d.		

15. Special Handling Instructions and Additional Information: 1716LH EMERGENCY RESPONSE GUIDE# EMERGENCY PHONE # (203) 238-6745

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
GLENN M HOWARD	Glenn M Howard	7	19	05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Luis Villanueva	Luis Villanueva	7	19	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

~~Printed/Typed Name~~	Signature	Month	Day	Year
Tina DiGiamo	Tina DiGiamo	07	19	05

COPY 1 FACILITY COPY

Metro-North Railroad
Procurement and Material Management Department
347 Madison Avenue, New York, NY 10017-3739

PURCHASE ORDER – RECEIVING DOCUMENTATION

2006

CEIVING INSTRUCTIONS:
Fill in the "DATE REC'D" and "QTY RECEIVED" information for each item.
Sign the bottom of the form in the "RECEIVED BY" area.
Forward completed form as follows:
NON-STANDARD MATERIAL - Send to: Accounts Payable Dept. - Mgr. Accts. Pay.

DATE	STORE CODE	PURCHASE ORDER NO.	PAGE
10/12/04		201466	

NDOR NAME AND ADDRESS

Waste Technology Services Inc.
435 North 2nd Street
Lewiston, NY 14092
Attn: James Weber

SHIP TO: METRO-NORTH COMMUTER RAILROAD COMPANY

Environmental Compliance & Service Dept.
347 Madison Avenue, 14th Floor
New York, NY 10017

'ENDOR NUMBER: 161188126

REFER ALL COMMUNICATIONS TO:

Karen Timko (212) 340-3322 J. A. Colucci

FOB	SHIP VIA	PAYMENT TERMS
N/A	N/A	N/A

QUANTITY	U/M	ITEM NUMBER / VENDOR PART NUMBER / DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		Contract No. 201466 Transportation and Disposal of REgulated Waste All terms and conditions of this agreement shall be in accordance with RFP No1 201466 and Waste Technology Inc.'s proposal dated June 1, 2004. The period of performance is: October 12, 2004 through October 11, 2007 INVOICE #: 61825 INVOICE DATE: 3-7-06 SHIP DATE: 2-3-06 PO LINE #: 001 PURPOSE: DISPOSAL OF OIL/WATER HARMON LAGOON AREA	N/A	$10,000,000.00 (Not-to-Exceed) 3/13/06

LEDGER ACCT.	MANAGEMENT CENTER	COST CENTER	PURPOSE ACCT.	WORK ORDER	
6648	11504	17020	073		$ 2134.21 TOTAL

tro-North Commuter Railroad Company, a government instrumentality of The State of New York, is exempt from state and local sales es and federal excise taxes on its purchases.

ease include in your price quotations all discounts accorded to other agencies of The State of New York.

***BJECT TO** terms and conditions on reverse side of this order. Only the terms and conditions set forth herein shall constitute an reement between the parties.*

6 (REV 2/97)

Received By _____ Date _____

RECEIVING

WASTE TECHNOLOGY SERVICES INC

Invoice

Waste Technology Services, Inc.
435 N Second Street
Lewiston, NY 14092

(716) 754-5400

"Providing Innovative Environmental Solutions Since 1982"

Invoice Number	61825
Page	1
Date	Mar 07, 2006

Dept 76171

Customer No. M25

Bill To:
METRO-NORTH RAILROAD
DEPT OF ENV COMPLIANCE & SERV
ATTN: GAIL SILKE
347 MADISON AVENUE
NEW YORK, NY 10017

Re: HARMON LAGOON AREA/STORAGE TANKS/DRUMS
MANIFEST# UISA0194445

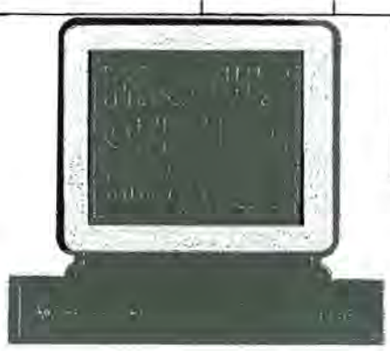
Disposal Facility	UNITED INDUSTRIAL SERVICES	**Customer P.O.#**	0000003144
Hauler	UNITED INDUSTRIAL SERVICES	**WTS Order #**	19512
Ship Date	02/03/2006	**Salesperson**	JJW
Terms Code	1% 10/NET 30	**Type/Div**	B / NY

Description / Comments	UOM	Quantity	Unit Price	Extended Price
TRANSPORTATION & DISPOSAL OF OIL/WATER	GAL	5,264.00	0.39	2,052.96
VACUUM TIME	HOUR	1.25	65.00	81.25

Remit To: WASTE TECHNOLOGY SERVICES, INC.
DEPT NO 389
PO BOX 8000
BUFFALO, NY 14267

Note: Past due invoices will be charged at 1.5 percent per month. Kindly add to remittance.

WWW.WTSONLINE.COM



Subtotal	2,134.21
Total sales tax	0.00
Amount due	2,134.21

INVOICE

Customer Copy

UNITED INDUSTRIAL SERVICES
DIVISION OF UNITED OIL RECOVERY INC
14 West Main Street, P.O. Box 902
Meriden, Connecticut 06450-0902
(203) 238-6757 Fax (203) 238-6778

PAGE 1

INVOICE DATE 02/27/06

INVOICE NO. 00274070

SOLD TO
WAS207
ATTN: ACCOUNTS PAYABLE
WASTE TECHNOLOGY SERVICES INC
435 NORTH 2ND ST
LEWISTON NY 14092-1280

SITE
METRO NORTH RAILROAD
1 CROTON POINT AVENUE
HARMON YARD, WWT TANK
CROTON ON HUDSN NY 10520

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT.

SLS1	SLS2	DUE DATE	DESTINATION	WORKORDER NO.	SERVICE DAT
INS	JR	03/29/06	BRIDGE	00540375	02/03/06

TERMS DESCRIPTION	CUSTOMER PO NUMBER	S
NET/30	19512	UNITED IN

ITEM ID	TX CL	UNIT OF MEASURE	ORDERED	SHIPPED
3716LH	00	GALS	5264.00	5264.00
METRO NORTH - WASTE OIL Manifest: UISA0194445				
TR	00	TRIP	1.00	1.00
TRANSPORTATION				
DEM	00	HRS	1.25	1.25
DEMURRAGE (1 HR FREE)				
INS	00	UNIT	1.00	1.00
ENERGY SURCHARGE				

*** NEW REMIT ADDRESS: PO BOX 845033 BOSTON MA 0

TERMS: INTEREST SI
COLLECTION INCLUDIN
MONTH ON ALL AMOUNTS NOT PAID IN 30 DA
E EVENT THIS ACCOUNT IS TURNED OVER TO

TAXABLE	FREIGHT	SALES TAX
	.00	.00

REMIT TO: **UNITE** P.O. BOX 902 MERIDEN, CT 0645

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
	N·Y·D·0·8·4·0·0·6·4·7·7	9·4·4·4·5	

GENERATOR

3. Generator's Name and Mailing Address
METRO NORTH RAILROAD SFTY DEPT
24 FISHER LANE N WHITE PLAINS, NY 10603

4. Generator's Phone (800) 724-3004 ATTN:KEN MCHALE/ YARD MASTER

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610
10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7

A. Nonhazardous Waste Manifest Document Number: UIS A 0194445
B. G.S.I. (Gen. Site Address): METRO NORTH RAILROAD
1 CROTON POINT AVENUE
CROTON ON HUDSN, NY 10520
C. S.T.I. (Trans. Lic. Plate #): C/V53302
D. Tran. Phone (203) 238-6745
E. S.T.I. (Trans. Lic. Plate #):
F. Tran. Phone ( ) -
G. State Facility's ID (Not Required):
H. Facility's Phone: 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. STATE REGULATED WASTE NONE, NONE	0 0 1	T T	X5264	G	EPA NONE STATE CR04/CR02
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. WASTE WATER WTS#12815
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final
a.	SQ	T25 T46 T49 T50
b.		

Interim	Final
c.	
d.	

15. Special Handling Instructions and Additional Information
3716LH EMERGENCY RESPONSE GUIDE # N/A EMERGENCY PHONE # (203)238-6745

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Bruce Washburn	Bruce Washburn	12	13	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ronald E Zyskowski	Ronald E Zyskowski	12	13	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Tina Diakomis	Tina Diakomis	12	13	06

COPY 1 FACILITY COPY

Metro-North Railroad
Procurement and Material Management Department
347 Madison Avenue, New York, NY 10017-3739

PURCHASE ORDER – RECEIVING DOCUMENTATION

2004

RECEIVING INSTRUCTIONS:
Fill in the "DATE REC'D" and "QTY RECEIVED" information for each item.
Sign the bottom of the form in the "RECEIVED BY" area.
Forward completed form as follows:
NON-STANDARD MATERIAL - Send to: Accounts Payable Dept. - Mgr. Accts. Pay.

DATE	STORE CODE	PURCHASE ORDER NO
10/12/04		201466

VENDOR NAME AND ADDRESS

Waste Technology Services Inc.
435 North 2nd Street
Lewiston, NY 14092
Attn: James Weber

VENDOR NUMBER: 161186126

SHIP TO METRO-NORTH COMMUTER RAILROAD COMPANY

Environmental Compliance & Service De
347 Madison Avenue, 12th Floor
New York, NY 10017

REFER ALL COMMUNICATIONS TO:

Karen Timko (212) 340-3322 J. A. Co.

FOB	SHIP VIA	PAYMENT TERMS
N/A	N/A	N/A

LINE	QUANTITY	U/M	ITEM NUMBER / VENDOR PART NUMBER / DESCRIPTION	UNIT PRICE	TOTAL AMO
			Contract No. 201466 Transportation and Disposal of Regulated Waste	N/A	$10,000,0 (Not-to-Ex
			All terms and conditions of this agreement shall be in accordance with RFP No: 201466 and Waste Technology Inc.'s proposal dated June 1, 2004.		
			The period of performance is:		
			October 12, 2004 through October 11, 2009		
			INVOICE #: 77830.1		
			INVOICE DATE: 2-10-10		
			SHIP DATE: 12-23-09		
			PO LINE #: 001		
			PURPOSE: DISPOSAL OF PCB OIL FROM 00-2-HARMON		

2/18/10
OK to Pay

LEDGER ACCT.	MANAGEMENT CENTER	COST CENTER	PURPOSE ACCT.	WORK ORDER	$ 8823.09 TOTAL
6648	11504	1720	073		

Metro-North Commuter Railroad Company, a government instrumentality of The State of New York, is exempt from state and loca taxes and federal excise taxes on its purchases.

Please include in your price quotations all discounts accorded to other agencies of The State of New York.

***SUBJECT TO** terms and conditions on reverse side of this order. Only the terms and conditions set forth herein shall constit agreement between the parties.*

CP - 6 (REV. 2/97)

Received By _____ Date _____

RECEIVING

Invoice

Invoice Number 77830.1
Page 1
Date FEB 10, 2010

WTS, Inc.
435 N Second Street
Lewiston, NY 14092
(716) 754-5400

"Providing Innovative Environmental Solutions Since 1982"

2009 received
Sept 248660

Customer No. M25

Bill To: METRO-NORTH RAILROAD
DEPT OF ENV COMPLIANCE & SERV
ATTN: GAIL SILKE
525 NORTH BROADWAY
WHITE PLAINS, NY 10603

Re: HARMON YARD
MANIFEST# 003675396 JJK

Disposal Facility	CWM-MODEL CITY	**Customer P.O. #**	0000003144
Hauler	FREEHOLD CARTAGE INC	**WTS Order #**	35595
Ship Date	12/23/2009	**Technical Consultant**	JJW
Terms	1% 10/NET 30	**Type/ Division**	B / DS

Description/Comments	UOM	Quantity	Unit Price	Extended Price
PCB OIL FROM OU-2	DRUM	15.00	550.00	8,250.00
LOADING	HOUR	2.25	65.00	146.25
FUEL SURCHARGE (26%)	EACH	1.00	426.84	426.84

Remit To: Waste Technology Services, Inc.
Dept No. 389
PO Box 8000
Buffalo, NY 14267

Subtotal	8,823.09
Total Sales Tax	0.00
Amount Due	8,823.09

Note: Past due invoices will be charge at 1.5 Percent per month. Kindly add to remittance.

WWW.WTSONLINE.COM

(1)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	N Y D 0 8 4 0 0 6 4 7 7	1	212-340-2050	003675396 JJK

GENERATOR

5. Generator's Name and Mailing Address
Metro North Railroad
c/o Environmental Dept. 24 Fisher La
N. White Plains NY 10603
Generator's Phone: 212 340-2050

Generator's Site Address (if different than mailing address)
Metro North-Croton on Hudson
1 Croton Point Avenue
Croton on Hudson NY 10520

6. Transporter 1 Company Name
Freehold Cartage, Inc.
U.S. EPA ID Number
N J D 0 5 4 1 2 6 1 8 4

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM Chemical Services, LLC
1550 Balmer Road, PO Box 200
Model City NY 14107
Facility's Phone: 716 754-8231 Rec 1-12-09 28-75550
U.S. EPA ID Number
N Y D 0 4 9 8 3 6 6 7 9

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ UN2315, Polychlorinated biphenyls, liquid, Solution 9, PGIII	15	DM	2,399	K	NONE		
							B	
	2.						Acl 1/13/10	
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1) ERG#171 oil from OU-2 (NY297075) See attached continuation sheet WTS# 35595 Environmental
8163916

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. WEIGHT ESTIMATE

Generator's/Offeror's Printed/Typed Name: X H. J. Tarkington — Signature: H J Tarkington — Month 12 Day 23 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: BRUCE Hull — Signature: Bruce Hull — Month 12 Day 23 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: JONATHAN SCHEARER — Signature: Jonathan Schearer — Month 01 Day 12 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 159042

114 Schoolground Rd.	350 Pigeon Point Road	175 Bartow Mun. Airport	5533 Dunham Road	108 Monahan Avenue	132 Myrtle Beach Hwy.
Branford, CT 06405	New Castle, DE 19720	Bartow, FL 33830	Maple Heights, OH 44137	Dunmore, PA 18512	Sumter, SC 29153
Phone: (203) 483-5964	Phone: (302) 658-2005	Phone: (863) 533-4599	Phone: (330) 835-3473	Phone: (570) 342-7232	Phone: (803) 773-2611
Fax: (203) 483-5984	Fax: (302) 658-4229	Fax: (863) 533-1613	Fax: (330) 835-3732	Fax: (570) 342-7367	Fax: (803) 773-2942

SHIPPER NAME/ADDRESS	PHONE (AREA CODE)		
METRO NORTH HARMON CROTON PT CROTON-ON-HUSON NY	TRACTOR 840	TRAILER 4627	APPOINTMENT TIME :
FCI REP. LOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED
			TIME AT SHIPPER (MILITARY TIME ONLY) ARRIVAL TIME 2:30 DEPARTURE TIME 13:45
COMMENTS OR DELAYS AT SHIPPER			EQUIPMENT USED

BROKER:

PO#: WO# 752567.010

MANIFEST / DOCUMENT NO. 003675396

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
	1										
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE	SHIPPER'S SIGNATURE	DATE LOADED
X M T Richardson	X [signature] I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.	01/12/09 MO. DAY YR.

CONSIGNEE NAME/ADDRESS	PHONE (AREA CODE)		
CWM CHEMICAL SERVICES 1550 BAILMER ROAD MODEL CITY NY	TRACTOR 823	TRAILER 4760	APPOINTMENT TIME 11:00
FCI REP. UNLOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED
KEN GUTHRIE	LIVE UNLOAD LTL		TIME AT CONSIGNEE (MILITARY TIME ONLY) ARRIVAL TIME 11:00 DEPARTURE TIME 12:45
COMMENTS OR DELAYS AT CONSIGNEE			EQUIPMENT USED

PLEASE PRINT NAME/TITLE	CONSIGNEE SIGNATURE	DATE UNLOADED
JONATHAN SCHAFER	X [signature]	01/12/10 MO. DAY YR.

AR H-0257	MD HWH-167 2001-OPV-2335	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	ME ME-HWT-47 ME-WOT-47	ND WH-429	OK UPW-0190713-OH	WI 11602
DE DE-HW-203 DE-SW-203	MI UPW-0190713-OH	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
IL UPW-0190713-OH	MN UPW-0190713-OH	NJ S-2265 15939	PA PA-AH-0067	
MA MA-294		NY NJ-113	QUEBEC, CANADA QC-6ML-047	
			RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 159042

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ENVIRONMENTAL

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) DID: 10756 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD084006477	1	CHIEF DISPATCHER 212-340-2050	009662591 JJK

GENERATOR

5. Generator's Name and Mailing Address
METRO NORTH RAILROAD
C/O ENVIRONMENTAL DEPT
525 NORTH BROADWAY
WHITE PLAINS, NY 10603
Generator's Phone: 914-461-0593 ATTN:GAIL STLKE

Generator's Site Address (if different than mailing address)
METRO NORTH - CROTON ON HUDSON
1 CROTON POINT AVENUE
CROTON ON HUDSON, NY 10520

6. Transporter 1 Company Name
FREEHOLD CARTAGE, INC.
U.S. EPA ID Number
NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, LLC
1550 BALMER ROAD
PO BOX 200
MODEL CITY, NY 14107
Facility's Phone: 716-286-8731
U.S. EPA ID Number
NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ UN2315, POLYCHLORINATED BIPHENYLS, LIQUID, 9, PG III	12	DM	2,400 ~~1,200~~ Kgs	K	NONE
X	2. RQ UN3432, POLYCHLORINATED BIPHENYLS, SOLID, MIXTURE 9, PG III	1	DM	91	K	NONE
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.) OIL FROM OU-2 (NY297075)ITEM 5 ERG#171 2.) DEBRIS FROM OU-2 (NY303068) ERG#171 WTS ORDER # 47922
24 HR. EMERG. PHONE - CHIEF DISPATCHER 1800-724-3604

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: KEN McHALE
Signature: Ken McHale
Month: 1 Day: 17 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ALFONSO TROCINSKI
Signature:
Month: 1 Day: 17 Year: 13
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

2013 **BILL OF LADING**
FCI EPA ID NO. NJD054126164

S 404444

350 Pigeon Point Road	175 Bartow Mun. Airport	5533 Dunham Road	108 Monahan Avenue	132 Myrtle Beach Hwy
New Castle, DE 19720	Bartow, FL 33830	Maple Heights, OH 44137	Dunmore, PA 18512	Sumter, SC 29153
Phone: (302) 658-2005	Phone: (863) 533-4599	Phone: (330) 835-3473	Phone: (570) 342-7232	Phone (803) 773-2611
Fax: (302) 658-6229	Fax: (863) 533-1613	Fax: (330) 835-3732	Fax. (570) 342-7367	Fax (803) 773-2942

SHIPPER NAME/ADDRESS: METRO NORTH RAILROAD
1 CROTON POINT
CROTON ON HUDSON NY

PHONE (AREA CODE):

TRACTOR: 618 | TRAILER: 420 | APPOINTMENT TIME: NONE

FCI REP. LOADING (PRINT): DERRICK ARCHIE | PROCEDURE: HARD HAT | EQUIP. SPOTTED: X | EQUIP. REMOVED: X

TIME AT SHIPPER: 1000 ARRIVAL TIME | (MILITARY TIME ONLY) 1330 DEPARTURE TIME

COMMENTS OR DELAYS AT SHIPPER:

EQUIPMENT USED:

BROKER:

PO#: | WO# 13732.01

MANIFEST / DOCUMENT NO.

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. DOT HAZARDOUS CLASS	NA/UN/NO	PACKING GROUP	NO. CONT.	CONT TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
	1	MANIFEST			13	DM					
	2	009662529									
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER:

SHIPPER'S CERTIFICATION. This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE: KEN MCHALE, ASST. DIR.

SHIPPER'S SIGNATURE: X _____ I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT

DATE LOADED: 9/17/13 (MO. DAY YR.)

CONSIGNEE NAME/ADDRESS: CWM - MC

PHONE (AREA CODE):

TRACTOR | TRAILER | APPOINTMENT TIME :

FCI REP. UNLOADING (PRINT) | PROCEDURE | EQUIP. SPOTTED | EQUIP. REMOVED | TIME AT CONSIGNEE : ARRIVAL TIME | (MILITARY TIME ONLY) : DEPARTURE TIME

COMMENTS OR DELAYS AT CONSIGNEE:

EQUIPMENT USED:

PLEASE PRINT NAME/TITLE:

CONSIGNEE SIGNATURE: X _____

DATE UNLOADED: / / (MO. DAY YR.)

AR H-0257	MD HWH-167	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	2001-OPV-2335	ND WH-429	OK UPW-0190713-OH	WI 11602
DE DE-HW-203	ME ME-HWT-47	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
DE-SW-203	ME-WOT-47	NJ S-2265	PA PA-AH-0067	
IL UPW-0190713-OH	MI UPW-0190713-OH	15939	QUEBEC, CANADA OC-6ML-047	
MA MA-294	MN UPW-0190713-OH	NY NJ-113	RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 404444

ATTACHMENT E

ENGINEERING CONTROL and INSTUTIONAL CONTROL

CERTIFICATION FORMS

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 360010

Site Name Harmon Railroad Yard - Waste Water Area

Site Address: Croton Point Road Zip Code: 10519
City/Town: Croton-On-Hudson
County: Westchester
Site Acreage: 5.0

Reporting Period: January 01, 2002 to January 01, 2013

	YES	NO
1. Is the information above correct?	■	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	■
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	■
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	■
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	■

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	■	☐
7. Are all ICs/ECs in place and functioning as designed?	■	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 360010 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
78.2-2-2	Midtown ~~Tracking~~ Ventures, LLC TRACKAGE	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan Soil Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
78.2-2-2	Cover System Fencing/Access Control Subsurface Barriers

Engineering Control Details for Site No. 360010

Engineering Control Details for Site No. 360010

Parcel: 78.2-2-2

A Site Management Plan (SMP) was approved in December 2011 to manage remaining contamination at the Site in perpetuity or until extinguishment of the Declaration of Covenants and Restrictions(DCR)in accordance with ECL Article 71, Title 36.

A DCR has being filed on a portion of the parcel that provides an enforceable legal instrument to ensure compliance with the SMP and all ECs and ICs placed on the Site. The DCR was recorded with Westchester County Clerk's Office in August 2012 (Control No.2012071900248001002F).

Because there is remaining contamination at this site, Engineering Controls (ECs) and Institutional Controls (ICs) have been implemented to protect public health and the environment for future use. The Controlled Property has the following Engineering Controls:

The engineering controls implemented for OU-1 include the following:

1)installation of permanent sheeting around the lagoon perimeter to a depth approximately three feet into the water table (i.e., to depths of up to about 15+ feet
below the ground surface);
2)installation of a final cover system consisting of two impermeable layers of 40mil high-density polyethylene (HDPE) covered with a geocomposite drainage net,
clean backfill and an asphalt cover
3)construction of a system of manholes and pipes to direct stormwater to a ripraplined drainage channel located immediately north ofthe asphalt cover; and
4)installation of four-air inlet and vapor extraction well clusters within the former lagoon footprint as a contingency measure.

The engineering controls implemented for OU-2 include the following:

1)A Vacuum Enhanced (VE) system that includes
vertical perforated subsurface piping (wells), connecting piping, blowers and air treatment systems. There were a total of 28 vapor extraction wells and 50 air inlet wells that were installed.

2. An access road to control access to the contaminated area;and

3. Monitoring wells for long-term monitoring of site groundwater.

A series of ICs are required to implement, maintain and monitor these ECs. The DCR requires compliance with these ICs, to ensure that:

• All ECs must be operated and maintained as specified in the SMP;and

• All ECs on the Site must be inspected and certified at a frequency and in a manner defined in the SMP; and

• Groundwater and other environmental or public health monitoring must be performed as defined in the SMP; and

• Data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP; and

• An exclusion against any uses other than for a closed lagoon and an above grade material storage facility/parking area;and

• On-site environmental monitoring devices, including but not limited to, groundwater monitoring wells must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

In addition, the DCR places the following restrictions on a portion of the property that includes the Site:

• The site may only be used for its current use as a closed lagoon and an above grade material storage facility/parking area.
• The property may not be used for a higher level of use without additional remediation and amendment of the DCR, as approved by the NYSDEC.
• All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP.

Engineering Control Details for Site No. 360010

• The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use.
• Vegetable gardens and farming on the property are prohibited.
• The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the controlled property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP.

NYSDEC retains the right to access such controlled property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

These EC/ICs are designed to:
• Prevent ingestion/direct contact with contaminated soil
• Prevent exposure to contaminants volatilizing from contaminated soil
• Prevent exposure to onsite groundwater
• Prevent the migration of LNAPL from the small impacted area of the closed lagoon and the release of LNAPL contaminants into groundwater.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
■	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
■	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 360010

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joanne Reilly (print name) at 525 N. Broadway, White Plains, NY (print business address).

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form

Joanne Reilly, ASST. DIRECTOR — 1/25/13

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

ENVIRON. COMPLIANCE, METRO-NORTH RAILROAD

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Timothy K. Hampton (print name) at 1563 Lyell Avenue, Rochester, New York 14606 (print business address),

am certifying as a Professional Engineer for the Metro-North Commuter Railroad Company (Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

01/28/2013
Date

ATTACHMENT F

NAPL THICKNESS, GROUNDWATER, and NAPL REMOVAL LOGS

2012

METRO NORTH RAILROAD
HARMON YARD OU II
NAPL AREA L1 LOGS

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI1-1	Metro-North Yard:	Harmon
Date Installed:	1900-01-01	Pad Weight (oz):	2.5
Installed Well Depth (ft):		Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	11.10	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	11.00	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	11.35	0.00	1	3.75	0	3.75	0	0	
10/16/2012	10.80	11.21	0.41	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

Return to Menu

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE1-4	Metro-North Yard:	Harmon
Date Installed:	1900-01-01	Pad Weight (oz):	2.5
Installed Well Depth (ft):		Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	8.56	0.00	4	11.25	0	11.25	0	0	
5/25/2012	0	8.30	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	8.70	0.00	4	11.25	0	11.25	0	0	
10/16/2012	8.40	8.45	0.05	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

Return to Menu

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE1-3	Metro-North Yard:	Harmon
Date Installed:	2001-07-05	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	7.87	0.00	4	11.25	0	11.25	0	0	
5/25/2012	0	6.65	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	7.00	0.00	4	11.25	0	11.25	0	0	
10/16/2012	0	8.85	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

Return to Menu

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE1-2	Metro-North Yard:	Harmon
Date Installed:	2001-07-05	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	7.74	7.78	0.04	4	11.25	0	11.25	0	0	
5/25/2012	0	7.55	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	8.00	0.00	4	11.25	0	11.25	0	0	
10/16/2012	7.20	7.50	0.30	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

Return to Menu

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE1-1	Metro-North Yard:	Harmon
Date Installed:	1900-01-01	Pad Weight (oz):	2.5
Installed Well Depth (ft):		Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	7.00	7.10	0.10	4	11.25	0	11.25	0	0	
5/25/2012	7.80	8.00	0.20	4	11.25	0	11.25	0	0	
8/14/2012	6.60	9.00	2.40	4	11.25	0	11.25	0	0	Instructed gang to re-sample, readings most likely incorrect.
8/24/2012	7.00	8.45	1.45	4	11.25	0	11.25	0	0	Re-sample, installed NRD
10/16/2012	10.2	10.6	0.40	4	11.25	4	9	0.57	0	

Total Gallons Removed: 0.57

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

Return to Menu

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI1-16	Metro-North Yard:	Harmon
Date Installed:	2001-06-28	Pad Weight (oz):	2.5
Installed Well Depth (ft):	18.5	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	13.96	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	13.55	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	14.00	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	13.90	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI1-15	Metro-North Yard:	Harmon
Date Installed:	2001-06-28	Pad Weight (oz):	2.5
Installed Well Depth (ft):	17	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	18.67	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	18.40	0.00	1	3.75	0	3.75	0	0	
8/14/2012	18.80	19.00	0.20	1	3.75	0	3.75	0	0	
10/16/2012	0	18.70	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI1-12	Metro-North Yard:	Harmon
Date Installed:	2001-06-28	Pad Weight (oz):	2.5
Installed Well Depth (ft):	18	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	17.17	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	17.00	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	17.60	0.00	1	3.75	0	3.75	0	0	
10/16/2012	17.35	17.37	0.02	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI1-11	Metro-North Yard:	Harmon
Date Installed:	2001-06-28	Pad Weight (oz):	2.5
Installed Well Depth (ft):	19	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	17.40	17.50	0.10	1	3.75	0	3.75	0	0	
5/25/2012	0	16.60	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	17.50	0.00	1	3.75	0	3.75	0	0	
10/16/2012	17.21	17.26	0.05	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI1-8	Metro-North Yard:	Harmon
Date Installed:	2001-07-10	Pad Weight (oz):	2.5
Installed Well Depth (ft):	16	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	13.50	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	13.25	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	13.60	0.00	1	3.75	0	3.75	0	0	
10/16/2012	13.40	13.60	0.20	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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METRO NORTH RAILROAD
HARMON YARD OU II
NAPL AREA L2 LOGS

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE2-1	Metro-North Yard:	Harmon
Date Installed:	2001-07-06	Pad Weight (oz):	2.5
Installed Well Depth (ft):	23	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	10.76	0.00	4	11.25	0	11.25	0	0	
5/25/2012	0	10.75	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	11.20	0.00	4	11.25	0	11.25	0	0	
10/16/2012	0	11.40	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI2-3	Metro-North Yard:	Harmon
Date Installed:	2001-07-20	Pad Weight (oz):	2.5
Installed Well Depth (ft):	16	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
1/6/2012	14.95	15.78	0.83	1	3.75	1	2	0.13	0	NRD changed out.
1/10/2012	15.20	15.99	0.79	1	3.75	1	3	0.14	0	NRD changed out.
1/18/2012	15.20	16.70	1.50	1	3.75	1	3	0.14	0	NRD changed out.
1/24/2012	15.33	16.40	1.07	1	3.75	1	3	0.14	0	NRD changed out.
1/31/2012	15.22	15.99	0.77	1	3.75	1	3	0.14	0	NRD changed out.
2/7/2012	15.20	17.90	2.70	1	3.75	1	4	0.15	0	NRD changed out.
2/13/2012	15.40	16.85	1.45	1	3.75	1	8	0.19	0	NRD changed out.
2/17/2012	15.56	16.10	0.54	1	3.75	1	6	0.17	0	NRD changed out.
2/21/2012	15.50	16.50	1.00	1	3.75	1	5	0.16	0	NRD changed out.
2/28/2012	15.67	17.20	1.53	1	3.75	1	5	0.16	0	
3/6/2012	15.70	17.10	1.40	1	3.75	1	4	0.15	0	NRD changed out.
3/13/2012	15.63	17.12	1.49	1	3.75	1	8	0.19	6.10	NRD changed out.
3/20/2012	15.84	17.10	1.26	1	3.75	1	3	0.14	5.10	NRD changed out.
3/28/2012	15.78	16.90	1.12	1	3.75	1	2	0.13	0	NRD changed out.
4/3/2012	15.92	17.44	1.52	1	3.75	1	2	0.13	0	NRD Changed out.
4/10/2012	15.88	16.90	1.02	1	3.75	1	3	0.14	0	NRD changed out.
4/24/2012	16.10	17.11	1.01	1	3.75	1	3	0.14	0	NRD changed out.
5/2/2012	15.99	17.30	1.31	1	3.75	1	3	0.14	0	NRD changed out.
5/8/2012	16.00	17.50	1.50	1	3.75	1	2	0.13	0	NRD changed out.
5/15/2012	15.40	16.10	0.70	1	3.75	1	0	0.11	0	NRD changed out.
5/25/2012	15.60	16.00	0.40	1	3.75	0	3.75	0	0	
5/30/2012	15.30	15.80	0.50	1	3.75	1	6	0.17	0	NRD changed out.
6/5/2012	15.27	16.50	1.23	1	3.75	1	2	0.13	0	NRD changed out.
6/13/2012	15.30	16.25	0.95	1	3.75	1	6	0.17	0	NRD changed out.
6/19/2012	15.45	16.25	0.80	1	3.75	1	5	0.16	0	NRD changed out.
6/26/2012	15.45	16.45	1.00	1	3.75	1	0	0.11	0	NRD changed out.
7/3/2012	15.54	16.56	1.02	1	3.75	1	2	0.13	0	NRD Changed out.
7/10/2012	15.70	16.60	0.90	1	3.75	1	3	0.14	0	NRD Changed Out.
7/17/2012	15.70	17.30	1.60	1	3.75	1	0	0.11	0	NRD Changed Out.
7/24/2012	15.77	17.11	1.34	1	3.75	1	2	0.13	0	NRD changed out.
7/30/2012	15.71	17.32	1.61	1	3.75	1	2	0.13	0	NRD changed out.
8/7/2012	15.80	16.90	1.10	1	3.75	1	2	0.13	0	NRD changed out.

8/14/2012	15.70	17.30	1.60	1	3.75	0	3.75	0	0	
8/21/2012	15.85	17.50	1.65	1	3.75	1	2	0.13	0	NRD changed out.
8/28/2012	15.99	17.20	1.21	1	3.75	2	2	0.28	0	NRD changed out.
9/5/2012	16.89	17.60	0.71	1	3.75	1	2	0.13	0	NRD changed out.
9/11/2012	15.90	17.55	1.65	1	3.75	1	2	0.13	0	NRD changed out.
9/18/2012	15.85	17.55	1.70	1	3.75	1	2	0.13	0	NRD changed out.
9/25/2012	15.78	17.20	1.42	1	3.75	0	3.75	0	0	Attempted to install passive bailer, water level not high enough.
10/2/2012	16.00	17.40	1.40	1	3.75	0	3.75	0	0	Water too shallow for passive bailer, will check again next week. If no improvement will re-install NRD.
10/9/2012	15.63	16.53	0.90	1	3.75	0	3.75	0	0	Passive bailer removed, NRD installed.
10/16/2012	15.80	17.05	1.25	1	3.75	0	3.75	0	0	New NRD installed.
10/16/2012	15.80	17.05	1.25	1	3.75	1	2	0.13	0	NRD changed out.
10/24/2012	15.60	16.50	0.90	1	3.75	1	2	0.13	0	NRD changed out.
10/30/2012	15.60	16.30	0.70	1	3.75	0	3.75	0	0	
11/6/2012	15.60	16.35	0.75	1	3.75	0	3.75	0	0	
11/15/2012	15.65	16.80	1.15	1	3.75	0	3.75	0	2.75	
11/20/2012	15.80	17.30	1.50	1	3.75	0	3.75	0	.75	
11/27/2012	15.80	17.30	1.50	1	3.75	0	3.75	0	.75	
12/5/2012	15.95	17.80	1.85	1	3.75	0	3.75	0	0	NRD installed.
12/11/2012	15.90	17.70	1.80	1	3.75	2	0	0.26	0	NRD Changed Out.
12/18/2012	15.95	17.65	1.70	1	3.75	2	0	0.26	0	NRD changed out.
12/27/2012	15.90	17.70	1.80	1	3.75	0	3.75	0	0	
1/3/2013	15.75	16.45	0.70	1	3.75	1	0	0.11	0	NRD changed out.
1/8/2013	15.65	17.20	1.55	1	3.75	2	0	0.26	0	NRD changed out.

Total Gallons Removed: 21.83

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI2-2	Metro-North Yard:	Harmon
Date Installed:	2001-06-29	Pad Weight (oz):	2.5
Installed Well Depth (ft):	17	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	14.55	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	15.54	0.00	1	3.75	0	3.75	0	0	
8/14/2012	14.20	15.20	1.00	1	3.75	0	3.75	0	0	Instructed gang to re-sample, verify readings.
8/24/2012	0	14.97	0.00	1	3.75	0	3.75	0	0	Re-sample, no oil detected.
10/16/2012	0	14.05	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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METRO NORTH RAILROAD
HARMON YARD OU II
NAPL AREA L3 LOGS

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE3-1	Metro-North Yard:	Harmon
Date Installed:	2001-07-25	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	10.90	10.91	0.01	4	11.25	0	11.25	0	0	
5/25/2012	0	10.35	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	11.35	0.00	4	11.25	0	11.25	0	0	
10/16/2012	0	10.90	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI3-6	Metro-North Yard:	Harmon
Date Installed:	2001-07-24	Pad Weight (oz):	2.5
Installed Well Depth (ft):	17	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	15.29	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	15.30	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	16.60	0.00	1	3.75	0	3.75	0	0	
10/16/2012	16.37	16.42	0.05	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	AI3-4	Metro-North Yard:	Harmon
Date Installed:	2001-07-23	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	10.30	0.00	1	3.75	0	3.75	0	0	Well was dry.
5/25/2012	0	10.10	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	13.80	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	13.45	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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METRO NORTH RAILROAD
HARMON YARD OU II
NAPL AREA L4 LOGS

Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-13	Metro-North Yard:	Harmon
Date Installed:	1900-01-01	Pad Weight (oz):	2.5
Installed Well Depth (ft):		Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	10.36	0.00	1	3.75	0	3.75	0	0	
5/24/2012	0	10.00	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	8.20	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	8.20	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-12	Metro-North Yard:	Harmon
Date Installed:	2001-07-12	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	11.35	11.36	0.01	1	3.75	0	3.75	0	0	
5/24/2012	0	10.50	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	10.50	0.00	1	3.75	0	3.75	0	0	
8/28/2012	0	10.25	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	10.10	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-11	Metro-North Yard:	Harmon
Date Installed:	1900-01-01	Pad Weight (oz):	2.5
Installed Well Depth (ft):		Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	10.93	0.00	1	3.75	0	3.75	0	0	
5/24/2012	8.90	9.00	0.10	1	3.75	0	3.75	0	0	
8/14/2012	8.30	8.90	0.60	1	3.75	0	3.75	0	0	
10/16/2012	0	9.20	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-10	Metro-North Yard:	Harmon
Date Installed:	2001-07-13	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
1/6/2012	0	10.10	0.00	1	3.75	0	3.75	0	0	
1/10/2012	0	10.29	0.00	1	3.75	0	3.75	0	0	
1/18/2012	0	10.50	0.00	1	3.75	0	3.75	0	0	
1/24/2012	0	10.57	0.00	1	3.75	0	3.75	0	0	
1/31/2012	0	10.11	0.00	1	3.75	0	3.75	0	0	
2/7/2012	0	10.46	0.00	1	3.75	0	3.75	0	0	
2/13/2012	0	10.75	0.00	1	3.75	0	3.75	0	0	
2/21/2012	0	10.92	0.00	1	3.75	0	3.75	0	0	
2/28/2012	0	10.84	0.00	1	3.75	0	3.75	0	0	
3/6/2012	0	10.84	0.00	1	3.75	0	3.75	0	0	
3/13/2012	0	10.87	0.00	1	3.75	0	3.75	0	0	
3/20/2012	0	11.17	0.00	1	3.75	0	3.75	0	0	
3/28/2012	11.20	11.21	0.01	1	3.75	0	3.75	0	0	
4/3/2012	11.34	11.45	0.11	1	3.75	0	3.75	0	0	
4/10/2012	11.85	11.87	0.02	1	3.75	1	2	0.13	0	NRD changed out.
4/19/2012	11.74	11.90	0.16	1	3.75	0	3.75	0	0	
4/24/2012	0	11.75	0.00	1	3.75	0	3.75	0	0	
5/2/2012	0	11.75	0.00	1	3.75	0	3.75	0	0	
5/8/2012	11.75	11.89	0.14	1	3.75	0	3.75	0	0	
5/15/2012	0	11.10	0.00	1	3.75	0	3.75	0	0	
5/22/2012	0	11.00	0.00	1	3.75	0	3.75	0	0	
5/25/2012	0	10.60	0.00	1	3.75	0	3.75	0	0	
6/19/2012	0	10.85	0.00	1	3.75	0	3.75	0	0	
6/26/2012	0	11.00	0.00	1	3.75	0	3.75	0	0	
7/3/2012	0	11.00	0.00	1	3.75	0	3.75	0	0	
7/10/2012	0	11.20	0.00	1	3.75	0	3.75	0	0	
7/17/2012	0	11.30	0.00	1	3.75	0	3.75	0	0	
7/24/2012	0	11.30	0.00	1	3.75	0	3.75	0	0	
7/30/2012	0	11.30	0.00	1	3.75	0	3.75	0	0	
8/7/2012	0	10.72	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	11.00	0.00	1	3.75	0	3.75	0	0	
8/21/2012	0	11.10	0.00	1	3.75	0	3.75	0	0	

8/28/2012	0	10.91	0.00	1	3.75	0	3.75	0	0	
9/5/2012	0	11.22	0.00	1	3.75	0	3.75	0	0	
9/11/2012	0	11.50	0.00	1	3.75	0	3.75	0	0	
9/18/2012	0	11.20	0.00	1	3.75	0	3.75	0	0	
9/25/2012	0	10.85	0.00	1	3.75	0	3.75	0	0	
10/2/2012	0	10.92	0.00	1	3.75	0	3.75	0	0	
10/9/2012	0	10.55	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	10.45	0.00	1	3.75	0	3.75	0	0	
10/24/2012	0	10.70	0.00	1	3.75	0	3.75	0	0	
10/30/2012	0	10.65	0.00	1	3.75	0	3.75	0	0	
11/6/2012	0	10.80	0.00	1	3.75	0	3.75	0	0	
11/15/2012	0	11.10	0.00	1	3.75	0	3.75	0	0	
11/20/2012	0	11.25	0.00	1	3.75	0	3.75	0	0	
11/27/2012	0	11.50	0.00	1	3.75	0	3.75	0	0	
12/5/2012	0	11.50	0.00	1	3.75	0	3.75	0	0	
12/11/2012	0	11.50	0.00	1	3.75	0	3.75	0	0	
12/18/2012	0	11.40	0.00	1	3.75	0	3.75	0	0	
12/27/2012	0	11.00	0.00	1	3.75	0	3.75	0	0	
1/3/2013	0	10.05	0.00	1	3.75	0	3.75	0	0	
1/8/2013	0	10.65	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0.13

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-9	Metro-North Yard:	Harmon
Date Installed:	1900-01-01	Pad Weight (oz):	2.5
Installed Well Depth (ft):		Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	5.90	0.00	1	3.75	0	3.75	0	0	
5/24/2012	0	5.80	0.00	1	3.75	0	3.75	0	0	
8/14/2012	7.60	8.50	0.90	1	3.75	0	3.75	0	0	
8/28/2012	7.80	7.86	0.06	1	3.75	0	3.75	0	0	
10/16/2012	7.51	7.82	0.31	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-8	Metro-North Yard:	Harmon
Date Installed:	2001-07-09	Pad Weight (oz):	2.5
Installed Well Depth (ft):	17.5	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
1/6/2012	12.96	13.92	0.96	1	3.75	0	3.75	0	0	
1/10/2012	13.10	13.72	0.62	1	3.75	0	3.75	0	0	
1/18/2012	12.92	13.95	1.03	1	3.75	1	1	0.12	0	NRD changed out.
1/24/2012	13.30	13.70	0.40	1	3.75	1	6	0.17	0	NRD changed out.
1/31/2012	13.00	13.90	0.90	1	3.75	1	8	0.19	0	NRD changed out.
2/7/2012	13.12	14.50	1.38	1	3.75	1	4	0.15	.7	NRD changed out.
2/13/2012	13.30	13.95	0.65	1	3.75	1	2	0.13	0	NRD changed out.
2/21/2012	13.10	13.90	0.80	1	3.75	1	2	0.13	0	Attempted bailing, bailer stuck in well.
3/14/2012	13.12	14.70	1.58	1	3.75	1	0	0.11	.5	Stuck bailer removed, new NRD installed.
3/20/2012	13.70	15.45	1.75	1	3.75	1	0	0.11	.5	
3/28/2012	13.66	15.10	1.44	1	3.75	1	2	0.13	.5	NRD changed out.
4/3/2012	13.92	14.98	1.06	1	3.75	1	3	0.14	0	NRD changed out
4/10/2012	13.95	14.50	0.55	1	3.75	1	2	0.13	0	NRD changed out.
4/19/2012	13.80	14.70	0.90	1	3.75	1	1	0.12	0	NRD changed out.
4/24/2012	13.87	14.49	0.62	1	3.75	1	2	0.13	0	NRD changed out.
5/2/2012	13.89	14.52	0.63	1	3.75	1	2	0.13	0	NRD changed out.
5/8/2012	13.90	14.85	0.95	1	3.75	1	3	0.14	0	NRD changed out.
5/15/2012	13.30	14.70	1.40	1	3.75	0	3.75	0	0	
5/22/2012	13.75	14.05	0.30	1	3.75	1	1	0.12	0	NRD Changed out.
5/24/2012	0	14.85	0.00	1	3.75	0	3.75	0	0	
6/19/2012	13.95	14.12	0.17	1	3.75	1	5	0.16	0	NRD changed out.
6/26/2012	14.10	15.20	1.10	1	3.75	1	0	0.11	0	
7/3/2012	14.10	14.95	0.85	1	3.75	1	4	0.15	0	NRD Changed Out.
7/10/2012	14.00	14.80	0.80	1	3.75	1	2	0.13	0	NRD changed out.
7/17/2012	14.92	14.95	0.03	1	3.75	0	3.75	0	0	
7/24/2012	14.00	14.61	0.61	1	3.75	1	2	0.13	0	NRD changed out
7/30/2012	14.91	14.94	0.03	1	3.75	0	3.75	0	0	
8/7/2012	14.10	14.72	0.62	1	3.75	1	2	0.13	0	NRD changed out.
8/7/2012	14.10	14.72	0.62	1	3.75	1	2	0.13	0	NRD changed out.
8/14/2012	14.30	15.40	1.10	1	3.75	1	3	0.14	0	NRD changed out.

8/21/2012	14.40	15.80	1.40	1	3.75	1	0	0.11	0	NRD changed out.
8/28/2012	14.11	14.80	0.69	1	3.75	1	0	0.11	0	NRD changed out.
9/5/2012	14.12	14.13	0.01	1	3.75	1	2	0.13	0	NRD changed out.
9/11/2012	14.45	15.45	1.00	1	3.75	1	10	0.2	0	NRD changed out.
9/18/2012	14.00	15.20	1.20	1	3.75	1	2	0.13	0	NRD changed out.
9/25/2012	14.10	14.85	0.75	1	3.75	1	12	0.22	0	NRD changed out.
10/2/2012	14.20	14.89	0.69	1	3.75	1	2	0.13	0	NRD changed out.
10/9/2012	13.70	14.95	1.25	1	3.75	1	1	0.12	0	NRD changed out.
10/16/2012	14.00	14.70	0.70	1	3.75	1	8	0.19	0	
10/24/2012	13.80	15.30	1.50	1	3.75	1	0	0.11	0	NRD changed out.
10/30/2012	13.75	14.95	1.20	1	3.75	1	3	0.14	0	
11/6/2012	14.85	15.85	1.00	1	3.75	0	3.75	0	0	
11/15/2012	14.20	15.70	1.50	1	3.75	2	0	0.26	0	NRD changed out.
11/20/2012	14.35	15.85	1.50	1	3.75	1	4	0.15	0	NRD changed out
11/27/2012	14.20	15.90	1.70	1	3.75	1	4	0.15	0	NRD changed out.
12/5/2012	14.35	15.65	1.30	1	3.75	1	4	0.15	0	
12/11/2012	14.30	15.40	1.10	1	3.75	1	0	0.11	0	NRD changed out.
12/18/2012	14.40	15.25	0.85	1	3.75	2	0	0.26	0	
12/27/2012	14.20	15.40	1.20	1	3.75	0	3.75	0	0	
1/3/2013	14.15	15.25	1.10	1	3.75	1	0	0.11	0	NRD changed out.
1/8/2013	14.15	15.30	1.15	1	3.75	1	0	0.11	0	NRD changed out.

Total Gallons Removed: 8.32

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	DAY-1	Metro-North Yard:	Harmon
Date Installed:	2003-07-10	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	15.50	15.55	0.05	6	16.25	0	16.25	0	0	
5/24/2012	0	15.50	0.00	6	16.25	0	16.25	0	0	
8/14/2012	0	16.60	0.00	6	16.25	0	16.25	0	0	
10/16/2012	0	15.60	0.00	6	16.25	0	16.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-12	Metro-North Yard:	Harmon
Date Installed:	2001-07-10	Pad Weight (oz):	2.5
Installed Well Depth (ft):	21	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	10.17	0.00	4	11.25	0	11.25	0	0	
5/24/2012	0	11.42	0.00	4	11.25	0	11.25	0	0	
8/14/2012	11.85	12.65	0.80	4	11.25	0	11.25	0	0	
10/16/2012	0	11.70	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-11	Metro-North Yard:	Harmon
Date Installed:	2001-07-11	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	7.61	9.40	1.79	4	11.25	0	11.25	0	0	
5/24/2012	0	10.40	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	11.30	0.00	4	11.25	0	11.25	0	0	
10/16/2012	0	11.10	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-10	Metro-North Yard:	Harmon
Date Installed:	2001-07-16	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	10.75	0.00	4	11.25	0	11.25	0	0	
5/24/2012	0	10.20	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	10.70	0.00	4	11.25	0	11.25	0	0	
10/16/2012	0	10.45	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-9	Metro-North Yard:	Harmon
Date Installed:	2001-07-16	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	7.05	7.34	0.29	4	11.25	0	11.25	0	0	
5/24/2012	0	6.10	0.00	4	11.25	0	11.25	0	0	
8/14/2012	6.50	6.70	0.20	4	11.25	0	11.25	0	0	
10/16/2012	7.30	7.80	0.50	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-8	Metro-North Yard:	Harmon
Date Installed:	2001-07-16	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	7.40	0.00	4	11.25	0	11.25	0	0	
5/24/2012	0	5.60	0.00	4	11.25	0	11.25	0	0	
8/14/2012	6.20	6.30	0.10	4	11.25	0	11.25	0	0	
10/16/2012	5.90	6.20	0.30	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-7	Metro-North Yard:	Harmon
Date Installed:	2001-07-17	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	6.50	6.55	0.05	4	11.25	0	11.25	0	0	
5/24/2012	5.70	6.00	0.30	4	11.25	0	11.25	0	0	
8/14/2012	6.10	6.40	0.30	4	11.25	0	11.25	0	0	
10/16/2012	5.90	6.60	0.70	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-6	Metro-North Yard:	Harmon
Date Installed:	2001-07-17	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	5.22	5.23	0.01	4	11.25	0	11.25	0	0	
5/24/2012	0	5.30	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	6.70	0.00	4	11.25	0	11.25	0	0	
10/16/2012	0	6.30	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-5	Metro-North Yard:	Harmon
Date Installed:	1900-01-01	Pad Weight (oz):	2.5
Installed Well Depth (ft):		Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
1/6/2012	8.15	9.00	0.85	4	11.25	4	4	0.52	0	NRD changed out.
1/10/2012	8.47	9.10	0.63	4	11.25	3	8	0.41	0	NRD changed out.
1/18/2012	8.45	9.50	1.05	4	11.25	4	8	0.56	0	NRD changed out.
1/24/2012	8.66	9.24	0.58	4	11.25	4	9	0.57	0	NRD changed out.
1/31/2012	8.35	9.15	0.80	4	11.25	4	6	0.54	0	NRD changed out.
2/7/2012	8.65	9.20	0.55	4	11.25	4	6	0.54	0	NRD changed out.
2/13/2012	8.75	9.45	0.70	4	11.25	4	8	0.56	0	NRD changed out.
2/17/2012	8.90	9.26	0.36	4	11.25	4	0	0.48	0	NRD changed out.
2/21/2012	8.82	9.47	0.65	4	11.25	5	6	0.69	0	NRD changed out.
2/28/2012	8.89	9.55	0.66	4	11.25	4	1	0.49	0	NRD changed out.
3/6/2012	9.10	9.66	0.56	4	11.25	4	3	0.51	0	NRD Changed out.
3/13/2012	8.83	9.56	0.73	4	11.25	4	6	0.54	0	NRD changed out.
3/20/2012	8.93	8.94	0.01	4	11.25	5	0	0.63	0	NRD Changed out.
3/28/2012	9.15	9.85	0.70	4	11.25	4	6	0.54	0	NRD changed out.
4/3/2012	9.10	9.81	0.71	4	11.25	4	5	0.53	0	NRD changed out.
4/10/2012	9.24	10.05	0.81	4	11.25	4	6	0.54	0	NRD changed out.
4/19/2012	9.22	10.15	0.93	4	11.25	4	2	0.5	0	NRD changed out.
4/24/2012	9.31	10.07	0.76	4	11.25	4	7	0.55	0	NRD Changed Out.
5/2/2012	9.35	10.10	0.75	4	11.25	4	6	0.54	0	NRD changed out
5/8/2012	9.36	10.19	0.83	4	11.25	4	9	0.57	0	NRD changed out.
5/15/2012	8.80	9.60	0.80	4	11.25	4	0	0.48	0	NRD changed out.
5/22/2012	8.75	10.20	1.45	4	11.25	0	11.25	0	0	
5/24/2012	8.72	10.25	1.53	4	11.25	0	11.25	0	0	
6/19/2012	9.05	9.46	0.41	4	11.25	4	0	0.48	0	NRD changed out.
6/26/2012	8.90	9.90	1.00	4	11.25	4	0	0.48	0	NRD changed out.
7/3/2012	9.05	9.64	0.59	4	11.25	4	7	0.55	0	NRD Changed out.
7/10/2012	9.15	9.80	0.65	4	11.25	4	5	0.53	0	NRD changed out.
7/17/2012	9.26	9.65	0.39	4	11.25	0	11.25	0	0	
7/24/2012	9.57	10.30	0.73	4	11.25	4	5	0	0	NRD changed out.
7/30/2012	9.26	9.53	0.27	4	11.25	0	11.25	0	0	
8/7/2012	9.20	10.15	0.95	4	11.25	5	0	0.63	0	NRD changed out.
8/14/2012	9.15	10.25	1.10	4	11.25	0	11.25	0	0	

8/21/2012	9.30	10.55	1.25	4	11.25	4	5	0.53	0	NRD changed out.
8/28/2012	9.29	10.20	0.91	4	11.25	4	8	0.56	0	NRD changed out.
9/5/2012	9.40	10.44	1.04	4	11.25	4	7	0.55	0	NRD changed out.
9/11/2012	9.45	10.50	1.05	4	11.25	4	6	0.54	0	NRD changed out.
9/18/2012	9.45	10.50	1.05	4	11.25	4	6	0.54	0	NRD changed out.
9/25/2012	9.35	9.86	0.51	4	11.25	0	11.25	0	1	Installed passive bailer in well 9/21, working correctly.
10/2/2012	9.60	10.21	0.61	4	11.25	0	11.25	0	1	Passive bailer.
10/9/2012	9.50	10.00	0.50	4	11.25	0	11.25	0	0	Pasive bailer height reset.
10/16/2012	9.10	9.65	0.55	4	11.25	0	11.25	0	.0625	Passive bailer in use.
10/24/2012	9.00	9.90	0.90	4	11.25	0	11.25	0	.125	Passive bailer in use.
10/30/2012	9.00	9.45	0.45	4	11.25	0	11.25	0	.75	Passive bailer in use.
11/6/2012	9.05	9.95	0.90	4	11.25	0	11.25	0	.5	Passive bailer in use.
11/15/2012	9.00	10.50	1.50	4	11.25	0	11.25	0	1.75	
11/20/2012	9.20	10.20	1.00	4	11.25	0	11.25	0	1.75	
11/27/2012	9.15	10.25	1.10	4	11.25	0	11.25	0	0	Passive bailer adjusted.
12/5/2012	9.45	10.25	0.80	4	11.25	5	2	0.65	0	NRD replaced.
12/11/2012	9.35	9.90	0.55	4	11.25	4	0	0.48	0	NRD changed out.
12/18/2012	9.40	10.10	0.70	4	11.25	5	0	0.63	0	NRD changed out.
12/27/2012	9.30	9.90	0.60	4	11.25	0	11.25	0	0	
1/3/2013	9.00	9.75	0.75	4	11.25	3	5	0.38	0	NRD changed out.
1/8/2013	9.20	9.50	0.30	4	11.25	0	11.25	0	0	

Total Gallons Removed: 25.7575

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	VE4-1	Metro-North Yard:	Harmon
Date Installed:	2001-07-18	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	4	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	5.89	0.00	4	11.25	0	11.25	0	0	
5/24/2012	0	5.00	0.00	4	11.25	0	11.25	0	0	
8/14/2012	0	5.00	0.00	4	11.25	0	11.25	0	0	
10/16/2012	0	5.00	0.00	4	11.25	0	11.25	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	RW-1(OUII)	Metro-North Yard:	Harmon
Date Installed:	2008-04-23	Pad Weight (oz):	2.5
Installed Well Depth (ft):	20	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	6	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
1/6/2012	13.70	13.76	0.06	6	16.25	0	16.25	0	0	
1/10/2012	13.90	13.95	0.05	6	16.25	0	16.25	0	0	
1/18/2012	13.95	14.00	0.05	6	16.25	0	16.25	0	0	
1/24/2012	14.11	14.13	0.02	6	16.25	0	16.25	0	0	
1/31/2012	13.88	13.90	0.02	6	16.25	0	16.25	0	0	
2/7/2012	14.10	14.12	0.02	6	16.25	0	16.25	0	0	
2/13/2012	14.15	15.12	0.97	6	16.25	0	16.25	0	0	
2/21/2012	14.06	16.24	2.18	6	16.25	0	16.25	0	0	
2/28/2012	14.20	16.21	2.01	6	16.25	0	16.25	0	0	
3/6/2012	14.36	14.37	0.01	6	16.25	0	16.25	0	0	
3/13/2012	14.40	14.60	0.20	6	16.25	0	16.25	0	0	
3/20/2012	14.52	14.56	0.04	6	16.25	0	16.25	0	0	
3/28/2012	14.35	16.20	1.85	6	16.25	0	16.25	0	0	
4/3/2012	14.36	16.88	2.52	6	16.25	0	16.25	0	0	
4/10/2012	14.50	17.35	2.85	6	16.25	0	16.25	0	0	Pump fixed.
4/19/2012	14.80	15.10	0.30	6	16.25	0	16.25	0	0	
4/24/2012	14.90	15.11	0.21	6	16.25	0	16.25	0	0	
5/2/2012	14.70	15.90	1.20	6	16.25	0	16.25	0	0	
5/8/2012	14.96	15.14	0.18	6	16.25	0	16.25	0	0	
5/15/2012	14.40	15.10	0.70	6	16.25	0	16.25	0	0	
5/22/2012	14.35	15.10	0.75	6	16.25	0	16.25	0	0	
5/25/2012	14.35	15.20	0.85	6	16.25	0	16.25	0	0	
6/19/2012	14.45	14.70	0.25	6	16.25	0	16.25	0	0	
6/26/2012	14.50	14.80	0.30	6	16.25	0	16.25	0	94	(2) Drums filled, sample taken, drums to be moved to Hazmat and replaced with new.
7/3/2012	14.41	15.18	0.77	6	16.25	0	16.25	0	0	
7/10/2012	14.49	16.70	2.21	6	16.25	0	16.25	0	0	
7/17/2012	14.80	14.90	0.10	6	16.25	0	16.25	0	0	
7/24/2012	14.81	14.90	0.09	6	16.25	0	16.25	0	0	
7/30/2012	14.81	14.92	0.11	6	16.25	0	16.25	0	0	
8/7/2012	14.65	15.15	0.50	6	16.25	0	16.25	0	0	

8/14/2012	14.80	15.10	0.30	6	16.25	0	16.25	0	0	
8/21/2012	14.90	15.20	0.30	6	16.25	0	16.25	0	0	
8/28/2012	14.64	15.99	1.35	6	16.25	0	16.25	0	0	
9/5/2012	14.70	17.00	2.30	6	16.25	0	16.25	0	0	
9/11/2012	14.75	17.30	2.55	6	16.25	0	16.25	0	0	
9/18/2012	15.00	15.50	0.50	6	16.25	0	16.25	0	0	
9/25/2012	14.73	16.40	1.67	6	16.25	0	16.25	0	0	
10/2/2012	14.82	16.90	2.08	6	16.25	0	16.25	0	94	Two barrels full, replaced with empty, not yet moved to Hazmat and sampled.
10/9/2012	14.50	15.75	1.25	6	16.25	0	16.25	0	0	
10/16/2012	0	16.10	0.00	6	16.25	0	16.25	0	0	
10/24/2012	14.40	16.00	1.60	6	16.25	0	16.25	0	0	
10/30/2012	14.45	15.65	1.20	6	16.25	0	16.25	0	0	
11/6/2012	14.50	16.00	1.50	6	16.25	0	16.25	0	0	
11/15/2012	14.65	15.10	0.45	6	16.25	0	16.25	0	0	
11/20/2012	14.80	15.15	0.35	6	16.25	0	16.25	0	0	
11/27/2012	14.80	15.20	0.40	6	16.25	0	16.25	0	0	
12/5/2012	14.90	16.00	1.10	6	16.25	0	16.25	0	0	
12/11/2012	14.90	15.40	0.50	6	16.25	0	16.25	0	0	
12/18/2012	14.90	15.25	0.35	6	16.25	0	16.25	0	0	
12/27/2012	14.90	15.40	0.50	6	16.25	0	16.25	0	0	
1/3/2013	14.65	14.85	0.20	6	16.25	0	16.25	0	0	
1/8/2013	14.50	15.50	1.00	6	16.25	0	16.25	0	188	4 drums moved to Hazmat area, replaced with empties.

Total Gallons Removed: 376

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	PGW-2	Metro-North Yard:	Harmon
Date Installed:	2001-07-19	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	5.36	0.00	1	3.75	0	3.75	0	0	
5/24/2012	0	15.00	0.00	1	3.75	0	3.75	0	0	
8/14/2012	6.90	8.00	1.10	1	3.75	1	5	0.16	0	NRD changed out.
10/16/2012	6.10	6.30	0.20	1	3.75	1	2	0.13	0	NRD changed out.

Total Gallons Removed: 0.29

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-23	Metro-North Yard:	Harmon
Date Installed:	2001-07-10	Pad Weight (oz):	2.5
Installed Well Depth (ft):	17	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	12.59	12.90	0.31	1	3.75	0	3.75	0	0	
5/24/2012	12.65	12.70	0.05	1	3.75	0	3.75	0	0	
8/14/2012	13.05	13.15	0.10	1	3.75	0	3.75	0	0	
10/16/2012	12.90	13.20	0.30	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-21	Metro-North Yard:	Harmon
Date Installed:	2001-07-10	Pad Weight (oz):	2.5
Installed Well Depth (ft):	17	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	13.50	0.00	1	3.75	0	3.75	0	0	
5/24/2012	0	13.00	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	13.00	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	13.90	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-20	Metro-North Yard:	Harmon
Date Installed:	2001-07-11	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	11.12	11.13	0.01	1	3.75	0	3.75	0	0	
5/24/2012	0	11.00	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	11.85	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	11.75	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-19	Metro-North Yard:	Harmon
Date Installed:	2001-07-09	Pad Weight (oz):	2.5
Installed Well Depth (ft):	18	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
5/24/2012	0	0	0.00	1	3.75	0	3.75	0	0	Filled with dirt.
8/14/2012	0	0	0.00	1	3.75	0	3.75	0	0	Well filled with dirt.
10/16/2012	0	0	0.00	1	3.75	0	3.75	0	0	Filled with dirt.

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-18	Metro-North Yard:	Harmon
Date Installed:	2001-07-11	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	9.08	9.74	0.66	1	3.75	0	3.75	0	0	
5/24/2012	0	9.70	0.00	1	3.75	0	3.75	0	0	
8/14/2012	9.70	10.50	0.80	1	3.75	0	3.75	0	0	
10/16/2012	9.80	10.40	0.60	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-17	Metro-North Yard:	Harmon
Date Installed:	2001-07-12	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	0	6.78	0.00	1	3.75	0	3.75	0	0	
5/24/2012	0	5.40	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	7.00	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	7.80	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-16	Metro-North Yard:	Harmon
Date Installed:	2001-07-12	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	10.45	10.46	0.01	1	3.75	0	3.75	0	0	
5/24/2012	0	10.65	0.00	1	3.75	0	3.75	0	0	
8/14/2012	0	11.30	0.00	1	3.75	0	3.75	0	0	
10/16/2012	10.94	11.75	0.81	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-15	Metro-North Yard:	Harmon
Date Installed:	2001-07-12	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
2/17/2012	6.55	6.70	0.15	1	3.75	0	3.75	0	0	
5/24/2012	0	6.80	0.00	1	3.75	0	3.75	0	0	
8/14/2012	7.20	7.65	0.45	1	3.75	0	3.75	0	0	
10/16/2012	7.14	7.34	0.20	1	3.75	0	3.75	0	0	

Total Gallons Removed: 0

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

NRD = NAPL Recovery Device

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Metro-North Railroad NAPL Recovery Report

Well Information

Well ID:	FA4-14	Metro-North Yard:	Harmon
Date Installed:	2001-07-12	Pad Weight (oz):	2.5
Installed Well Depth (ft):	15	Date Well Depth Measured:	Jan 1 1900 12:00AM
Well Diameter (in):	2	Hanger and Wire Weight (oz):	1.25
Well Depth to Date (ft):			

NAPL Collected

Date	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Number of Pads Used in NRD	Tare Weight of NRD (oz)	Final Weight of NRD (lbs)	Final Weight of NRD (oz)	NAPL Recovered via NRD (gal)	Additional NAPL Recovered (gal)	Comments
1/6/2012	0	9.00	0.00	1	3.75	0	3.75	0	0	
1/10/2012	0	9.16	0.00	1	3.75	0	3.75	0	0	
1/18/2012	0	9.30	0.00	1	3.75	0	3.75	0	0	
1/24/2012	0	9.34	0.00	1	3.75	0	3.75	0	0	
1/31/2012	0	9.88	0.00	1	3.75	0	3.75	0	0	
2/7/2012	9.42	9.43	0.01	1	3.75	0	3.75	0	0	
2/13/2012	9.60	9.62	0.02	1	3.75	0	3.75	0	0	
2/21/2012	9.83	9.84	0.01	1	3.75	0	3.75	0	0	
2/28/2012	9.82	9.92	0.10	1	3.75	0	3.75	0	0	
3/6/2012	9.82	10.10	0.28	1	3.75	0	3.75	0	0	
3/13/2012	10.56	10.57	0.01	1	3.75	1	0	0.11	0	NRD changed out.
3/20/2012	10.00	10.40	0.40	1	3.75	0	3.75	0	0	
3/28/2012	10.01	10.80	0.79	1	3.75	0	3.75	0	0	
4/3/2012	10.74	11.00	0.26	1	3.75	1	4	0.15	0	NRD changed out.
4/10/2012	10.85	11.37	0.52	1	3.75	1	4	0.15	0	NRD changed out.
4/19/2012	10.90	11.54	0.64	1	3.75	0	3.75	0	0	
4/24/2012	0	10.80	0.00	1	3.75	1	2	0.13	0	
5/2/2012	10.34	10.94	0.60	1	3.75	0	3.75	0	0	
5/8/2012	10.93	11.12	0.19	1	3.75	1	2	0.13	0	NRD changed out.
5/15/2012	0	10.00	0.00	1	3.75	0	3.75	0	0	
5/24/2012	9.80	10.20	0.40	1	3.75	1	2	0.13	0	NRD changed out.
6/13/2012	0	10.40	0.00	1	3.75	0	3.75	0	0	
6/19/2012	9.87	10.50	0.63	1	3.75	0	3.75	0	0	
6/26/2012	9.95	10.60	0.65	1	3.75	0	3.75	0	0	
7/3/2012	10.10	10.20	0.10	1	3.75	0	3.75	0	0	
7/10/2012	10.24	10.60	0.36	1	3.75	0	3.75	0	0	
7/17/2012	0	10.17	0.00	1	3.75	0	3.75	0	0	
7/24/2012	10.15	10.72	0.57	1	3.75	0	3.75	0	0	
7/30/2012	0	0	0.00	1	3.75	0	3.75	0	0	Reading invalid, instructed to re-sample.
8/7/2012	10.25	10.45	0.20	1	3.75	0	3.75	0	0	
8/14/2012	10.30	10.65	0.35	1	3.75	0	3.75	0	0	

8/21/2012	10.35	11.00	0.65	1	3.75	0	3.75	0	0	
8/28/2012	0	10.35	0.00	1	3.75	0	3.75	0	0	
9/5/2012	10.84	10.85	0.01	1	3.75	0	3.75	0	0	
9/11/2012	10.85	10.90	0.05	1	3.75	1	0	0.11	0	
9/18/2012	0	10.85	0.00	1	3.75	0	3.75	0	0	
9/25/2012	10.82	10.92	0.10	1	3.75	0	3.75	0	0	
10/2/2012	10.90	11.09	0.19	1	3.75	1	0	0.11	0	NRD changed out.
10/9/2012	0	10.45	0.00	1	3.75	0	3.75	0	0	
10/16/2012	0	10.10	0.00	1	3.75	0	3.75	0	0	
10/24/2012	0	10.40	0.00	1	3.75	1	0	0.11	0	
10/30/2012	10.40	10.45	0.05	1	3.75	0	3.75	0	0	
11/6/2012	10.50	10.70	0.20	1	3.75	0	3.75	0	0	
11/15/2012	10.50	10.65	0.15	1	3.75	0	3.75	0	0	NRD changed out.
11/20/2012	10.75	11.10	0.35	1	3.75	0	3.75	0	0	
11/27/2012	10.90	11.30	0.40	1	3.75	0	3.75	0	0	
12/5/2012	0	10.82	0.00	1	3.75	1	0	0.11	0	
12/11/2012	0	10.65	0.00	1	3.75	0	3.75	0	0	
12/18/2012	10.75	11.10	0.35	1	3.75	2	0	0.26	0	NRD changed out.
12/27/2012	0	10.50	0.00	1	3.75	0	3.75	0	0	
1/3/2013	0	10.40	0.00	1	3.75	0	3.75	0	0	
1/8/2013	0	10.45	0.00	1	3.75	0	3.75	0	0	

Total Gallons Removed: 1.5

NAPL = Non-Aqueous Phase Liquid

Assumed NAPL Specific Gravity = 0.85

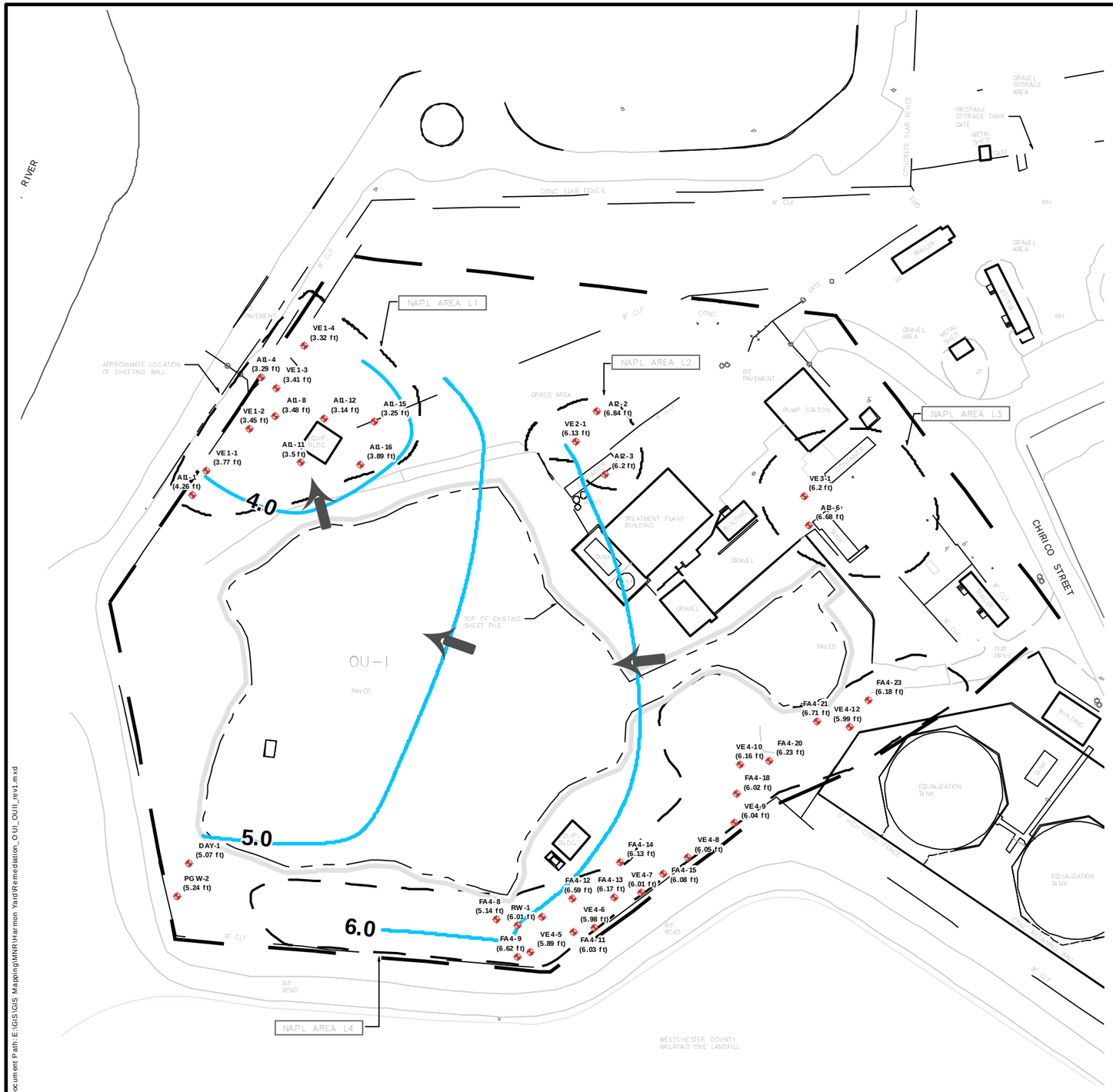
NRD = NAPL Recovery Device

Return to Menu

ATTACHMENT G

GROUNDWATER CONTOUR MAPS

QUARTER 2 and QUARTER 3, 2012



NOTES:

1. This drawing was prepared from a CAD base file provides by others, from a drawing by ERM, entitled "EXISTING SITE PLAN AND SURVEY CONTROL" sheet No. C-1 dated 7/31/00 and from a drawing by ERM, "SITE PLAN WITH LOCATIONS OF PROPOSED WELLS AND SHEET PILING", sheet No. C-2, dated 7/31/00.

2. Operable Unit II (OU-II) remedy well locations were determined from coordinate values listed on the ERM drawings identified in note No. 1.

N

LEGEND:

- VE3-1 (6.2 ft) — Former Vapor Extraxtion (VE), Air Inlet (AI), Forced Air Injection (FA), or existing monitoring well and designation
- Groundwater elevation for water level measurement made August 14, 2012
- 6.0 — Groundwater contour
- Apparent groundwater flow direction
- OU-II NAPL area boundaries
- Approximate location of sheet pile wall around remediated former lagoon area (OU-I)
- Extent of OU-I final cover system
- Extent of OU-I final cover system

0 40 80 160 Feet

PROJECT MANAGER	DATE
RLK	09-2012
DRAWN BY	DATE DRAWN
CPS	09-2012
SCALE	DATE ISSUED
As Noted	09-26-2012

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

Project Title
METRO-NORTH RAIL ROAD
HARMON YARD OPERABLE UNITS OU-I AND OU-II
CROTON-ON-HUDSON, NEW YORK

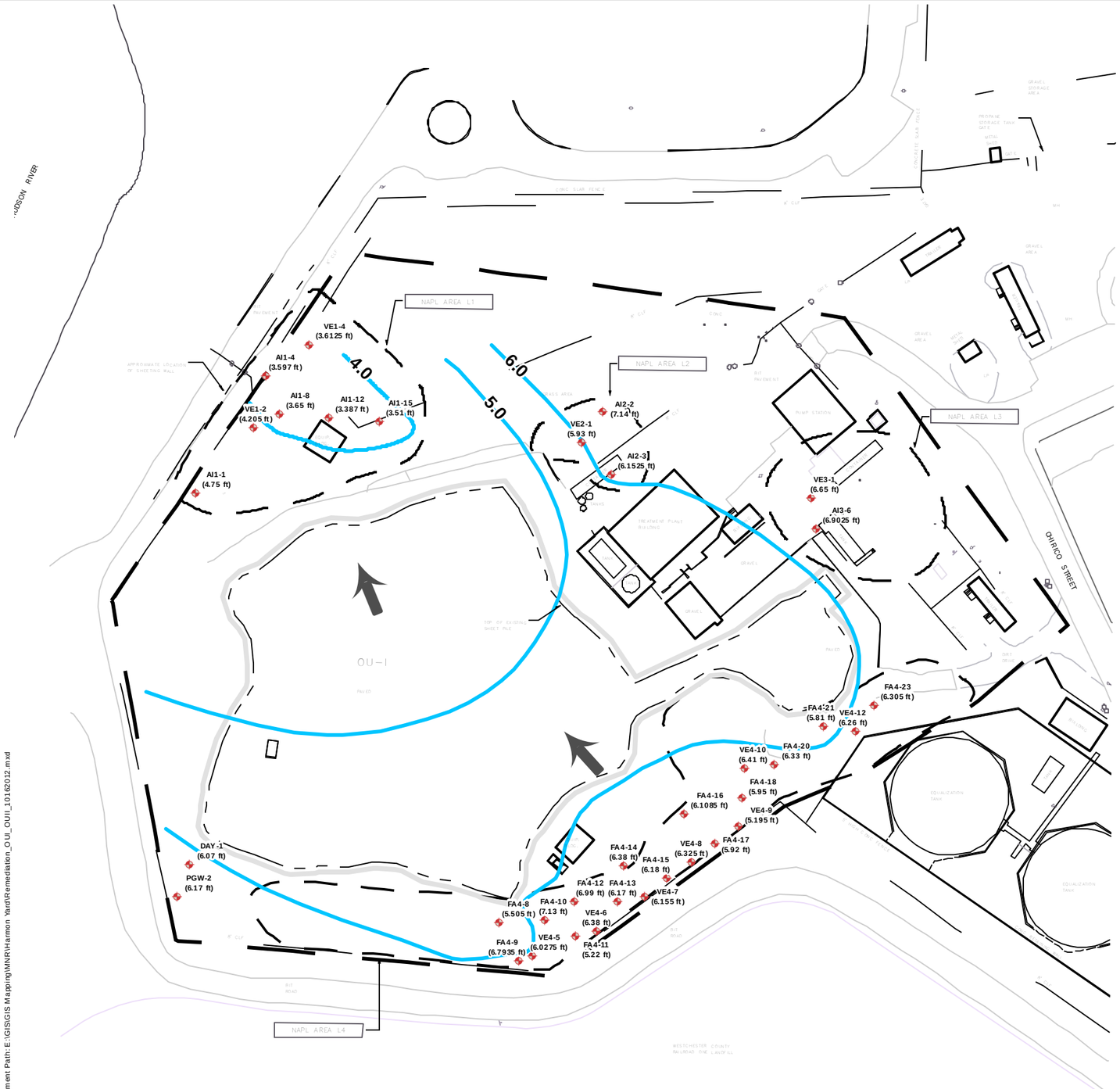
Drawing Title
SITE MANAGEMENT PLAN

Groundwater Conour Map: August 14, 2012

Project No.
10-3231M (46)

FIGURE 1

Last Date Saved: 26 Sep 2012 Document Path: E:\GIS\GIS Mapping\MNR\Harmon Yard\Remediation_OU\OUII_rev1.mxd



NOTES:

1. This drawing was prepared from a CAD base file provides by others, from a drawing by ERM, entitled "EXISTING SITE PLAN AND SURVEY CONTROL" sheet No. C-1 dated 7/31/00 and from a drawing by ERM, "SITE PLAN WITH LOCATIONS OF PROPOSED WELLS AND SHEET PILING", sheet No. C-2, dated 7/31/00.

2. Operable Unit II (OU-II) remedy well locations were determined from coordinate values listed on the ERM drawings identified in note No. 1.

N

LEGEND:

- VE3-1 (6.65 ft) — Former Vapor Extraxtion (VE), Air Inlet (AI), Forced Air Injection (FA), or existing monitoring well and designation
- Groundwater elevation for water level measurement made October 16, 2012
- 6.0 — Groundwater contour
- Apparent groundwater flow direction
- OU-II NAPL area boundaries
- Approximate location of sheet pile wall around remediated former lagoon area (OU-I)
- Extent of OU-I final cover system
- Extent of OU-I final cover system

0 40 80 160 Feet

PROJECT MANAGER	RLK
DATE	12-2012
DRAWN BY	CPS
DATE DRAWN	12-2012
SCALE	As Noted
DATE ISSUED	12-21-2012

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

Project Title
METRO-NORTH RAIL ROAD
HARMON YARD OPERABLE UNITS OU-I AND OU-II
CROTON-ON-HUDSON, NEW YORK

SITE MANAGEMENT PLAN

Drawing Title
Groundwater Conour Map: October 16, 2012

Project No.
10-3231M (46)

FIGURE 1

Last Date Saved: 31 Dec 2012 Document Path: E:\GIS\GIS Mapping\MNR\Harmon Yard\Remediation_OUI_OUII_10162012.mxd

ATTACHMENT H

ANALYTICAL LABORATORY REPORTS

and

CHAIN OF CUSTODY DOCUMENTATION

for

GROUNDWATER SAMPLES

PAGE FROM YORK LABORATORY REPORT
FOR
GROUNDWATER SAMPLES COLLECTED
NOVEMBER 5, 2002

Report Date: 11/14/2002
Client Project ID: Harmon Lagoon
York Project No.: 02110249

Metro North Commuter Railroad
Safety Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 11/11/02. The project was identifed as your project "Harmon Lagoon ".
SAMPLED 11/5/02

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			VE4-5		PGW-2	
York Sample ID			02110249-01		02110249-02	
Matrix			LIQUID		LIQUID	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			9.07	1.0	5.80	1.0
PCB 1260			3.05	1.0	5.25	1.0
PCB, Total			12.1	1.0	11.0	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

01/16/2003 16:13 2033570166 YAL PAGE 03

YORK LABORATORY REPORT
AND
CHAIN-OF-CUSTODY DOCUMENTATION
FOR
GROUNDWATER SAMPLES COLLECTED
APRIL 14-15, 2004

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Attn: Ken McHale

Report Date: 4/22/2004
Re: Client Project ID: Harmon Yard OU-2
York Project No.: 04040465

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 NJ License No. CT401

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 4/22/2004
Client Project ID: Harmon Yard OU-2
York Project No.: 04040465

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Attn: Ken McHale

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 04/16/04. The project was identified as your project "Harmon Yard OU-2 ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			VE1-1		VE1-3	
York Sample ID			04040465-01		04040465-02	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	Not detected	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0

Client Sample ID			VE1-4		VE1-6	
York Sample ID			04040465-03		04040465-04	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0

YORK

Client Sample ID			VE1-4		VE1-6	
York Sample ID			04040465-03		04040465-04	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	Not detected	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0

Client Sample ID			VE1-8		AI1-4	
York Sample ID			04040465-05		04040465-06	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	Not detected	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0

Client Sample ID			AI1-5		AI-16	
York Sample ID			04040465-07		04040465-08	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	Not detected	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0

Client Sample ID			AI2-3		VE3-1	
York Sample ID			04040465-09		04040465-10	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	Not detected	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0

YORK

Client Sample ID			VE3-2		VE3-3	
York Sample ID			04040465-11		04040465-12	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	Not detected	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	Not detected	1.0

Client Sample ID			AI3-4		AI3-5	
York Sample ID			04040465-13		04040465-14	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			Not detected	1.0	93.7	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			Not detected	1.0	93.7	1.0

Client Sample ID			AI3-6		VE4-1	
York Sample ID			04040465-15		04040465-16	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			40.2	1.0	26.3	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			40.2	1.0	26.3	1.0

Client Sample ID			VE4-5		VE4-6	
York Sample ID			04040465-17		04040465-18	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0

YORK

Client Sample ID			VE4-5		VE4-6	
York Sample ID			04040465-17		04040465-18	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			13.3	1.0	4.62	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			13.3	1.0	4.62	1.0

Client Sample ID			VE4-7		VE4-12	
York Sample ID			04040465-19		04040465-20	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			19.8	1.0	8.76	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			19.8	1.0	8.76	1.0

Client Sample ID			FA4-8		FA4-9	
York Sample ID			04040465-21		04040465-22	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			4.70	1.0	17.8	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			4.70	1.0	17.8	1.0

Client Sample ID			FA4-10		FA4-11	
York Sample ID			04040465-23		04040465-24	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			9.16	1.0	3.10	1.0

YORK

Client Sample ID			FA4-12		FA4-13	
York Sample ID			04040465-25		04040465-26	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			3.26	1.0	2.42	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			3.26	1.0	2.42	1.0

Client Sample ID			FA4-14		FA4-15	
York Sample ID			04040465-27		04040465-28	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			22.9	1.0	29.1	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			22.9	1.0	29.1	1.0

Client Sample ID			FA4-16		FA4-18	
York Sample ID			04040465-29		04040465-30	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			33.1	1.0	91.3	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			33.1	1.0	91.3	1.0

Client Sample ID			FA4-19		FA4-21	
York Sample ID			04040465-31		04040465-32	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016			Not detected	1.0	Not detected	1.0
PCB 1221			Not detected	1.0	Not detected	1.0
PCB 1232			Not detected	1.0	Not detected	1.0
PCB 1242			Not detected	1.0	Not detected	1.0

YORK

Client Sample ID			FA4-19		FA4-21	
York Sample ID			04040465-31		04040465-32	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1248			Not detected	1.0	Not detected	1.0
PCB 1254			97.0	1.0	16.5	1.0
PCB 1260			Not detected	1.0	Not detected	1.0
PCB, Total			97.0	1.0	16.5	1.0

Client Sample ID			OW-2		OW-4	
York Sample ID			04040465-33		04040465-34	
Matrix			OIL		OIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846/EPA	mg/kG	---	---	---	---
PCB 1016					Not detected	1.0
PCB 1221					Not detected	1.0
PCB 1232					Not detected	1.0
PCB 1242					Not detected	1.0
PCB 1248					Not detected	1.0
PCB 1254					9.26	1.0
PCB 1260					Not detected	1.0
PCB, Total					9.26	1.0
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	2.4		
PCB 1221			Not detected	2.4		
PCB 1232			Not detected	2.4		
PCB 1242			Not detected	2.4		
PCB 1248			Not detected	2.4		
PCB 1254			9.48	2.4		
PCB 1260			2.64	2.4		
PCB, Total			12.1	2.4		

Client Sample ID			PGW-2	
York Sample ID			04040465-35	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			5.32	1.0
PCB 1260			Not detected	1.0
PCB, Total			5.32	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 4/22/2004
Client Project ID: Harmon Yard OU-2
York Project No.: 04040465

Notes for York Project No. 04040465

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 4/22/2004
Robert Q. Bradley
Managing Director

YORK

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ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

04040468

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
MNR	Joanne Rielly MNR Tom Roszak DAY	MNR	Harmon Yard OU-2	Tom Roszak Tom Roszak

Sample No.	Location/ID			Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
VE 1-1	VE 3-2	FA 4-8	FA 4-19	4/14,15/04				OIL	PCBs	(35) 4oz. jars
VE 1-3	VE 3-3	FA 4-9	FA 4-21							
VE 1-4	AI 3-4	FA 4-10	OW-2							
VE 1-6	AI 3-5	FA 4-11	OW-4							
VE 1-8	AI 3-6	FA 4-12	PGW-2							
AI 1-4	VE 4-1	FA 4-13								
AI 1-5	VE 4-5	FA 4-14								
AI 1-6	VE 4-6	FA 4-15								
AI 2-3	VE 4-7	FA 4-16								
VE 3-1	VE 4-12	FA 4-18								

Chain-of-Custody Record

	Date/Time		Date/Time		Date/Time
Bottles Relinquished from Lab by		T Roszak	4/15/04 2:00	Carol D. Barton	
Bottles Received in Field by		Sample Relinquished by		Sample Received in LAB by	4/16/04 10:11 AM

Comments/Special Instructions HOLD ALL SAMPLES FOR POSSIBLE FUTURE COMPOSITED ANALYSES

Turn-Around Time
X Standard ___ RUSH(define)_____

YORK LABORATORY REPORT
AND
CHAIN-OF-CUSTODY DOCUMENTATION
FOR
GROUNDWATER SAMPLES COLLECTED
MAY 26, 2004

YORK
ANALYTICAL LABORATORIES, INC.

York Analytical Laboratories, Inc.

Final Technical Report

prepared for

Metro North Commuter Railroad and
Day Engineering, P.C.

York Project No. 04050709

9/28/2004

Volume 1 of 1

000001

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ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Report Date: 6/10/2004
Re: Client Project ID: Harmon Yard OU-2 Monitoring Wells
York Project No.: 04050709

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000004

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Case Narrative

York SDG No. 04050709

Introduction

Two water samples collected on May 26, 2004 were received at York Analytical on May 26, 2004. All samples were received intact in a custody-sealed cooler. Upon receipt, the temperature of the cooler was determined. The cooler temperature was 4.2 °C at time of receipt as measured by a NIST traceable digital infrared thermometer. Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

The client requested analysis of the samples for project specific Volatile organics by EPA SW846-8260, project specific Base/Neutral extractables by SW-846 8270C, and project specific metals and cyanide by EPA SW846-6010B and EPA 335.2, respectively. All preparation and analyses were conducted according to the SW846 or EPA methods as detailed in the following table.

Parameter	Preparative Method	Analysis Method
Volatiles, targets	5030	8260B
Base Neutrals, targets	3510A	8270C
Metals, targets	3010A	6010B
Mercury	7470A	7470A
Cyanide	EPA 335.2	EPA 335.2

VOLATILES - Preparation/Analysis

No problems were encountered during analysis of these samples.

All initial calibration, continuing calibration, laboratory control sample, internal standard area and surrogate recovery criteria were met. The matrix spike/matrix spike duplicate (MS/MSD)recoveries for the aqueous matrix met laboratory control limits.

All blanks met laboratory SOP criteria. All data, where applicable, are suffixed with appropriate flags (e.g. J, B, E).

Base Neutral Extractables - Preparation/Analysis

No problems were encountered during preparation of these samples. Sample PGW-1 required a 5x dilution due to non-target matrix (fuel oil). Sample PGW-2 required a 200x dilution to do matrix and target compounds. Suurogates for this latter sample were diluted out. Insufficient sample was provided for MS/MSD, hence batch QC is included.

Metals Analysis (excluding Mercury)

No problems were encountered during preparation of these samples. Iron was detected in the Preparation Blank 06/02B at 6.3 ug/L. Also, iron recovery in the spike of PGW-2 was low (55%). It is noted that the sample had soluble iron of 38,950 ug/L and visible colloidal iron which most likely resulted in this poor recovery.

Mercury

No problems were encountered during preparation or analysis of these samples.

Cyanide

No problems were encountered during preparation or analysis of these samples.

SDG 04050709 Statement

We certify that these data are in compliance with method SOP requirements both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report has been authorized by the Laboratory Manager as verified by the following signature.

Approved by: _____ Date: September 28, 2004

Robert Q. Bradley
Managing Director

YORK
ANALYTICAL LABORATORIES, INC.

Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurences during the analysis process. The most common flags used by York are defined below.

FLAG	DEFINITION
J	J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
B	B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
E	This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.

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CHAIN OF CUSTODY DOCUMENTATION

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STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

0405709 Page 1 of 1

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
DAY ENGINEERING	MNR + RAY (RAY KAMPFF)	MNR	HARMON YARD - OU-2 Monitoring wells	[signature] / CHRIS DAVIDSON

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	PGW-1	5-26-04	↓				8021 VOCs; 8270 BASE + NUEIRALS; * CLP 200.7 METALS; CYANIDE	2 VOAs, 250 ml, Septum; 1 Amber
	PGW-2	↓	↓				↓	↓

600000

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
		[signature]	5-26-04 1645		
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
				[signature]	5-26-04/1645

Comments/Special Instructions
* Please see Phil Murphy with special reporting parameters - as per Chris Davidson Category B Deliverables 4.2.C

Turn-Around Time
X Standard ___ RUSH(define)_____

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ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371
FAX (203) 357-0166

Laboratory Chain-of-Custody Record

for York Project No. 04050709
Date: 5/27/03

ALL SAMPLES RECEIVED IN PROPER CONDITION: YES ✓ NO ___ *
BY: JRY Date: 5/26/04

Lab Sample No.	Removed By	Date&Time	Reason (check and enter reason)		Date & Time Returned	
04050709-01&02	AA	6/1/04 8:30 AM	___Extraction for ___Prep. for ✓Analysis for	Hg	6/1/04 10:30 AM	___Consumed
04050709-01+02	MW	6/2/04 07:15	___Extraction for X Prep. for ___Analysis for	Metals	6/2/04 0800	___Consumed
04050709-01+02	MW	6/2/04 0930	___Extraction for ___Prep. for X Analysis for	Metals	6/2/04 10:30	___Consumed
04050709-01+02	A.Y.	06/03/04 10:20	___Extraction for ✓ Prep. for ✓ Analysis for	VOA	Used →	✓ Consumed
04050709-01,02	SW	06/04/04 3:00	___Extraction for ___Prep. for ✓ Analysis for	SNext		✓ Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed
			___Extraction for ___Prep. for ___Analysis for			___Consumed

Remarks

APPENDIX A

SDG NARRATIVE and LABORATORY RAW DATA

Report Date: 6/10/2004
Client Project ID: Harmon Yard OU-2 Monitoring Wells
York Project No.: 04050709

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/26/04. The project was identifed as your project "Harmon Yard OU-2 Monitoring Wells ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PGW-1		PGW-2	
York Sample ID			04050709-01		04050709-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8021 list water	SW846-8260	ug/L	---	---	---	---
1,2-Dichloroethane			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Xylene (Total)			Not detected	1	4	1
Base/Neutral Extractables water	SW846-8270	ug/L	---	---	---	---
1,2-Dichlorobenzene			Not detected	50	Not detected	2000
1,3-Dichlorobenzene			Not detected	50	Not detected	2000
1,4-Dichlorobenzene			Not detected	50	Not detected	2000
2-Methylnaphthalene			Not detected	50	1600 J	2000
Acenaphthylene			Not detected	50	Not detected	2000
Anthracene			Not detected	50	1000 J	2000
Bis(2-ethylhexyl)phthalate			Not detected	50	Not detected	2000
Fluoranthene			Not detected	50	420 J	2000
Fluorene			21 J	50	4000	2000

YORK

000005

Client Sample ID			PGW-1		PGW-2	
York Sample ID			04050709-01		04050709-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Naphthalene			Not detected	50	Not detected	2000
Phenanthrene			Not detected	50	9700	2000
Pyrene			Not detected	50	600 J	2000
Silver	SW846-6010	mg/L	Not detected	0.002	Not detected	0.002
Aluminum	SW846-6010	mg/L	6.14	0.010	0.145	0.010
Barium	SW846-6010	mg/L	0.263	0.010	0.209	0.010
Beryllium	SW846-6010	mg/L	Not detected	0.0005	Not detected	0.0005
Cobalt	SW846-6010	mg/L	0.009	0.005	Not detected	0.005
Chromium	SW846-6010	mg/L	0.034	0.005	0.008	0.005
Copper	SW846-6010	mg/L	0.106	0.005	Not detected	0.005
Iron	SW846-6010	mg/L	63.6	0.005	34.6	0.005
Manganese	SW846-6010	mg/L	1.03	0.005	4.30	0.005
Nickel	SW846-6010	mg/L	0.055	0.005	Not detected	0.005
Lead	SW846-6010	mg/L	0.300	0.005	0.006	0.005
Vanadium	SW846-6010	mg/L	0.025	0.005	0.008	0.005
Zinc	SW846-6010	mg/L	0.345	0.005	0.019	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
Arsenic	EPA-6010	mg/L	0.006	0.004	0.013	0.004
Cyanide, total	EPA 335.2	mg/L	Not detected	0.01	Not detected	0.01

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 04050709

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 6/10/2004

YORK

000006

Injection Log

Directory: c:\hpchem\1\data

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	evaldemo.d	1.	demoscan sample	10 ng per component	7 Sep 89 13:5
2	1	v14370.d	1.	MBLK	QBV1060404A	4 Jun 04 14:03
3	3	v14372.d	1.	10ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 14:49
4	5	v14374.d	1.	20ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 15:29
5	7	v14376.d	1.	50ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 16:10
6	9	v14378.d	1.	100ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 16:50
7	11	v14380.d	1.	200ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 17:30
8	17	v14386.d	1.	50ppb VOA CAL CHECK STD	QBV1060404A	4 Jun 04 19:32
9	21	v14390.d	1.	VOA METHOD BLANK STD	QBV1060404A	4 Jun 04 20:53
10	23	v14392.d	1.	VOA LCS STD	QBV1060404A	4 Jun 04 21:35
11	25	v14394.d	1.	VOA MS STD	QBV1060404A	4 Jun 04 22:15
12	27	v14396.d	1.	VOA MSD STD	QBV1060404A	4 Jun 04 22:56
13	35	v14404.d	1.	04050709-01 $8021W ASPB PGW-1	QBV1060404A	5 Jun 04 01:45

000014

16 Jul 04 15:17

Form 2A

Volatile System Monitoring Compound Recovery

Lab Name: York Analytical Labs

Lab Code: **Case No.:** **SDG No.:** 04050709

VOA 1 (A)

Client Sample ID	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER	TOT OUT
METHOD BLK STD	100	106	101		0
VOA LCS STD	105	95	98		0
VOA MS STD	96	101	100		0
VOA MSD STD	95	100	106		0
PGW-1	104	94	98		0

Laboratory QC Limits

SMC1 (DCE) = 1,2-Dichloroethane-d4	70-138
SMC2 (TOL) = Toluene-d8	84-138
SMC3 (BFB) = Bromofluorobenzene	65-120

Column to be used to flag recovery values
* Values outside of Laboratory QC limits

Form 3A

Volatile Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: York Analytical Labs

Lab Code: **Case No:** **SDG No.:** 04050709

Matrix Spike - EPA Sample No.: BATCH QC (QBV1060404A)

VOA 1 (A)

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	MS Conc. (ug/L)	MS Rec. % #	QC Limits Recovery, %
1,1-Dichloroethene	50	0	59	118	59-172
Trichloroethene	50	0	56	112	62-137
Benzene	50	0	56	112	66-142
Toluene	50	0	57	114	59-139
Chlorobenzene	50	0	55	110	60-133

Compound	Spike Added (ug/L)	MSD Conc. (ug/L)	MS Rec. % #	RPD % #	QC Limits RPD	QC Limits REC
1,1-Dichloroethene	50	55	110	7.0	22	59-172
Trichloroethene	50	54	108	3.6	24	62-137
Benzene	50	54	108	3.6	21	66-142
Toluene	50	56	112	1.8	21	59-139
Chlorobenzene	50	54	108	1.8	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside of limits

Comments: _____

_____

000016

Form 3A

Volatile Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: York Analytical Labs

Lab Code: **Case No:** **SDG No.:** 04050709

Matrix Spike - EPA Sample No.: PGW-1

VOA 1 (A)

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	MS Conc. (ug/L)	MS Rec. % #	QC Limits Recovery, %
1,1-Dichloroethene	50	0	60	120	59-172
Trichloroethene	50	0	57	114	62-137
Benzene	50	0	58	116	66-142
Toluene	50	0	58	116	59-139
Chlorobenzene	50	0	56	112	60-133

Compound	Spike Added (ug/L)	MSD Conc. (ug/L)	MS Rec. % #	RPD % #	QC Limits RPD	QC Limits REC
1,1-Dichloroethene	50	65	130	8.0	22	59-172
Trichloroethene	50	58	116	1.7	24	62-137
Benzene	50	62	124	6.7	21	66-142
Toluene	50	60	120	3.4	21	59-139
Chlorobenzene	50	58	116	3.5	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside of limits

Comments: _____

000017

4A

Volatile Method Blank Summary

Lab Name: York Analytical Labs
Lab Code: **Case No.:** **SAS No:** **SDG No.:** 04050709
Lab File ID: V14390.D **Lab Sample ID:** VOA METHOD BLANK STD
Date Analyzed: 06/04/04 **Time Analyzed:** 20:53
GC Column: **ID:(mm)** **Heated Purge:(Y/N)**
Instrument ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:
VOA 1 (A)

	Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
1		VOA LCS STD	V14392D.	21:35
2		VOA MS STD	V14394.D	22:15
3		VOA MSD STD	V14396.D	22:56
4	PGW-1	04050709-01	V14404.D	01:45
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Comments: _____

5A

Volatile Organic Instrument Performance Check
Bromoflourobenzene (BFB)

Lab Name: York Analytical Labs
Lab Code: **Case No.:** **SDG (Project ID) No:** 04050709
Lab File ID: V14370.D **BFB Injection Date:** 06/04/04
Instrument ID: **BFB InjectionTime:** 14:03
GC Column: **ID:** **(mm)**

VOA 1 (A)

m/e	Ion Abundance Criteria	% Relative Abundance	
50	8.0-40.0% of mass 95	15.9	
75	30.0-66.0% of mass 95	41.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	(84.1) 1
174	50.0-120.0% of mass 95	84.1	
175	4.0-9.0% of mass 174	7.0	(84.1) 1
176	93.0-101.0% of mass 174	96.4	(84.1) 1
177	5.0-9.0% of mass 176	6.7	(96.4) 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
1		10 ppb VOA Cal Std	V14372.D	06/04/04	14:49
2		20 ppb VOA Cal Std	V14374.D	06/04/04	15:29
3		50 ppb VOA Cal Std	V14376.D	06/04/04	16:10
4		100 ppb VOA Cal Std	V14378.D	06/04/04	16:50
5		200 ppb VOA Cal Std	V14380.D	06/04/04	17:30
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

Volatile Organic Instrument Performance Check
Bromoflourobenzene (BFB)

Lab Name: York Analytical Labs
Lab Code: **Case No.:** **SDG (Project ID) No:** 04050709
Lab File ID: V14386.D **BFB Injection Date:** 06/04/04
Instrument ID: **BFB InjectionTime:** 19:32
GC Column: **ID:** **(mm)**

VOA 1 (A)

m/e	Ion Abundance Criteria	% Relative Abundance	
50	8.0-40.0% of mass 95	14.9	
75	30.0-66.0% of mass 95	40.9	
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	(82.3) 1
174	50.0-120.0% of mass 95	82.3	
175	4.0-9.0% of mass 174	7.6	(82.3) 1
176	93.0-101.0% of mass 174	97.5	(82.3) 1
177	5.0-9.0% of mass 176	6.0	(97.5) 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
1		METHOD BLK STD	V14390.D	06/04/04	20:53
2		VOA LCS STD	V14392.D	06/04/04	21:35
3		VOA MS STD	V14394.D	06/04/04	22:15
4		VOA MSD STD	V14396.D	06/04/04	22:56
5	PGW-1	04050709-01	V14404.D	06/05/04	01:45
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A

Volatile Internal Standard Area and RT Summary

Lab Name: York Analytical Labs

Lab Code: Case No: SAS No. SDG No: 04050709

EPA Sample No.: 04050709 Date Analyzed: 06/04/04

Lab File ID: V14386.D Time Analyzed: 19:32

Instrument ID: Heated Purge: (Y/N)

GC Column: ID: (mm)

VOA 1 (A)

	IS 1 (FBZ) Area #	RT #	IS 2 (CBZ) Area #	RT #	IS 3 (DCB) Area #	RT #
12 Hour Std	108713	4.96	460933	7.87	190006	10.79
Upper Limit	217426	5.46	921866	8.37	380012	11.29
Lower Limit	54357	4.46	230467	7.37	95003	10.29
Client Sample ID						
METHOD BLANK STD	106006	4.97	380739	7.88	150223	10.79
VOA LCS STD	100665	4.96	429108	7.87	173032	10.79
VOA MS STD	107654	4.96	422423	7.87	169941	10.79
VOA MSD STD	106532	4.96	413549	7.87	157610	10.79
PGW-1	96621	4.97	401084	7.87	161124	10.79

IS 1 (FBZ) Fluorobenzne
IS 2 (CBZ) Chlorobenzene-d5
IS 3 (DCB) 1,2-Dichlorobenzene-d4

Area Upper Limit +100% of internal standard area
Area Lower Limit -50% of internal standard area
RT Upper Limit +0.50 minutes of internal standard RT
RT Upper Limit -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with asterisk
* Values outside of QC limits

YORK
Analytical Laboratories, Inc.

Form 1
Volatile Organics Analysis Data Sheet-8021 Stars

Client Sample ID

PGW-1

Sample Amount:	Soil=1.0g/Water=5.0ml	Date Collected:	05/26/04	*Sample Type:*	WATER
Matrix:	WATER	Date Received:	05/26/04	SDG:	04050709
Dilution Factor:	1.0	Date Analyzed:	06/05/04	Lab ID:	04050709-01
GC Column:	DB-624, 50 m, 0.32mm id	Level:	LOW	Lab File ID:	V14404.D

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
PGW-1	04050709-01	Benzene	1 U
PGW-1	04050709-01	Chlorobenzene	1 U
PGW-1	04050709-01	Chloromethane	1 U
PGW-1	04050709-01	1,2-Dichloroethane	1 U
PGW-1	04050709-01	Ethylbenzene	1 U
PGW-1	04050709-01	o-Xylene	1 U
PGW-1	04050709-01	p- & m-Xylenes	1 U

Form 1-VOA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\V14404.D Vial: 35
Acq On : 5 Jun 2004 1:45 am Operator: SS
Sample : 04050709-01 $8021W ASPB Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jul 16 15:57 19104 Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	4.97	70	96621	50.00	ppb	0.00
27) CHLOROBENZENE-d5(ISTD)	7.87	117	401084	50.00	ppb	0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	161124	50.00	ppb	0.00
System Monitoring Compounds						
23) d4-1,2-Dichloroethane(SURR	4.67	65	96281	51.78	ppb	0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 103.56%			
35) Toluene-d8(SURR)	6.44	98	412841	46.86	ppb	0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 93.72%			
52) p-Bromofluorobenzene(SURR)	9.11	174	171274	49.14	ppb	0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 98.28%			

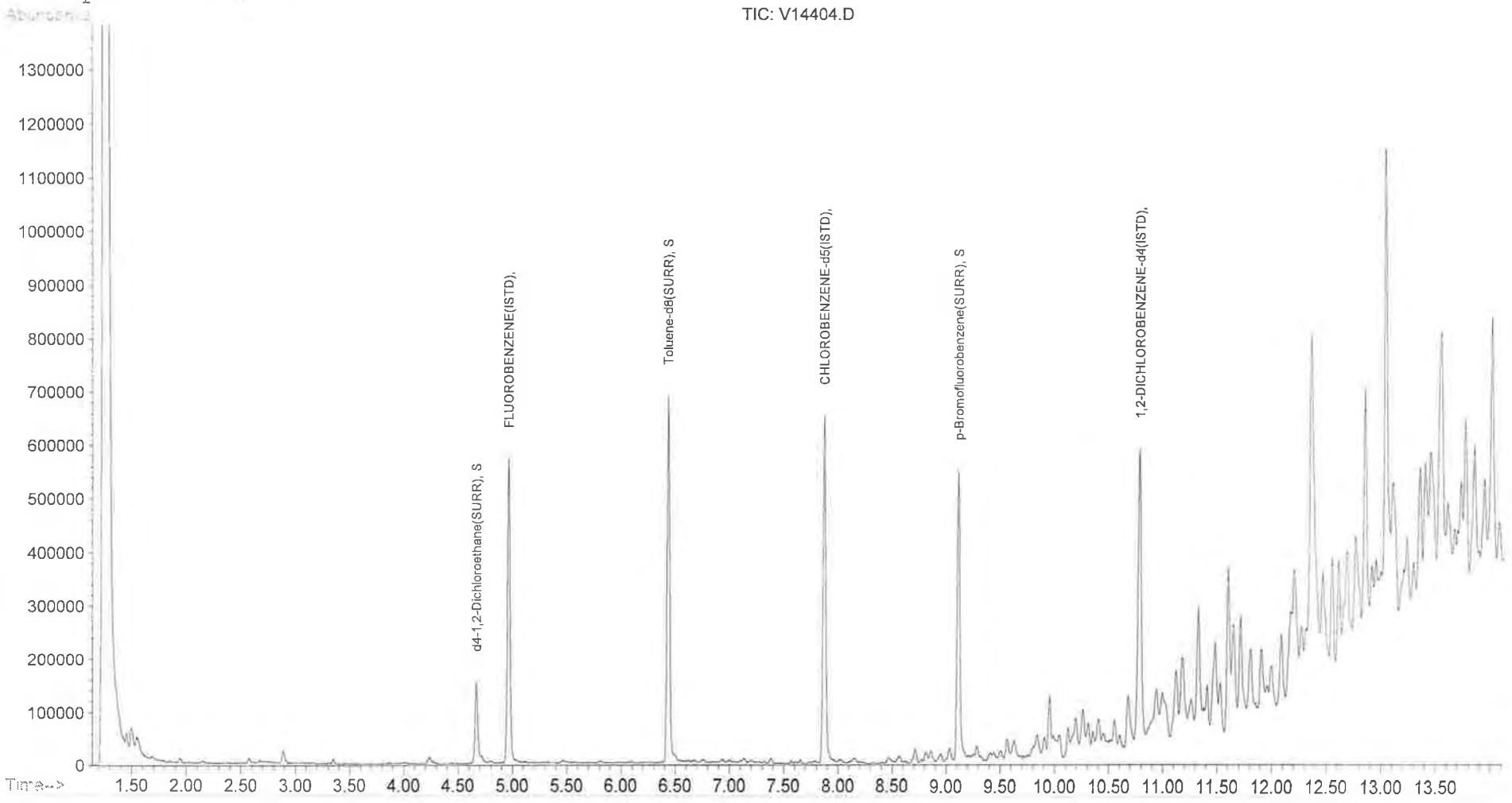
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

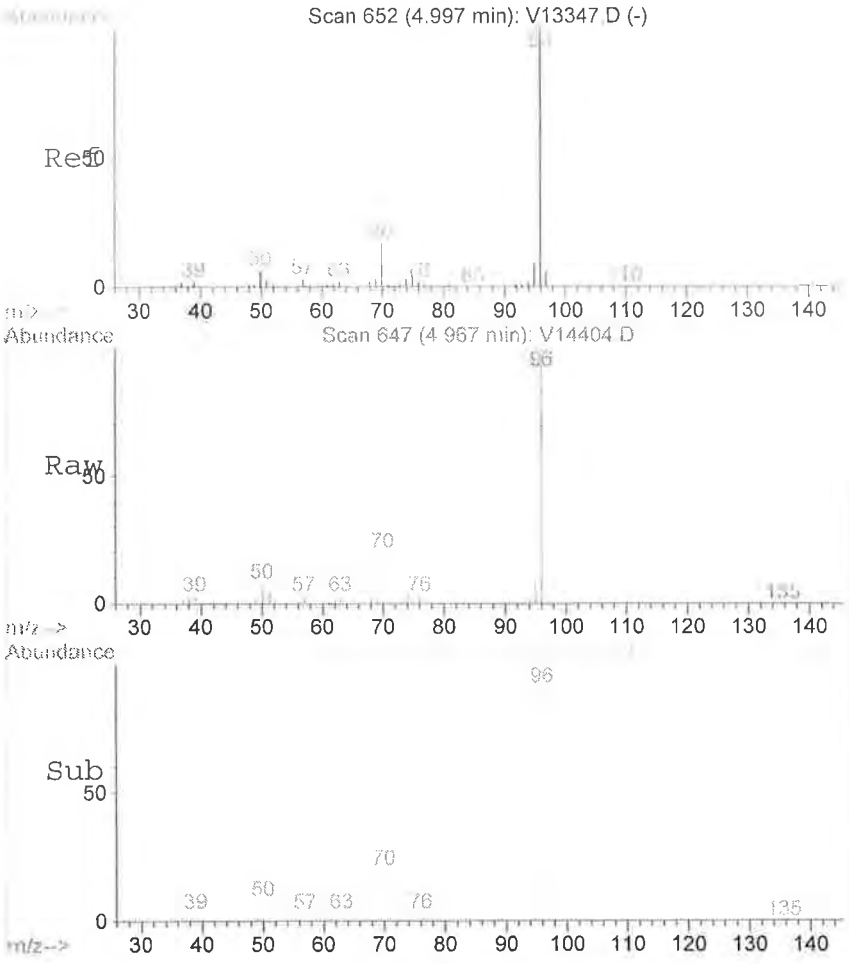
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14404.D Vial: 35
Acq On : 5 Jun 2004 1:45 am Operator: SS
Sample : 04050709-01 $8021W ASPB Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jul 16 15:57 19104 Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



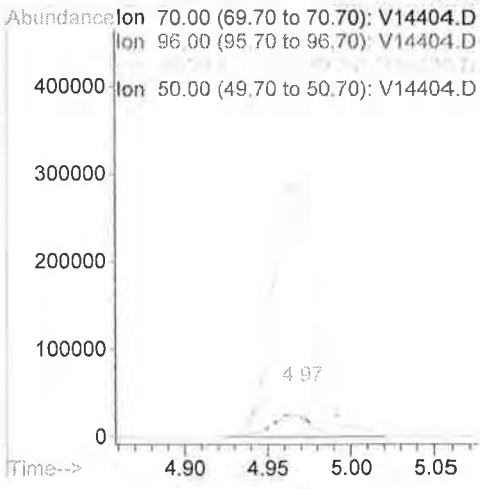
420024

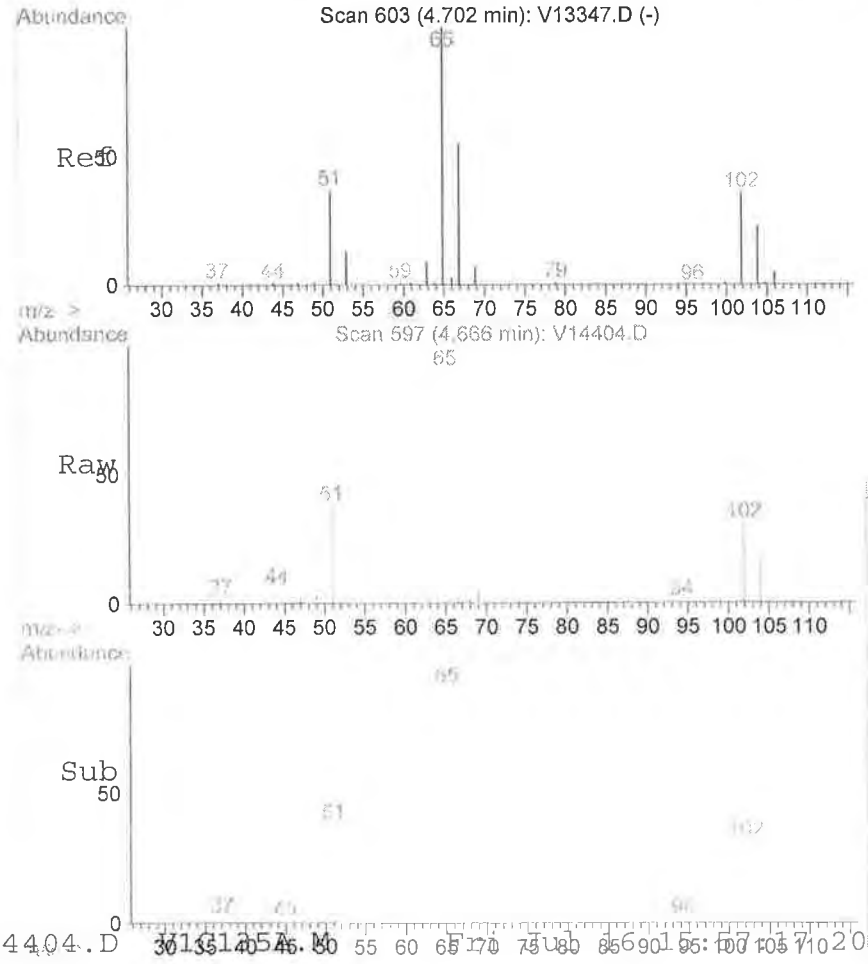


#1
FLUOROBENZENE(ISTD)
Concen: 50.00 ppb
RT: 4.97 min Scan# 647
Delta R.T. -0.00 min
Lab File: V14404.D
Acq: 5 Jun 2004 1:45 am

Tgt Ion: 70 Resp: 96621

Ion	Ratio	Lower	Upper
70	100		
96	512.5	412.3	618.5
70	100.0	80.0	120.0
50	0.0	0.0	0.0

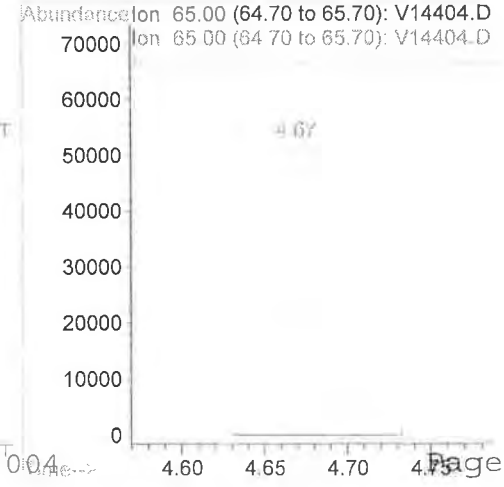


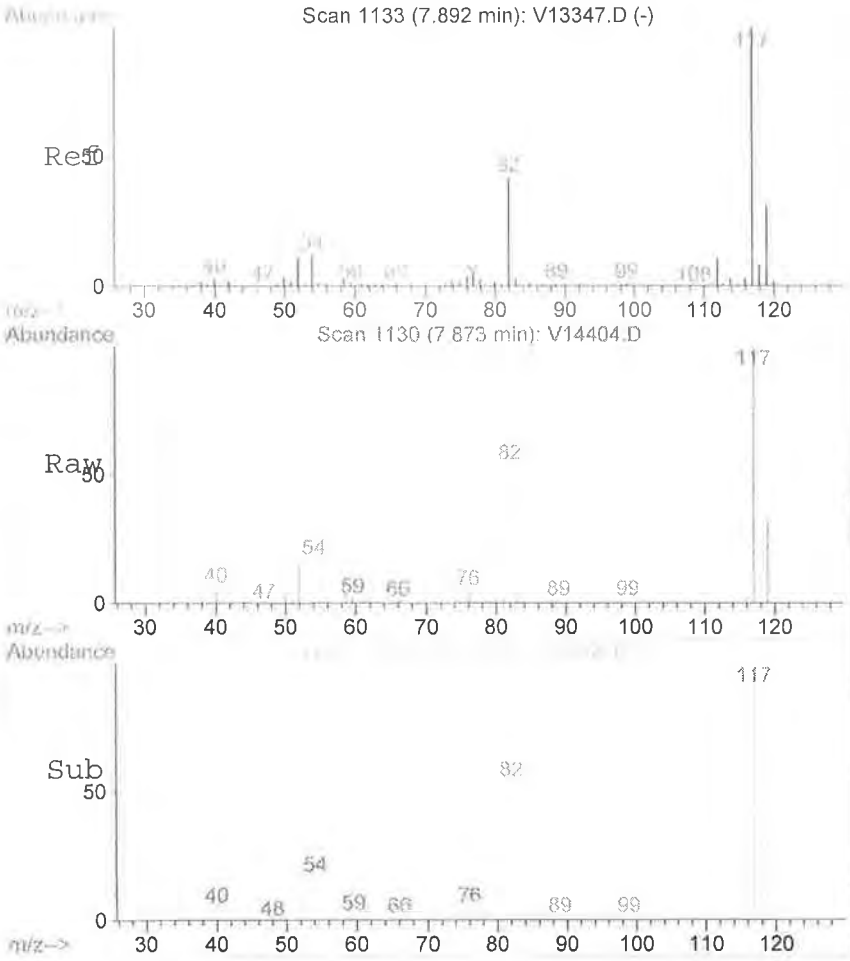


#23
d4-1,2-Dichloroethane(SURR)
Concen: 51.78 ppb
RT: 4.67 min Scan# 597
Delta R.T. -0.00 min
Lab File: V14404.D
Acq: 5 Jun 2004 1:45 am

Tgt Ion: 65 Resp: 96281

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	30.1	23.1	34.7

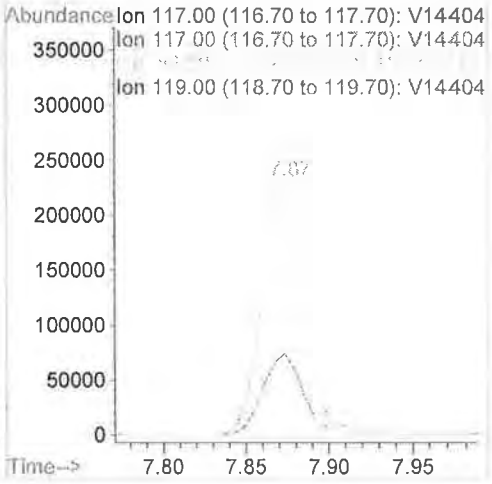


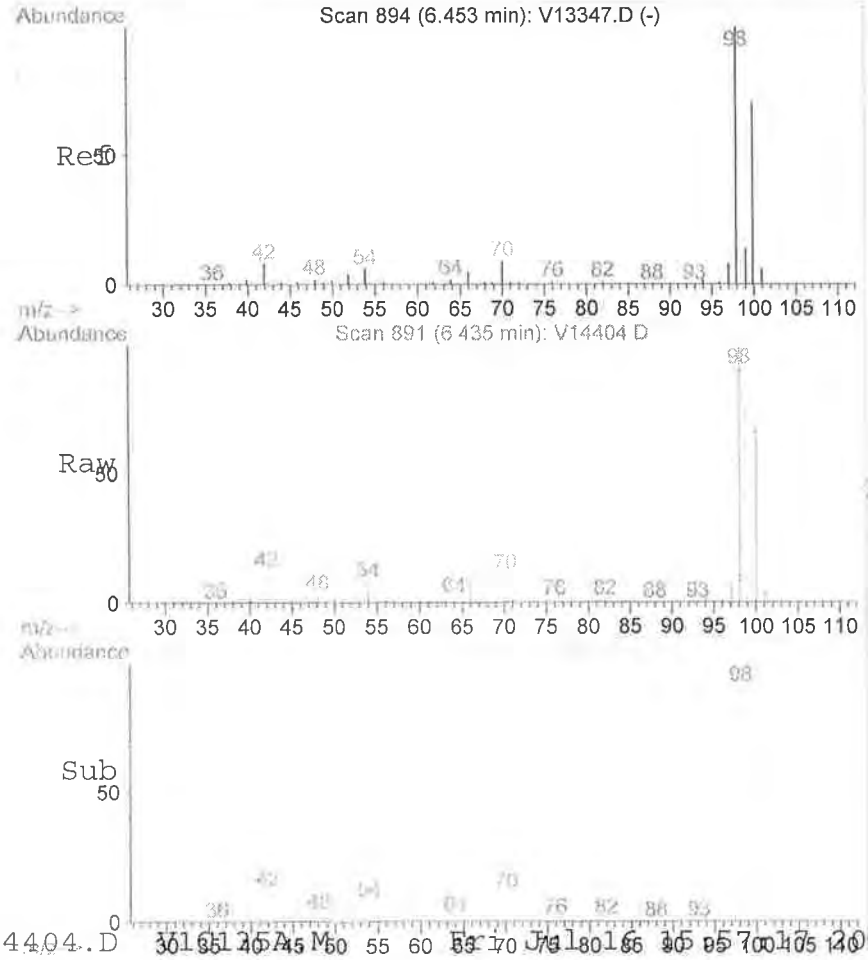


#27
CHLOROBENZENE-d5(ISTD)
Concen: 50.00 ppb
RT: 7.87 min Scan# 1130
Delta R.T. -0.00 min
Lab File: V14404.D
Acq: 5 Jun 2004 1:45 am

Tgt Ion:117 Resp: 401084

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	54.9	0.0	0.0#
119	0.0	25.5	38.3#

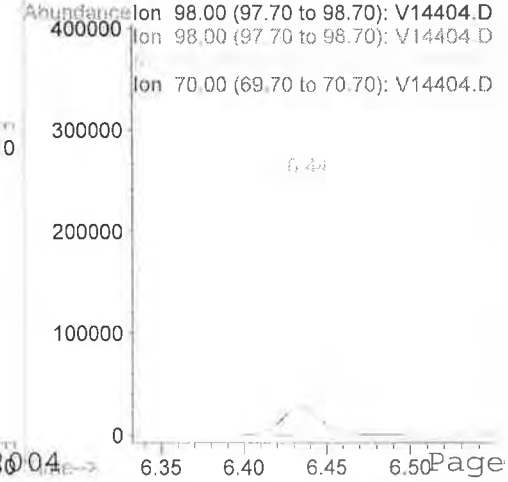


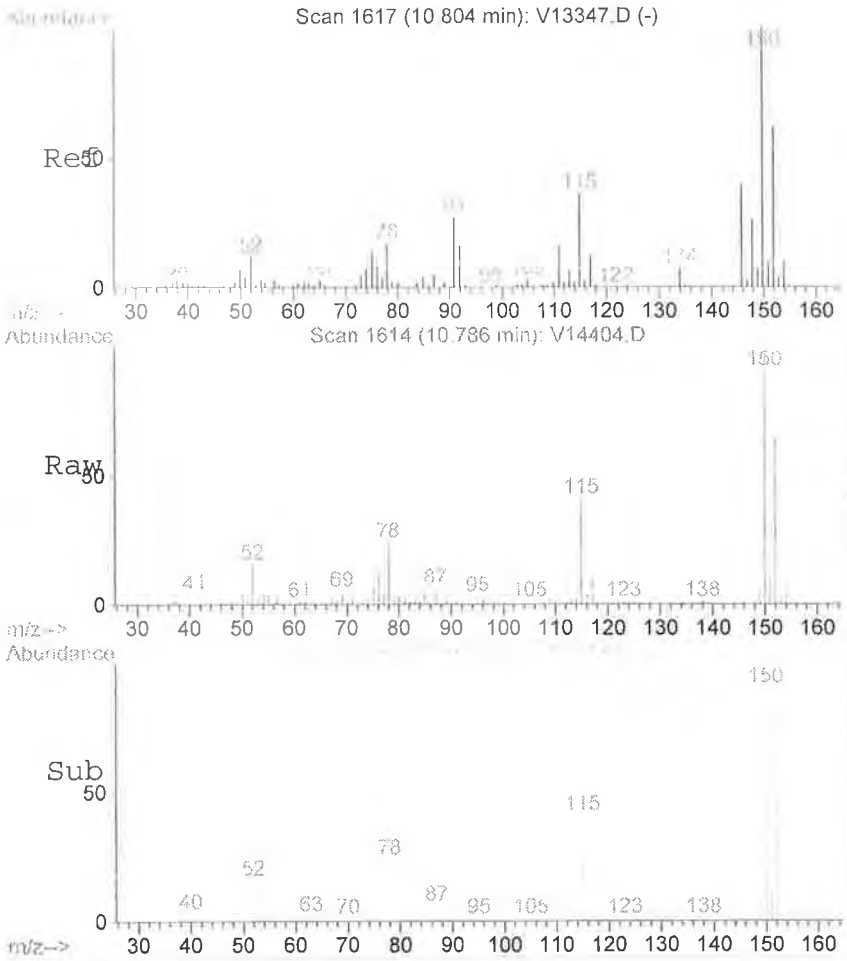


#35
Toluene-d8(SURR)
Concen: 46.86 ppb
RT: 6.44 min Scan# 891
Delta R.T. -0.01 min
Lab File: V14404.D
Acq: 5 Jun 2004 1:45 am

Tgt Ion: 98 Resp: 412841

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	68.4	33.9	101.7
70	0.0	0.0	0.0

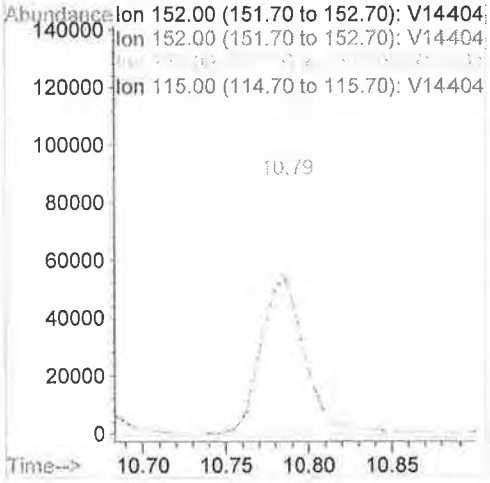


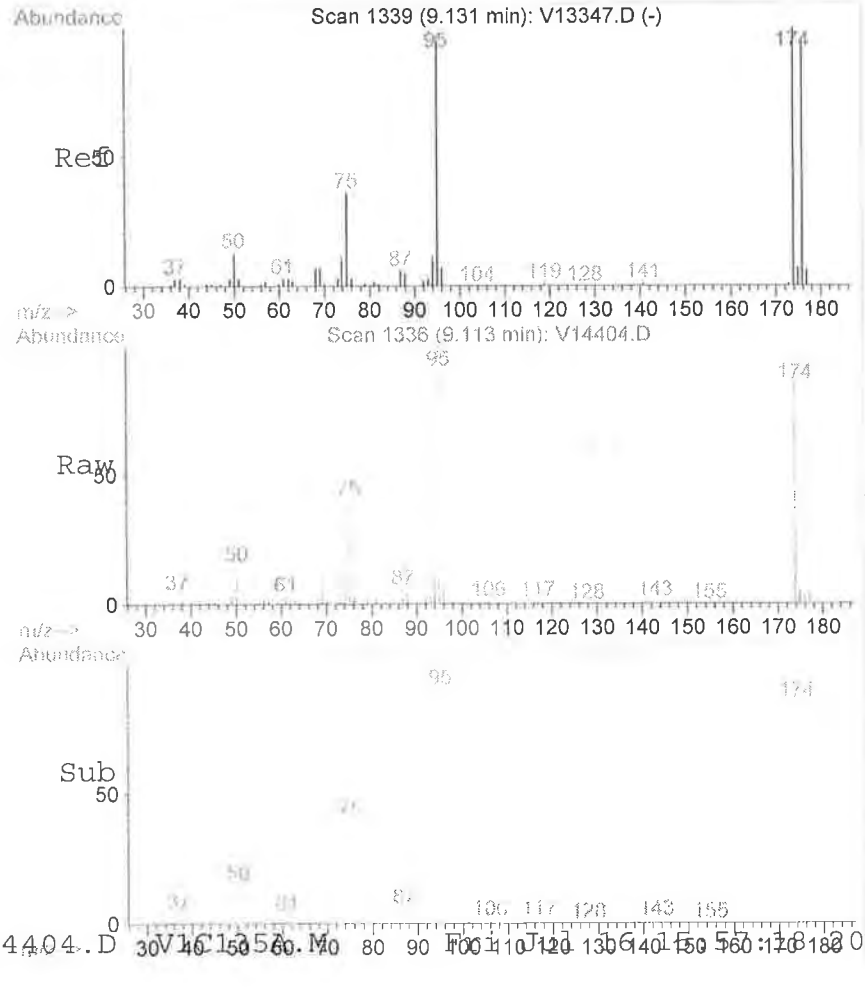


#50
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 10.79 min Scan# 1614
Delta R.T. -0.01 min
Lab File: V14404.D
Acq: 5 Jun 2004 1:45 am

Tgt Ion:152 Resp: 161124

Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	62.1	58.7	88.1

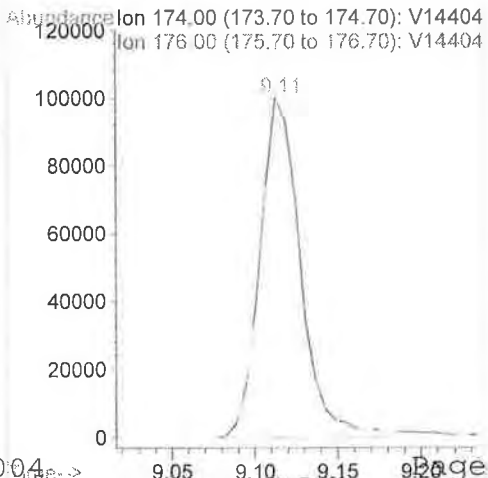




#52
p-Bromofluorobenzene (SURR)
Concen: 49.14 ppb
RT: 9.11 min Scan# 1336
Delta R.T. -0.01 min
Lab File: V14404.D
Acq: 5 Jun 2004 1:45 am

Tgt Ion:174 Resp: 171274

Ion	Ratio	Lower	Upper
174	100		
176	96.0	77.5	116.3



000027

Response Factor Report VOA No.1

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration

Calibration Files
10 =V14372.D 20 =V14374.D 50 =V14376.D
100 =V14378.D 200 =V14380.D

		Compound	10	20	50	100	200	Avg		%RSD
1)		FLUOROBENZENE(ISTD)	ISTD							
2)		Dichlorodifluorometha	5.209	4.495	5.692	5.720	4.784	5.180		10.49
3)	P	Chloromethane	4.852	4.298	5.029	5.119	4.639	4.787		6.88
4)	C	Vinyl Chloride	4.740	4.298	4.929	5.010	4.693	4.734		5.84#
5)		Bromomethane	3.188	2.991	3.532	3.596	3.463	3.354		7.62
6)		Chloroethane	2.404	2.335	2.476	2.467	2.354	2.407		2.66
7)		Trichlorofluoromethan	5.507	5.332	5.724	5.798	5.621	5.597		3.29
8)		Freon-113	4.009	4.005	4.591	4.568	4.388	4.312		6.71
9)	C,M	1,1-Dichloroethylene	4.122	4.064	4.500	4.434	4.210	4.266		4.50#
10)		trans-1,2-Dichloroeth	3.712	3.775	4.137	4.124	3.921	3.934		4.96
11)		Carbon Disulfide	1.008	1.022	1.193	1.212	1.170	1.121	E1	8.75
12)		Methylene Chloride	4.281	3.681	3.721	3.569	3.530	3.756		8.08
13)		tert-Butyl Methyl Eth	4.323	4.388	5.245	5.168	5.483	4.922		10.77
14)		Acetone	0.574	0.469	0.447	0.365	0.479	0.467		16.05
15)	P	1,1-Dichloroethane	4.586	4.520	4.990	5.048	4.958	4.820		5.13
16)		cis-1,2-Dichloroethyl	3.177	3.159	3.530	3.547	3.468	3.376		5.70
17)		2-Butanone	0.137	0.149	0.175	0.166	0.205	0.166		15.71
18)		2,2-Dichloropropane	4.000	3.974	4.451	4.483	4.404	4.262		5.94
19)		Bromochloromethane	1.758	1.691	1.945	1.945	2.014	1.871		7.40
20)	C	Chloroform	5.276	5.065	5.521	5.604	5.614	5.416		4.41#
21)		1,1,1-Trichloroethane	4.376	4.291	4.817	4.888	4.924	4.659		6.47
22)		1,1-Dichloropropylene	3.811	3.879	4.861	4.310	4.649	4.302		10.73
23)	S	d4-1,2-Dichloroethane	0.952	0.976	0.969	0.954	0.960	0.962		1.09
24)		Carbon Tetrachloride	3.576	3.629	4.658	4.218	4.651	4.146		12.74
25)		1,2-Dichloroethane	2.425	2.290	2.630	2.583	2.600	2.506		5.77
26)	M	Benzene	1.055	1.032	1.142	1.119	1.056	1.081	E1	4.38
27)		CHLOROBENZENE-d5(ISTD	ISTD							
28)	M	Trichloroethylene	0.761	0.767	0.822	0.850	0.835	0.807		5.01
29)		Dibromomethane	0.338	0.365	0.394	0.397	0.417	0.382		8.09
30)		Methyl Methacrylate	0.197	0.216	0.267	0.260	0.295	0.247		16.20
31)		Bromodichloromethane	0.777	0.816	0.890	0.912	0.933	0.866		7.66
32)	C	1,2-Dichloropropane	0.549	0.563	0.617	0.623	0.620	0.594		5.95#
33)		cis-1,3-Dichloroprope	0.827	0.846	0.946	0.977	1.005	0.920		8.66
34)		2-Hexanone	0.184	0.206	0.230	0.223	0.281	0.225		16.02
35)	S	Toluene-d8(SURR)	1.110	1.100	1.076	1.113	1.093	1.098		1.35

(#) = Out of Range

000028

Response Factor Report VOA No.1

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration

Calibration Files
10 =V14372.D 20 =V14374.D 50 =V14376.D
100 =V14378.D 200 =V14380.D

		Compound	10	20	50	100	200	Avg	%RSD
36)	C,M	Toluene	2.522	2.570	2.753	2.801	2.677	2.665	4.43#
37)		trans-1,3-Dichloropro	0.622	0.670	0.770	0.784	0.826	0.735	11.55
38)		1,1,2-Trichloroethane	0.366	0.377	0.411	0.403	0.426	0.397	6.20
39)		1,3-Dichloropropane	0.713	0.746	0.802	0.787	0.818	0.773	5.57
40)		Tetrachloroethylene	0.807	0.829	0.894	0.919	0.919	0.874	5.98
41)		4-Methyl-2-Pentanone	0.279	0.315	0.349	0.339	0.407	0.338	14.00
42)		Dibromochloromethane	0.502	0.521	0.588	0.608	0.652	0.574	10.80
43)		1,2-Dibromoethane	0.399	0.430	0.465	0.460	0.496	0.450	8.23
44)	P,M	Chlorobenzene	1.610	1.655	1.766	1.807	1.760	1.720	4.83
45)	C	Ethyl Benzene	2.795	2.935	3.156	3.175	2.970	3.006	5.31#
46)		p- & m-Xylenes	2.053	2.166	2.273	2.221	2.056	2.154	4.57
47)		o-Xylene	1.981	2.113	2.245	2.245	2.092	2.135	5.26
48)		Styrene	1.486	1.604	1.772	1.757	1.670	1.658	7.10
49)		1,1,1,2-Tetrachloroet	0.531	0.551	0.597	0.615	0.633	0.585	7.34
50)		1,2-DICHLOROBENZENE-d	ISTD						
51)	p	Bromoform	0.681	0.754	0.872	0.866	0.982	0.831	14.00
52)	S	p-Bromofluorobenzene(	1.066	1.073	1.097	1.087	1.085	1.082	1.11
53)	P	1,1,2,2-Tetrachloroet	1.297	1.380	1.506	1.394	1.515	1.418	6.47
54)		1,2,3-Trichloropropan	0.339	0.331	0.382	0.359	0.398	0.362	7.76
55)		Isopropylbenzene	7.167	7.719	8.675	8.618	8.315	8.099	7.96
56)		1,2-Dibromo-3-Chlorop	0.122	0.133	0.162	0.156	0.192	0.153	17.78
57)		Bromobenzene	2.553	2.482	2.964	2.868	2.836	2.741	7.69
58)		n-Propylbenzene	8.417	8.981	9.962	9.809	9.396	9.313	6.76
59)		2-Chlorotoluene	4.656	4.871	5.295	5.253	5.098	5.035	5.34
60)		4-Chlorotoluene	5.000	5.205	5.624	5.510	5.267	5.321	4.67
61)		tert-Butylbenzene	4.168	4.573	5.171	5.234	5.026	4.834	9.38
62)		1,3,5-trimethylbenzen	6.394	6.669	7.487	7.438	7.140	7.026	6.83
63)		1,2,4-trimethylbenzen	4.564	4.919	5.497	5.469	5.336	5.157	7.83
64)		sec-Butylbenzene	7.122	7.684	8.663	8.616	8.331	8.083	8.22
65)		1,3-Dichlorobenzene	2.966	3.096	3.378	3.365	3.338	3.229	5.78
66)		1,4-Dichlorobenzene	2.987	2.971	3.207	3.178	3.182	3.105	3.72
67)		1,2-Dichlorobenzene	2.514	2.558	2.818	2.746	2.759	2.679	5.01
68)		p-Isopropyltoluene	5.092	5.608	6.393	6.359	6.123	5.915	9.41
69)		n-Butylbenzene	5.146	5.740	6.354	6.250	5.810	5.860	8.20
70)		1,2,4-Trichlorobenzen	1.264	1.452	1.714	1.714	1.833	1.595	14.53
71)		Naphthalene	1.636	1.923	2.433	2.529	2.908	2.286	22.11

(#) = Out of Range

000029

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration

Calibration Files
10 =V14372.D 20 =V14374.D 50 =V14376.D
100 =V14378.D 200 =V14380.D

	Compound	10	20	50	100	200	Avg	%RSD
72)	Hexachloro-1,3-Butadi	0.716	0.828	0.941	0.914	1.023	0.884	13.23
73)	1,2,3-Trichlorobenzen	1.127	1.171	1.379	1.422	1.501	1.320	12.35

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14372.D
Acq On : 4 Jun 2004 2:49 pm
Sample : 10ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:03 19104

Vial: 3
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.97	70	109798	50.00	ppb		-0.02
27) CHLOROBENZENE-d5(ISTD)	7.87	117	446503	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	181825	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.67	65	104499	52.15	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 104.30%				
35) Toluene-d8(SURR)	6.43	98	495478	48.78	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 97.56%				
52) p-Bromofluorobenzene(SURR)	9.12	174	193875	50.12	ppb		-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 100.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	114397	24.85	ppb		99
3) Chloromethane	1.50	50	106538	14.57	ppb		100
4) Vinyl Chloride	1.57	62	104090	12.99	ppb		100
5) Bromomethane	1.82	94	70007	11.80	ppb		99
6) Chloroethane	1.89	64	52780	11.66	ppb		100
7) Trichlorofluoromethane	2.09	101	120941	12.21	ppb		100
8) Freon-113	2.50	101	88032	9.54	ppb		99
9) 1,1-Dichloroethylene	2.49	61	90520	10.32	ppb		99
10) trans-1,2-Dichloroethylene	3.12	61	81511	9.99	ppb		99
11) Carbon Disulfide	2.67	76	221315	9.24	ppb		100
12) Methylene Chloride	2.89	49	94005	7.44	ppb		100
13) tert-Butyl Methyl Ether (M	3.12	73	94935	8.85	ppb		99
14) Acetone	2.54	43	12608	8.86	ppb	#	100
15) 1,1-Dichloroethane	3.46	63	100709	9.97	ppb		100
16) cis-1,2-Dichloroethylene	3.96	96	69767	10.03	ppb	#	99
17) 2-Butanone	3.98	72	3000	8.44	ppb		72
18) 2,2-Dichloropropane	3.95	77	87833	10.51	ppb		100
19) Bromochloromethane	4.16	49	38594	9.66	ppb	#	100
20) Chloroform	4.24	83	115859	10.59	ppb		99
21) 1,1,1-Trichloroethane	4.39	97	96093	10.61	ppb		100
22) 1,1-Dichloropropylene	4.54	75	83679	8.89	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14372.D
Acq On : 4 Jun 2004 2:49 pm
Sample : 10ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:03 19104

Vial: 3
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.54	117	78517	9.37	ppb		100
25) 1,2-Dichloroethane	4.73	62	53257	10.70	ppb		99
26) Benzene	4.71	78	231648	10.32	ppb	#	90
28) Trichloroethylene	5.30	95	67976	9.50	ppb		99
29) Dibromomethane	5.61	93	30161	8.78	ppb		97
30) Methyl Methacrylate	5.62	69	17553	7.26	ppb		100
31) Bromodichloromethane	5.76	83	69357	8.98	ppb		99
32) 1,2-Dichloropropane	5.50	63	49026	8.83	ppb		98
33) cis-1,3-Dichloropropene	6.18	75	73833	8.88	ppb		99
34) 2-Hexanone	7.16	43	16457	7.43	ppb		95
36) Toluene	6.50	91	225197	9.34	ppb		100
37) trans-1,3-Dichloropropene	6.72	75	55588	8.37	ppb		99
38) 1,1,2-Trichloroethane	6.90	83	32681	9.02	ppb		100
39) 1,3-Dichloropropane	7.06	76	63672	8.98	ppb	#	100
40) Tetrachloroethylene	7.04	166	72077	9.72	ppb	#	77
41) 4-Methyl-2-Pentanone	6.34	43	24881	7.67	ppb		99
42) Dibromochloromethane	7.29	129	44841	8.84	ppb		100
43) 1,2-Dibromoethane	7.40	107	35621	8.87	ppb		100
44) Chlorobenzene	7.90	112	143782	9.40	ppb		100
45) Ethyl Benzene	8.02	91	249637	9.16	ppb		100
46) p- & m-Xylenes	8.15	91	366721	18.87	ppb		100
47) o-Xylene	8.56	91	176902	8.99	ppb		99
48) Styrene	8.58	104	132741	8.55	ppb		99
49) 1,1,1,2-Tetrachloroethane	7.99	131	47407	9.21	ppb		96
51) Bromoform	8.76	173	24772	8.18	ppb	#	76
53) 1,1,2,2-Tetrachloroethane	9.29	83	47168	8.41	ppb	#	99
54) 1,2,3-Trichloropropane	9.32	110	12338	9.17	ppb		78
55) Isopropylbenzene	10.20	105	260616	8.53	ppb	#	97
56) 1,2-Dibromo-3-Chloropropan	11.68	75	4444	7.21	ppb		99
57) Bromobenzene	9.27	77	92854	8.41	ppb		98
58) n-Propylbenzene	9.41	91	306078	8.70	ppb		100
59) 2-Chlorotoluene	9.49	91	169326	8.85	ppb	#	100
60) 4-Chlorotoluene	9.61	91	181830	8.64	ppb	#	92
61) tert-Butylbenzene	9.96	119	151567	7.92	ppb	#	99

(#) = qualifier out of range (m) = manual integration

000032

Data File : C:\HPCHEM\1\DATA\V14372.D
Acq On : 4 Jun 2004 2:49 pm
Sample : 10ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:03 19104

Vial: 3
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62) 1,3,5-trimethylbenzene	8.96	105	232510	8.60	ppb		100
63) 1,2,4-trimethylbenzene	10.01	105	165984	8.49	ppb		98
64) sec-Butylbenzene	10.20	105	259006	8.47	ppb		100
65) 1,3-Dichlorobenzene	10.30	146	107864	8.95	ppb	#	82
66) 1,4-Dichlorobenzene	10.41	146	108629	9.07	ppb	#	66
67) 1,2-Dichlorobenzene	10.82	146	91424	9.08	ppb	#	100
68) p-Isopropyltoluene	10.36	119	185176	8.31	ppb	#	96
69) n-Butylbenzene	10.82	91	187126	8.35	ppb		99
70) 1,2,4-Trichlorobenzene	12.61	180	45979	7.44	ppb		98
71) Naphthalene	12.89	128	59482	6.21	ppb	#	96
72) Hexachloro-1,3-Butadiene	12.83	225	26030	8.03	ppb	#	99
73) 1,2,3-Trichlorobenzene	13.16	182	40976	8.05	ppb		98

(#) = qualifier out of range (m) = manual integration

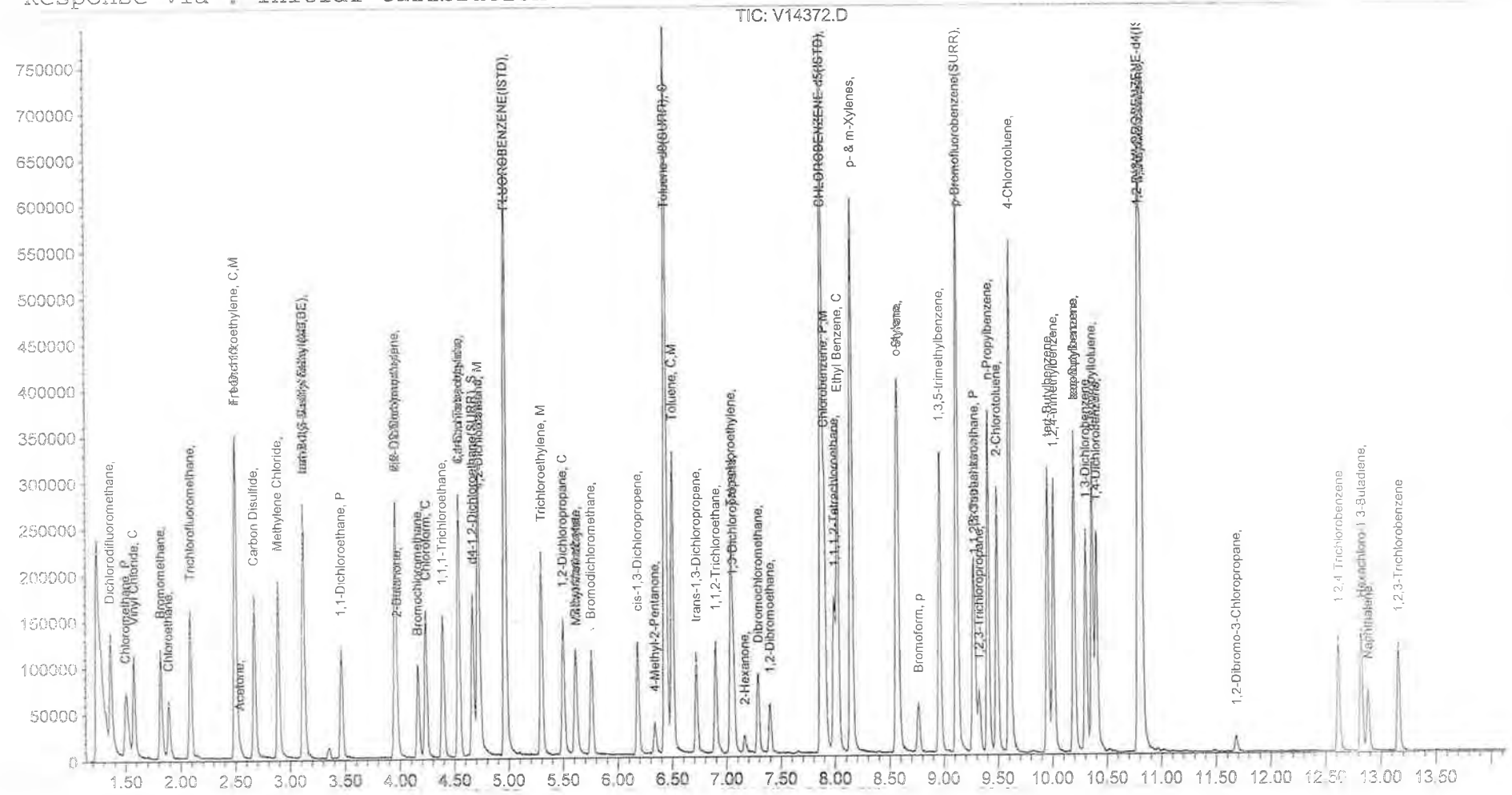
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14372.D
Acq On : 4 Jun 2004 2:49 pm
Sample : 10ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:03 19104

Vial: 3
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration



E00034

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14374.D Vial: 5
Acq On : 4 Jun 2004 3:29 pm Operator: SS
Sample : 20ppb VOA CALIBRATION STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:44 19104 Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	105479	50.00	ppb		-0.03
27) CHLOROBENZENE-d5(ISTD)	7.87	117	426477	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	177984	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.67	65	102991	53.50	ppb		-0.02
Spiked Amount 50.000	Range 64 - 122		Recovery = 107.00%				
35) Toluene-d8(SURR)	6.44	98	469117	48.35	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 96.70%				
52) p-Bromofluorobenzene(SURR)	9.12	174	190977	50.43	ppb		-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 100.86%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	189632	42.88	ppb		100
3) Chloromethane	1.50	50	181348	25.82	ppb		100
4) Vinyl Chloride	1.57	62	181343	23.55	ppb		100
5) Bromomethane	1.82	94	126198	22.14	ppb		99
6) Chloroethane	1.89	64	98506	22.65	ppb		99
7) Trichlorofluoromethane	2.09	101	224954	23.65	ppb		100
8) Freon-113	2.50	101	168979	19.05	ppb		99
9) 1,1-Dichloroethylene	2.49	61	171446	20.35	ppb		99
10) trans-1,2-Dichloroethylene	3.11	61	159274	20.33	ppb		99
11) Carbon Disulfide	2.67	76	431295	18.75	ppb		100
12) Methylene Chloride	2.89	49	155299	12.79	ppb		100
13) tert-Butyl Methyl Ether (M	3.12	73	185148	17.97	ppb		100
14) Acetone	2.54	43	19806	14.48	ppb	#	100
15) 1,1-Dichloroethane	3.46	63	190711	19.66	ppb		100
16) cis-1,2-Dichloroethylene	3.96	96	133281	19.94	ppb	#	100
17) 2-Butanone	3.97	72	6289	18.42	ppb		83
18) 2,2-Dichloropropane	3.95	77	167653	20.89	ppb		100
19) Bromochloromethane	4.16	49	71363	18.59	ppb	#	100
20) Chloroform	4.23	83	213697	20.32	ppb		100
21) 1,1,1-Trichloroethane	4.39	97	181024	20.81	ppb		100
22) 1,1-Dichloropropylene	4.54	75	163679	18.09	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14374.D
Acq On : 4 Jun 2004 3:29 pm
Sample : 20ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:44 19104

Vial: 5
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24) Carbon Tetrachloride	4.54	117	153100	19.03 ppb		99
25) 1,2-Dichloroethane	4.73	62	96608	20.20 ppb		100
26) Benzene	4.71	78	435342	20.18 ppb		98
28) Trichloroethylene	5.30	95	130801	19.13 ppb		99
29) Dibromomethane	5.61	93	62345	19.00 ppb		99
30) Methyl Methacrylate	5.62	69	36840	15.95 ppb		100
31) Bromodichloromethane	5.76	83	139285	18.88 ppb		99
32) 1,2-Dichloropropane	5.50	63	96068	18.12 ppb		98
33) cis-1,3-Dichloropropene	6.18	75	144251	18.16 ppb		100
34) 2-Hexanone	7.16	43	35153	16.62 ppb		99
36) Toluene	6.50	91	438492	19.05 ppb		100
37) trans-1,3-Dichloropropene	6.72	75	114342	18.02 ppb		99
38) 1,1,2-Trichloroethane	6.90	83	64268	18.57 ppb	#	57
39) 1,3-Dichloropropane	7.06	76	127236	18.79 ppb	#	100
40) Tetrachloroethylene	7.04	166	141473	19.97 ppb		99
41) 4-Methyl-2-Pentanone	6.34	43	53729	17.34 ppb		99
42) Dibromochloromethane	7.28	129	88953	18.37 ppb		99
43) 1,2-Dibromoethane	7.40	107	73381	19.14 ppb		99
44) Chlorobenzene	7.90	112	282297	19.32 ppb		99
45) Ethyl Benzene	8.02	91	500701	19.25 ppb		100
46) p- & m-Xylenes	8.14	91	738877	39.81 ppb		100
47) o-Xylene	8.56	91	360489	19.19 ppb		100
48) Styrene	8.58	104	273552	18.44 ppb		99
49) 1,1,1,2-Tetrachloroethane	7.99	131	94038	19.13 ppb		99
51) Bromoform	8.76	173	53679	18.11 ppb	#	76
53) 1,1,2,2-Tetrachloroethane	9.29	83	98243	17.90 ppb	#	100
54) 1,2,3-Trichloropropane	9.32	110	23582	17.90 ppb		91
55) Isopropylbenzene	10.20	105	549540	18.37 ppb	#	97
56) 1,2-Dibromo-3-Chloropropan	11.68	75	9503	15.75 ppb		96
57) Bromobenzene	9.27	77	176667	16.35 ppb		95
58) n-Propylbenzene	9.40	91	639395	18.57 ppb		100
59) 2-Chlorotoluene	9.49	91	346797	18.52 ppb	#	100
60) 4-Chlorotoluene	9.61	91	370535	17.98 ppb	#	92
61) tert-Butylbenzene	9.96	119	325577	17.38 ppb	#	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14374.D
Acq On : 4 Jun 2004 3:29 pm
Sample : 20ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:44 19104

Vial: 5
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	1,3,5-trimethylbenzene	8.96	105	474821	17.95	ppb		100
63)	1,2,4-trimethylbenzene	10.01	105	350196	18.30	ppb		97
64)	sec-Butylbenzene	10.20	105	547038	18.28	ppb		100
65)	1,3-Dichlorobenzene	10.30	146	220392	18.68	ppb	#	82
66)	1,4-Dichlorobenzene	10.41	146	211514	18.04	ppb	#	95
67)	1,2-Dichlorobenzene	10.81	146	182128	18.47	ppb	#	99
68)	p-Isopropyltoluene	10.36	119	399281	18.31	ppb	#	96
69)	n-Butylbenzene	10.82	91	408618	18.63	ppb		100
70)	1,2,4-Trichlorobenzene	12.62	180	103341	17.09	ppb		100
71)	Naphthalene	12.88	128	136929	14.60	ppb		100
72)	Hexachloro-1,3-Butadiene	12.83	225	58958	18.57	ppb	#	100
73)	1,2,3-Trichlorobenzene	13.16	182	83363	16.74	ppb		99

(#) = qualifier out of range (m) = manual integration

000037

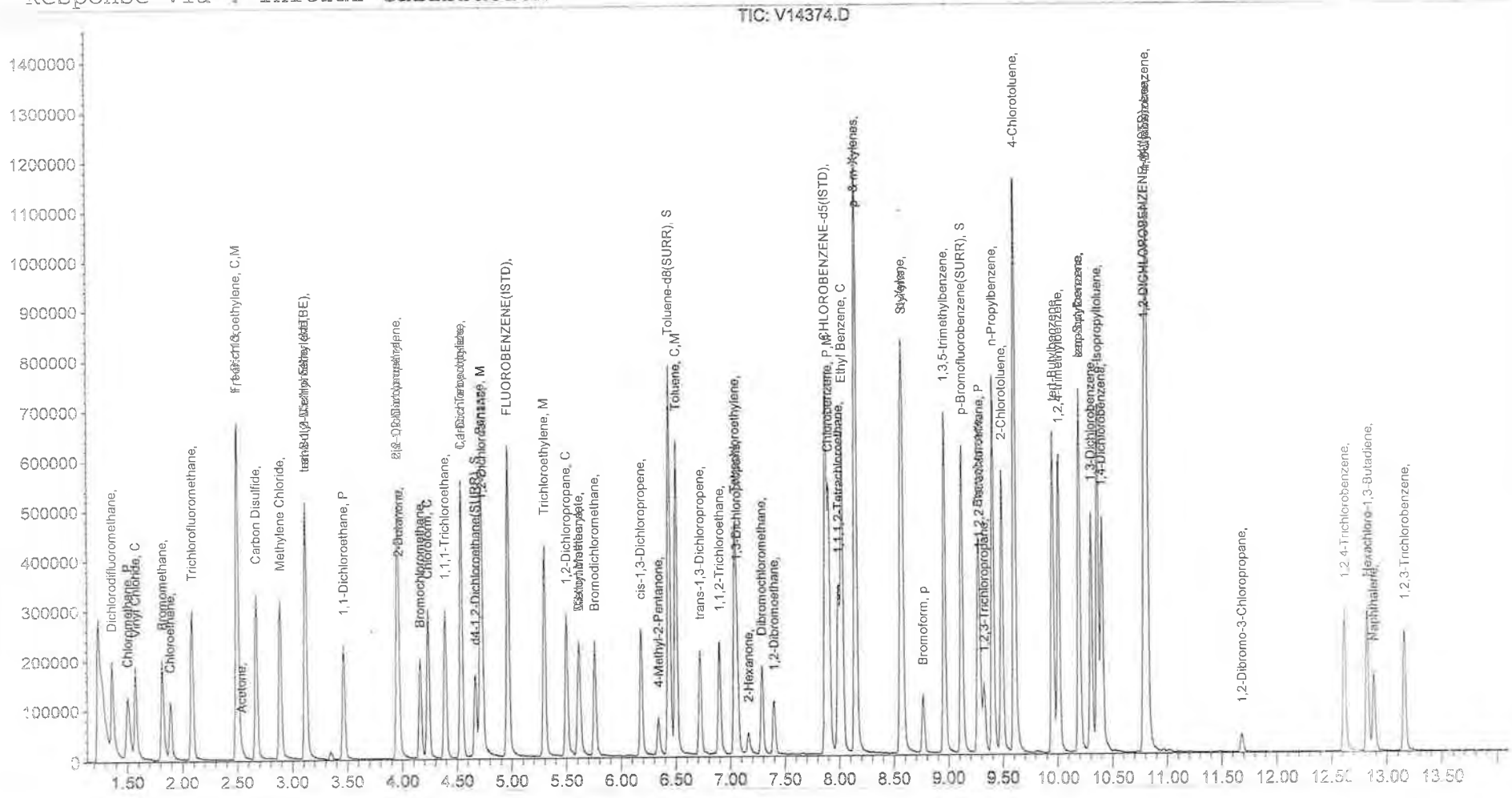
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14374.D
Acq On : 4 Jun 2004 3:29 pm
Sample : 20ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 15:44 19104

Vial: 5
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration



000038

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14376.D Vial: 7
Acq On : 4 Jun 2004 4:10 pm Operator: SS
Sample : 50ppb VOA CALIBRATION STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 16:24 19104 Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	106597	50.00	ppb		-0.03
27) CHLOROBENZENE-d5(ISTD)	7.87	117	444891	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	178806	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.66	65	103341	53.12	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 106.24%				
35) Toluene-d8(SURR)	6.43	98	478623	47.29	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 94.58%				
52) p-Bromofluorobenzene(SURR)	9.12	174	196122	51.56	ppb		-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 103.12%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	606714	135.76	ppb		100
3) Chloromethane	1.50	50	536123	75.53	ppb		100
4) Vinyl Chloride	1.57	62	525390	67.51	ppb		100
5) Bromomethane	1.81	94	376542	65.36	ppb		97
6) Chloroethane	1.89	64	263899	60.06	ppb		99
7) Trichlorofluoromethane	2.08	101	610197	63.47	ppb		100
8) Freon-113	2.50	101	489376	54.60	ppb		99
9) 1,1-Dichloroethylene	2.49	61	479662	56.33	ppb		100
10) trans-1,2-Dichloroethylene	3.11	61	440977	55.70	ppb		99
11) Carbon Disulfide	2.67	76	1271556	54.69	ppb		100
12) Methylene Chloride	2.88	49	396694	32.32	ppb		99
13) tert-Butyl Methyl Ether (M	3.12	73	559059	53.68	ppb		100
14) Acetone	2.54	43	47697	34.51	ppb	#	100
15) 1,1-Dichloroethane	3.46	63	531867	54.26	ppb		100
16) cis-1,2-Dichloroethylene	3.95	96	376323	55.72	ppb	#	100
17) 2-Butanone	3.97	72	18636	54.02	ppb		92
18) 2,2-Dichloropropane	3.95	77	474456	58.50	ppb		100
19) Bromochloromethane	4.16	49	207366	53.46	ppb	#	100
20) Chloroform	4.23	83	588523	55.38	ppb		100
21) 1,1,1-Trichloroethane	4.39	97	513492	58.41	ppb		100
22) 1,1-Dichloropropylene	4.53	75	518136	56.68	ppb		99

(#) = qualifier out of range (m) = manual integration

000039

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14376.D
Acq On : 4 Jun 2004 4:10 pm
Sample : 50ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 16:24 19104

Vial: 7
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24) Carbon Tetrachloride	4.53	117	496571	61.06 ppb		99
25) 1,2-Dichloroethane	4.73	62	280346	58.00 ppb		99
26) Benzene	4.71	78	1217647	55.86 ppb		99
28) Trichloroethylene	5.30	95	365648	51.26 ppb		99
29) Dibromomethane	5.60	93	175068	51.15 ppb		98
30) Methyl Methacrylate	5.62	69	118995	49.38 ppb		100
31) Bromodichloromethane	5.75	83	395836	51.44 ppb		100
32) 1,2-Dichloropropane	5.50	63	274698	49.66 ppb		99
33) cis-1,3-Dichloropropene	6.18	75	420940	50.79 ppb		100
34) 2-Hexanone	7.16	43	102367	46.41 ppb		99
36) Toluene	6.50	91	1224708	51.01 ppb		99
37) trans-1,3-Dichloropropene	6.72	75	342610	51.77 ppb		100
38) 1,1,2-Trichloroethane	6.90	83	182744	50.62 ppb		99
39) 1,3-Dichloropropane	7.06	76	356682	50.50 ppb	#	100
40) Tetrachloroethylene	7.04	166	397606	53.81 ppb		98
41) 4-Methyl-2-Pentanone	6.34	43	155131	48.00 ppb		100
42) Dibromochloromethane	7.28	129	261528	51.77 ppb		100
43) 1,2-Dibromoethane	7.40	107	206936	51.73 ppb		99
44) Chlorobenzene	7.90	112	785637	51.55 ppb		100
45) Ethyl Benzene	8.02	91	1404221	51.74 ppb		100
46) p- & m-Xylenes	8.15	91	2022833	104.49 ppb		99
47) o-Xylene	8.56	91	998919	50.97 ppb		100
48) Styrene	8.58	104	788562	50.96 ppb		100
49) 1,1,1,2-Tetrachloroethane	7.99	131	265453	51.77 ppb		99
51) Bromoform	8.76	173	155885	52.35 ppb	#	76
53) 1,1,2,2-Tetrachloroethane	9.29	83	269218	48.83 ppb	#	100
54) 1,2,3-Trichloropropane	9.32	110	68355	51.64 ppb		82
55) Isopropylbenzene	10.20	105	1551194	51.63 ppb	#	97
56) 1,2-Dibromo-3-Chloropropan	11.68	75	28899	47.69 ppb		95
57) Bromobenzene	9.27	77	530052	48.83 ppb		98
58) n-Propylbenzene	9.41	91	1781322	51.49 ppb		100
59) 2-Chlorotoluene	9.49	91	946745	50.33 ppb	#	100
60) 4-Chlorotoluene	9.61	91	1005635	48.57 ppb	#	92
61) tert-Butylbenzene	9.95	119	924545	49.11 ppb	#	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14376.D
Acq On : 4 Jun 2004 4:10 pm
Sample : 50ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 16:24 19104

Vial: 7
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	1,3,5-trimethylbenzene	8.96	105	1338715	50.38	ppb		100
63)	1,2,4-trimethylbenzene	10.01	105	982827	51.13	ppb		97
64)	sec-Butylbenzene	10.20	105	1549053	51.52	ppb		100
65)	1,3-Dichlorobenzene	10.30	146	604091	50.97	ppb	#	82
66)	1,4-Dichlorobenzene	10.41	146	573433	48.68	ppb	#	96
67)	1,2-Dichlorobenzene	10.81	146	503946	50.87	ppb	#	100
68)	p-Isopropyltoluene	10.36	119	1143152	52.17	ppb	#	96
69)	n-Butylbenzene	10.82	91	1136147	51.55	ppb		100
70)	1,2,4-Trichlorobenzene	12.61	180	306416	50.44	ppb		99
71)	Naphthalene	12.88	128	434961	46.16	ppb	#	100
72)	Hexachloro-1,3-Butadiene	12.82	225	168266	52.76	ppb	#	100
73)	1,2,3-Trichlorobenzene	13.16	182	246605	49.28	ppb		100

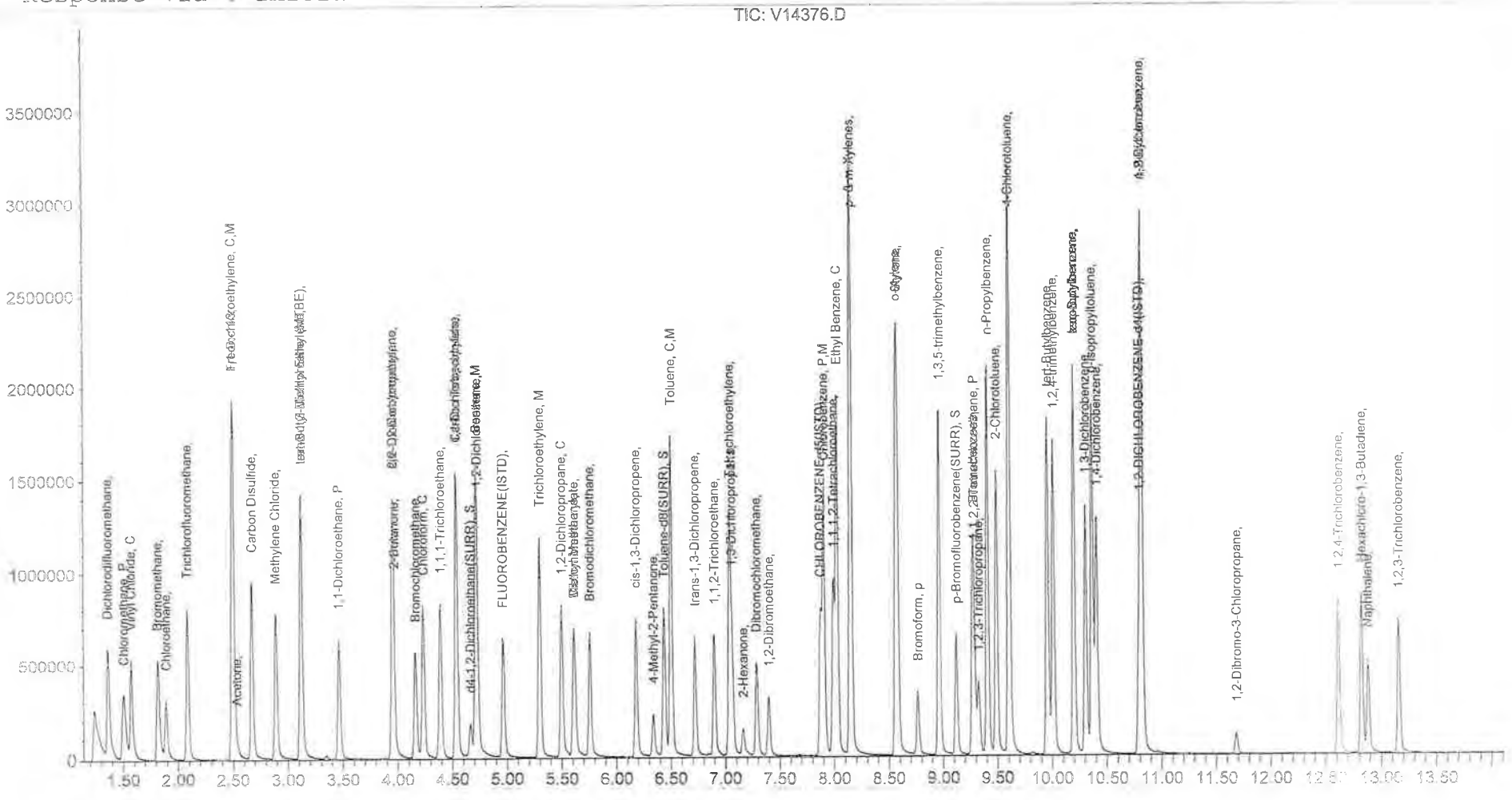
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14376.D
Acq On : 4 Jun 2004 4:10 pm
Sample : 50ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 16:24 19104

Vial: 7
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14378.D Vial: 9
Acq On : 4 Jun 2004 4:50 pm Operator: SS
Sample : 100ppb VOA CALIBRATION STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:04 19104 Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	108831	50.00	ppb		-0.03
27) CHLOROBENZENE-d5(ISTD)	7.87	117	442950	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	180461	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.66	65	103782	52.25	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 104.50%				
35) Toluene-d8(SURR)	6.44	98	492990	48.92	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 97.84%				
52) p-Bromofluorobenzene(SURR)	9.11	174	196143	51.09	ppb		-0.03
Spiked Amount 50.000	Range 71 - 126		Recovery = 102.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	1245049	272.88	ppb		99
3) Chloromethane	1.50	50	1114150	153.73	ppb		100
4) Vinyl Chloride	1.57	62	1090566	137.26	ppb		100
5) Bromomethane	1.81	94	782683	133.06	ppb		98
6) Chloroethane	1.89	64	536940	119.68	ppb		100
7) Trichlorofluoromethane	2.09	101	1262042	128.58	ppb		100
8) Freon-113	2.50	101	994215	108.65	ppb		98
9) 1,1-Dichloroethylene	2.49	61	965063	111.00	ppb		99
10) trans-1,2-Dichloroethylene	3.11	61	897708	111.05	ppb		99
11) Carbon Disulfide	2.67	76	2638226	111.14	ppb		100
12) Methylene Chloride	2.89	49	776766	61.98	ppb		99
13) tert-Butyl Methyl Ether (M	3.12	73	1124967	105.80	ppb		100
14) Acetone	2.53	43	79397	56.26	ppb	#	100
15) 1,1-Dichloroethane	3.46	63	1098825	109.80	ppb		100
16) cis-1,2-Dichloroethylene	3.95	96	772143	111.97	ppb	#	100
17) 2-Butanone	3.97	72	36142	102.62	ppb		99
18) 2,2-Dichloropropane	3.95	77	975783	117.84	ppb		100
19) Bromochloromethane	4.16	49	423372	106.91	ppb	#	100
20) Chloroform	4.23	83	1219833	112.44	ppb		100
21) 1,1,1-Trichloroethane	4.39	97	1063832	118.53	ppb		99
22) 1,1-Dichloropropylene	4.53	75	938160	100.52	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14378.D Vial: 9
Acq On : 4 Jun 2004 4:50 pm Operator: SS
Sample : 100ppb VOA CALIBRATION STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:04 19104 Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.54	117	918178	110.58	ppb		100
25) 1,2-Dichloroethane	4.73	62	562304	113.94	ppb		100
26) Benzene	4.71	78	2436723	109.50	ppb		99
28) Trichloroethylene	5.29	95	752784	106.00	ppb		99
29) Dibromomethane	5.61	93	351675	103.20	ppb		98
30) Methyl Methacrylate	5.62	69	229955	95.84	ppb		99
31) Bromodichloromethane	5.76	83	807987	105.47	ppb		100
32) 1,2-Dichloropropane	5.50	63	551723	100.18	ppb		99
33) cis-1,3-Dichloropropene	6.18	75	865149	104.85	ppb		99
34) 2-Hexanone	7.16	43	197381	89.87	ppb		100
36) Toluene	6.50	91	2481386	103.80	ppb		99
37) trans-1,3-Dichloropropene	6.72	75	694471	105.39	ppb		100
38) 1,1,2-Trichloroethane	6.89	83	357436	99.45	ppb		99
39) 1,3-Dichloropropane	7.06	76	697627	99.21	ppb	#	100
40) Tetrachloroethylene	7.04	166	814243	110.67	ppb		99
41) 4-Methyl-2-Pentanone	6.33	43	300021	93.23	ppb		100
42) Dibromochloromethane	7.28	129	538960	107.15	ppb		99
43) 1,2-Dibromoethane	7.39	107	407830	102.40	ppb		99
44) Chlorobenzene	7.90	112	1600565	105.47	ppb		98
45) Ethyl Benzene	8.02	91	2812634	104.09	ppb		100
46) p- & m-Xylenes	8.14	91	3935630	204.18	ppb		100
47) o-Xylene	8.56	91	1989161	101.95	ppb		100
48) Styrene	8.58	104	1556699	101.04	ppb		100
49) 1,1,1,2-Tetrachloroethane	7.99	131	544731	106.71	ppb		100
51) Bromoform	8.76	173	312713	104.05	ppb	#	76
53) 1,1,2,2-Tetrachloroethane	9.29	83	503164	90.43	ppb	#	100
54) 1,2,3-Trichloropropane	9.32	110	129722	97.10	ppb		97
55) Isopropylbenzene	10.20	105	3110357	102.57	ppb	#	100
56) 1,2-Dibromo-3-Chloropropan	11.68	75	56314	92.07	ppb		96
57) Bromobenzene	9.27	77	1035042	94.47	ppb		97
58) n-Propylbenzene	9.40	91	3540233	101.40	ppb		100
59) 2-Chlorotoluene	9.49	91	1895921	99.86	ppb	#	100
60) 4-Chlorotoluene	9.61	91	1988550	95.17	ppb	#	92
61) tert-Butylbenzene	9.95	119	1889237	99.44	ppb	#	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14378.D
Acq On : 4 Jun 2004 4:50 pm
Sample : 100ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:04 19104

Vial: 9
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62) 1,3,5-trimethylbenzene	8.96	105	2684496	100.10	ppb		100
63) 1,2,4-trimethylbenzene	10.01	105	1973893	101.74	ppb		100
64) sec-Butylbenzene	10.20	105	3109790	102.48	ppb		100
65) 1,3-Dichlorobenzene	10.31	146	1214541	101.54	ppb	#	82
66) 1,4-Dichlorobenzene	10.40	146	1146859	96.46	ppb	#	96
67) 1,2-Dichlorobenzene	10.81	146	991200	99.14	ppb	#	100
68) p-Isopropyltoluene	10.37	119	2295242	103.80	ppb	#	96
69) n-Butylbenzene	10.82	91	2255796	101.42	ppb		100
70) 1,2,4-Trichlorobenzene	12.62	180	618775	100.92	ppb		99
71) Naphthalene	12.88	128	912635	95.96	ppb		100
72) Hexachloro-1,3-Butadiene	12.82	225	329755	102.45	ppb	#	100
73) 1,2,3-Trichlorobenzene	13.16	182	513378	101.65	ppb		99

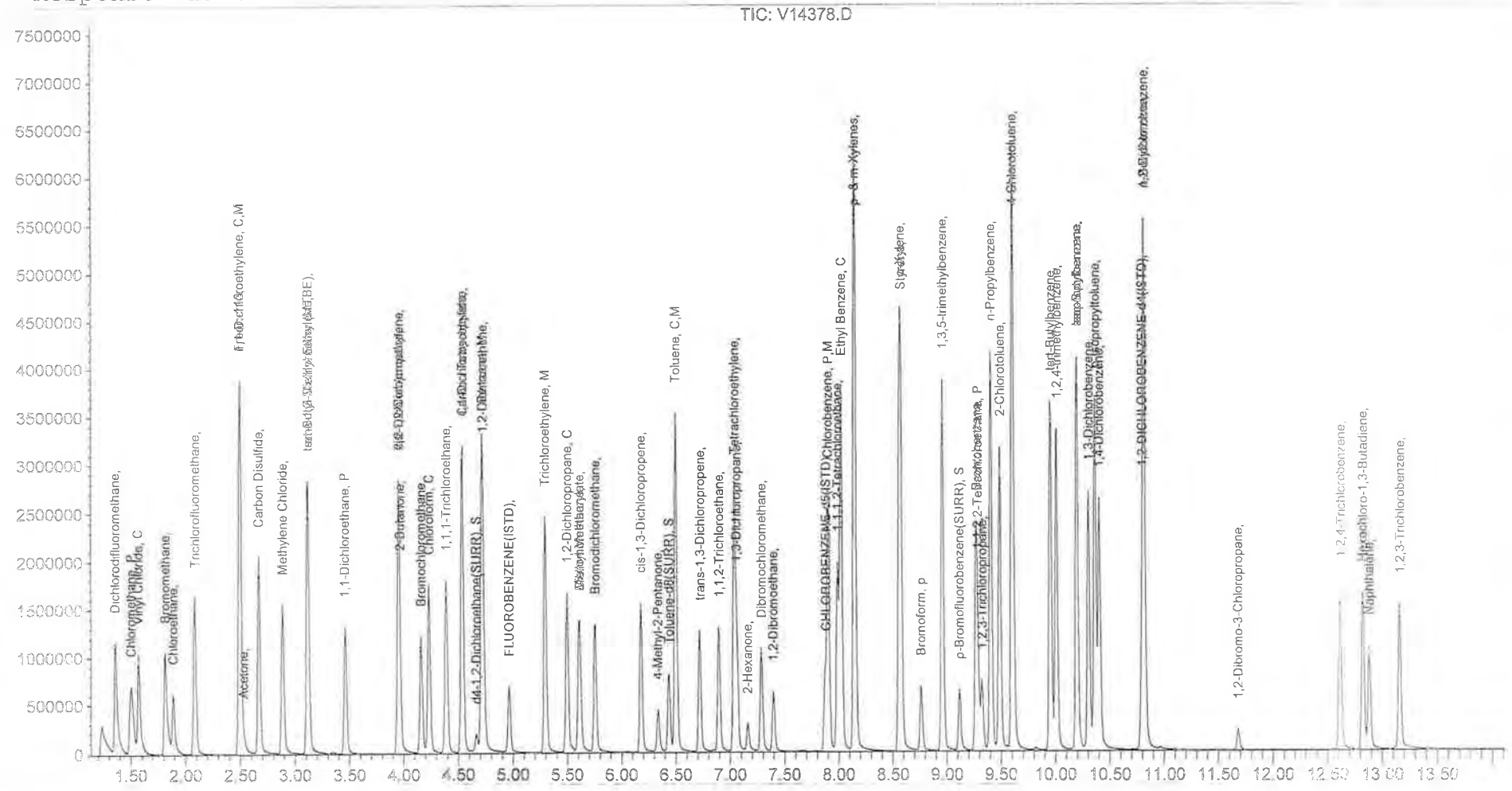
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14378.D
Acq On : 4 Jun 2004 4:50 pm
Sample : 100ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:04 19104

Vial: 9
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14380.D
Acq On : 4 Jun 2004 5:30 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:45 19104

Vial: 11
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	111032	50.00	ppb		-0.03
27) CHLOROBENZENE-d5(ISTD)	7.87	117	455569	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	182590	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.67	65	106585	52.60	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 105.20%				
35) Toluene-d8(SURR)	6.43	98	497824	48.03	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 96.06%				
52) p-Bromofluorobenzene(SURR)	9.12	174	198129	51.00	ppb		-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	2124625	456.43	ppb		100
3) Chloromethane	1.50	50	2060366	278.66	ppb		100
4) Vinyl Chloride	1.57	62	2084268	257.12	ppb		99
5) Bromomethane	1.82	94	1538219	256.33	ppb		100
6) Chloroethane	1.89	64	1045344	228.39	ppb		100
7) Trichlorofluoromethane	2.09	101	2496446	249.31	ppb		100
8) Freon-113	2.50	101	1948966	208.77	ppb		97
9) 1,1-Dichloroethylene	2.49	61	1869966	210.83	ppb		99
10) trans-1,2-Dichloroethylene	3.11	61	1741447	211.16	ppb		98
11) Carbon Disulfide	2.67	76	5197401	214.60	ppb		100
12) Methylene Chloride	2.89	49	1567826	122.63	ppb		99
13) tert-Butyl Methyl Ether (M	3.12	73	2435314	224.49	ppb		100
14) Acetone	2.53	43	212720	147.75	ppb	#	100
15) 1,1-Dichloroethane	3.47	63	2201914	215.66	ppb		100
16) cis-1,2-Dichloroethylene	3.95	96	1540205	218.93	ppb	#	100
17) 2-Butanone	3.97	72	90932	253.07	ppb		100
18) 2,2-Dichloropropane	3.95	77	1955759	231.50	ppb		100
19) Bromochloromethane	4.16	49	894399	221.37	ppb	#	100
20) Chloroform	4.23	83	2493141	225.25	ppb		100
21) 1,1,1-Trichloroethane	4.39	97	2186918	238.82	ppb		100
22) 1,1-Dichloropropylene	4.54	75	2064805	216.85	ppb		99

(#) = qualifier out of range (m) = manual integration

000047

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14380.D
Acq On : 4 Jun 2004 5:30 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:45 19104

Vial: 11
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.54	117	2065492	243.83	ppb		100
25) 1,2-Dichloroethane	4.73	62	1154765	229.35	ppb		100
26) Benzene	4.71	78	4688600	206.52	ppb		99
28) Trichloroethylene	5.30	95	1521483	208.31	ppb		98
29) Dibromomethane	5.60	93	760175	216.89	ppb		97
30) Methyl Methacrylate	5.62	69	537759	217.92	ppb		99
31) Bromodichloromethane	5.75	83	1699816	215.73	ppb		100
32) 1,2-Dichloropropane	5.50	63	1129109	199.35	ppb		98
33) cis-1,3-Dichloropropene	6.18	75	1832111	215.88	ppb		100
34) 2-Hexanone	7.16	43	512190	226.76	ppb		100
36) Toluene	6.50	91	4878668	198.42	ppb		99
37) trans-1,3-Dichloropropene	6.72	75	1505364	222.12	ppb		100
38) 1,1,2-Trichloroethane	6.90	83	775493	209.79	ppb		99
39) 1,3-Dichloropropane	7.06	76	1491309	206.20	ppb	#	86
40) Tetrachloroethylene	7.04	166	1674793	221.33	ppb		99
41) 4-Methyl-2-Pentanone	6.34	43	741723	224.11	ppb		99
42) Dibromochloromethane	7.29	129	1188203	229.69	ppb		99
43) 1,2-Dibromoethane	7.40	107	904392	220.79	ppb		99
44) Chlorobenzene	7.90	112	3207292	205.50	ppb		99
45) Ethyl Benzene	8.02	91	5411570	194.72	ppb		100
46) p- & m-Xylenes	8.15	91	7491647	377.90	ppb		99
47) o-Xylene	8.56	91	3811901	189.96	ppb		100
48) Styrene	8.58	104	3042676	192.02	ppb		100
49) 1,1,1,2-Tetrachloroethane	7.99	131	1153266	219.66	ppb		100
51) Bromoform	8.76	173	717297	235.88	ppb	#	76
53) 1,1,2,2-Tetrachloroethane	9.29	83	1106368	196.52	ppb	#	100
54) 1,2,3-Trichloropropane	9.32	110	290465	214.90	ppb		68
55) Isopropylbenzene	10.20	105	6072723	197.92	ppb	#	97
56) 1,2-Dibromo-3-Chloropropan	11.68	75	140545	227.11	ppb		95
57) Bromobenzene	9.27	77	2071250	186.85	ppb		96
58) n-Propylbenzene	9.41	91	6862400	194.26	ppb		100
59) 2-Chlorotoluene	9.49	91	3723127	193.82	ppb	#	99
60) 4-Chlorotoluene	9.61	91	3846483	181.93	ppb	#	92
61) tert-Butylbenzene	9.95	119	3670562	190.95	ppb	#	99

(#) = qualifier out of range (m) = manual integration

000048

Data File : C:\HPCHEM\1\DATA\V14380.D
Acq On : 4 Jun 2004 5:30 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:45 19104

Vial: 11
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	1,3,5-trimethylbenzene	8.96	105	5215133	192.19	ppb		100
63)	1,2,4-trimethylbenzene	10.01	105	3897012	198.52	ppb	#	95
64)	sec-Butylbenzene	10.20	105	6084357	198.16	ppb		100
65)	1,3-Dichlorobenzene	10.31	146	2437581	201.42	ppb	#	82
66)	1,4-Dichlorobenzene	10.41	146	2324022	193.20	ppb	#	96
67)	1,2-Dichlorobenzene	10.81	146	2014801	199.18	ppb	#	100
68)	p-Isopropyltoluene	10.36	119	4471831	199.87	ppb	#	96
69)	n-Butylbenzene	10.82	91	4243057	188.54	ppb		99
70)	1,2,4-Trichlorobenzene	12.61	180	1338745	215.81	ppb		99
71)	Naphthalene	12.88	128	2123911	220.72	ppb		100
72)	Hexachloro-1,3-Butadiene	12.83	225	746830	229.32	ppb	#	100
73)	1,2,3-Trichlorobenzene	13.16	182	1096146	214.51	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

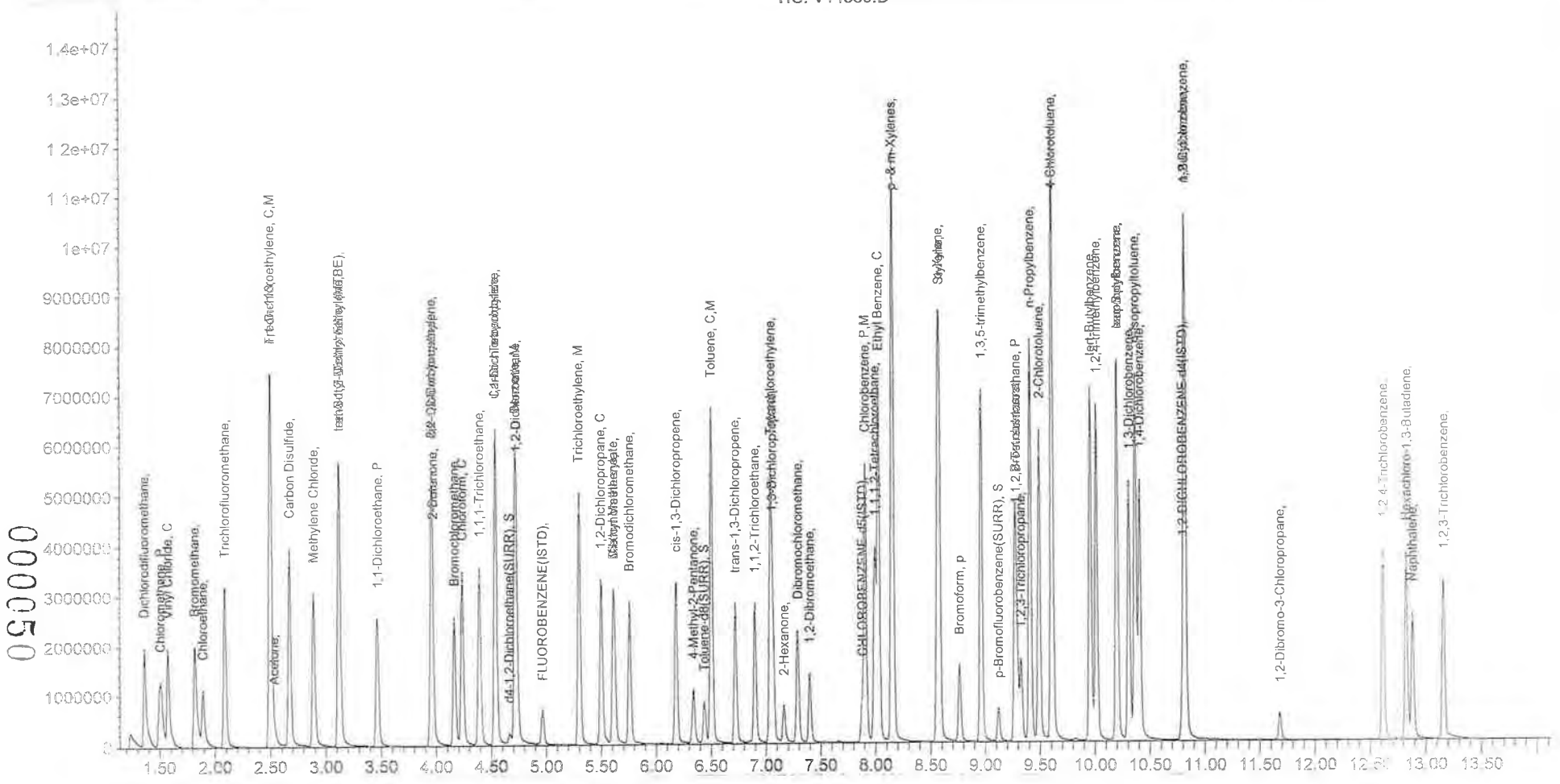
Data File : C:\HPCHEM\1\DATA\V14380.D
Acq On : 4 Jun 2004 5:30 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 17:45 19104

Vial: 11
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration

TIC: V14380.D



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		FLUOROBENZENE(ISTD)	1.000	1.000	0.0	102	0.00
2		Dichlorodifluoromethane	5.180	5.844	-12.8	105	-0.01
3	P	Chloromethane	4.787	5.242	-9.5	106	-0.01
4	C	Vinyl Chloride	4.734	5.221	-10.3	108	-0.01
5		Bromomethane	3.354	3.357	-0.1	97	-0.01
6		Chloroethane	2.407	2.453	-1.9	101	-0.01
7		Trichlorofluoromethane	5.597	5.884	-5.1	105	-0.01
8		Freon-113	4.312	4.672	-8.3	104	-0.01
9	C,M	1,1-Dichloroethylene	4.266	4.526	-6.1	103	-0.01
10		trans-1,2-Dichloroethylene	3.934	4.174	-6.1	103	0.00
11		Carbon Disulfide	11.210	12.130	-8.2	104	-0.01
12		Methylene Chloride	3.756	3.735	0.6	102	-0.01
13		tert-Butyl Methyl Ether (MT	4.922	5.473	-11.2	106	0.00
14		Acetone	0.467	0.416	10.9	95	0.00
15	P	1,1-Dichloroethane	4.820	5.170	-7.3	106	0.00
16		cis-1,2-Dichloroethylene	3.376	3.696	-9.5	107	0.00
17		2-Butanone	0.166	0.197	-18.7	115	0.00
18		2,2-Dichloropropane	4.262	4.514	-5.9	103	0.00
19		Bromochloromethane	1.871	1.958	-4.6	103	0.00
20	C	Chloroform	5.416	5.796	-7.0	107	0.00
21		1,1,1-Trichloroethane	4.659	5.016	-7.7	106	0.00
22		1,1-Dichloropropylene	4.302	4.471	-3.9	94	0.00
23	S	d4-1,2-Dichloroethane(SURR)	0.962	1.007	-4.7	106	0.00
24		Carbon Tetrachloride	4.146	4.264	-2.8	93	0.00
25		1,2-Dichloroethane	2.506	2.767	-10.4	107	0.00
26	M	Benzene	10.808	11.726	-8.5	105	0.00
27		CHLOROBENZENE-d5(ISTD)	1.000	1.000	0.0	104	0.00
28	M	Trichloroethylene	0.807	0.846	-4.8	107	0.00
29		Dibromomethane	0.382	0.411	-7.6	108	0.00
30		Methyl Methacrylate	0.247	0.265	-7.3	103	0.00
31		Bromodichloromethane	0.866	0.907	-4.7	106	0.00
32	C	1,2-Dichloropropane	0.594	0.612	-3.0	103	0.00
33		cis-1,3-Dichloropropene	0.920	0.967	-5.1	106	0.00

(#) = Out of Range

000051

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
4		2-Hexanone	0.225	0.240	-6.7	108	0.00
5	S	Toluene-d8(SURR)	1.098	1.089	0.8	105	0.00
6	C,M	Toluene	2.665	2.812	-5.5	106	0.00
7		trans-1,3-Dichloropropene	0.735	0.779	-6.0	105	0.00
8		1,1,2-Trichloroethane	0.397	0.415	-4.5	105	0.00
9		1,3-Dichloropropane	0.773	0.822	-6.3	106	0.00
0		Tetrachloroethylene	0.874	0.904	-3.4	105	0.00
1		4-Methyl-2-Pentanone	0.338	0.355	-5.0	105	0.00
2		Dibromochloromethane	0.574	0.624	-8.7	110	0.00
3		1,2-Dibromoethane	0.450	0.479	-6.4	107	0.00
4	P,M	Chlorobenzene	1.720	1.790	-4.1	105	0.00
5	C	Ethyl Benzene	3.006	3.185	-6.0	105	0.00
6		p- & m-Xylenes	2.154	2.306	-7.1	105	0.00
7		o-Xylene	2.135	2.357	-10.4	109	0.00
8		Styrene	1.658	1.875	-13.1	110	0.00
9		1,1,1,2-Tetrachloroethane	0.585	0.614	-5.0	107	0.00
0		1,2-DICHLOROBENZENE-d4(ISTD	1.000	1.000	0.0	106	0.00
1	p	Bromoform	0.831	0.880	-5.9	107	0.00
2	S	p-Bromofluorobenzene(SURR)	1.082	1.071	1.0	104	0.00
3	P	1,1,2,2-Tetrachloroethane	1.418	1.520	-7.2	107	0.00
4		1,2,3-Trichloropropane	0.362	0.380	-5.0	106	0.00
5		Isopropylbenzene	8.099	8.577	-5.9	105	-0.01
6		1,2-Dibromo-3-Chloropropane	0.153	0.158	-3.3	104	0.00
7		Bromobenzene	2.741	2.968	-8.3	106	0.00
8		n-Propylbenzene	9.313	9.724	-4.4	104	0.00
9		2-Chlorotoluene	5.035	5.284	-4.9	106	0.00
0		4-Chlorotoluene	5.321	5.600	-5.2	106	0.00
1		tert-Butylbenzene	4.834	5.599	-15.8	115	0.00
2		1,3,5-trimethylbenzene	7.026	7.663	-9.1	109	0.00
3		1,2,4-trimethylbenzene	5.157	5.401	-4.7	104	0.00
4		sec-Butylbenzene	8.083	8.572	-6.0	105	-0.01
5		1,3-Dichlorobenzene	3.229	3.296	-2.1	104	-0.01
6		1,4-Dichlorobenzene	3.105	3.141	-1.2	104	0.00

(#) = Out of Range

000052

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
7	1,2-Dichlorobenzene	2.679	2.736	-2.1	103	0.00
8	p-Isopropyltoluene	5.915	6.239	-5.5	104	0.00
9	n-Butylbenzene	5.860	6.148	-4.9	103	0.00
0	1,2,4-Trichlorobenzene	1.595	1.634	-2.4	101	0.00
1	Naphthalene	2.286	2.328	-1.8	102	0.00
2	Hexachloro-1,3-Butadiene	0.884	0.920	-4.1	104	0.00
3	1,2,3-Trichlorobenzene	1.320	1.331	-0.8	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:18 19104

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	108713	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.87	117	460933	50.00	ppb		0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	190006	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.67	65	109436	52.31	ppb		0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 104.62%				
35) Toluene-d8(SURR)	6.44	98	501856	49.57	ppb		0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 99.14%				
52) p-Bromofluorobenzene(SURR)	9.11	174	203426	49.49	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 98.98%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	635280	56.41	ppb		100
3) Chloromethane	1.50	50	569824	54.74	ppb		100
4) Vinyl Chloride	1.57	62	567545	55.14	ppb		100
5) Bromomethane	1.82	94	364966	50.04	ppb		97
6) Chloroethane	1.89	64	266694	50.96	ppb		99
7) Trichlorofluoromethane	2.09	101	639673	52.57	ppb		100
8) Freon-113	2.50	101	507942	54.18	ppb		98
9) 1,1-Dichloroethylene	2.49	61	492019	53.05	ppb		99
10) trans-1,2-Dichloroethylene	3.12	61	453747	53.05	ppb		99
11) Carbon Disulfide	2.67	76	1318666	54.10	ppb		100
12) Methylene Chloride	2.89	49	405997	49.71	ppb		99
13) tert-Butyl Methyl Ether (M	3.12	73	595012	55.60	ppb		100
14) Acetone	2.54	43	45190	44.51	ppb		100
15) 1,1-Dichloroethane	3.46	63	561997	53.62	ppb		100
16) cis-1,2-Dichloroethylene	3.96	96	401836	54.74	ppb	#	100
17) 2-Butanone	3.98	72	21367	59.11	ppb		90
18) 2,2-Dichloropropane	3.95	77	490729	52.95	ppb		100
19) Bromochloromethane	4.16	49	212858	52.33	ppb		96
20) Chloroform	4.24	83	630060	53.51	ppb		99
21) 1,1,1-Trichloroethane	4.39	97	545330	53.83	ppb		100
22) 1,1-Dichloropropylene	4.54	75	486052	51.96	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:18 19104

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.54	117	463604	51.42	ppb		99
25) 1,2-Dichloroethane	4.73	62	300775	55.21	ppb		100
26) Benzene	4.71	78	1274742	54.24	ppb		100
28) Trichloroethylene	5.30	95	389762	52.40	ppb		100
29) Dibromomethane	5.61	93	189349	53.75	ppb		100
30) Methyl Methacrylate	5.62	69	122375	53.76	ppb		100
31) Bromodichloromethane	5.76	83	417992	52.39	ppb		100
32) 1,2-Dichloropropane	5.50	63	281912	51.45	ppb		99
33) cis-1,3-Dichloropropene	6.18	75	445694	52.55	ppb		99
34) 2-Hexanone	7.16	43	110420	53.27	ppb		98
36) Toluene	6.50	91	1296093	52.76	ppb		100
37) trans-1,3-Dichloropropene	6.72	75	359076	53.03	ppb		100
38) 1,1,2-Trichloroethane	6.89	83	191182	52.30	ppb		99
39) 1,3-Dichloropropane	7.06	76	378721	53.13	ppb	#	100
40) Tetrachloroethylene	7.04	166	416637	51.73	ppb		100
41) 4-Methyl-2-Pentanone	6.34	43	163528	52.54	ppb		100
42) Dibromochloromethane	7.28	129	287486	54.29	ppb		99
43) 1,2-Dibromoethane	7.39	107	221009	53.26	ppb		99
44) Chlorobenzene	7.90	112	825110	52.05	ppb		99
45) Ethyl Benzene	8.02	91	1468243	52.98	ppb		100
46) p- & m-Xylenes	8.14	91	2125465	107.05	ppb		99
47) o-Xylene	8.56	91	1086349	55.19	ppb		100
48) Styrene	8.58	104	864353	56.55	ppb		100
49) 1,1,1,2-Tetrachloroethane	7.99	131	282985	52.45	ppb		99
51) Bromoform	8.76	173	167121	52.91	ppb	#	100
53) 1,1,2,2-Tetrachloroethane	9.28	83	288817	53.59	ppb		100
54) 1,2,3-Trichloropropane	9.32	110	72244	52.52	ppb		87
55) Isopropylbenzene	10.19	105	1629741	52.95	ppb	#	100
56) 1,2-Dibromo-3-Chloropropan	11.68	75	30026	51.59	ppb		98
57) Bromobenzene	9.26	77	563932	54.15	ppb		100
58) n-Propylbenzene	9.40	91	1847543	52.20	ppb		100
59) 2-Chlorotoluene	9.49	91	1004078	52.48	ppb	#	100
60) 4-Chlorotoluene	9.60	91	1064064	52.62	ppb	#	100
61) tert-Butylbenzene	9.95	119	1063845	57.91	ppb	#	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:18 19104

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	1,3,5-trimethylbenzene	8.96	105	1455999	54.53	ppb		100
63)	1,2,4-trimethylbenzene	10.00	105	1026156	52.36	ppb		98
64)	sec-Butylbenzene	10.19	105	1628766	53.02	ppb		100
65)	1,3-Dichlorobenzene	10.30	146	626241	51.04	ppb	#	99
66)	1,4-Dichlorobenzene	10.40	146	596784	50.58	ppb	#	100
67)	1,2-Dichlorobenzene	10.81	146	519908	51.07	ppb	#	69
68)	p-Isopropyltoluene	10.36	119	1185526	52.74	ppb	#	90
69)	n-Butylbenzene	10.82	91	1168145	52.46	ppb		100
70)	1,2,4-Trichlorobenzene	12.61	180	310386	51.20	ppb		99
71)	Naphthalene	12.88	128	442369	50.93	ppb	#	97
72)	Hexachloro-1,3-Butadiene	12.82	225	174808	52.02	ppb	#	100
73)	1,2,3-Trichlorobenzene	13.16	182	252928	50.42	ppb		99

(#) = qualifier out of range (m) = manual integration

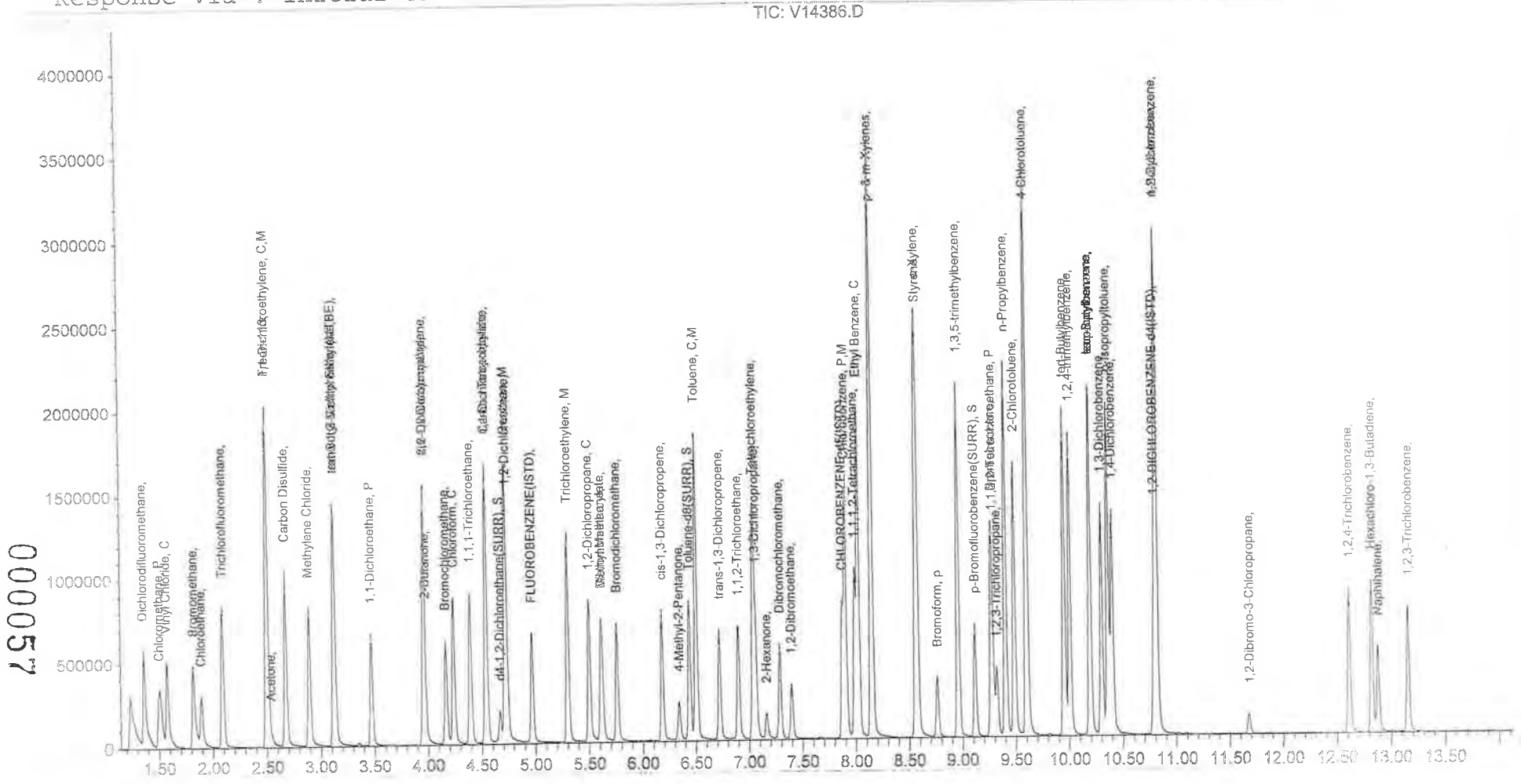
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:18 19104

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

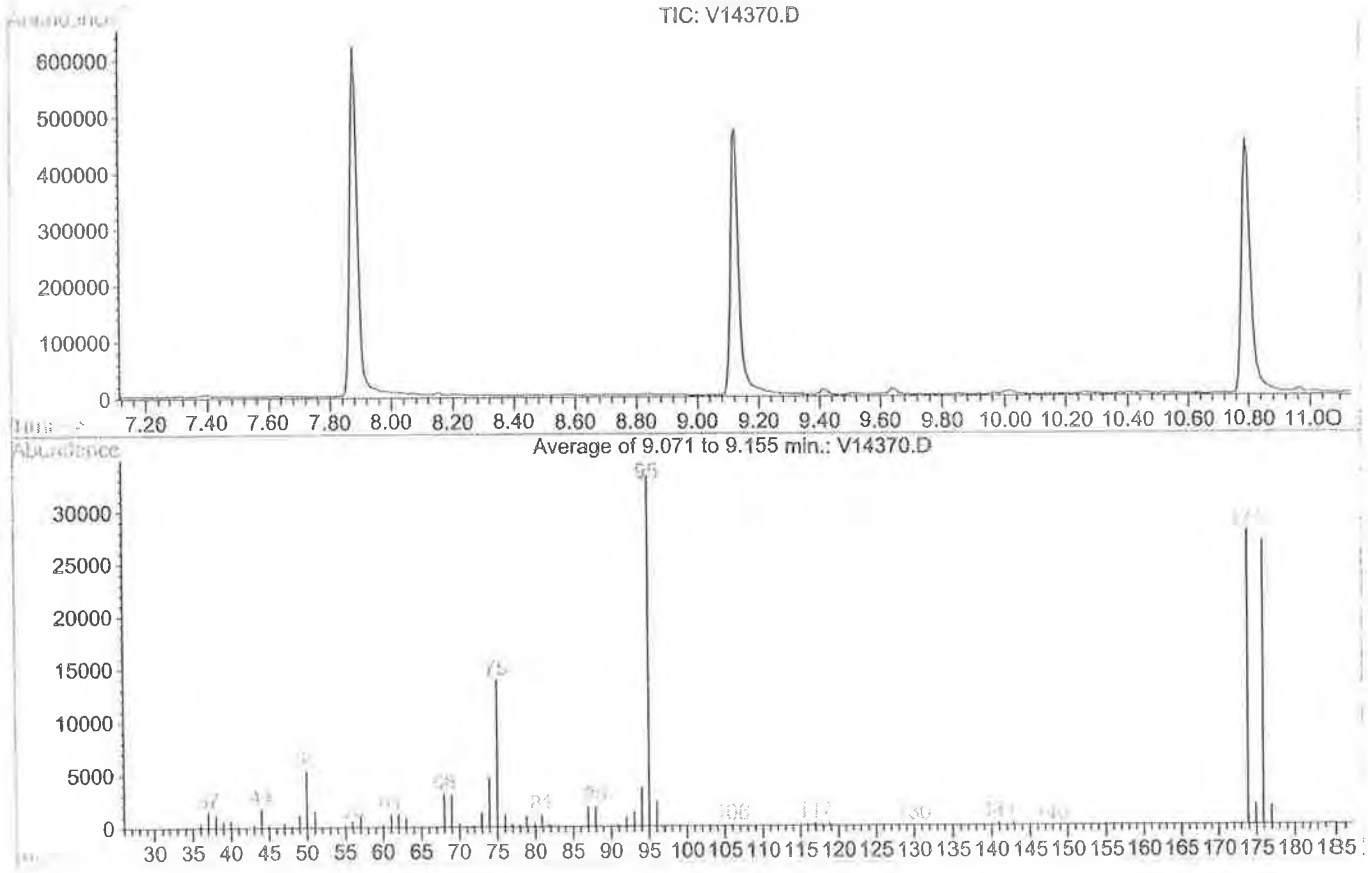
Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V14370.D
Acq On : 4 Jun 2004 2:03 pm
Sample : MBLK
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Method : C \HPCHEM\1\METHODS\V1C135A.M (RTE integrator)
Title : VOCs BY GC/MS EPA SW846-8260

Vial: 1
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

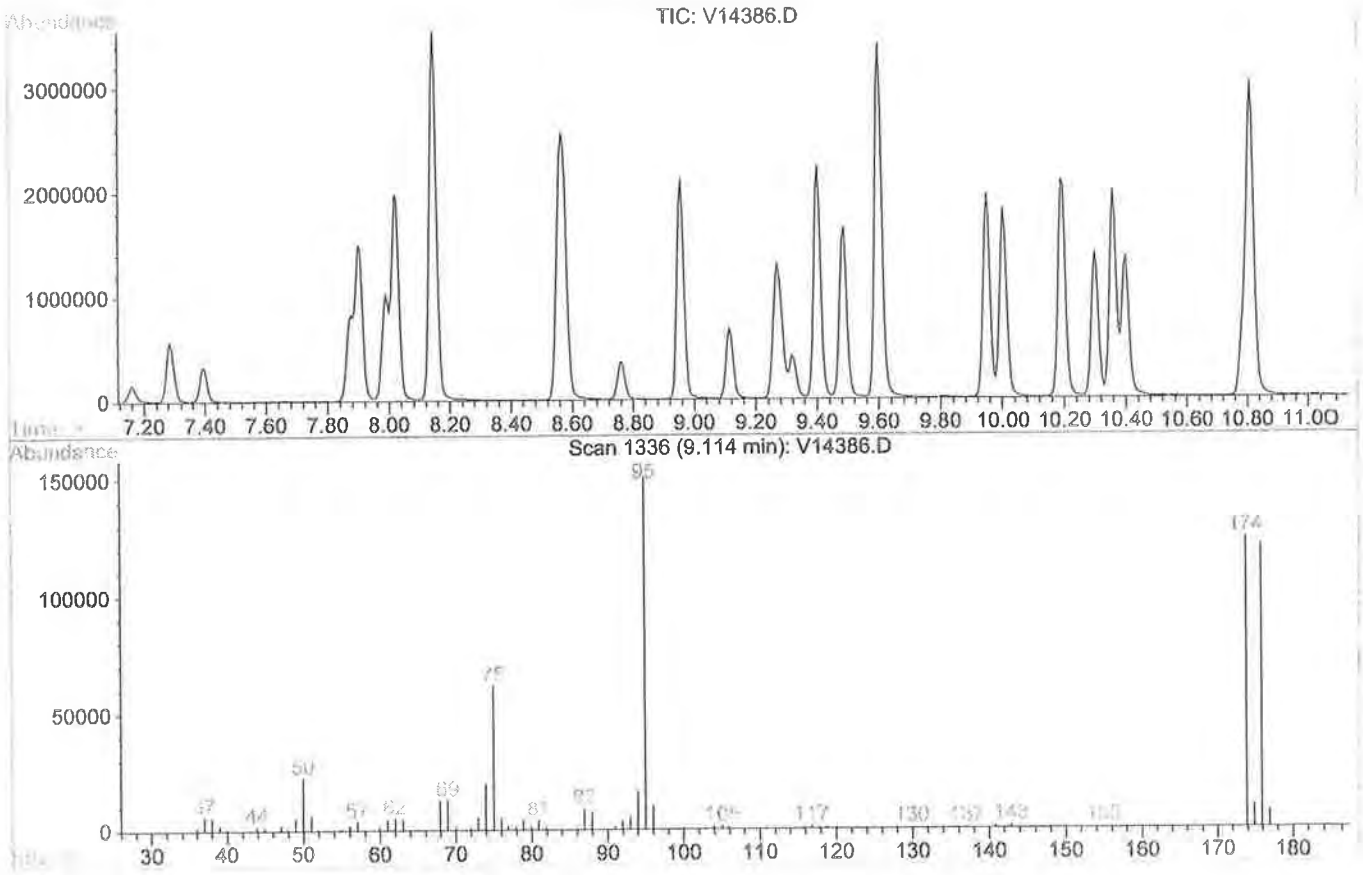


Spectrum Information: Average of 9.071 to 9.155 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	15.9	5276	PASS
75	95	30	60	41.8	13889	PASS
95	95	100	100	100.0	33237	PASS
96	95	5	9	7.0	2342	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.1	27952	PASS
175	174	5	9	7.0	1957	PASS
176	174	95	101	96.4	26932	PASS
177	176	5	9	6.7	1802	PASS

Data File : C:\HPCHEM\1\DATA\V14386.D
Acq On : 4 Jun 2004 7:32 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260

Vial: 17
Operator: SS
Inst : VOA No.1
Multiplr: 1.00



Spectrum Information: Scan 1336

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	14.9	22472	PASS
75	95	30	60	40.9	61424	PASS
95	95	100	100	100.0	150336	PASS
96	95	5	9	6.6	9905	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.3	123752	PASS
175	174	5	9	7.6	9414	PASS
176	174	95	101	97.5	120608	PASS
177	176	5	9	6.0	7184	PASS

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14370.D Vial: 1
Acq On : 4 Jun 2004 2:03 pm Operator: SS
Sample : MBLK Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 14:29 19104 Quant Results File: V1C134A.RBS

Quant Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	4.97	70	103395	50.00	ppb	-0.02
27) CHLOROBENZENE-d5(ISTD)	7.88	117	372193	50.00	ppb	-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	147732	50.00	ppb	-0.02
System Monitoring Compounds						
23) d4-1,2-Dichloroethane(SURR	4.68	65	101856	53.98	ppb	-0.01
Spiked Amount 50.000	Range 64 - 122		Recovery = 107.96%			
35) Toluene-d8(SURR)	6.44	98	427935	50.54	ppb	-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 101.08%			
52) p-Bromofluorobenzene(SURR)	9.12	174	158319	50.37	ppb	-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 100.74%			
Target Compounds						Qvalue
12) Methylene Chloride	2.89	49	24382	2.05	ppb	99
14) Acetone	2.62	43	13189	9.84	ppb #	100
20) Chloroform	4.24	83	11926	1.16	ppb	99

(#) = qualifier out of range (m) = manual integration

000060

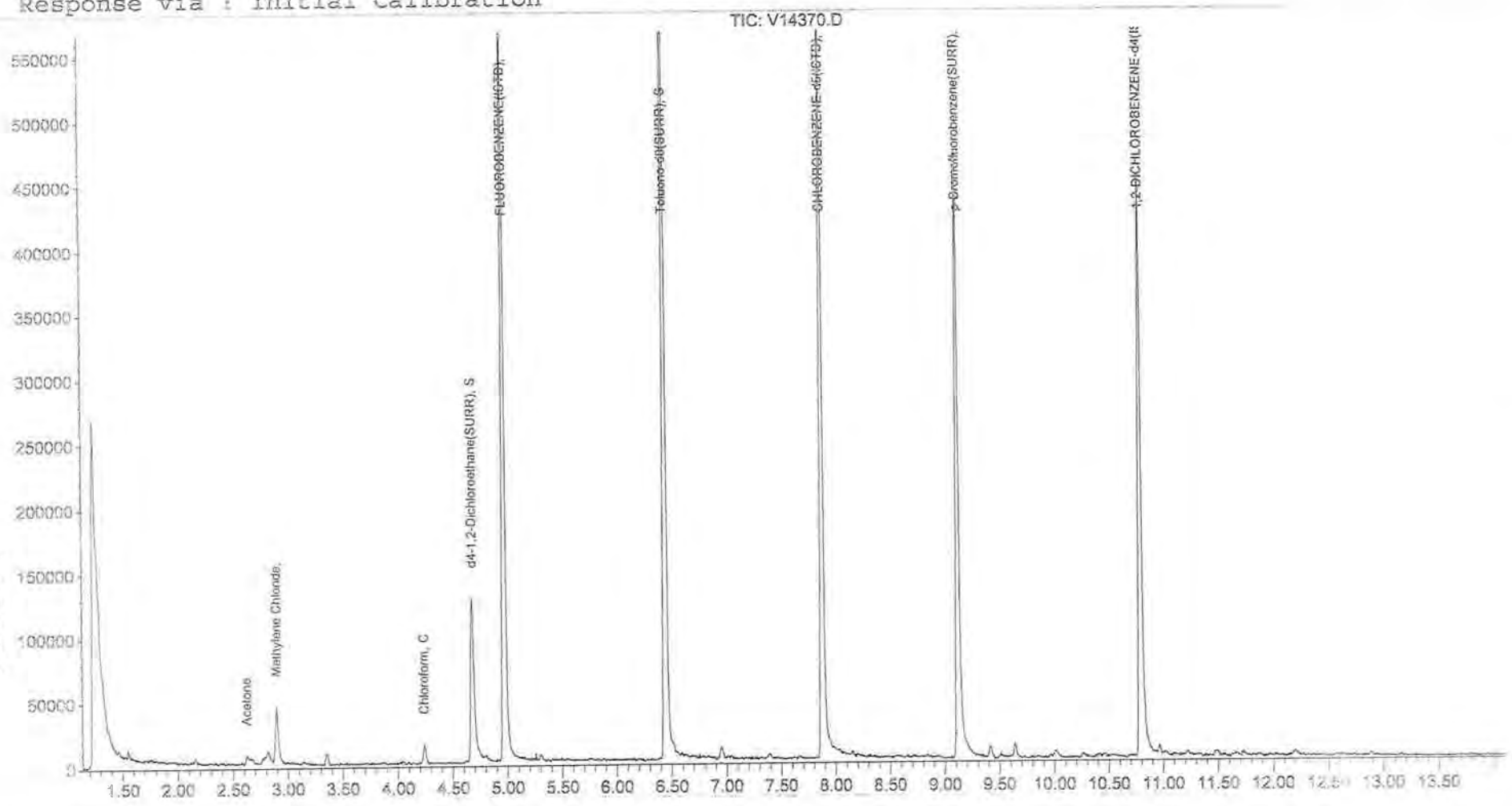
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14370.D
Acq On : 4 Jun 2004 2:03 pm
Sample : MBLK
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 4 14:29 19104

Vial: 1
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134A.RES

Method : C:\HPCHEM\1\METHODS\V1C134A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:28:29 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14390.D
Acq On : 4 Jun 2004 8:53 pm
Sample : VOA METHOD BLANK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104

Vial: 21
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.97	70	106006	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.88	117	380739	50.00	ppb		0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	150223	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.67	65	101969	49.98	ppb		0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 99.96%				
35) Toluene-d8(SURR)	6.44	98	444599	53.16	ppb		0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 106.32%				
52) p-Bromofluorobenzene(SURR)	9.12	174	164735	50.69	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 101.38%				
Target Compounds							Qvalue
12) Methylene Chloride	2.89	49	21043	2.64	ppb		96
14) Acetone	2.61	43	6650	6.72	ppb	#	89
71) Naphthalene	12.88	128	8163	1.19	ppb	#	96
73) 1,2,3-Trichlorobenzene	13.16	182	3977	1.00	ppb	#	97

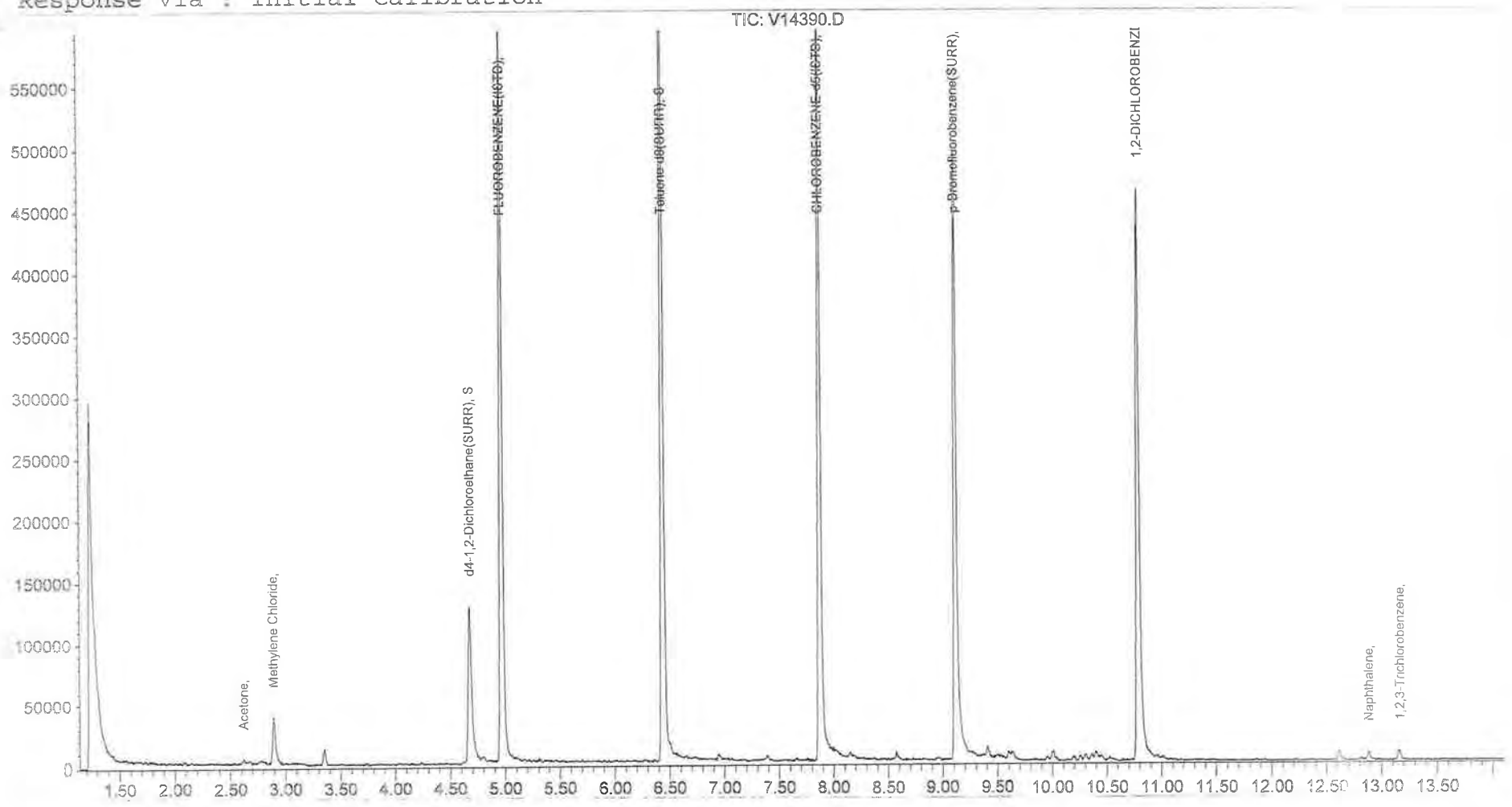
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14390.D
Acq On : 4 Jun 2004 8:53 pm
Sample : VOA METHOD BLANK STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104

Vial: 21
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14394.D Vial: 25
Acq On : 4 Jun 2004 10:15 pm Operator: SS
Sample : VOA MS STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104 Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	107654	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.87	117	422423	50.00	ppb		0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	169941	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.66	65	99615	48.08	ppb		-0.01
Spiked Amount 50.000	Range 64 - 122		Recovery = 96.16%				
35) Toluene-d8(SURR)	6.44	98	468226	50.46	ppb		0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 100.92%				
52) p-Bromofluorobenzene(SURR)	9.11	174	184401	50.16	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 100.32%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.49	61	537954	58.57	ppb		99
10) trans-1,2-Dichloroethylene	3.11	61	467860	55.24	ppb		100
12) Methylene Chloride	2.89	49	400536	49.52	ppb		99
14) Acetone	2.55	43	4129	4.11	ppb	#	95
15) 1,1-Dichloroethane	3.46	63	580497	55.93	ppb		100
19) Bromochloromethane	4.23	49	45897	11.40	ppb	#	41
20) Chloroform	4.23	83	625873	53.67	ppb		99
21) 1,1,1-Trichloroethane	4.39	97	539482	53.78	ppb		100
24) Carbon Tetrachloride	4.54	117	462435	51.80	ppb		99
25) 1,2-Dichloroethane	4.73	62	281197	52.12	ppb		100
26) Benzene	4.71	78	1293964	55.60	ppb		100
28) Trichloroethylene	5.29	95	381268	55.93	ppb		99
31) Bromodichloromethane	5.76	83	386073	52.80	ppb		100
32) 1,2-Dichloropropane	5.50	63	281279	56.01	ppb		100
33) cis-1,3-Dichloropropene	6.18	75	410388	52.79	ppb		100
36) Toluene	6.50	91	1284903	57.08	ppb		99
37) trans-1,3-Dichloropropene	6.72	75	322650	51.99	ppb		100
38) 1,1,2-Trichloroethane	6.89	83	175114	52.28	ppb		99
40) Tetrachloroethylene	7.04	166	406306	55.05	ppb		100
42) Dibromochloromethane	7.28	129	265594	54.73	ppb		100
44) Chlorobenzene	7.90	112	797947	54.93	ppb		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14394.D
Acq On : 4 Jun 2004 10:15 pm
Sample : VOA MS STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104

Vial: 25
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	Ethyl Benzene	8.02	91	1415166	55.72	ppb		100
46)	p- & m-Xylenes	8.02	91	1415677	77.80	ppb		90
51)	Bromoform	8.76	173	156633	55.45	ppb	#	100
53)	1,1,2,2-Tetrachloroethane	9.28	83	260297	54.00	ppb		99
65)	1,3-Dichlorobenzene	10.30	146	577552	52.63	ppb	#	100
66)	1,4-Dichlorobenzene	10.40	146	555828	52.67	ppb	#	100
67)	1,2-Dichlorobenzene	10.81	146	490680	53.89	ppb	#	69
72)	Hexachloro-1,3-Butadiene	12.82	225	3963	1.32	ppb	#	95

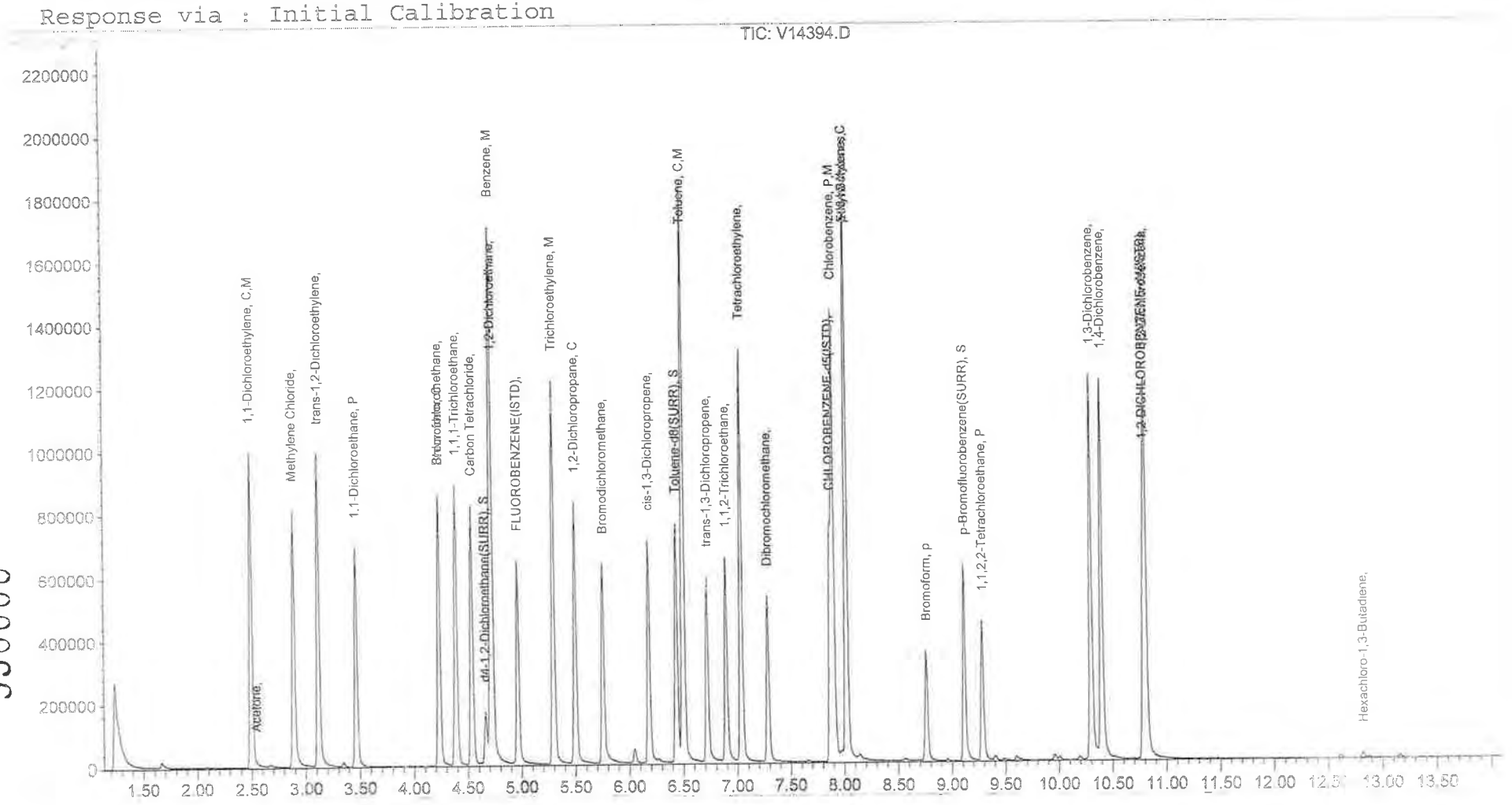
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14394.D
Acq On : 4 Jun 2004 10:15 pm
Sample : VOA MS STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104

Vial: 25
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



990000

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14396.D
Acq On : 4 Jun 2004 10:56 pm
Sample : VOA MSD STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:20 19104

Vial: 27
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	106532	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.87	117	413549	50.00	ppb		-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	157610	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.66	65	97631	47.62	ppb		-0.01
Spiked Amount 50.000	Range 64 - 122		Recovery = 95.24%				
35) Toluene-d8(SURR)	6.43	98	455982	50.20	ppb		-0.01
Spiked Amount 50.000	Range 83 - 114		Recovery = 100.40%				
52) p-Bromofluorobenzene(SURR)	9.11	174	180635	52.98	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 105.96%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.49	61	496220	54.59	ppb		100
10) trans-1,2-Dichloroethylene	3.11	61	435767	51.99	ppb		99
12) Methylene Chloride	2.89	49	390456	48.79	ppb		99
14) Acetone	2.54	43	4832	4.86	ppb		100
15) 1,1-Dichloroethane	3.46	63	559412	54.47	ppb		100
19) Bromochloromethane	4.23	49	44198	11.09	ppb	#	41
20) Chloroform	4.23	83	599345	51.94	ppb		100
21) 1,1,1-Trichloroethane	4.39	97	512929	51.67	ppb		100
24) Carbon Tetrachloride	4.54	117	447315	50.63	ppb		99
25) 1,2-Dichloroethane	4.73	62	280103	52.47	ppb		99
26) Benzene	4.71	78	1244778	54.05	ppb		100
28) Trichloroethylene	5.29	95	361212	54.12	ppb		100
31) Bromodichloromethane	5.75	83	374236	52.28	ppb		100
32) 1,2-Dichloropropane	5.50	63	271538	55.23	ppb		99
33) cis-1,3-Dichloropropene	6.18	75	400179	52.58	ppb		100
36) Toluene	6.50	91	1229298	55.78	ppb		100
37) trans-1,3-Dichloropropene	6.72	75	315736	51.97	ppb		100
38) 1,1,2-Trichloroethane	6.89	83	172934	52.73	ppb		100
40) Tetrachloroethylene	7.04	166	381118	52.74	ppb		100
42) Dibromochloromethane	7.28	129	260583	54.85	ppb		100
44) Chlorobenzene	7.90	112	762297	53.60	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14396.D
Acq On : 4 Jun 2004 10:56 pm
Sample : VOA MSD STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:20 19104

Vial: 27
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45) Ethyl Benzene	8.02	91	1362436	54.79	ppb		100
46) p- & m-Xylenes	8.14	91	24515	1.38	ppb		97
51) Bromoform	8.76	173	152720	58.29	ppb	#	100
53) 1,1,2,2-Tetrachloroethane	9.28	83	237139	53.04	ppb		100
65) 1,3-Dichlorobenzene	10.30	146	533323	52.40	ppb	#	100
66) 1,4-Dichlorobenzene	10.40	146	516881	52.81	ppb	#	100
67) 1,2-Dichlorobenzene	10.80	146	464075	54.95	ppb	#	99
69) n-Butylbenzene	10.81	91	21715	1.18	ppb		99
70) 1,2,4-Trichlorobenzene	12.61	180	5420	1.08	ppb		87
72) Hexachloro-1,3-Butadiene	12.81	225	8063	2.89	ppb	#	97

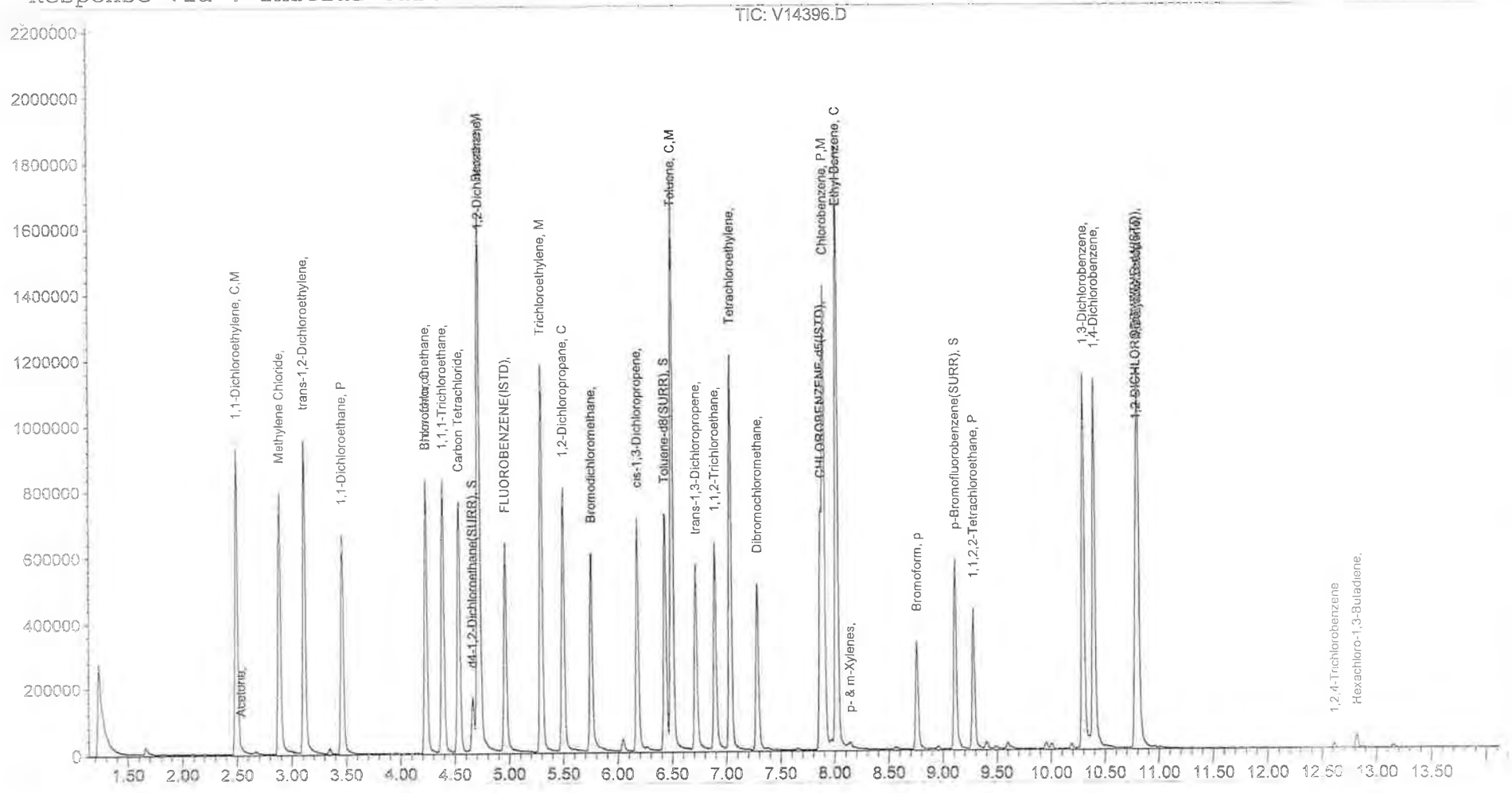
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14396.D
Acq On : 4 Jun 2004 10:56 pm
Sample : VOA MSD STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:20 19104

Vial: 27
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14392.D
Acq On : 4 Jun 2004 9:35 pm
Sample : VOA LCS STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104

Vial: 23
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	100665	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.87	117	429108	50.00	ppb		0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	173032	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.67	65	101749	52.52	ppb		0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 105.04%				
35) Toluene-d8(SURR)	6.44	98	448701	47.61	ppb		0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 95.22%				
52) p-Bromofluorobenzene(SURR)	9.11	174	184150	49.20	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 98.40%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.49	61	477309	55.57	ppb		100
10) trans-1,2-Dichloroethylene	3.12	61	416372	52.57	ppb		99
12) Methylene Chloride	2.89	49	372236	49.22	ppb		99
14) Acetone	2.55	43	4648	4.94	ppb	#	98
15) 1,1-Dichloroethane	3.46	63	523821	53.98	ppb		99
19) Bromochloromethane	4.23	49	41494	11.02	ppb	#	41
20) Chloroform	4.24	83	569238	52.20	ppb		99
21) 1,1,1-Trichloroethane	4.39	97	491363	52.38	ppb		100
24) Carbon Tetrachloride	4.54	117	424577	50.86	ppb		100
25) 1,2-Dichloroethane	4.73	62	270283	53.58	ppb		100
26) Benzene	4.72	78	1150814	52.89	ppb		100
28) Trichloroethylene	5.29	95	341603	49.33	ppb		99
31) Bromodichloromethane	5.76	83	349524	47.05	ppb		100
32) 1,2-Dichloropropane	5.50	63	245301	48.09	ppb		99
33) cis-1,3-Dichloropropene	6.18	75	374462	47.42	ppb		99
36) Toluene	6.50	91	1153536	50.44	ppb		100
37) trans-1,3-Dichloropropene	6.72	75	298303	47.32	ppb		100
38) 1,1,2-Trichloroethane	6.89	83	168262	49.45	ppb		99
40) Tetrachloroethylene	7.04	166	374395	49.93	ppb		100
42) Dibromochloromethane	7.28	129	254987	51.73	ppb		99
44) Chlorobenzene	7.90	112	773613	52.42	ppb		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14392.D
Acq On : 4 Jun 2004 9:35 pm
Sample : VOA LCS STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104

Vial: 23
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	Ethyl Benzene	8.02	91	1388578	53.82	ppb		100
46)	p- & m-Xylenes	8.14	91	45564	2.46	ppb		99
51)	Bromoform	8.76	173	152509	53.03	ppb	#	100
53)	1,1,2,2-Tetrachloroethane	9.28	83	251345	51.21	ppb		100
55)	Isopropylbenzene	10.19	105	36034	1.29	ppb	#	100
61)	tert-Butylbenzene	9.95	119	20685	1.24	ppb	#	98
63)	1,2,4-trimethylbenzene	10.00	105	17814	1.00	ppb		96
64)	sec-Butylbenzene	10.19	105	36236	1.30	ppb		100
65)	1,3-Dichlorobenzene	10.30	146	550429	49.26	ppb	#	100
66)	1,4-Dichlorobenzene	10.40	146	537323	50.01	ppb	#	100
67)	1,2-Dichlorobenzene	10.80	146	474662	51.20	ppb	#	100
68)	p-Isopropyltoluene	10.36	119	29487	1.44	ppb	#	99
69)	n-Butylbenzene	10.81	91	43470	2.14	ppb		98
70)	1,2,4-Trichlorobenzene	12.61	180	10356	1.88	ppb		98
72)	Hexachloro-1,3-Butadiene	12.82	225	11794	3.85	ppb	#	99
73)	1,2,3-Trichlorobenzene	13.16	182	8368	1.83	ppb		97

(#) = qualifier out of range (m) = manual integration

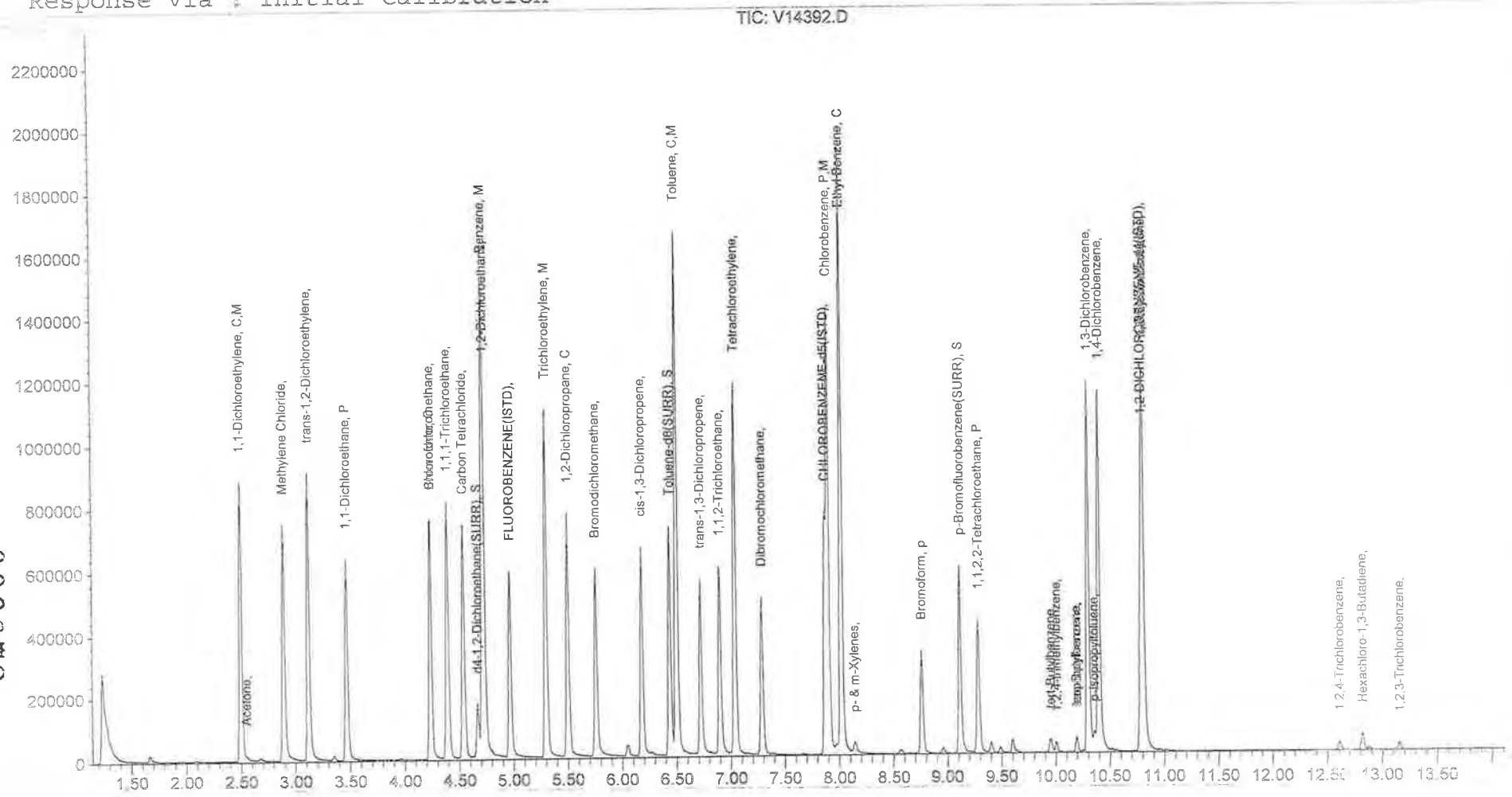
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Data File : C:\HPCHEM\1\DATA\V14392.D
Acq On : 4 Jun 2004 9:35 pm
Sample : VOA LCS STD
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:19 19104

Vial: 23
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14398.D Vial: 29
Acq On : 4 Jun 2004 11:38 pm Operator: SS
Sample : 04050709-01 $8021W ASPB MS Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:20 19104 Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	96499	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.87	117	390704	50.00	ppb		-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	155478	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.66	65	109769	59.11	ppb		-0.01
Spiked Amount 50.000	Range 64 - 122		Recovery = 118.22%				
35) Toluene-d8(SURR)	6.43	98	422589	49.24	ppb		-0.01
Spiked Amount 50.000	Range 83 - 114		Recovery = 98.48%				
52) p-Bromofluorobenzene(SURR)	9.11	174	171349	50.95	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 101.90%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.49	61	492647	59.84	ppb		99
10) trans-1,2-Dichloroethylene	3.11	61	435967	57.42	ppb		100
12) Methylene Chloride	2.88	49	373425	51.51	ppb		98
14) Acetone	2.55	43	11402	12.65	ppb		100
15) 1,1-Dichloroethane	3.46	63	540986	58.15	ppb		100
19) Bromochloromethane	4.23	49	43830	12.14	ppb	#	41
20) Chloroform	4.23	83	587816	56.24	ppb		99
21) 1,1,1-Trichloroethane	4.38	97	512657	57.01	ppb		100
24) Carbon Tetrachloride	4.53	117	435814	54.46	ppb		99
25) 1,2-Dichloroethane	4.73	62	282063	58.33	ppb		100
26) Benzene	4.71	78	1208816	57.95	ppb		100
28) Trichloroethylene	5.29	95	356979	56.62	ppb		99
31) Bromodichloromethane	5.75	83	367267	54.30	ppb		100
32) 1,2-Dichloropropane	5.50	63	263988	56.84	ppb	#	90
33) cis-1,3-Dichloropropene	6.18	75	388017	53.97	ppb		100
34) 2-Hexanone	7.10	43	5028	2.86	ppb	#	72
36) Toluene	6.50	91	1203637	57.81	ppb		100
37) trans-1,3-Dichloropropene	6.71	75	310964	54.17	ppb		100
38) 1,1,2-Trichloroethane	6.89	83	176968	57.12	ppb		100
40) Tetrachloroethylene	7.04	166	381261	55.85	ppb		100
42) Dibromochloromethane	7.28	129	263560	58.72	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14398.D Vial: 29
Acq On : 4 Jun 2004 11:38 pm Operator: SS
Sample : 04050709-01 $8021W ASPB MS Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:20 19104 Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	Chlorobenzene	7.90	112	756412	56.30	ppb		99
45)	Ethyl Benzene	8.02	91	1348184	57.39	ppb		100
46)	p- & m-Xylenes	8.14	91	31503	1.87	ppb		93
51)	Bromoform	8.76	173	157220	60.83	ppb	#	100
53)	1,1,2,2-Tetrachloroethane	9.28	83	248428	56.33	ppb		99
65)	1,3-Dichlorobenzene	10.30	146	544931	54.28	ppb	#	100
66)	1,4-Dichlorobenzene	10.40	146	524589	54.33	ppb	#	68
67)	1,2-Dichlorobenzene	10.80	146	476219	57.16	ppb	#	100
71)	Naphthalene	12.88	128	10204	1.44	ppb	#	94
73)	1,2,3-Trichlorobenzene	13.16	182	5510	1.34	ppb	#	43

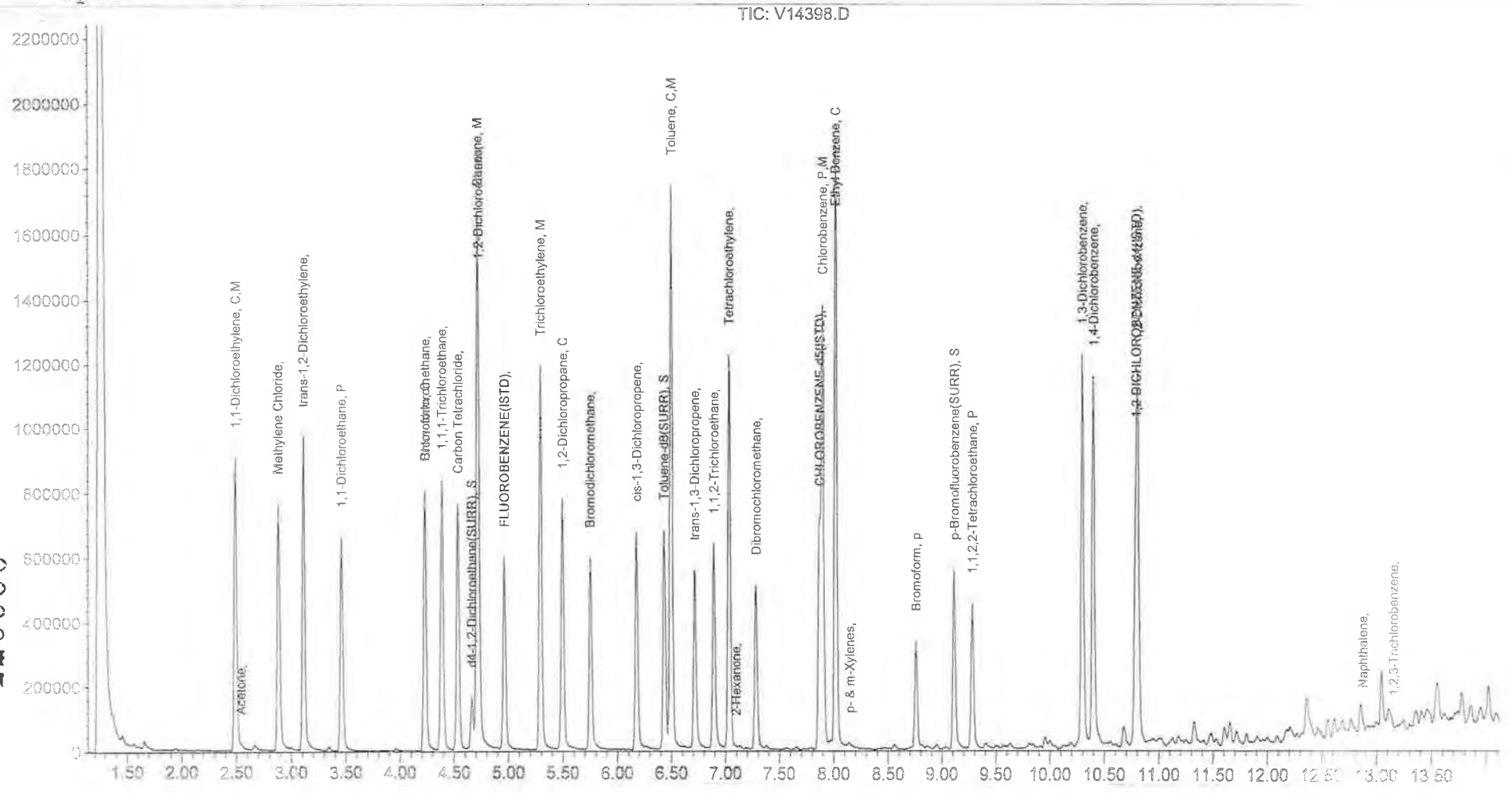
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14398.D
Acq On : 4 Jun 2004 11:38 pm
Sample : 04050709-01 $8021W ASPB MS
Misc : QBV1060404A
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:20 19104

Vial: 29
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14400.D Vial: 31
Acq On : 5 Jun 2004 12:20 am Operator: SS
Sample : 04050709-02 $8021W ASPB MSD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:21 19104 Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.96	70	95653	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.87	117	399770	50.00	ppb		-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	164467	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.67	65	96855	52.62	ppb		0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 105.24%				
35) Toluene-d8(SURR)	6.43	98	437528	49.83	ppb		-0.01
Spiked Amount 50.000	Range 83 - 114		Recovery = 99.66%				
52) p-Bromofluorobenzene(SURR)	9.11	174	173402	48.74	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 97.48%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.49	61	526624	64.53	ppb		99
10) trans-1,2-Dichloroethylene	3.12	61	457665	60.81	ppb		100
12) Methylene Chloride	2.89	49	394331	54.87	ppb		98
14) Acetone	2.55	43	13375	14.97	ppb		99
15) 1,1-Dichloroethane	3.46	63	579196	62.81	ppb		100
19) Bromochloromethane	4.23	49	45564	12.73	ppb	#	41
20) Chloroform	4.23	83	619420	59.78	ppb		100
21) 1,1,1-Trichloroethane	4.39	97	538136	60.38	ppb		100
24) Carbon Tetrachloride	4.54	117	469617	59.20	ppb		100
25) 1,2-Dichloroethane	4.73	62	297551	62.07	ppb	#	87
26) Benzene	4.71	78	1280779	61.94	ppb		100
28) Trichloroethylene	5.29	95	374236	58.01	ppb		100
31) Bromodichloromethane	5.76	83	381824	55.17	ppb		100
32) 1,2-Dichloropropane	5.50	63	276508	58.18	ppb		99
33) cis-1,3-Dichloropropene	6.18	75	408550	55.54	ppb		100
34) 2-Hexanone	7.11	43	5374	2.99	ppb	#	72
36) Toluene	6.50	91	1270620	59.64	ppb		100
37) trans-1,3-Dichloropropene	6.72	75	321606	54.76	ppb		100
38) 1,1,2-Trichloroethane	6.89	83	183234	57.80	ppb		100
40) Tetrachloroethylene	7.04	166	406816	58.24	ppb		100
42) Dibromochloromethane	7.28	129	270983	59.01	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14400.D Vial: 31
Acq On : 5 Jun 2004 12:20 am Operator: SS
Sample : 04050709-02 $8021W ASPB MSD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:21 19104 Quant Results File: V1C135A.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration
DataAcq Meth : V1C134A

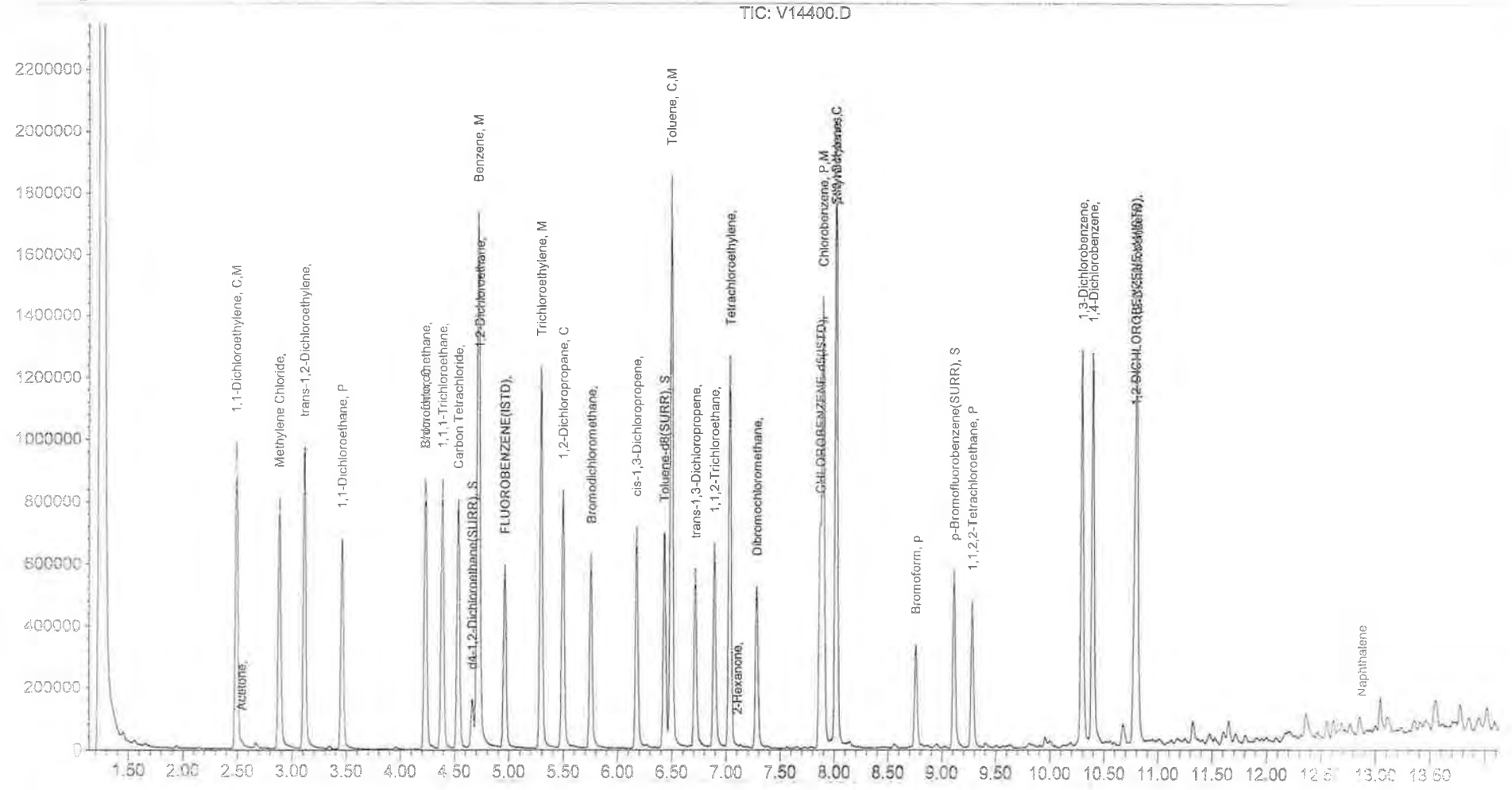
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	Chlorobenzene	7.90	112	799559	58.16	ppb		99
45)	Ethyl Benzene	8.02	91	1424530	59.27	ppb		100
46)	p- & m-Xylenes	8.02	91	1420429	82.48	ppb		90
51)	Bromoform	8.76	173	162043	59.27	ppb	#	100
53)	1,1,2,2-Tetrachloroethane	9.28	83	273237	58.57	ppb		100
65)	1,3-Dichlorobenzene	10.30	146	584169	55.01	ppb	#	100
66)	1,4-Dichlorobenzene	10.39	146	559079	54.74	ppb	#	68
67)	1,2-Dichlorobenzene	10.80	146	504644	57.26	ppb	#	99
71)	Naphthalene	12.88	128	10201	1.36	ppb	#	94

(#) = qualifier out of range (m) = manual integration

000077

Data File : C:\HPCHEM\1\DATA\V14400.D Vial: 31
Acq On : 5 Jun 2004 12:20 am Operator: SS
Sample : 04050709-02 $8021W ASPB MSD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT1.P
Quant Time: Jun 9 15:21 19104 Quant Results File: V1C135A.RES

Method : C:\HPCHEM\1\METHODS\V1C135A.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Mon Jun 07 13:26:17 2004
Response via : Initial Calibration



YORK

ANALYTICAL LABORATORIES, INC.

VOA pH Log

York Project No. 04050709

Sample No.,	pH < 2	If pH >2 check below
709-01	yes	
709-02	yes	

COMMENTS:

OL 6/3/04

YORK ANALITICAL LABS

MDL DETERMINATION, 02/2004 WATER VOA Instrument 1

Determined @ 5 ppb

Compound	V10877	V10878	V10879	V10880	V10881	V10882	V10883	AVG	STDDEV	MDL
Dichlorodifluorometha	4.3019	4.3661	4.976	4.4747	4.0842	4.3961	4.0291	4.375443	0.311239	**1.0**
Chloromethane	6.8169	6.7438	6.826	6.7604	6.6178	6.2947	6.7147	6.682043	0.184432	**0.6**
Vinyl Chloride	8.285	7.5672	8.285	8.2076	7.7506	7.8511	7.74	7.955214	0.297432	**0.9**
Bromomethane	6.5191	5.9621	6.569	6.9469	6.0668	6.6618	6.3371	6.437543	0.34333	**1.1**
Chloroethane	6.7397	6.7723	6.857	6.9826	6.153	6.5598	6.7341	6.6855	0.267666	**0.8**
Trichlorofluoromethan	7.4946	7.154	7.217	7.2904	6.8296	7.1858	6.4479	7.088471	0.344806	**1.1**
Freon-113	6.0974	5.9518	6.5376	5.6792	5.4185	5.6534	5.3096	5.806786	0.423741	**1.3**
1,1-Dichloroethylene	5.3438	5.1217	5.6092	5.3802	4.9277	5.2529	4.855	5.212929	0.265056	**0.8**
trans-1,2-Dichloroeth	5.6969	5.5296	6.0128	5.8014	5.3262	5.5429	5.1956	5.586486	0.278627	**0.9**
Carbon Disulfide	5.8047	5.6378	6.0327	5.5764	5.0904	5.3572	4.9398	5.491286	0.38792	**1.2**
Methylene Chloride	7.1572	7.1523	7.206	7.0289	6.5505	7.3887	7.0049	7.069786	0.261486	**0.8**
tert-Butyl Methyl Eth	4.3837	4.372	4.7669	4.548	4.1758	4.5758	4.09	4.416029	0.235599	**0.7**
Acetone	6.5412	6.0352	6.3998	6.0717	5.9919	5.884	6.0057	6.132786	0.241263	**0.8**
1,1-Dichloroethane	6.3151	6.127	6.3055	6.1065	5.7576	5.7656	5.658	6.005043	0.274037	**0.9**
cis-1,2-Dichloroethyl	5.2089	4.8913	5.6818	5.1339	4.9899	5.3275	4.7391	5.138914	0.310532	**1.0**
2-Butanone	3.4851	4.218	3.8891	3.589	3.589	4.0425	4.2123	3.860714	0.309263	**1.0**
2,2-Dichloropropane	6.9402	6.2408	6.8872	6.389	5.8049	5.3853	5.0489	6.099471	0.722456	**2.3**
Bromochloromethane	6.4812	6.146	7.2709	7.0319	6.536	6.8802	6.1581	6.643471	0.432344	**1.4**
Chloroform	6.4364	5.797	6.7327	6.3592	5.8173	6.2848	5.4122	6.119943	0.457679	**1.4**
1,1,1-Trichloroethane	6.3333	5.8908	6.1929	5.7744	5.4606	5.9555	5.4196	5.861014	0.342952	**1.1**
1,1-Dichloropropylene	4.8903	4.7072	5.0592	4.6177	5.642	4.804	4.4976	4.888286	0.379264	**1.2**
Carbon Tetrachloride	6.1029	5.6057	6.3103	5.5996	5.0627	5.7926	5.0267	5.642929	0.482878	**1.5**
1,2-Dichloroethane	5.8057	5.6888	6.3305	5.7994	5.5454	5.5686	5.5006	5.748429	0.283789	**0.9**
Benzene	5.692	5.5982	6.3635	5.9734	5.498	5.7622	5.2496	5.733843	0.357053	**1.1**
Trichloroethylene	5.424	4.9985	5.4159	5.1365	4.7311	5.0272	4.6995	5.061814	0.290971	**0.9**
Dibromomethane	5.3653	5.1393	5.6413	5.2767	4.9443	5.2447	4.8284	5.205714	0.269838	**0.8**
Methyl Methacrylate	3.6093	3.4811	4.021	3.4588	3.53	3.5263	3.045	3.5245	0.285732	**0.9**
Bromodichloromethane	5.4896	5.2043	5.6191	5.2396	5.1044	5.2933	4.5068	5.208157	0.355669	**1.1**
1,2-Dichloropropane	5.9146	5.3302	5.5588	5.2551	5.4224	5.4838	5.2103	5.4536	0.237802	**0.7**
cis-1,3-Dichloroprope	4.1117	4.1122	4.077	4.0699	3.9553	4.0175	3.6389	3.9975	0.167598	**0.5**
2-Hexanone	3.924	3.9838	3.735	3.9625	3.385	3.4348	3.5567	3.711686	0.254946	**0.8**
Toluene	5.354	5.1402	5.4594	5.252	5.0283	5.2199	4.8597	5.187643	0.200789	**0.6**
trans-1,3-Dichloropro	4.7419	4.1402	4.294	4.0555	4.2038	4.2886	3.9769	4.242986	0.248881	**0.8**
1,1,2-Trichloroethane	5.7284	5.1668	5.7059	5.2862	5.3897	5.5389	5.1669	5.426114	0.237246	**0.7**
1,3-Dichloropropane	5.0358	4.8639	4.8205	4.81	4.784	5.0403	4.796	4.878643	0.11175	**0.4**
Tetrachloroethylene	5.469	5.1814	5.7751	5.1513	5.0251	5.1924	5.5056	5.328557	0.262732	**0.8**
4-Methyl-2-Pentanone	3.8626	3.5576	4.0723	3.7258	3.7005	4.3648	4.0553	3.905557	0.276409	**0.9**
Dibromochloromethane	4.6933	4.5318	4.9085	4.5958	4.2056	4.7841	4.3616	4.582957	0.242484	**0.8**
1,2-Dibromoethane	4.6642	4.267	4.8106	4.3296	4.4707	4.648	4.1484	4.476929	0.241322	**0.8**
Chlorobenzene	5.4123	5.2012	5.5176	5.2174	5.1999	5.1256	4.851	5.217857	0.212661	**0.7**
Ethyl Benzene	4.7709	4.4271	4.6238	4.5424	4.3681	4.6086	4.2985	4.519914	0.164744	**0.5**
p- & m-Xylenes	9.6081	8.9329	9.4622	9.1183	8.7055	8.9416	8.4484	9.031	0.406117	**1.3**
o-Xylene	4.039	3.865	4.0471	4.0484	3.8787	3.9846	3.8621	3.9607	0.088941	**0.3**
Styrene	3.4756	3.4579	3.775	3.7002	3.4428	3.5889	3.4375	3.553986	0.137084	**0.4**
1,1,1,2-Tetrachloroet	5.1482	4.7575	5.233	5.3875	4.6852	5.1684	4.7164	5.013743	0.286292	**0.9**
Bromoform	4.3815	4.0831	4.44	4.2587	4.3692	4.3781	4.323	4.319086	0.118224	**0.4**
1,1,2,2-Tetrachloroet	5.227	4.9797	5.1834	5.0034	4.803	4.7888	4.9584	4.991957	0.168464	**0.5**
1,2,3-Trichloropropan	4.8679	5.3041	5.0208	5.2065	4.7754	4.932	4.4757	4.940343	0.2763	**0.9**
Isopropylbenzene	3.5133	3.3254	3.5722	3.5341	3.4524	3.3902	3.3035	3.441586	0.104949	**0.3**
1,2-Dibromo-3-Chlorop	3.7923	3.3418	3.8514	2.9857	3.4649	4.2703	2.7294	3.490829	0.530139	**1.7**
Bromobenzene	5.0272	4.8833	4.9284	4.7066	4.6173	4.6413	4.4517	4.750829	0.202781	**0.6**
n-Propylbenzene	4.111	3.9956	4.0429	4.1203	3.7797	3.8105	3.6395	3.9285	0.185863	**0.6**
2-Chlorotoluene	4.5935	4.2893	4.5025	4.3974	4.2265	4.2258	4.2469	4.354557	0.146993	**0.5**
4-Chlorotoluene	4.5567	4.0623	4.5412	4.3611	4.2302	4.1454	4.1321	4.289857	0.200229	**0.6**
tert-Butylbenzene	3.4321	3.2617	3.9233	3.89	3.5854	3.3489	3.7571	3.599786	0.264325	**0.8**
1,3,5-trimethylbenzen	3.873	3.4758	3.6741	3.7048	3.5109	3.4816	3.2646	3.569257	0.197595	**0.6**
1,2,4-trimethylbenzen	3.5441	3.1579	3.6041	3.5542	3.2836	3.5445	3.1897	3.411157	0.192612	**0.6**
sec-Butylbenzene	3.5468	3.3297	3.5635	3.4468	3.3033	3.3521	3.3194	3.4088	0.110313	**0.3**
1,3-Dichlorobenzene	4.7003	4.65	4.7916	4.6988	4.4132	4.5874	4.252	4.584757	0.188663	**0.6**
1,4-Dichlorobenzene	4.4197	4.1544	4.401	4.2396	3.9026	4.0968	3.9553	4.167057	0.201534	**0.6**
1,2-Dichlorobenzene	5.281	5.1112	5.0466	4.8544	4.7208	4.9145	4.7256	4.950586	0.20743	**0.7**
p-Isopropyltoluene	3.1914	2.9184	3.1086	3.0623	2.8241	2.892	2.6502	2.949571	0.185352	**0.6**
n-Butylbenzene	2.5817	2.5793	2.6855	2.5321	2.5455	2.4564	2.1629	2.5062	0.166204	**0.5**
1,2,4-Trichlorobenzen	2.0524	1.8271	2.0249	2.0662	1.764	2.2208	1.7357	1.955871	0.181803	**0.6**
Naphthalene	1.3683	1.4815	1.5389	1.5009	1.4	1.4891	1.3688	1.449643	0.069261	**0.2**
Hexachloro-1,3-Butadi	2.9254	3.9204	4.1065	4.0399	3.8429	4.0728	3.6112	3.788443	0.416711	**1.3**
1,2,3-Trichlorobenzen	2.1144	2.0266	1.973	2.1375	1.9897	2.1133	1.8832	2.033957	0.093045	**0.3**

Injection Log

Directory: c:\hpchem\1\data

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	evaldemo.d	1.	demoscan sample	10 ng per component	7 Sep 89 13:59
2	2	v14371.d	1.	MBLK	QBV1060404A	4 Jun 04 14:30
3	4	v14373.d	1.	10ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 15:10
4	6	v14375.d	1.	20ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 15:50
5	8	v14377.d	1.	50ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 16:30
6	10	v14379.d	1.	100ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 17:10
7	12	v14381.d	1.	200ppb VOA CALIBRATION STD	QBV1060404A	4 Jun 04 17:50
8	18	v14387.d	1.	50ppb VOA CAL CHECK STD	QBV1060404A	4 Jun 04 19:53
9	24	v14393.d	1.	VOA LCS STD	QBV1060404A	4 Jun 04 21:55
10	26	v14395.d	1.	VOA MS STD	QBV1060404A	4 Jun 04 22:35
11	28	v14397.d	1.	VOA MSD STD	QBV1060404A	4 Jun 04 23:17
12	34	v14403.d	1.	VOA METHOD BLANK STD	QBV1060404A	5 Jun 04 01:24
13	36	v14405.d	1.	04050709-02 $8021W ASPB	QBV1060404A	5 Jun 04 02:06

000081

Form 2A

Volatile System Monitoring Compound Recovery

Lab Name: York Analytical Labs

Lab Code: **Case No.:** **SDG No.:** 04050709

VOA 1 (B)

Client Sample ID	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER	TOT OUT
VOA LCS STD	95	93	100		0
VOA MS STD	94	94	100		0
VOA MSD STD	95	94	101		0
METHOD BLK STD	99	100	99		0
PGW-2	94	96	92		0

Laboratory QC Limits

SMC1 (DCE) = 1,2-Dichloroethane-d4 70-138
SMC2 (TOL) = Toluene-d8 84-138
SMC3 (BFB) = Bromofluorobenzene 65-120

Column to be used to flag recovery values
* Values outside of Laboratory QC limits

Form 3A

Volatile Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: York Analytical Labs

Lab Code: **Case No:** **SDG No.:** 04050709

Matrix Spike - EPA Sample No.: BATCH QC (QBV1060404A)

VOA 1 (B)

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	MS Conc. (ug/L)	MS Rec. % #	QC Limits Recovery, %
1,1-Dichloroethene	50	0	61	122	59-172
Trichloroethene	50	0	53	106	62-137
Benzene	50	0	53	106	66-142
Toluene	50	0	54	108	59-139
Chlorobenzene	50	0	53	106	60-133

Compound	Spike Added (ug/L)	MSD Conc. (ug/L)	MS Rec. % #	RPD % #	QC Limits RPD	QC Limits REC
1,1-Dichloroethene	50	55	62	10.3	22	59-172
Trichloroethene	50	54	53	1.9	24	62-137
Benzene	50	54	57	1.9	21	66-142
Toluene	50	56	52	3.6	21	59-139
Chlorobenzene	50	54	53	1.9	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside of limits

Comments: _____

4A

Volatile Method Blank Summary

Lab Name: York Analytical Labs
Lab Code: **Case No.:** **SAS No:** **SDG No.:** 04050709
Lab File ID: V14403.D **Lab Sample ID:** VOA METHOD BLANK STD
Date Analyzed: 06/05/04 **Time Analyzed:** 01:24
GC Column: **ID:(mm)** **Heated Purge:(Y/N)**
Instrument ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:
VOA 1 (B)

	Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
1		VOA LCS STD	V14393.D	21:55
2		VOA MS STD	V14395.D	22:35
3		VOA MSD STD	V14397.D	23:17
4	PGW-2	04050709-02	V14405.D	02:06
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Comments: _____

5A

Volatile Organic Instrument Performance Check
Bromoflourobenzene (BFB)

Lab Name: York Analytical Labs
Lab Code: **Case No.:** **SDG (Project ID) No:** 04050709
Lab File ID: V14371.D **BFB Injection Date:** 06/04/04
Instrument ID: **BFB InjectionTime:** 14:30
GC Column: **ID:** (mm)

VOA 1 (B)

m/e	Ion Abundance Criteria	% Relative Abundance	
50	8.0-40.0% of mass 95	15.6	
75	30.0-66.0% of mass 95	41.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.0	(84.5) 1
174	50.0-120.0% of mass 95	84.5	
175	4.0-9.0% of mass 174	7.0	(84.5) 1
176	93.0-101.0% of mass 174	96.8	(84.5) 1
177	5.0-9.0% of mass 176	6.5	(96.8) 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
1		10 ppb VOA Cal Std	V14373.D	06/04/04	15:10
2		20 ppb VOA Cal Std	V14375.D	06/04/04	15:50
3		50 ppb VOA Cal Std	V14377.D	06/04/04	16:30
4		100 ppb VOA Cal Std	V14379.D	06/04/04	17:10
5		200 ppb VOA Cal Std	V14381.D	06/04/04	17:50
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

Volatile Organic Instrument Performance Check
Bromoflourobenzene (BFB)

Lab Name: York Analytical Labs
Lab Code: **Case No.:**
Lab File ID: V14387.D
Instrument ID:
GC Column: **ID:** (mm)

SDG (Project ID) No: 04050709
BFB Injection Date: 06/04/04
BFB InjectionTime: 19:53

VOA 1 (B)

m/e	Ion Abundance Criteria	% Relative Abundance	
50	8.0-40.0% of mass 95	17.4	
75	30.0-66.0% of mass 95	40.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	5.5	
173	Less than 2.0% of mass 174	0.0	(77.3) 1
174	50.0-120.0% of mass 95	77.3	
175	4.0-9.0% of mass 174	7.2	(77.3) 1
176	93.0-101.0% of mass 174	95.9	(77.3) 1
177	5.0-9.0% of mass 176	6.9	(95.9) 2

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

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		VOA LCS STD	V14393.D	06/04/04	21:55
2		VOA MS STD	V14395.D	06/04/04	22:35
3		VOA MSD STD	V14397.D	06/04/04	23:17
4		METHOD BLK STD	V14403.D	06/05/04	01:24
5	PGW-2	04050709-02	V14405.D	06/05/04	02:06
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

000086

8A

Volatile Internal Standard Area and RT Summary

Lab Name: York Analytical Labs
Lab Code: Case No: SAS No. SDG No: 04050709
EPA Sample No.: 04050709 Date Analyzed: 06/04/04
Lab File ID: V14387.D Time Analyzed: 19:53
Instrument ID: Heated Purge: (Y/N)
GC Column: ID: (mm)

VOA 1 (B)

	IS 1 (FBZ) Area #	RT #	IS 2 (CBZ) Area #	RT #	IS 3 (DCB) Area #	RT #
12 Hour Std	115078	4.99	443080	7.88	162171	10.80
Upper Limit	230156	5.49	886160	8.38	324342	11.30
Lower Limit	57539	4.49	221540	7.38	81086	10.30
Client Sample ID						
VOA LCS STD	104082	4.99	426109	7.88	142611	10.79
VOA MS STD	103328	4.99	409068	7.89	138114	10.80
VOA MSD STD	102401	4.98	411745	7.88	139971	10.80
METHOD BLK STD	106233	5.00	401209	7.89	139271	10.79
PGW-2	105153	4.99	423422	7.88	162740	10.79

IS 1 (FBZ) Fluorobenzne
IS 2 (CBZ) Chlorobenzene-d5
IS 3 (DCB) 1,2-Dichlorobenzene-d4

Area Upper Limit +100% of internal standard area
Area Lower Limit -50% of internal standard area
RT Upper Limit +0.50 minutes of internal standard RT
RT Upper Limit -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with asterisk
* Values outside of QC limits

YORK
Analytical Laboratories, Inc.

Form 1
Volatile Organics Analysis Data Sheet-8021 Stars

Client Sample ID

PGW-2

Sample Amount: Soil=1.0g/Water=5.0ml
Matrix: WATER
Dilution Factor: 1.0
GC Column: DB-624, 50 m, 0.32mm id

Date Collected: 05/26/04
Date Received: 05/26/04
Date Analyzed: 06/05/04
Level: LOW

Sample Type: WATER
SDG: 04050709
Lab ID: 04050709-02
Lab File ID: V14405.D

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
PGW-2	04050709-02	Benzene	1 U
PGW-2	04050709-02	Chlorobenzene	1 U
PGW-2	04050709-02	Chloromethane	1 U
PGW-2	04050709-02	1,2-Dichloroethane	1 U
PGW-2	04050709-02	Ethylbenzene	1 U
PGW-2	04050709-02	o-Xylene	3
PGW-2	04050709-02	p- & m-Xylenes	1

Form 1-VOA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\V14405.D
Acq On : 5 Jun 2004 2:06 am
Sample : 04050709-02 $8021W ASPB
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Aug 9 16:43 19104

Vial: 36
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

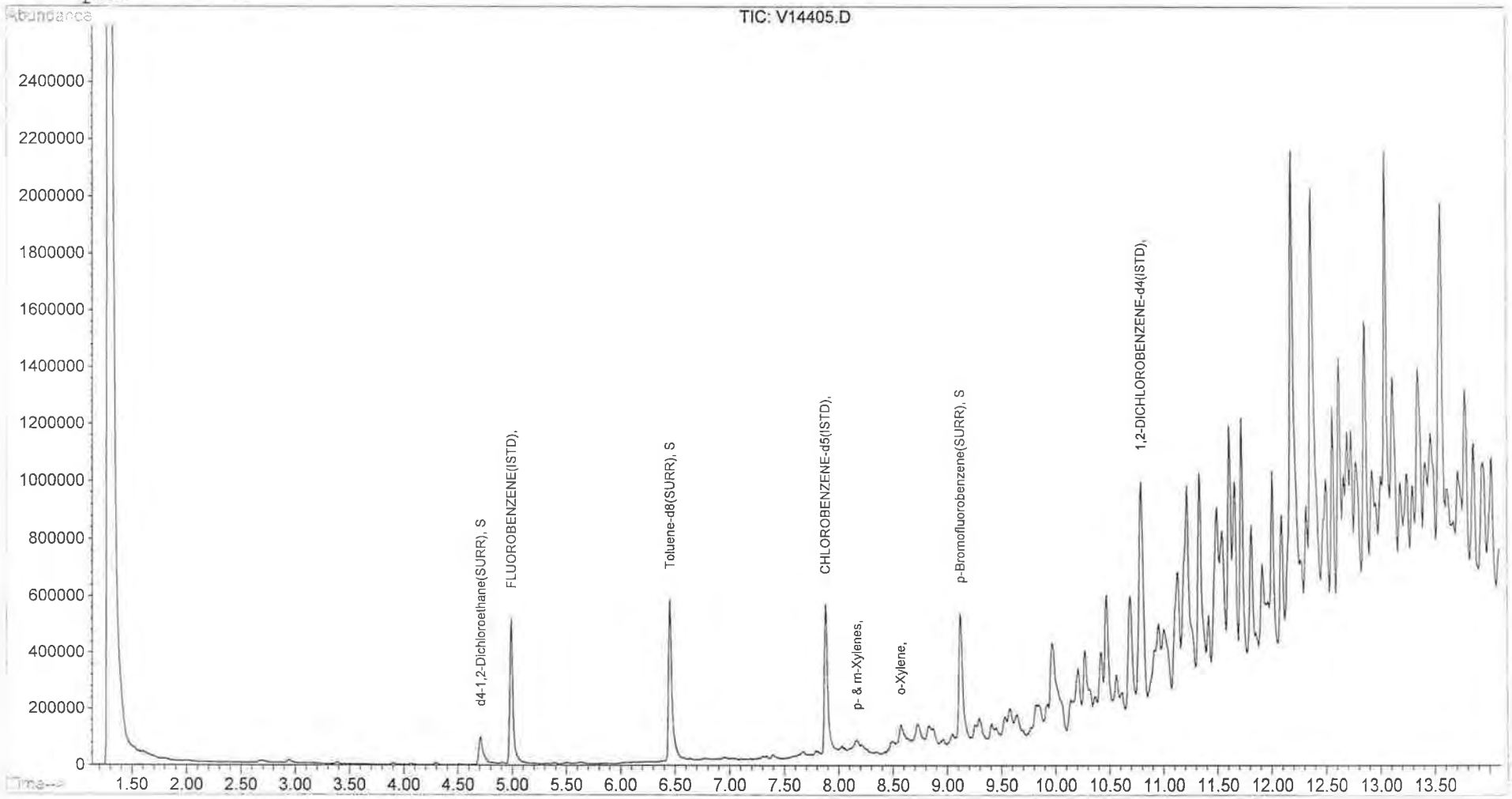
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	4.99	70	105153	50.00	ppb	0.00
27) CHLOROBENZENE-d5(ISTD)	7.88	117	423422	50.00	ppb	-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	162740	50.00	ppb	-0.01
System Monitoring Compounds						
23) d4-1,2-Dichloroethane(SURR	4.71	65	85476	47.10	ppb	0.01
Spiked Amount 50.000	Range 64 - 122		Recovery = 94.20%			
35) Toluene-d8(SURR)	6.45	98	469163	46.43	ppb	0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 92.86%			
52) p-Bromofluorobenzene(SURR)	9.13	174	177442	46.01	ppb	0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 92.02%			
Target Compounds						Qvalue
46) p- & m-Xylenes	8.16	91	20759	1.05	ppb	98
47) o-Xylene	8.57	91	60410	3.20	ppb	99

(#) = qualifier out of range (m) = manual integration

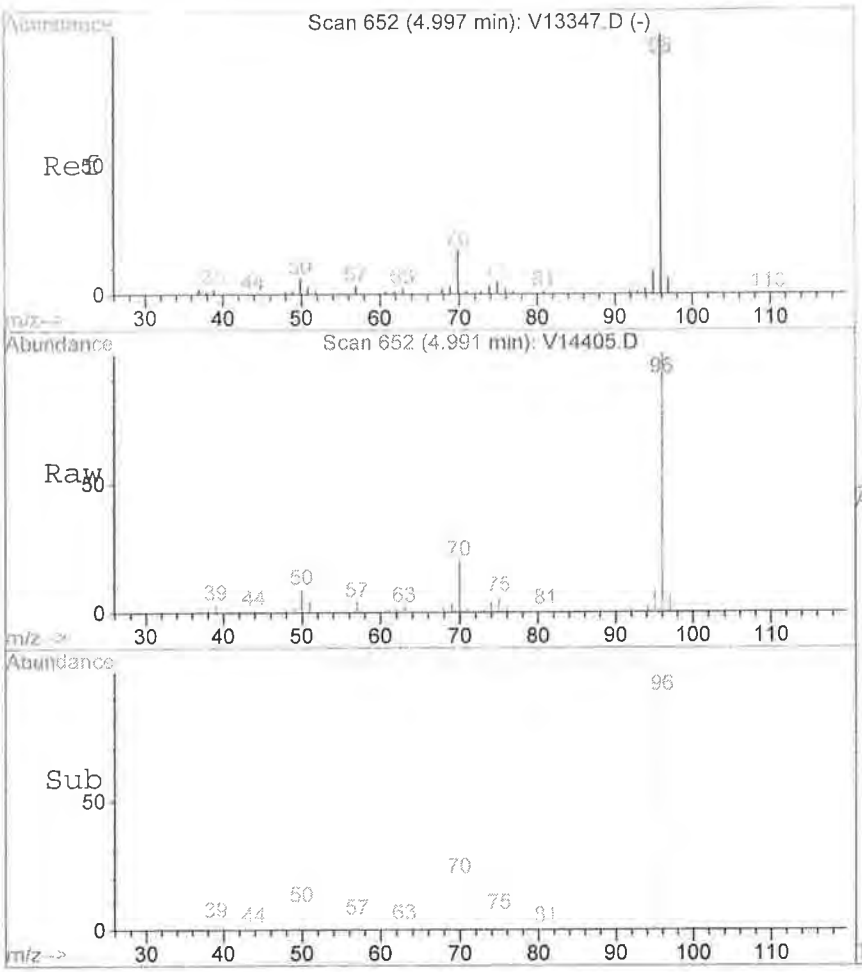
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14405.D Vial: 36
Acq On : 5 Jun 2004 2:06 am Operator: SS
Sample : 04050709-02 $8021W ASPB Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Aug 9 16:43 19104 Quant Results File: V1C135B.RES

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration



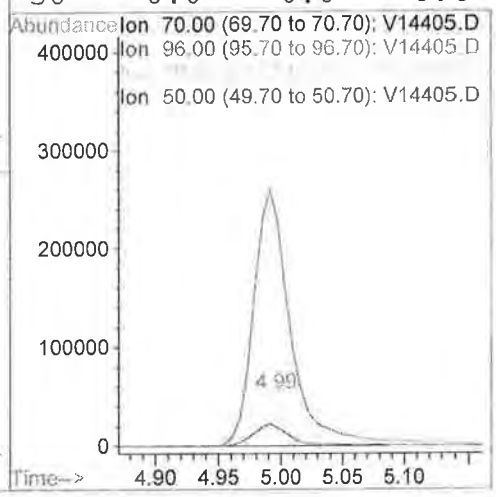
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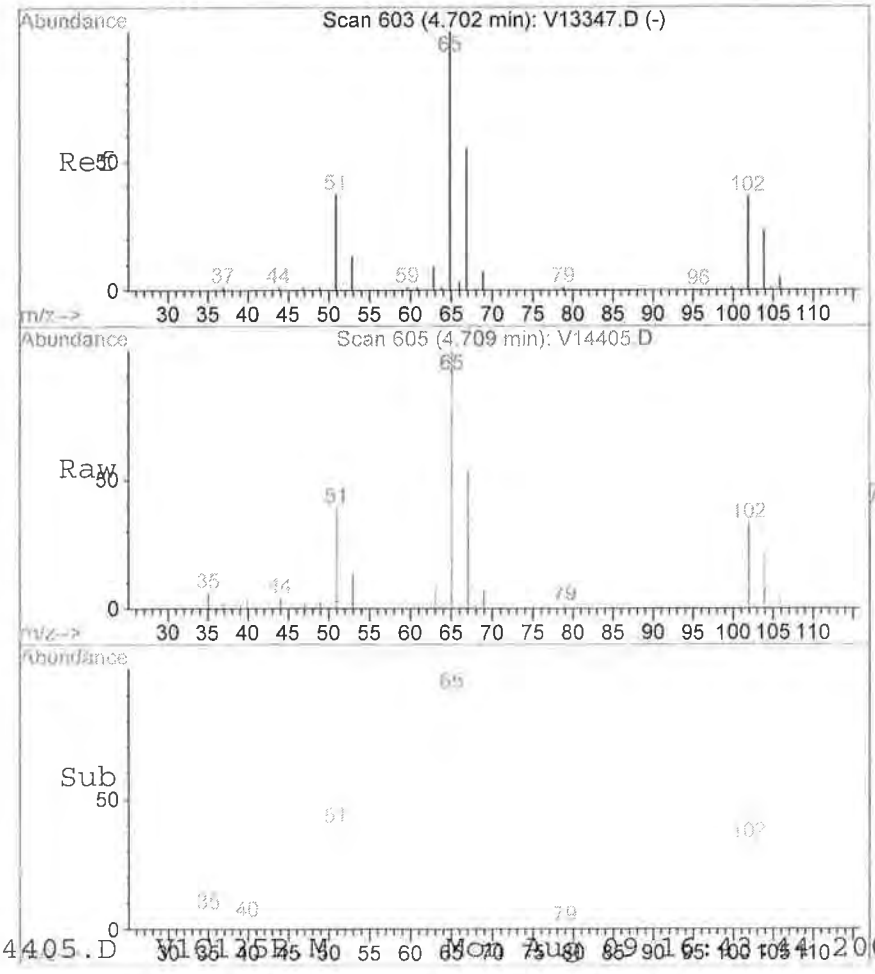


#1
FLUOROBENZENE(ISTD)
Concen: 50.00 ppb
RT: 4.99 min Scan# 652
Delta R.T. -0.00 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion: 70 Resp: 105153

Ion	Ratio	Lower	Upper
70	100		
96	508.9	397.6	596.4
70	100.0	80.0	120.0
50	0.0	0.0	0.0

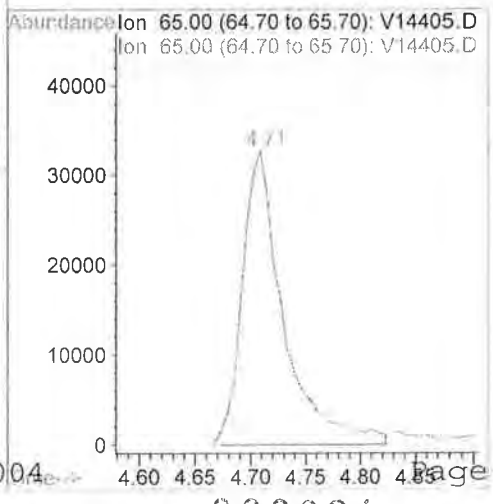


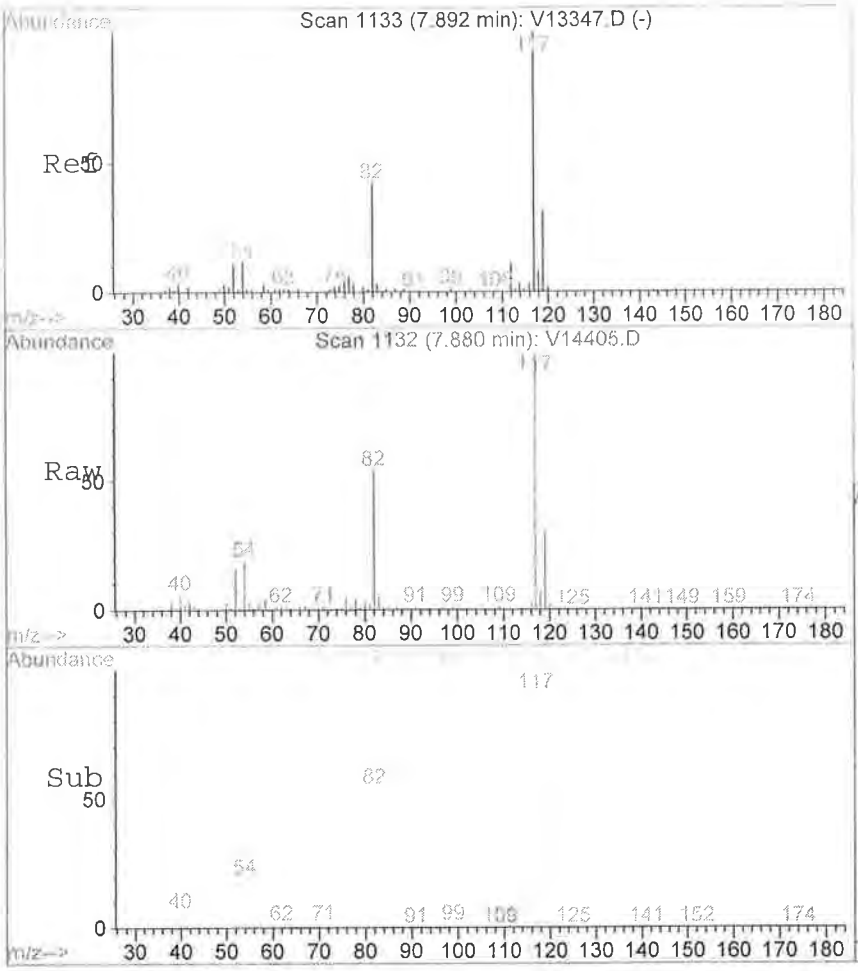


#23
d4-1,2-Dichloroethane(SURR)
Concen: 47.10 ppb
RT: 4.71 min Scan# 605
Delta R.T. 0.01 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion: 65 Resp: 85476

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	31.8	23.4	35.0

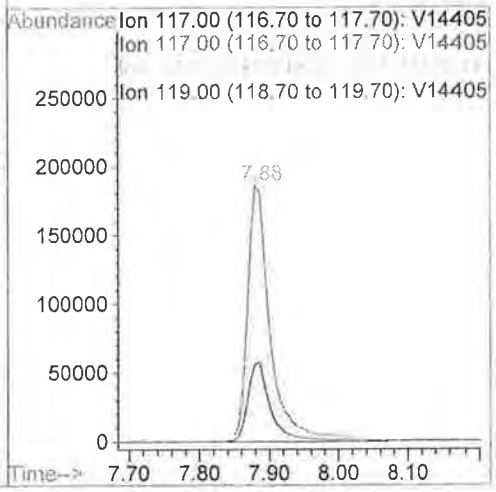


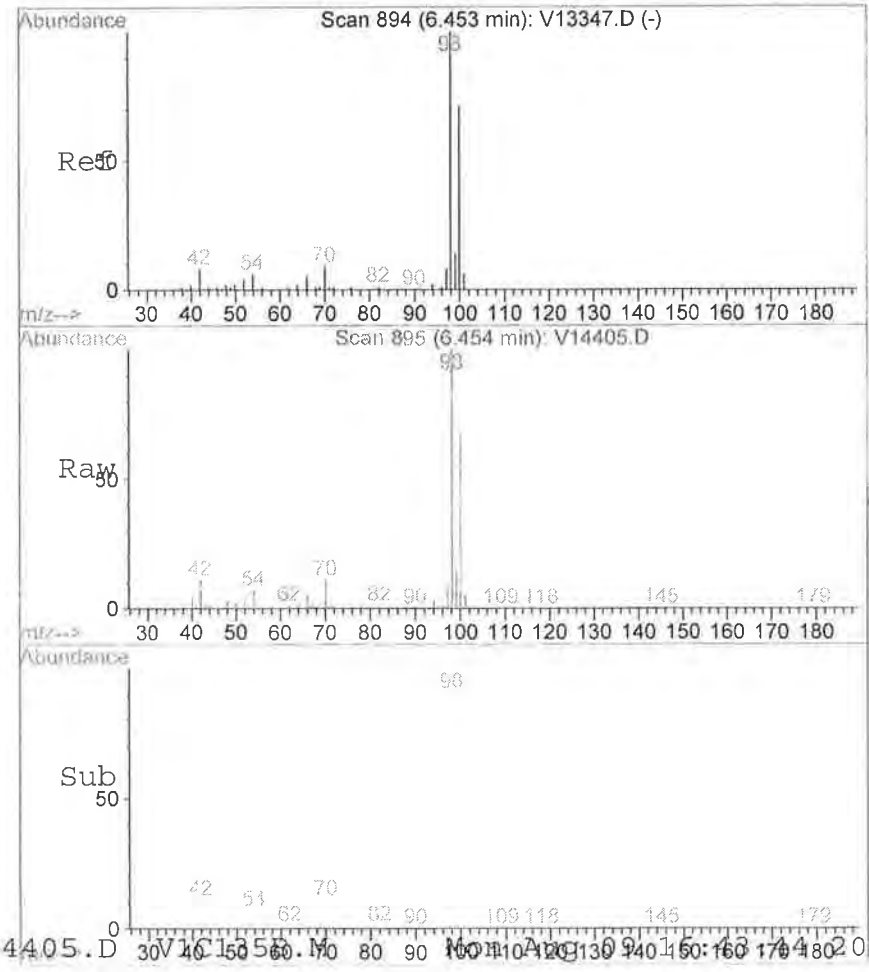


#27
CHLOROBENZENE-d5(ISTD)
Concen: 50.00 ppb
RT: 7.88 min Scan# 1132
Delta R.T. -0.01 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion:117 Resp: 423422

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	30.7	25.8	38.6

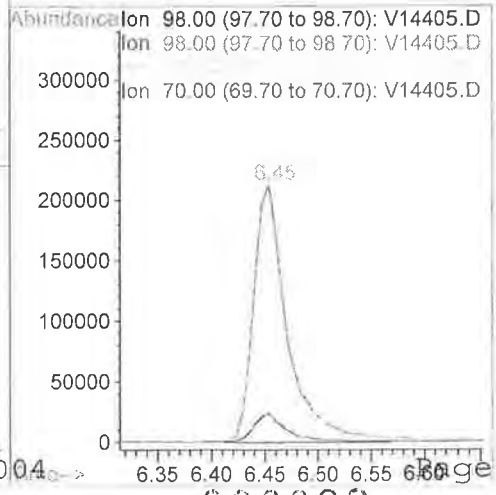


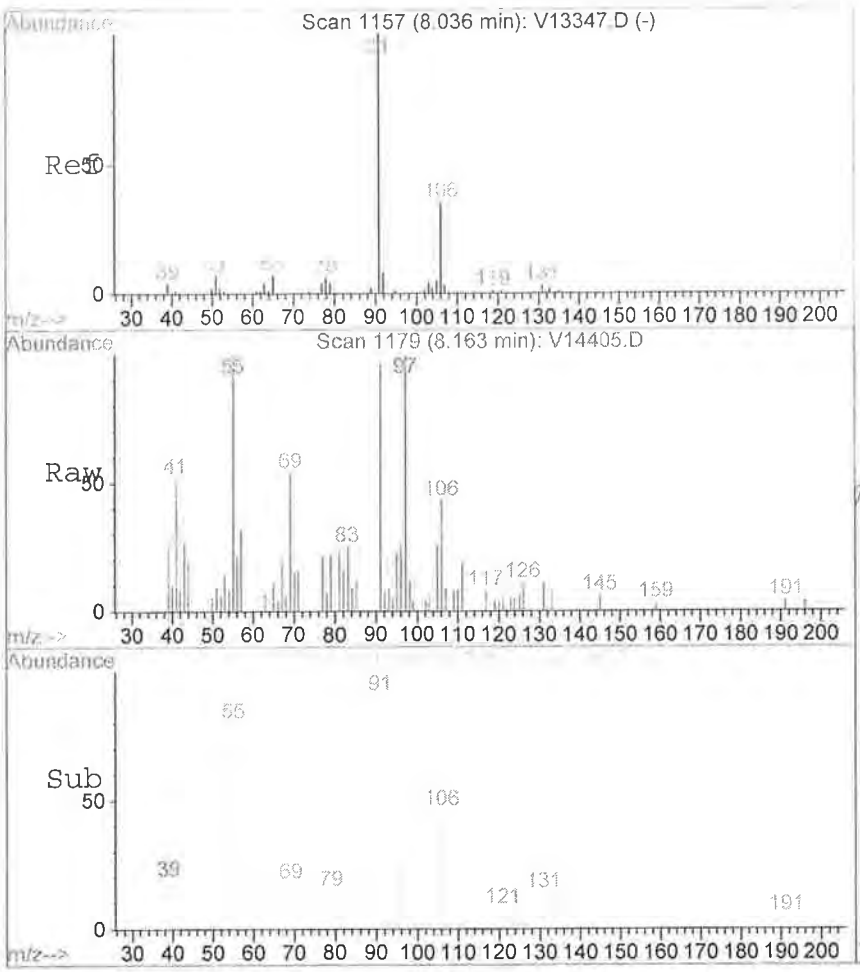


#35
Toluene-d8(SURR)
Concen: 46.43 ppb
RT: 6.45 min Scan# 895
Delta R.T. -0.00 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion: 98 Resp: 469163

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	68.3	33.8	101.4
70	0.0	0.0	0.0

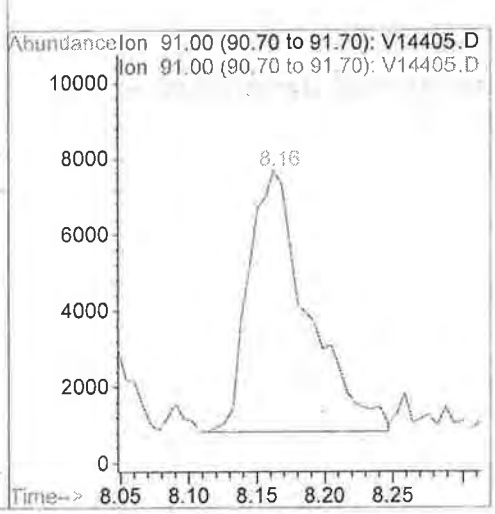


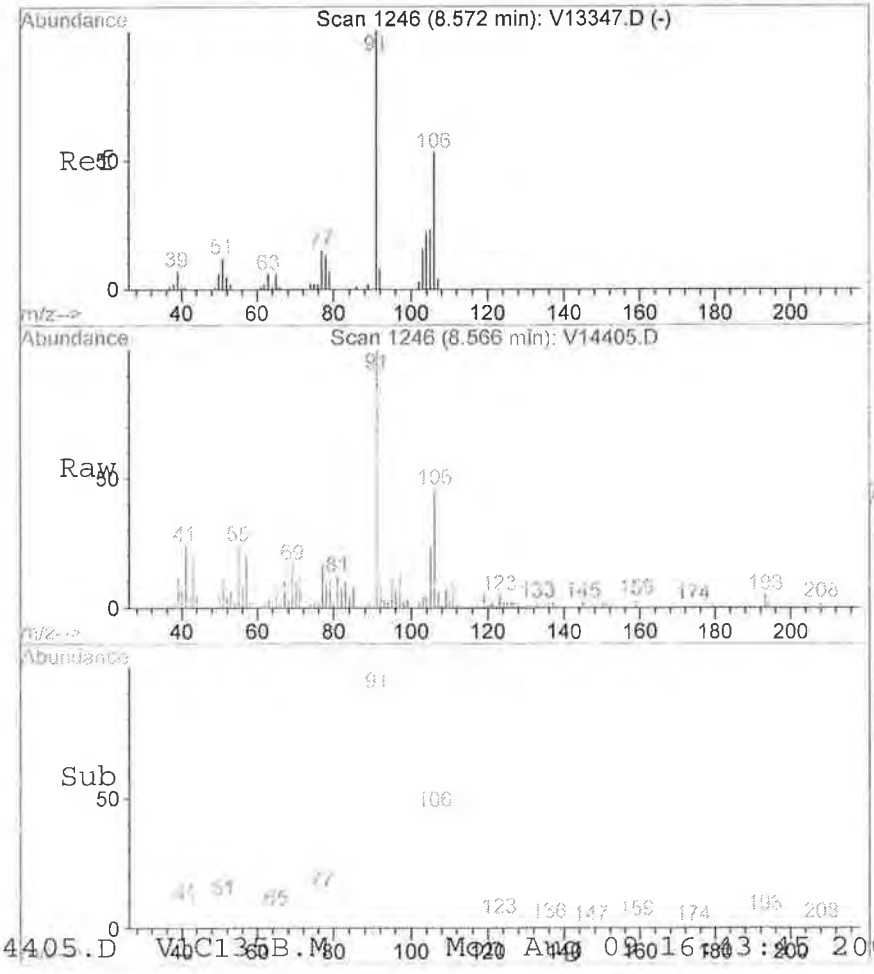


#46
p- & m-Xylenes
Concen: 1.05 ppb
RT: 8.16 min Scan# 1179
Delta R.T. 0.00 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion: 91 Resp: 20759

Ion	Ratio	Lower	Upper
91	100		
91	100.0	50.0	150.0
106	45.6	24.6	73.8

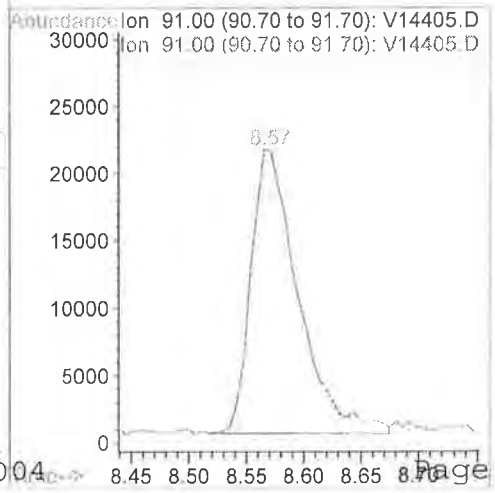


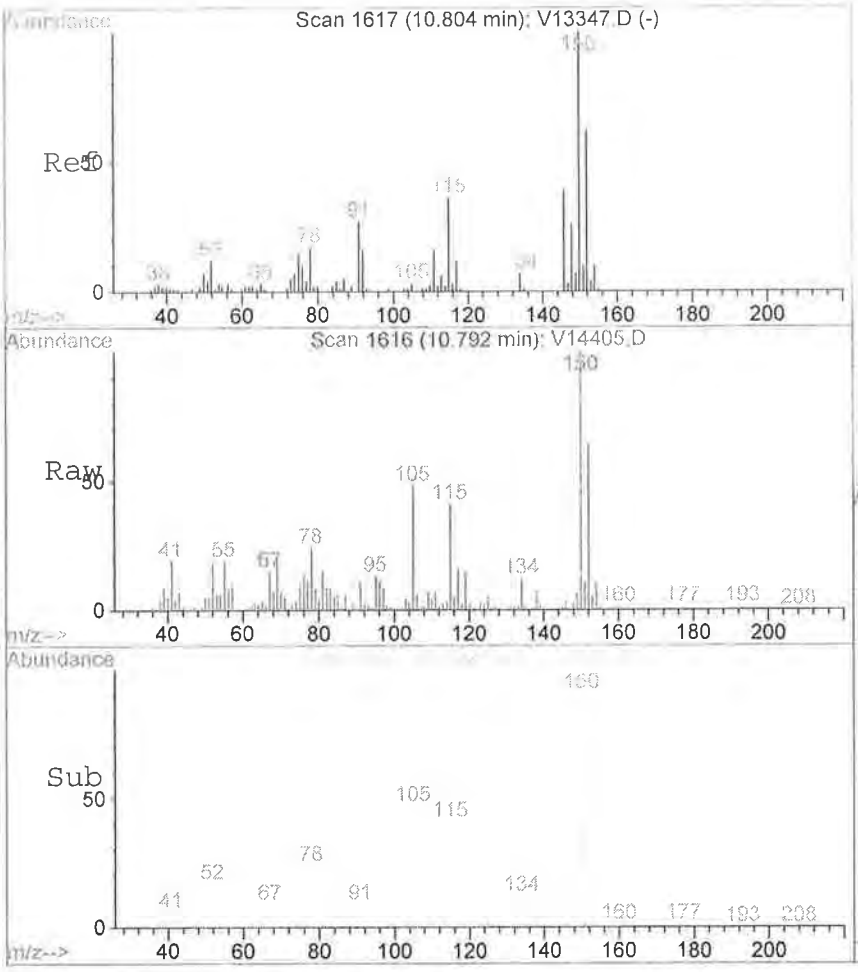


#47
o-Xylene
Concen: 3.20 ppb
RT: 8.57 min Scan# 1246
Delta R.T. -0.01 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion: 91 Resp: 60410

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	47.9	36.9	55.3

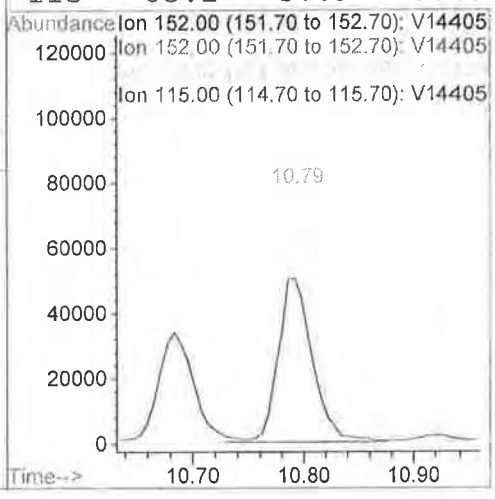


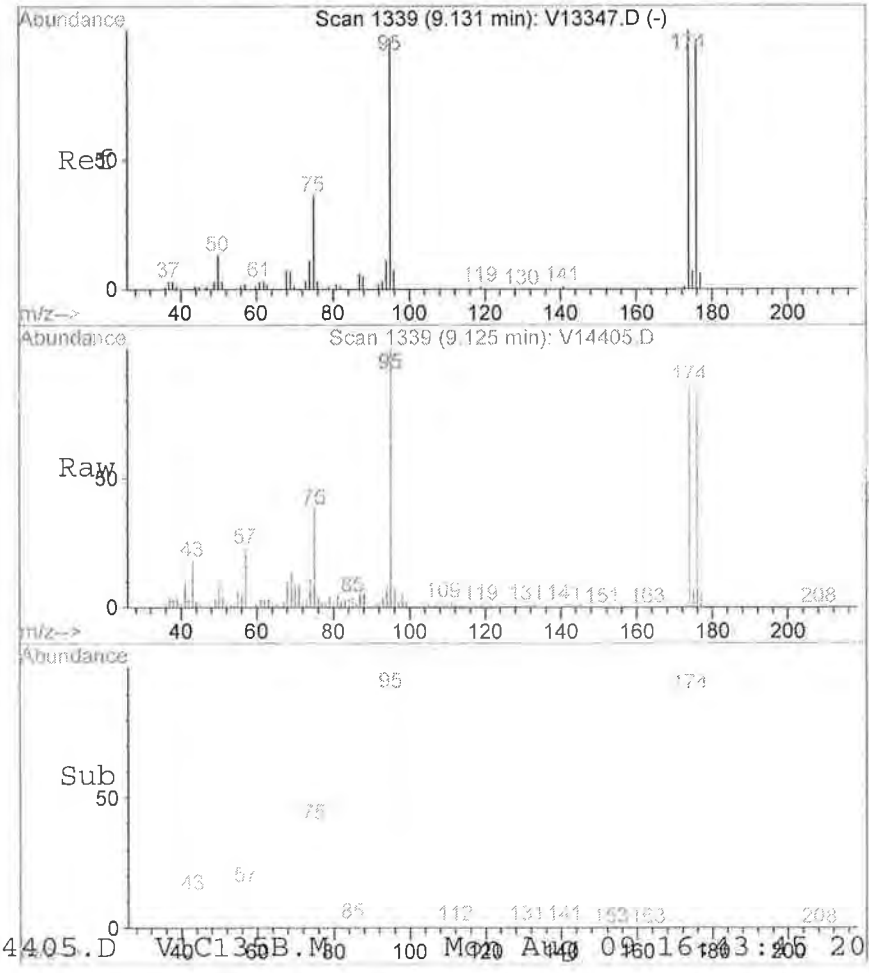


#50
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 10.79 min Scan# 1616
Delta R.T. -0.01 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion:152 Resp: 162740

Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	65.2	57.9	86.9

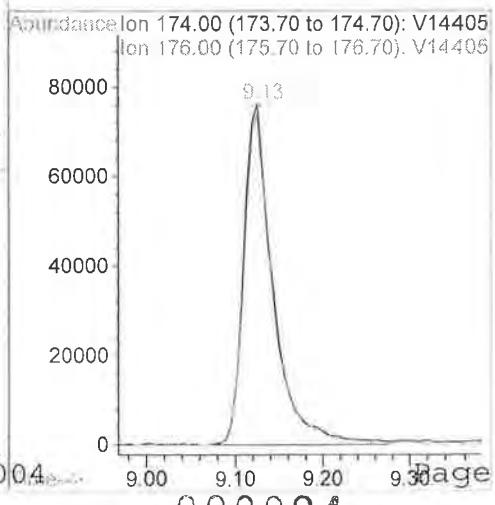




#52
p-Bromofluorobenzene (SURR)
Concen: 46.01 ppb
RT: 9.13 min Scan# 1339
Delta R.T. -0.01 min
Lab File: V14405.D
Acq: 5 Jun 2004 2:06 am

Tgt Ion:174 Resp: 177442

Ion	Ratio	Lower	Upper
174	100		
176	96.6	77.8	116.8



Response Factor Report VOA No.1

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

Calibration Files
10 =V14373.D 20 =V14375.D 50 =V14377.D
100 =V14379.D 200 =V14381.D

		Compound	10	20	50	100	200	Avg		%RSD
1)		FLUOROBENZENE(ISTD)	ISTD							
2)		Dichlorodifluorometha	5.060	4.325	5.242	5.187	4.230	4.809		10.20
3)	P	Chloromethane	4.552	4.068	4.598	4.458	4.186	4.372		5.33
4)	C	Vinyl Chloride	4.576	4.228	4.712	4.673	4.354	4.509		4.65#
5)		Bromomethane	3.073	2.910	3.336	3.227	3.182	3.145		5.15
6)		Chloroethane	2.057	1.930	2.233	2.185	2.105	2.102		5.62
7)		Trichlorofluoromethan	5.130	4.959	5.289	5.287	5.014	5.136		2.96
8)		Freon-113	3.508	3.590	4.265	4.104	3.877	3.869		8.38
9)	C,M	1,1-Dichloroethylene	3.670	3.522	4.117	4.073	3.847	3.846		6.64#
10)		trans-1,2-Dichloroeth	3.148	3.211	3.807	3.745	3.508	3.484		8.61
11)		Carbon Disulfide	0.878	0.887	1.099	1.101	1.037	1.001	E1	11.05
12)		Methylene Chloride	3.369	3.057	3.423	3.188	3.055	3.219		5.34
13)		tert-Butyl Methyl Eth	3.767	4.033	4.932	4.899	4.899	4.506		12.46
14)		Acetone	0.451	0.469	0.441	0.356	0.686	0.481		25.61
15)	P	1,1-Dichloroethane	3.875	3.936	4.618	4.580	4.382	4.278		8.23
16)		cis-1,2-Dichloroethyl	3.117	3.265	3.271	3.220	3.084	3.192		2.70
17)		2-Butanone	0.109	0.157	0.166	0.151	0.191	0.155		19.32
18)		2,2-Dichloropropane	4.022	4.094	4.144	4.104	3.797	4.032		3.44
19)		Bromochloromethane	1.604	1.736	1.682	1.620	1.881	1.704		6.56
20)	C	Chloroform	5.263	5.250	5.142	5.119	5.450	5.245		2.50#
21)		1,1,1-Trichloroethane	4.202	4.312	4.476	4.383	4.482	4.371		2.70
22)		1,1-Dichloropropylene	3.920	4.091	4.447	4.433	4.150	4.208		5.41
23)	S	d4-1,2-Dichloroethane	0.929	0.862	0.873	0.838	0.812	0.863		5.08
24)		Carbon Tetrachloride	3.750	4.003	4.147	4.038	3.858	3.959		3.94
25)		1,2-Dichloroethane	2.207	2.291	2.481	2.398	2.444	2.364		4.80
26)	M	Benzene	1.065	1.082	1.149	1.125	1.101	1.104	E1	3.02
27)		CHLOROBENZENE-d5(ISTD	ISTD							
28)	M	Trichloroethylene	0.774	0.789	0.885	0.863	0.873	0.837		6.13
29)		Dibromomethane	0.381	0.382	0.422	0.407	0.418	0.402		4.93
30)		Methyl Methacrylate	0.193	0.214	0.281	0.283	0.305	0.255		19.11
31)		Bromodichloromethane	0.850	0.904	0.973	0.943	0.978	0.929		5.75
32)	C	1,2-Dichloropropane	0.631	0.640	0.694	0.681	0.675	0.664		4.13#
33)		cis-1,3-Dichloroprope	0.856	0.906	1.038	1.015	1.053	0.974		8.97
34)		2-Hexanone	0.146	0.186	0.250	0.237	0.318	0.227		28.69
35)	S	Toluene-d8(SURR)	1.200	1.181	1.198	1.197	1.189	1.193		0.65

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

Calibration Files
10 =V14373.D 20 =V14375.D 50 =V14377.D
100 =V14379.D 200 =V14381.D

		Compound	10	20	50	100	200	Avg		%RSD
36)	C,M	Toluene	2.747	2.838	3.081	3.035	3.006	2.941		4.84#
37)		trans-1,3-Dichloropro	0.608	0.694	0.814	0.798	0.827	0.748		12.57
38)		1,1,2-Trichloroethane	0.392	0.413	0.444	0.424	0.434	0.421		4.74
39)		1,3-Dichloropropane	0.753	0.811	0.863	0.839	0.841	0.821		5.20
40)		Tetrachloroethylene	0.830	0.835	0.900	0.893	0.888	0.869		3.90
41)		4-Methyl-2-Pentanone	0.250	0.296	0.380	0.368	0.404	0.340		18.95
42)		Dibromochloromethane	0.539	0.573	0.642	0.623	0.660	0.607		8.25
43)		1,2-Dibromoethane	0.399	0.436	0.493	0.478	0.492	0.460		8.93
44)	P,M	Chlorobenzene	1.630	1.776	1.882	1.842	1.849	1.796		5.60
45)	C	Ethyl Benzene	2.708	2.951	3.232	3.176	3.112	3.036		6.96#
46)		p- & m-Xylenes	2.151	2.281	2.491	2.419	2.306	2.330		5.63
47)		o-Xylene	2.050	2.212	2.363	2.297	2.212	2.227		5.28
48)		Styrene	1.361	1.550	1.764	1.765	1.770	1.642		11.13
49)		1,1,1,2-Tetrachloroet	0.557	0.593	0.640	0.622	0.628	0.608		5.45
50)		1,2-DICHLOROBENZENE-d	ISTD							
51)	p	Bromoform	0.793	0.868	1.015	0.986	1.007	0.934		10.54
52)	S	p-Bromofluorobenzene(	1.167	1.174	1.182	1.200	1.202	1.185		1.30
53)	P	1,1,2,2-Tetrachloroet	1.473	1.556	1.768	1.617	1.576	1.598		6.79
54)		1,2,3-Trichloropropan	0.356	0.371	0.440	0.405	0.402	0.395		8.31
55)		Isopropylbenzene	7.589	8.097	8.791	8.908	7.871	8.251		6.99
56)		1,2-Dibromo-3-Chlorop	0.120	0.131	0.158	0.149	0.161	0.144		12.47
57)		Bromobenzene	2.874	3.057	3.281	3.237	3.131	3.116		5.18
58)		n-Propylbenzene	0.859	0.917	1.017	1.036	0.952	0.956	E1	7.60
59)		2-Chlorotoluene	5.163	5.647	5.958	5.968	5.499	5.647		5.98
60)		4-Chlorotoluene	5.374	5.838	6.270	6.183	5.649	5.863		6.35
61)		tert-Butylbenzene	5.111	5.535	5.965	6.022	5.483	5.623		6.69
62)		1,3,5-trimethylbenzen	7.230	7.725	8.517	8.672	8.041	8.037		7.31
63)		1,2,4-trimethylbenzen	4.971	5.342	5.646	5.567	5.098	5.325		5.47
64)		sec-Butylbenzene	7.589	8.097	8.791	8.908	7.871	8.251		6.99
65)		1,3-Dichlorobenzene	2.945	3.129	3.341	3.318	3.155	3.178		5.06
66)		1,4-Dichlorobenzene	2.932	2.976	3.181	3.197	3.099	3.077		3.87
67)		1,2-Dichlorobenzene	2.570	2.682	2.776	2.687	2.595	2.662		3.08
68)		p-Isopropyltoluene	5.225	5.718	6.064	6.196	5.432	5.727		7.16
69)		n-Butylbenzene	4.883	5.335	5.680	5.715	4.866	5.296		7.79
70)		1,2,4-Trichlorobenzen	0.898	1.091	1.120	1.152	1.097	1.072		9.35
71)		Naphthalene	0.838	1.290	1.604	1.642	1.749	1.425		25.94

#) = Out of Range

000096

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

Calibration Files
10 =V14373.D 20 =V14375.D 50 =V14377.D
100 =V14379.D 200 =V14381.D

	Compound	10	20	50	100	200	Avg	%RSD
72)	Hexachloro-1,3-Butadi	0.773	0.821	0.780	0.777	0.669	0.764	7.40
73)	1,2,3-Trichlorobenzen	0.628	0.787	0.830	0.820	0.795	0.772	10.68

#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14373.D Vial: 4
Acq On : 4 Jun 2004 3:10 pm Operator: SS
Sample : 10ppb VOA CALIBRATION STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 15:24 19104 Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	5.00	70	109178	50.00	ppb		-0.02
27) CHLOROBENZENE-d5(ISTD)	7.90	117	405827	50.00	ppb		0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.81	152	147282	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.70	65	101434	59.88	ppb		-0.02
Spiked Amount 50.000	Range 64 - 122		Recovery = 119.76%				
35) Toluene-d8(SURR)	6.46	98	487181	48.93	ppb		-0.01
Spiked Amount 50.000	Range 83 - 114		Recovery = 97.86%				
52) p-Bromofluorobenzene(SURR)	9.14	174	171811	50.73	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 101.46%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.41	85	110494	27.44	ppb		100
3) Chloromethane	1.55	50	99387	16.20	ppb		100
4) Vinyl Chloride	1.63	62	99922	13.94	ppb		100
5) Bromomethane	1.87	94	67095	13.15	ppb		100
6) Chloroethane	1.95	64	44910	11.53	ppb		100
7) Trichlorofluoromethane	2.14	101	112010	12.79	ppb		100
8) Freon-113	2.55	101	76601	9.53	ppb		97
9) 1,1-Dichloroethylene	2.55	61	80132	10.61	ppb		99
10) trans-1,2-Dichloroethylene	3.16	61	68741	9.87	ppb		98
11) Carbon Disulfide	2.72	76	191777	9.32	ppb		100
12) Methylene Chloride	2.94	49	73561	7.00	ppb		98
13) tert-Butyl Methyl Ether (M	3.18	73	82250	8.88	ppb		100
14) Acetone	2.59	43	9850	8.79	ppb	#	96
15) 1,1-Dichloroethane	3.51	63	84623	9.67	ppb		100
16) cis-1,2-Dichloroethylene	4.00	96	68053	11.07	ppb	#	98
17) 2-Butanone	4.02	72	2379	8.22	ppb		72
18) 2,2-Dichloropropane	3.99	77	87815	11.82	ppb		99
19) Bromochloromethane	4.21	49	35018	10.67	ppb	#	61
20) Chloroform	4.27	83	114931	11.78	ppb		100
21) 1,1,1-Trichloroethane	4.42	97	91756	11.41	ppb		100
22) 1,1-Dichloropropylene	4.57	75	85593	13.17	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14373.D
Acq On : 4 Jun 2004 3:10 pm
Sample : 10ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 15:24 19104

Vial: 4
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.58	117	81888	14.67	ppb	#	59
25) 1,2-Dichloroethane	4.77	62	48185	10.78	ppb		100
26) Benzene	4.75	78	232528	10.74	ppb		99
28) Trichloroethylene	5.33	95	62838	9.89	ppb		98
29) Dibromomethane	5.64	93	30890	10.04	ppb		99
30) Methyl Methacrylate	5.65	69	15652	7.33	ppb		99
31) Bromodichloromethane	5.79	83	68963	9.65	ppb	#	98
32) 1,2-Dichloropropane	5.53	63	51192	9.56	ppb		99
33) cis-1,3-Dichloropropene	6.21	75	69510	9.11	ppb		99
34) 2-Hexanone	7.21	43	11857	6.71	ppb	#	94
36) Toluene	6.53	91	222945	9.63	ppb		98
37) trans-1,3-Dichloropropene	6.74	75	49388	8.43	ppb		99
38) 1,1,2-Trichloroethane	6.92	83	31823	9.47	ppb		97
39) 1,3-Dichloropropane	7.09	76	61077	9.26	ppb	#	99
40) Tetrachloroethylene	7.06	166	67394	10.53	ppb		99
41) 4-Methyl-2-Pentanone	6.37	43	20264	7.13	ppb		100
42) Dibromochloromethane	7.31	129	43746	9.64	ppb		100
43) 1,2-Dibromoethane	7.42	107	32382	9.12	ppb		99
44) Chlorobenzene	7.93	112	132295	9.49	ppb		99
45) Ethyl Benzene	8.05	91	219834	9.15	ppb		100
46) p- & m-Xylenes	8.17	91	349182	18.96	ppb		100
47) o-Xylene	8.58	91	166372	9.40	ppb		100
48) Styrene	8.60	104	110473	8.39	ppb		99
49) 1,1,1,2-Tetrachloroethane	8.01	131	45236	9.76	ppb		92
51) Bromoform	8.79	173	23364	8.99	ppb	#	100
53) 1,1,2,2-Tetrachloroethane	9.31	83	43377	9.14	ppb	#	100
54) 1,2,3-Trichloropropane	9.35	110	10482	9.16	ppb		94
55) Isopropylbenzene	10.22	105	223546	9.13	ppb	#	100
56) 1,2-Dibromo-3-Chloropropan	11.70	75	3533	8.51	ppb	#	100
57) Bromobenzene	9.29	77	84651	9.01	ppb	#	98
58) n-Propylbenzene	9.43	91	252922	8.84	ppb		100
59) 2-Chlorotoluene	9.51	91	152075	8.60	ppb	#	91
60) 4-Chlorotoluene	9.63	91	158301	9.07	ppb	#	100
61) tert-Butylbenzene	9.97	119	150544	9.03	ppb	#	64

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14373.D
Acq On : 4 Jun 2004 3:10 pm
Sample : 10ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 15:24 19104

Vial: 4
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	1,3,5-trimethylbenzene	8.98	105	212975	9.05	ppb		100
63)	1,2,4-trimethylbenzene	10.03	105	146436	9.43	ppb		100
64)	sec-Butylbenzene	10.22	105	223546	9.13	ppb	#	100
65)	1,3-Dichlorobenzene	10.33	146	86749	9.44	ppb	#	99
66)	1,4-Dichlorobenzene	10.43	146	86379	9.64	ppb	#	100
67)	1,2-Dichlorobenzene	10.83	146	75700	9.82	ppb	#	100
68)	p-Isopropyltoluene	10.38	119	153895	9.07	ppb	#	100
69)	n-Butylbenzene	10.83	91	143839	9.00	ppb		99
70)	1,2,4-Trichlorobenzene	12.63	180	26440	8.93	ppb		99
71)	Naphthalene	12.90	128	24698	5.71	ppb	#	97
72)	Hexachloro-1,3-Butadiene	12.84	225	22773	17.54	ppb		98
73)	1,2,3-Trichlorobenzene	13.18	182	18492	8.67	ppb	#	100

(#) = qualifier out of range (m) = manual integration

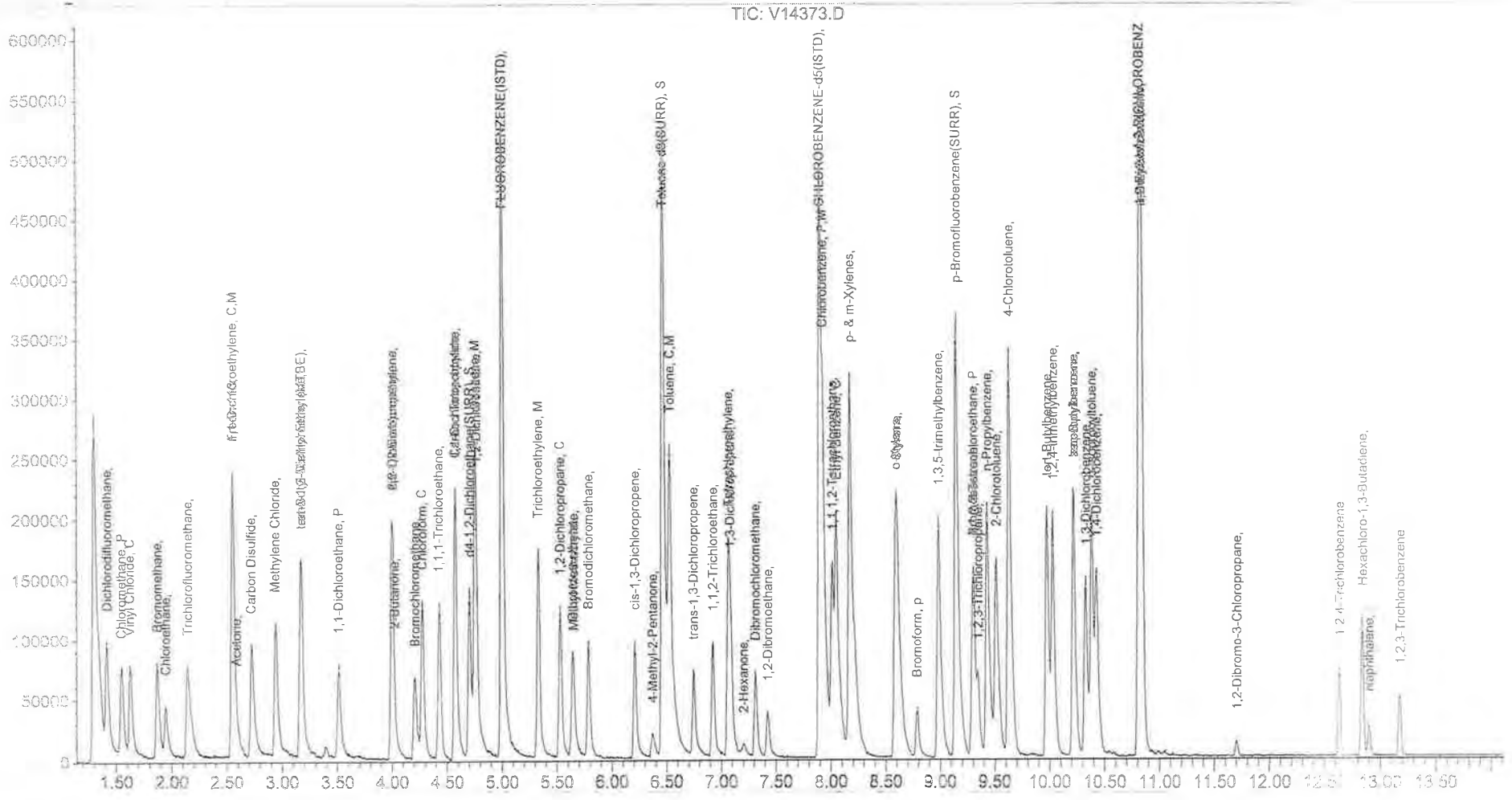
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14373.D
Acq On : 4 Jun 2004 3:10 pm
Sample : 10ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 15:24 19104

Vial: 4
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration



I0I0001

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14375.D
Acq On : 4 Jun 2004 3:50 pm
Sample : 20ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:04 19104

Vial: 6
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.99	70	109410	50.00	ppb		-0.02
27) CHLOROBENZENE-d5(ISTD)	7.88	117	416790	50.00	ppb		-0.03
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	152435	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	94355	55.58	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 111.16%				
35) Toluene-d8(SURR)	6.45	98	492435	48.16	ppb		-0.03
Spiked Amount 50.000	Range 83 - 114		Recovery = 96.32%				
52) p-Bromofluorobenzene(SURR)	9.12	174	179023	51.07	ppb		-0.03
Spiked Amount 50.000	Range 71 - 126		Recovery = 102.14%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.42	85	189281	46.90	ppb		98
3) Chloromethane	1.55	50	178042	28.96	ppb		100
4) Vinyl Chloride	1.63	62	185054	25.75	ppb		100
5) Bromomethane	1.87	94	127341	24.90	ppb		98
6) Chloroethane	1.95	64	84465	21.64	ppb		99
7) Trichlorofluoromethane	2.15	101	217036	24.74	ppb		100
8) Freon-113	2.55	101	157118	19.51	ppb		98
9) 1,1-Dichloroethylene	2.55	61	154136	20.36	ppb		99
10) trans-1,2-Dichloroethylene	3.16	61	140534	20.13	ppb		98
11) Carbon Disulfide	2.72	76	388313	18.82	ppb		100
12) Methylene Chloride	2.94	49	133804	12.71	ppb		98
13) tert-Butyl Methyl Ether (M	3.17	73	176508	19.01	ppb		100
14) Acetone	2.60	43	20512	18.27	ppb		99
15) 1,1-Dichloroethane	3.51	63	172263	19.65	ppb		100
16) cis-1,2-Dichloroethylene	3.99	96	142910	23.20	ppb	#	99
17) 2-Butanone	4.01	72	6890	23.75	ppb		86
18) 2,2-Dichloropropane	3.99	77	179175	24.07	ppb		100
19) Bromochloromethane	4.20	49	75971	23.10	ppb		95
20) Chloroform	4.27	83	229782	23.50	ppb		99
21) 1,1,1-Trichloroethane	4.42	97	188718	23.43	ppb		100
22) 1,1-Dichloropropylene	4.56	75	179060	27.50	ppb		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14375.D
Acq On : 4 Jun 2004 3:50 pm
Sample : 20ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:04 19104

Vial: 6
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24)	Carbon Tetrachloride	4.56	117	175171	31.31	ppb		99
25)	1,2-Dichloroethane	4.76	62	100242	22.38	ppb		100
26)	Benzene	4.74	78	473638	21.82	ppb		99
28)	Trichloroethylene	5.32	95	131567	20.17	ppb		98
29)	Dibromomethane	5.63	93	63618	20.13	ppb		97
30)	Methyl Methacrylate	5.64	69	35641	16.26	ppb		99
31)	Bromodichloromethane	5.77	83	150666	20.53	ppb		99
32)	1,2-Dichloropropane	5.52	63	106705	19.39	ppb		98
33)	cis-1,3-Dichloropropene	6.19	75	151070	19.29	ppb		99
34)	2-Hexanone	7.19	43	31083	17.13	ppb		100
36)	Toluene	6.51	91	473200	19.90	ppb		100
37)	trans-1,3-Dichloropropene	6.73	75	115728	19.23	ppb		100
38)	1,1,2-Trichloroethane	6.91	83	68796	19.94	ppb	#	80
39)	1,3-Dichloropropane	7.07	76	135228	19.95	ppb	#	100
40)	Tetrachloroethylene	7.05	166	139195	21.17	ppb		97
41)	4-Methyl-2-Pentanone	6.36	43	49391	16.92	ppb		100
42)	Dibromochloromethane	7.29	129	95560	20.51	ppb		97
43)	1,2-Dibromoethane	7.40	107	72702	19.94	ppb		100
44)	Chlorobenzene	7.91	112	296138	20.68	ppb		98
45)	Ethyl Benzene	8.03	91	491907	19.93	ppb		100
46)	p- & m-Xylenes	8.16	91	760709	40.22	ppb		100
47)	o-Xylene	8.57	91	368777	20.28	ppb		100
48)	Styrene	8.59	104	258449	19.11	ppb		99
49)	1,1,1,2-Tetrachloroethane	8.00	131	98920	20.77	ppb		99
51)	Bromoform	8.77	173	52954	19.68	ppb	#	100
53)	1,1,2,2-Tetrachloroethane	9.29	83	94886	19.32	ppb	#	100
54)	1,2,3-Trichloropropane	9.33	110	22633	19.11	ppb		98
55)	Isopropylbenzene	10.20	105	493729	19.49	ppb		100
56)	1,2-Dibromo-3-Chloropropan	11.68	75	7976	18.57	ppb	#	100
57)	Bromobenzene	9.27	77	186419	19.17	ppb	#	98
58)	n-Propylbenzene	9.41	91	558859	18.87	ppb		100
59)	2-Chlorotoluene	9.49	91	344312	18.81	ppb	#	92
60)	4-Chlorotoluene	9.61	91	355959	19.71	ppb	#	100
61)	tert-Butylbenzene	9.96	119	337477	19.55	ppb	#	64

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14375.D Vial: 6
Acq On : 4 Jun 2004 3:50 pm Operator: SS
Sample : 20ppb VOA CALIBRATION STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:04 19104 Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62) 1,3,5-trimethylbenzene	8.97	105	471029	19.33	ppb		100
63) 1,2,4-trimethylbenzene	10.01	105	325700	20.26	ppb		99
64) sec-Butylbenzene	10.20	105	493729	19.49	ppb	#	100
65) 1,3-Dichlorobenzene	10.31	146	190816	20.05	ppb	#	100
66) 1,4-Dichlorobenzene	10.41	146	181448	19.57	ppb	#	99
67) 1,2-Dichlorobenzene	10.82	146	163543	20.50	ppb	#	99
68) p-Isopropyltoluene	10.36	119	348622	19.85	ppb	#	100
69) n-Butylbenzene	10.82	91	325296	19.67	ppb		99
70) 1,2,4-Trichlorobenzene	12.62	180	66498	21.69	ppb		100
71) Naphthalene	12.88	128	78670	17.56	ppb	#	97
72) Hexachloro-1,3-Butadiene	12.82	225	50048	37.24	ppb	#	75
73) 1,2,3-Trichlorobenzene	13.16	182	47972	21.73	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

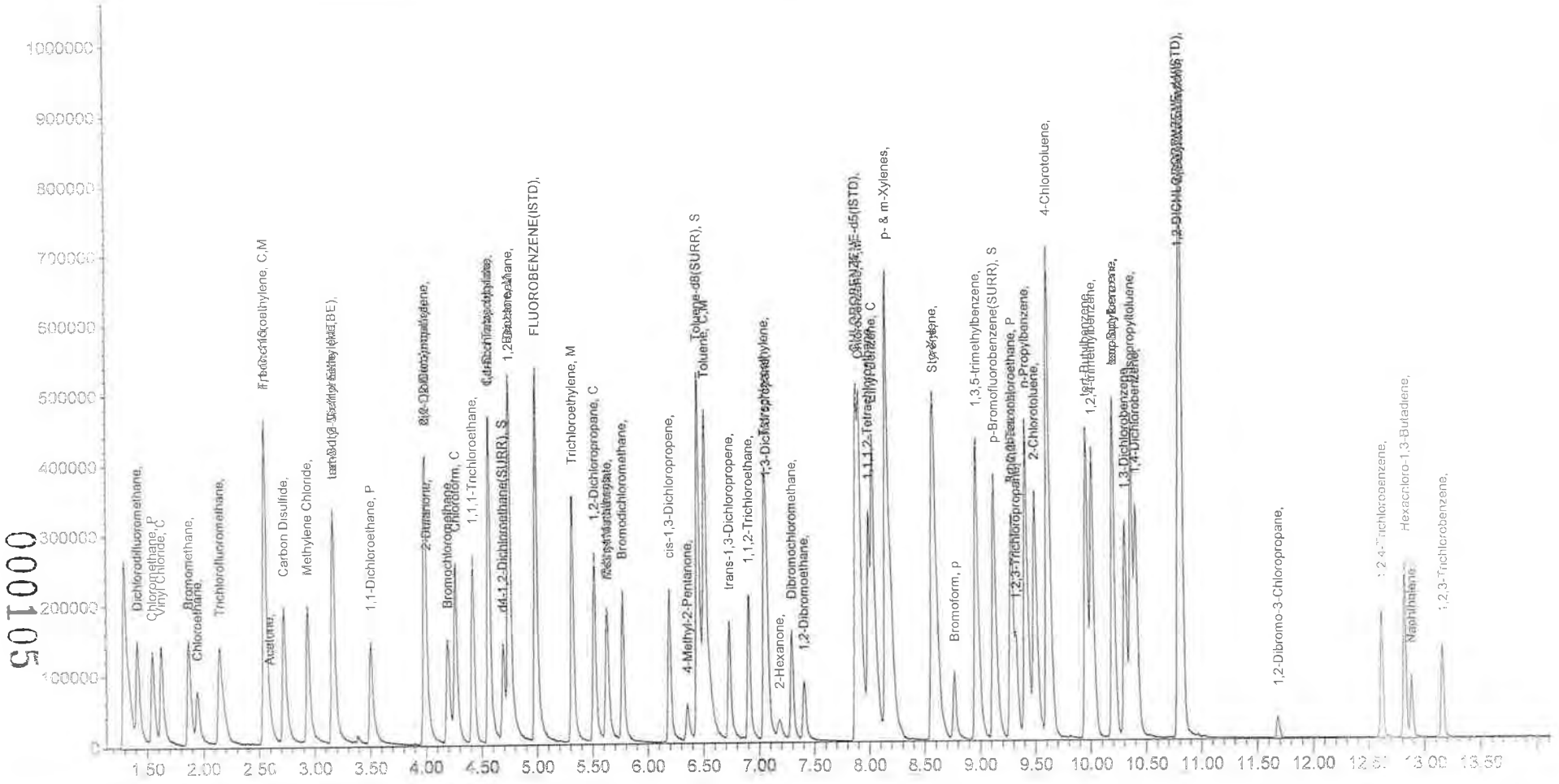
Data File : C:\HPCHEM\1\DATA\V14375.D
Acq On : 4 Jun 2004 3:50 pm
Sample : 20ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:04 19104

Vial: 6
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

TIC: V14375.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14377.D
Acq On : 4 Jun 2004 4:30 pm
Sample : 50ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:44 19104

Vial: 8
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.99	70	114673	50.00	ppb		-0.02
27) CHLOROBENZENE-d5(ISTD)	7.89	117	427490	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	152730	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	100155	56.29	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 112.58%				
35) Toluene-d8(SURR)	6.45	98	511990	48.82	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 97.64%				
52) p-Bromofluorobenzene(SURR)	9.13	174	180601	51.42	ppb		-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 102.84%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.41	85	601081	142.10	ppb		100
3) Chloromethane	1.55	50	527253	81.81	ppb		100
4) Vinyl Chloride	1.62	62	540355	71.75	ppb		100
5) Bromomethane	1.87	94	382531	71.38	ppb		99
6) Chloroethane	1.94	64	256122	62.60	ppb		100
7) Trichlorofluoromethane	2.14	101	606528	65.96	ppb		100
8) Freon-113	2.55	101	489083	57.93	ppb		100
9) 1,1-Dichloroethylene	2.55	61	472142	59.52	ppb		99
10) trans-1,2-Dichloroethylene	3.16	61	436539	59.65	ppb		100
11) Carbon Disulfide	2.72	76	1259969	58.27	ppb		100
12) Methylene Chloride	2.93	49	392543	35.57	ppb		99
13) tert-Butyl Methyl Ether (M	3.17	73	565521	58.11	ppb		99
14) Acetone	2.59	43	50569	42.98	ppb		99
15) 1,1-Dichloroethane	3.50	63	529569	57.63	ppb		100
16) cis-1,2-Dichloroethylene	3.99	96	375145	58.10	ppb	#	99
17) 2-Butanone	4.01	72	19019	62.55	ppb		98
18) 2,2-Dichloropropane	3.99	77	475213	60.90	ppb		99
19) Bromochloromethane	4.19	49	192889	55.97	ppb		98
20) Chloroform	4.26	83	589643	57.54	ppb		100
21) 1,1,1-Trichloroethane	4.42	97	513291	60.79	ppb	#	70
22) 1,1-Dichloropropylene	4.56	75	509945	74.71	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14377.D
Acq On : 4 Jun 2004 4:30 pm
Sample : 50ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:44 19104

Vial: 8
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.56	117	475516	81.08	ppb		99
25) 1,2-Dichloroethane	4.76	62	284522	60.60	ppb		99
26) Benzene	4.74	78	1317337	57.91	ppb		100
28) Trichloroethylene	5.32	95	378451	56.57	ppb		99
29) Dibromomethane	5.63	93	180519	55.70	ppb		98
30) Methyl Methacrylate	5.63	69	120240	53.48	ppb		100
31) Bromodichloromethane	5.77	83	415858	55.26	ppb		100
32) 1,2-Dichloropropane	5.52	63	296865	52.60	ppb		99
33) cis-1,3-Dichloropropene	6.19	75	443681	55.23	ppb		100
34) 2-Hexanone	7.18	43	106806	57.40	ppb		99
36) Toluene	6.51	91	1317101	54.02	ppb		99
37) trans-1,3-Dichloropropene	6.73	75	347862	56.36	ppb		100
38) 1,1,2-Trichloroethane	6.91	83	189737	53.61	ppb		99
39) 1,3-Dichloropropane	7.07	76	369025	53.09	ppb	#	93
40) Tetrachloroethylene	7.05	166	384790	57.06	ppb		97
41) 4-Methyl-2-Pentanone	6.35	43	162575	54.30	ppb		100
42) Dibromochloromethane	7.30	129	274416	57.43	ppb		98
43) 1,2-Dibromoethane	7.41	107	210732	56.35	ppb		99
44) Chlorobenzene	7.92	112	804739	54.80	ppb		99
45) Ethyl Benzene	8.04	91	1381796	54.57	ppb		100
46) p- & m-Xylenes	8.16	91	2129444	109.77	ppb		100
47) o-Xylene	8.57	91	1010310	54.17	ppb		100
48) Styrene	8.59	104	754163	54.36	ppb		99
49) 1,1,1,2-Tetrachloroethane	8.00	131	273516	56.01	ppb		97
51) Bromoform	8.77	173	154989	57.49	ppb	#	100
53) 1,1,2,2-Tetrachloroethane	9.29	83	269974	54.86	ppb	#	100
54) 1,2,3-Trichloropropane	9.33	110	67255	56.67	ppb		80
55) Isopropylbenzene	10.21	105	1342647	52.89	ppb	#	97
56) 1,2-Dibromo-3-Chloropropan	11.69	75	24184	56.20	ppb	#	100
57) Bromobenzene	9.28	77	501078	51.42	ppb	#	98
58) n-Propylbenzene	9.41	91	1553140	52.35	ppb		100
59) 2-Chlorotoluene	9.50	91	909931	49.62	ppb	#	91
60) 4-Chlorotoluene	9.62	91	957679	52.92	ppb	#	100
61) tert-Butylbenzene	9.96	119	911001	52.68	ppb	#	64

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14377.D
Acq On : 4 Jun 2004 4:30 pm
Sample : 50ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:44 19104

Vial: 8
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	1,3,5-trimethylbenzene	8.97	105	1300772	53.28	ppb		100
63)	1,2,4-trimethylbenzene	10.02	105	862375	53.55	ppb		99
64)	sec-Butylbenzene	10.21	105	1342647	52.89	ppb	#	100
65)	1,3-Dichlorobenzene	10.32	146	510294	53.53	ppb	#	100
66)	1,4-Dichlorobenzene	10.41	146	485774	52.28	ppb	#	100
67)	1,2-Dichlorobenzene	10.82	146	423970	53.05	ppb	#	100
68)	p-Isopropyltoluene	10.37	119	926095	52.64	ppb	#	100
69)	n-Butylbenzene	10.83	91	867563	52.35	ppb	#	74
70)	1,2,4-Trichlorobenzene	12.62	180	171101	55.71	ppb		98
71)	Naphthalene	12.89	128	244984	54.58	ppb	#	97
72)	Hexachloro-1,3-Butadiene	12.83	225	119198	88.51	ppb		99
73)	1,2,3-Trichlorobenzene	13.16	182	126783	57.33	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

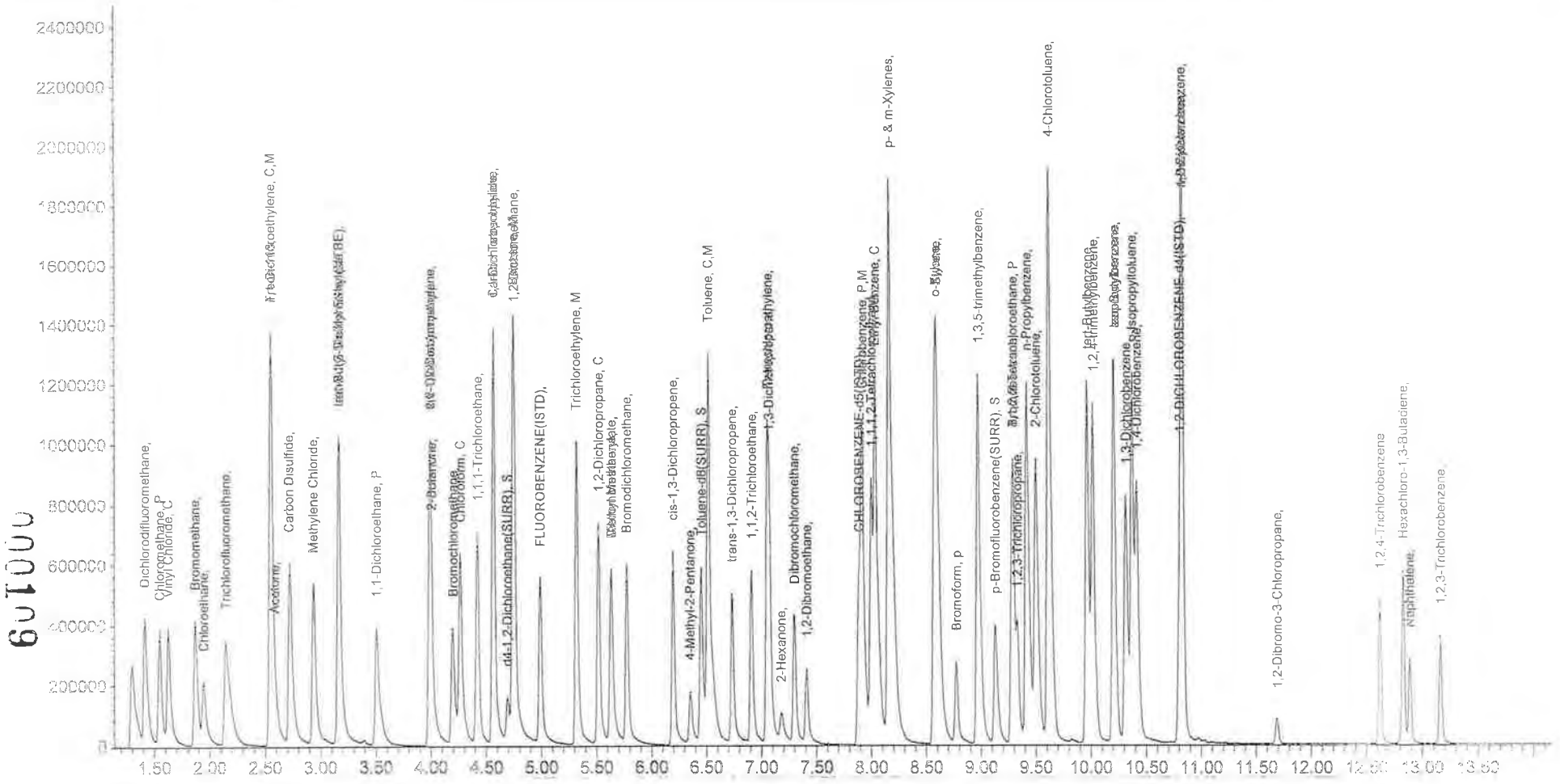
Data File : C:\HPCHEM\1\DATA\V14377.D
Acq On : 4 Jun 2004 4:30 pm
Sample : 50ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 16:44 19104

Vial: 8
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

TIC: V14377.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14379.D
Acq On : 4 Jun 2004 5:10 pm
Sample : 100ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 17:24 19104

Vial: 10
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.98	70	116475	50.00	ppb		-0.03
27) CHLOROBENZENE-d5(ISTD)	7.89	117	437178	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	151106	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	97594	54.00	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 108.00%				
35) Toluene-d8(SURR)	6.45	98	523243	48.79	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 97.58%				
52) p-Bromofluorobenzene(SURR)	9.13	174	181273	52.17	ppb		-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 104.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.41	85	1208384	281.26	ppb		100
3) Chloromethane	1.54	50	1038513	158.65	ppb		100
4) Vinyl Chloride	1.62	62	1088573	142.30	ppb		100
5) Bromomethane	1.87	94	751745	138.10	ppb		98
6) Chloroethane	1.95	64	508988	122.47	ppb		99
7) Trichlorofluoromethane	2.15	101	1231547	131.85	ppb		100
8) Freon-113	2.55	101	956107	111.50	ppb		98
9) 1,1-Dichloroethylene	2.55	61	948730	117.74	ppb		100
10) trans-1,2-Dichloroethylene	3.16	61	872305	117.35	ppb		99
11) Carbon Disulfide	2.72	76	2564867	116.79	ppb		100
12) Methylene Chloride	2.93	49	742732	66.26	ppb		99
13) tert-Butyl Methyl Ether (M	3.16	73	1141256	115.46	ppb		100
14) Acetone	2.59	43	82816	69.29	ppb		99
15) 1,1-Dichloroethane	3.51	63	1066797	114.30	ppb		99
16) cis-1,2-Dichloroethylene	3.99	96	750102	114.38	ppb	#	99
17) 2-Butanone	4.01	72	35285	114.26	ppb		98
18) 2,2-Dichloropropane	3.99	77	956087	120.64	ppb		100
19) Bromochloromethane	4.20	49	377274	107.77	ppb		99
20) Chloroform	4.27	83	1192580	114.58	ppb		100
21) 1,1,1-Trichloroethane	4.42	97	1021124	119.07	ppb		99
22) 1,1-Dichloropropylene	4.56	75	1032642	148.95	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14379.D
Acq On : 4 Jun 2004 5:10 pm
Sample : 100ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 17:24 19104

Vial: 10
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.57	117	940676	157.91	ppb		99
25) 1,2-Dichloroethane	4.76	62	558613	117.14	ppb		99
26) Benzene	4.74	78	2620777	113.43	ppb		100
28) Trichloroethylene	5.32	95	754362	110.25	ppb		99
29) Dibromomethane	5.62	93	355864	107.38	ppb		98
30) Methyl Methacrylate	5.63	69	247328	107.56	ppb		100
31) Bromodichloromethane	5.77	83	824690	107.15	ppb		99
32) 1,2-Dichloropropane	5.52	63	595460	103.17	ppb		99
33) cis-1,3-Dichloropropene	6.19	75	887592	108.03	ppb		100
34) 2-Hexanone	7.18	43	207295	108.93	ppb		99
36) Toluene	6.51	91	2653744	106.42	ppb		100
37) trans-1,3-Dichloropropene	6.73	75	697819	110.54	ppb		100
38) 1,1,2-Trichloroethane	6.91	83	370950	102.49	ppb		99
39) 1,3-Dichloropropane	7.07	76	733870	103.23	ppb	#	93
40) Tetrachloroethylene	7.05	166	781069	113.25	ppb		97
41) 4-Methyl-2-Pentanone	6.35	43	321410	104.97	ppb		100
42) Dibromochloromethane	7.30	129	544868	111.49	ppb		100
43) 1,2-Dibromoethane	7.41	107	417564	109.18	ppb		100
44) Chlorobenzene	7.92	112	1610918	107.26	ppb		98
45) Ethyl Benzene	8.04	91	2777178	107.25	ppb		100
46) p- & m-Xylenes	8.16	91	4230483	213.24	ppb		100
47) o-Xylene	8.57	91	2008364	105.30	ppb		100
48) Styrene	8.59	104	1542828	108.73	ppb		100
49) 1,1,1,2-Tetrachloroethane	8.00	131	543475	108.82	ppb		96
51) Bromoform	8.77	173	298075	111.76	ppb	#	100
53) 1,1,2,2-Tetrachloroethane	9.29	83	488709	100.38	ppb	#	100
54) 1,2,3-Trichloropropane	9.33	110	122418	104.25	ppb		92
55) Isopropylbenzene	10.21	105	2692069	107.19	ppb		100
56) 1,2-Dibromo-3-Chloropropan	11.68	75	45143	106.04	ppb	#	100
57) Bromobenzene	9.28	77	978356	101.48	ppb	#	98
58) n-Propylbenzene	9.41	91	3130362	106.65	ppb		100
59) 2-Chlorotoluene	9.50	91	1803702	99.41	ppb	#	91
60) 4-Chlorotoluene	9.62	91	1868614	104.36	ppb	#	100
61) tert-Butylbenzene	9.96	119	1819973	106.38	ppb	#	64

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14379.D
Acq On : 4 Jun 2004 5:10 pm
Sample : 100ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 17:24 19104

Vial: 10
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
62) 1,3,5-trimethylbenzene	8.97	105	2620826	108.50 ppb		100
63) 1,2,4-trimethylbenzene	10.02	105	1682301	105.59 ppb		100
64) sec-Butylbenzene	10.21	105	2692069	107.19 ppb	#	100
65) 1,3-Dichlorobenzene	10.32	146	1002638	106.30 ppb	#	100
66) 1,4-Dichlorobenzene	10.41	146	966281	105.12 ppb	#	100
67) 1,2-Dichlorobenzene	10.82	146	812000	102.69 ppb	#	99
68) p-Isopropyltoluene	10.37	119	1872626	107.59 ppb	#	100
69) n-Butylbenzene	10.82	91	1727234	105.34 ppb		100
70) 1,2,4-Trichlorobenzene	12.62	180	348196	114.59 ppb		100
71) Naphthalene	12.89	128	496249	111.75 ppb	#	97
72) Hexachloro-1,3-Butadiene	12.83	225	234776	176.21 ppb	#	76
73) 1,2,3-Trichlorobenzene	13.16	182	247754	113.24 ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

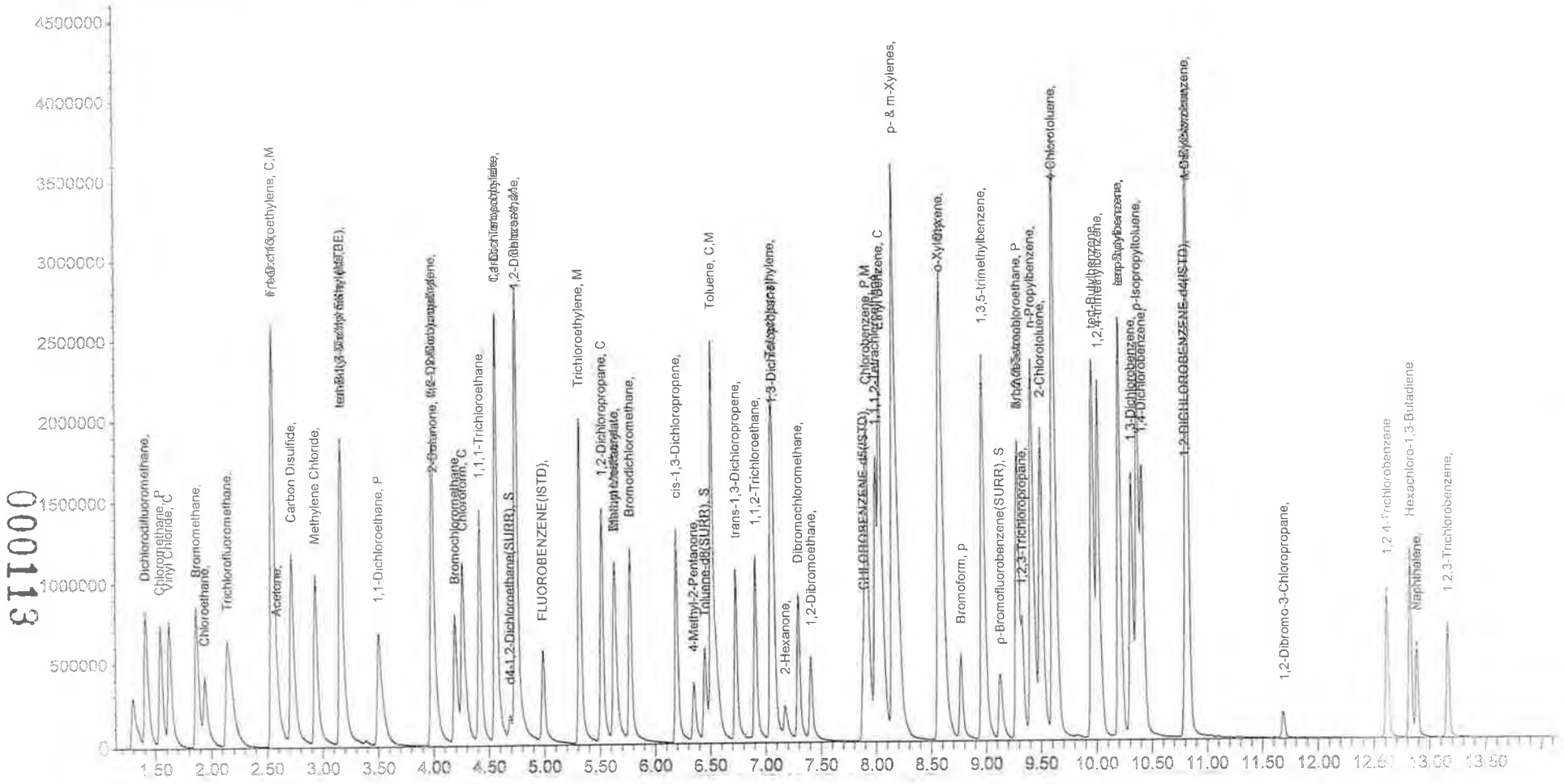
Data File : C:\HPCHEM\1\DATA\V14379.D
Acq On : 4 Jun 2004 5:10 pm
Sample : 100ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 17:24 19104

Vial: 10
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

TIC: V14379.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14381.D
Acq On : 4 Jun 2004 5:50 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 18:04 19104

Vial: 12
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.99	70	121355	50.00	ppb		-0.03
27) CHLOROBENZENE-d5(ISTD)	7.89	117	454890	50.00	ppb		-0.02
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	163030	50.00	ppb		-0.02
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	98556	52.34	ppb		-0.03
Spiked Amount 50.000	Range 64 - 122		Recovery = 104.68%				
35) Toluene-d8(SURR)	6.45	98	540950	48.47	ppb		-0.02
Spiked Amount 50.000	Range 83 - 114		Recovery = 96.94%				
52) p-Bromofluorobenzene(SURR)	9.13	174	195881	52.25	ppb		-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 104.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.41	85	2053214	458.68	ppb		100
3) Chloromethane	1.55	50	2032022	297.95	ppb		99
4) Vinyl Chloride	1.63	62	2113325	265.15	ppb		100
5) Bromomethane	1.87	94	1544614	272.34	ppb		99
6) Chloroethane	1.94	64	1021628	235.94	ppb		99
7) Trichlorofluoromethane	2.15	101	2434087	250.11	ppb		100
8) Freon-113	2.55	101	1882162	210.66	ppb		98
9) 1,1-Dichloroethylene	2.55	61	1867646	222.47	ppb		100
10) trans-1,2-Dichloroethylene	3.16	61	1702830	219.87	ppb		99
11) Carbon Disulfide	2.72	76	5036194	220.09	ppb		100
12) Methylene Chloride	2.93	49	1482880	126.97	ppb		99
13) tert-Butyl Methyl Ether (M	3.16	73	2378305	230.94	ppb		100
14) Acetone	2.59	43	333193	267.57	ppb		100
15) 1,1-Dichloroethane	3.51	63	2127267	218.75	ppb		99
16) cis-1,2-Dichloroethylene	3.99	96	1497225	219.13	ppb	#	100
17) 2-Butanone	4.01	72	92948	288.87	ppb		92
18) 2,2-Dichloropropane	3.99	77	1843372	223.24	ppb		100
19) Bromochloromethane	4.19	49	912965	250.32	ppb		95
20) Chloroform	4.27	83	2645640	243.97	ppb		99
21) 1,1,1-Trichloroethane	4.42	97	2175856	243.51	ppb		98
22) 1,1-Dichloropropylene	4.57	75	2014409	278.87	ppb		99

(#) = qualifier out of range (m) = manual integration

000114

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14381.D
Acq On : 4 Jun 2004 5:50 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 18:04 19104

Vial: 12
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24)	Carbon Tetrachloride	4.57	117	1872906	301.77	ppb		99
25)	1,2-Dichloroethane	4.76	62	1186560	238.81	ppb		100
26)	Benzene	4.74	78	5346419	222.09	ppb		100
28)	Trichloroethylene	5.32	95	1588859	223.18	ppb		99
29)	Dibromomethane	5.63	93	760825	220.63	ppb		99
30)	Methyl Methacrylate	5.64	69	554533	231.77	ppb		100
31)	Bromodichloromethane	5.77	83	1778633	222.10	ppb		99
32)	1,2-Dichloropropane	5.52	63	1227580	204.42	ppb		98
33)	cis-1,3-Dichloropropene	6.20	75	1916427	224.17	ppb		100
34)	2-Hexanone	7.18	43	577995	291.91	ppb		99
36)	Toluene	6.51	91	5469812	210.81	ppb		100
37)	trans-1,3-Dichloropropene	6.73	75	1504143	229.00	ppb		100
38)	1,1,2-Trichloroethane	6.91	83	789030	209.50	ppb		99
39)	1,3-Dichloropropane	7.07	76	1529464	206.77	ppb	#	93
40)	Tetrachloroethylene	7.05	166	1616647	225.28	ppb		99
41)	4-Methyl-2-Pentanone	6.35	43	735366	230.81	ppb		99
42)	Dibromochloromethane	7.30	129	1200597	236.11	ppb		99
43)	1,2-Dibromoethane	7.40	107	895741	225.09	ppb		99
44)	Chlorobenzene	7.92	112	3364661	215.31	ppb		98
45)	Ethyl Benzene	8.04	91	5662150	210.15	ppb		100
46)	p- & m-Xylenes	8.16	91	8390794	406.47	ppb		100
47)	o-Xylene	8.57	91	4025250	202.83	ppb		100
48)	Styrene	8.59	104	3220328	218.12	ppb		100
49)	1,1,1,2-Tetrachloroethane	8.00	131	1143423	220.02	ppb		97
51)	Bromoform	8.77	173	656723	228.22	ppb	#	100
53)	1,1,2,2-Tetrachloroethane	9.29	83	1027934	195.69	ppb	#	100
54)	1,2,3-Trichloropropane	9.33	110	262399	207.11	ppb		88
55)	Isopropylbenzene	10.20	105	5132587	189.41	ppb	#	97
56)	1,2-Dibromo-3-Chloropropan	11.69	75	105212	229.07	ppb	#	100
57)	Bromobenzene	9.28	77	2041496	196.26	ppb	#	97
58)	n-Propylbenzene	9.41	91	6208345	196.05	ppb		100
59)	2-Chlorotoluene	9.50	91	3585928	183.18	ppb	#	91
60)	4-Chlorotoluene	9.62	91	3683745	190.69	ppb	#	99
61)	tert-Butylbenzene	9.96	119	3575469	193.71	ppb	#	64

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14381.D
Acq On : 4 Jun 2004 5:50 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 18:04 19104

Vial: 12
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62) 1,3,5-trimethylbenzene	8.97	105	5244007	201.22	ppb		100
63) 1,2,4-trimethylbenzene	10.02	105	3324331	193.38	ppb		100
64) sec-Butylbenzene	10.20	105	5132587	189.41	ppb	#	100
65) 1,3-Dichlorobenzene	10.32	146	2057629	202.20	ppb	#	68
66) 1,4-Dichlorobenzene	10.41	146	2021224	203.80	ppb	#	100
67) 1,2-Dichlorobenzene	10.82	146	1692390	198.37	ppb	#	99
68) p-Isopropyltoluene	10.37	119	3542394	188.64	ppb	#	100
69) n-Butylbenzene	10.82	91	3173148	179.37	ppb		99
70) 1,2,4-Trichlorobenzene	12.62	180	715525	218.25	ppb		99
71) Naphthalene	12.89	128	1140761	238.11	ppb	#	97
72) Hexachloro-1,3-Butadiene	12.83	225	436270	303.50	ppb	#	79
73) 1,2,3-Trichlorobenzene	13.16	182	518269	219.55	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

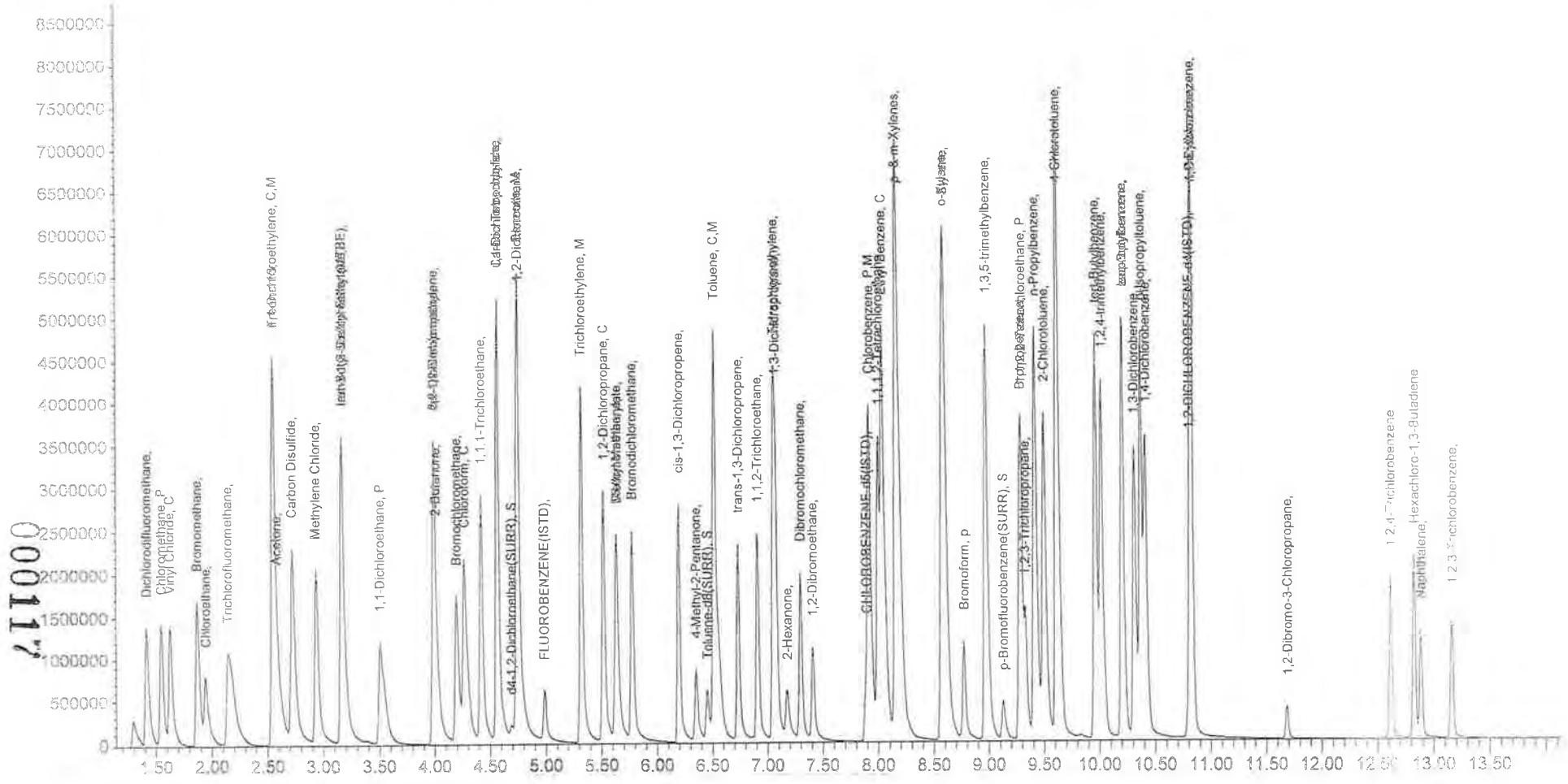
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Acq On : 4 Jun 2004 5:50 pm
Sample : 200ppb VOA CALIBRATION STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 18:04 19104

Vial: 12
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

TIC: V14381.D



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		FLUOROBENZENE(ISTD)	1.000	1.000	0.0	100	0.00
2		Dichlorodifluoromethane	4.809	5.267	-9.5	101	0.00
3	P	Chloromethane	4.372	4.708	-7.7	103	0.00
4	C	Vinyl Chloride	4.509	4.776	-5.9	102	0.00
5		Bromomethane	3.145	3.210	-2.1	97	-0.01
6		Chloroethane	2.102	2.133	-1.5	96	-0.01
7		Trichlorofluoromethane	5.136	5.274	-2.7	100	-0.01
8		Freon-113	3.869	4.126	-6.6	97	-0.01
9	C,M	1,1-Dichloroethylene	3.846	3.969	-3.2	97	0.00
10		trans-1,2-Dichloroethylene	3.484	3.547	-1.8	94	0.00
11		Carbon Disulfide	10.006	10.315	-3.1	94	-0.01
12		Methylene Chloride	3.219	3.077	4.4	90	-0.01
13		tert-Butyl Methyl Ether (MT	4.506	4.836	-7.3	98	0.00
14		Acetone	0.481	0.479	0.4	109	0.00
15	P	1,1-Dichloroethane	4.278	4.336	-1.4	94	-0.01
16		cis-1,2-Dichloroethylene	3.192	3.593	-12.6	110	-0.01
17		2-Butanone	0.155	0.215	-38.7#	130	0.00
18		2,2-Dichloropropane	4.032	4.321	-7.2	105	-0.01
19		Bromochloromethane	1.704	1.954	-14.7	117	0.00
20	C	Chloroform	5.245	5.746	-9.6	112	-0.01
21		1,1,1-Trichloroethane	4.371	4.706	-7.7	106	0.00
22		1,1-Dichloropropylene	4.208	4.597	-9.2	104	0.00
23	S	d4-1,2-Dichloroethane(SURR)	0.863	0.872	-1.0	100	0.00
24		Carbon Tetrachloride	3.959	4.255	-7.5	103	-0.01
25		1,2-Dichloroethane	2.364	2.504	-5.9	101	0.00
26	M	Benzene	11.045	11.903	-7.8	104	0.00
27		CHLOROBENZENE-d5(ISTD)	1.000	1.000	0.0	104	-0.01
28	M	Trichloroethylene	0.837	0.875	-4.5	102	0.00
29		Dibromomethane	0.402	0.425	-5.7	104	-0.01
30		Methyl Methacrylate	0.255	0.289	-13.3	106	0.00
31		Bromodichloromethane	0.929	0.983	-5.8	105	0.00
32	C	1,2-Dichloropropane	0.664	0.692	-4.2	103	0.00
33		cis-1,3-Dichloropropene	0.974	1.030	-5.7	103	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
34		2-Hexanone	0.227	0.256	-12.8	106	-0.01
35	S	Toluene-d8(SURR)	1.193	1.189	0.3	103	0.00
36	C,M	Toluene	2.941	3.038	-3.3	102	0.00
37		trans-1,3-Dichloropropene	0.748	0.794	-6.1	101	0.00
38		1,1,2-Trichloroethane	0.421	0.454	-7.8	106	0.00
39		1,3-Dichloropropane	0.821	0.885	-7.8	106	0.00
40		Tetrachloroethylene	0.869	0.892	-2.6	103	0.00
41		4-Methyl-2-Pentanone	0.340	0.387	-13.8	105	0.00
42		Dibromochloromethane	0.607	0.641	-5.6	104	0.00
43		1,2-Dibromoethane	0.460	0.500	-8.7	105	0.00
44	P,M	Chlorobenzene	1.796	1.886	-5.0	104	-0.01
45	C	Ethyl Benzene	3.036	3.183	-4.8	102	-0.01
46		p- & m-Xylenes	2.330	2.465	-5.8	103	0.00
47		o-Xylene	2.227	2.336	-4.9	102	-0.01
48		Styrene	1.642	1.759	-7.1	103	-0.01
49		1,1,1,2-Tetrachloroethane	0.608	0.643	-5.8	104	-0.01
50		1,2-DICHLOROBENZENE-d4(ISTD	1.000	1.000	0.0	106	0.00
51	p	Bromoform	0.934	0.993	-6.3	104	0.00
52	S	p-Bromofluorobenzene(SURR)	1.185	1.183	0.2	106	0.00
53	P	1,1,2,2-Tetrachloroethane	1.598	1.650	-3.3	99	0.00
54		1,2,3-Trichloropropane	0.395	0.414	-4.8	100	0.00
55		Isopropylbenzene	8.251	8.469	-2.6	102	0.00
56		1,2-Dibromo-3-Chloropropane	0.144	0.143	0.7	96	0.00
57		Bromobenzene	3.116	3.174	-1.9	103	0.00
58		n-Propylbenzene	9.560	9.888	-3.4	103	-0.01
59		2-Chlorotoluene	5.647	5.538	1.9	99	-0.01
60		4-Chlorotoluene	5.863	5.974	-1.9	101	0.00
61		tert-Butylbenzene	5.623	5.858	-4.2	104	0.00
62		1,3,5-trimethylbenzene	8.037	8.364	-4.1	104	0.00
63		1,2,4-trimethylbenzene	5.325	5.495	-3.2	103	-0.01
64		sec-Butylbenzene	8.251	8.469	-2.6	102	0.00
65		1,3-Dichlorobenzene	3.178	3.218	-1.3	102	-0.01
66		1,4-Dichlorobenzene	3.077	3.087	-0.3	103	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
67	1,2-Dichlorobenzene	2.662	2.682	-0.8	103	0.00
68	p-Isopropyltoluene	5.727	5.865	-2.4	103	0.00
69	n-Butylbenzene	5.296	5.418	-2.3	101	0.00
70	1,2,4-Trichlorobenzene	1.072	1.016	5.2	96	0.00
71	Naphthalene	1.425	1.397	2.0	92	0.00
72	Hexachloro-1,3-Butadiene	0.764	0.748	2.1	102	0.02
73	1,2,3-Trichlorobenzene	0.772	0.715	7.4	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:57 19104

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.99	70	115078	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.88	117	443080	50.00	ppb		-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	162171	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	100327	50.51	ppb		0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 101.02%				
35) Toluene-d8(SURR)	6.45	98	526841	49.83	ppb		0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 99.66%				
52) p-Bromofluorobenzene(SURR)	9.13	174	191792	49.90	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 99.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.41	85	606169	54.77	ppb		99
3) Chloromethane	1.55	50	541816	53.84	ppb		100
4) Vinyl Chloride	1.62	62	549604	52.96	ppb		100
5) Bromomethane	1.86	94	369381	51.02	ppb		97
6) Chloroethane	1.94	64	245420	50.73	ppb		99
7) Trichlorofluoromethane	2.14	101	606875	51.34	ppb		100
8) Freon-113	2.55	101	474789	53.32	ppb		99
9) 1,1-Dichloroethylene	2.55	61	456794	51.61	ppb		99
10) trans-1,2-Dichloroethylene	3.16	61	408217	50.91	ppb		99
11) Carbon Disulfide	2.72	76	1187039	51.55	ppb		100
12) Methylene Chloride	2.93	49	354113	47.80	ppb		97
13) tert-Butyl Methyl Ether (M	3.16	73	556475	53.66	ppb		100
14) Acetone	2.59	43	55154	49.87	ppb		99
15) 1,1-Dichloroethane	3.50	63	498954	50.67	ppb		100
16) cis-1,2-Dichloroethylene	3.99	96	413426	56.28	ppb	#	99
17) 2-Butanone	4.01	72	24699	69.22	ppb		92
18) 2,2-Dichloropropane	3.98	77	497308	53.59	ppb		100
19) Bromochloromethane	4.20	49	224836	57.32	ppb		96
20) Chloroform	4.26	83	661258	54.78	ppb		100
21) 1,1,1-Trichloroethane	4.42	97	541602	53.83	ppb	#	100
22) 1,1-Dichloropropylene	4.56	75	529020	54.62	ppb		100

(#) = qualifier out of range (m) = manual integration

000121

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:57 19104

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24) Carbon Tetrachloride	4.56	117	489664	53.74	ppb		100
25) 1,2-Dichloroethane	4.76	62	288181	52.96	ppb		99
26) Benzene	4.74	78	1369801	53.89	ppb		100
28) Trichloroethylene	5.32	95	387681	52.27	ppb		100
29) Dibromomethane	5.62	93	188115	52.82	ppb		99
30) Methyl Methacrylate	5.64	69	127937	56.59	ppb		100
31) Bromodichloromethane	5.77	83	435418	52.87	ppb		99
32) 1,2-Dichloropropane	5.52	63	306826	52.13	ppb		100
33) cis-1,3-Dichloropropene	6.20	75	456334	52.88	ppb		100
34) 2-Hexanone	7.18	43	113374	56.26	ppb		99
36) Toluene	6.51	91	1346086	51.64	ppb		99
37) trans-1,3-Dichloropropene	6.73	75	351891	53.07	ppb		99
38) 1,1,2-Trichloroethane	6.91	83	201376	53.94	ppb		99
39) 1,3-Dichloropropane	7.07	76	392241	53.89	ppb	#	100
40) Tetrachloroethylene	7.05	166	395390	51.32	ppb		98
41) 4-Methyl-2-Pentanone	6.35	43	171405	56.96	ppb		99
42) Dibromochloromethane	7.30	129	284113	52.78	ppb		99
43) 1,2-Dibromoethane	7.40	107	221331	54.35	ppb		99
44) Chlorobenzene	7.91	112	835813	52.51	ppb		100
45) Ethyl Benzene	8.03	91	1410226	52.42	ppb		100
46) p- & m-Xylenes	8.16	91	2184119	105.80	ppb		100
47) o-Xylene	8.57	91	1035146	52.46	ppb		100
48) Styrene	8.58	104	779334	53.56	ppb		100
49) 1,1,1,2-Tetrachloroethane	7.99	131	285072	52.90	ppb		99
51) Bromoform	8.77	173	160967	53.14	ppb	#	76
53) 1,1,2,2-Tetrachloroethane	9.29	83	267541	51.62	ppb	#	70
54) 1,2,3-Trichloropropane	9.33	110	67205	52.46	ppb		95
55) Isopropylbenzene	10.20	105	1373403	51.32	ppb	#	100
56) 1,2-Dibromo-3-Chloropropan	11.68	75	23260	49.81	ppb		99
57) Bromobenzene	9.28	77	514737	50.93	ppb		99
58) n-Propylbenzene	9.41	91	1603478	51.71	ppb		100
59) 2-Chlorotoluene	9.49	91	898061	49.03	ppb	#	100
60) 4-Chlorotoluene	9.61	91	968875	50.95	ppb	#	100
61) tert-Butylbenzene	9.96	119	950074	52.09	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:57 19104

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62) 1,3,5-trimethylbenzene	8.97	105	1356373	52.03	ppb		100
63) 1,2,4-trimethylbenzene	10.01	105	891110	51.60	ppb		100
64) sec-Butylbenzene	10.20	105	1373403	51.32	ppb	#	100
65) 1,3-Dichlorobenzene	10.31	146	521848	50.63	ppb	#	100
66) 1,4-Dichlorobenzene	10.41	146	500685	50.17	ppb	#	100
67) 1,2-Dichlorobenzene	10.82	146	434934	50.37	ppb	#	99
68) p-Isopropyltoluene	10.37	119	951211	51.21	ppb	#	100
69) n-Butylbenzene	10.82	91	878626	51.15	ppb	#	100
70) 1,2,4-Trichlorobenzene	12.62	180	164775	47.41	ppb		100
71) Naphthalene	12.89	128	226533	49.02	ppb	#	100
73) 1,2,3-Trichlorobenzene	13.16	182	116001	46.34	ppb	#	95

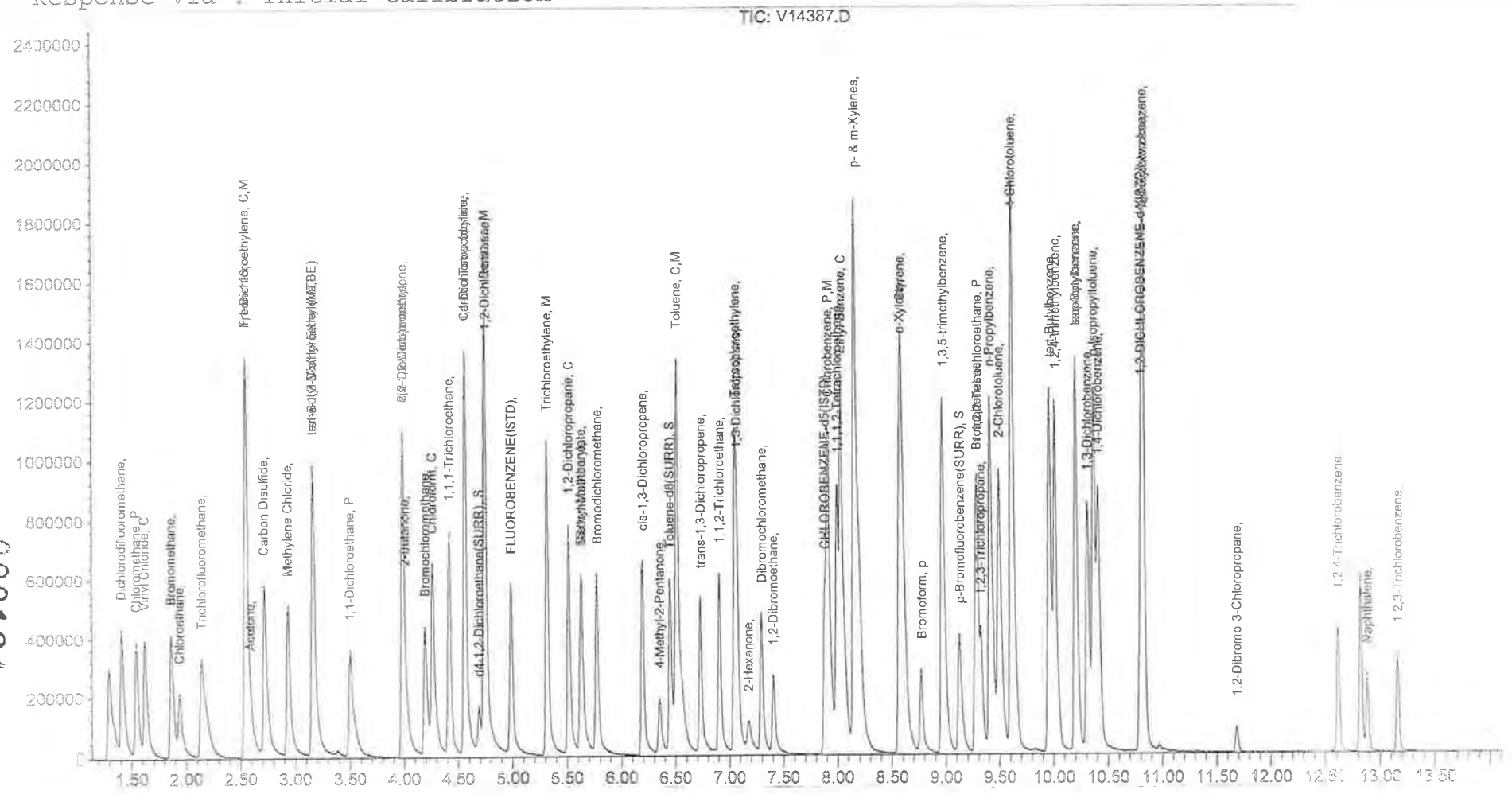
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:57 19104

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration

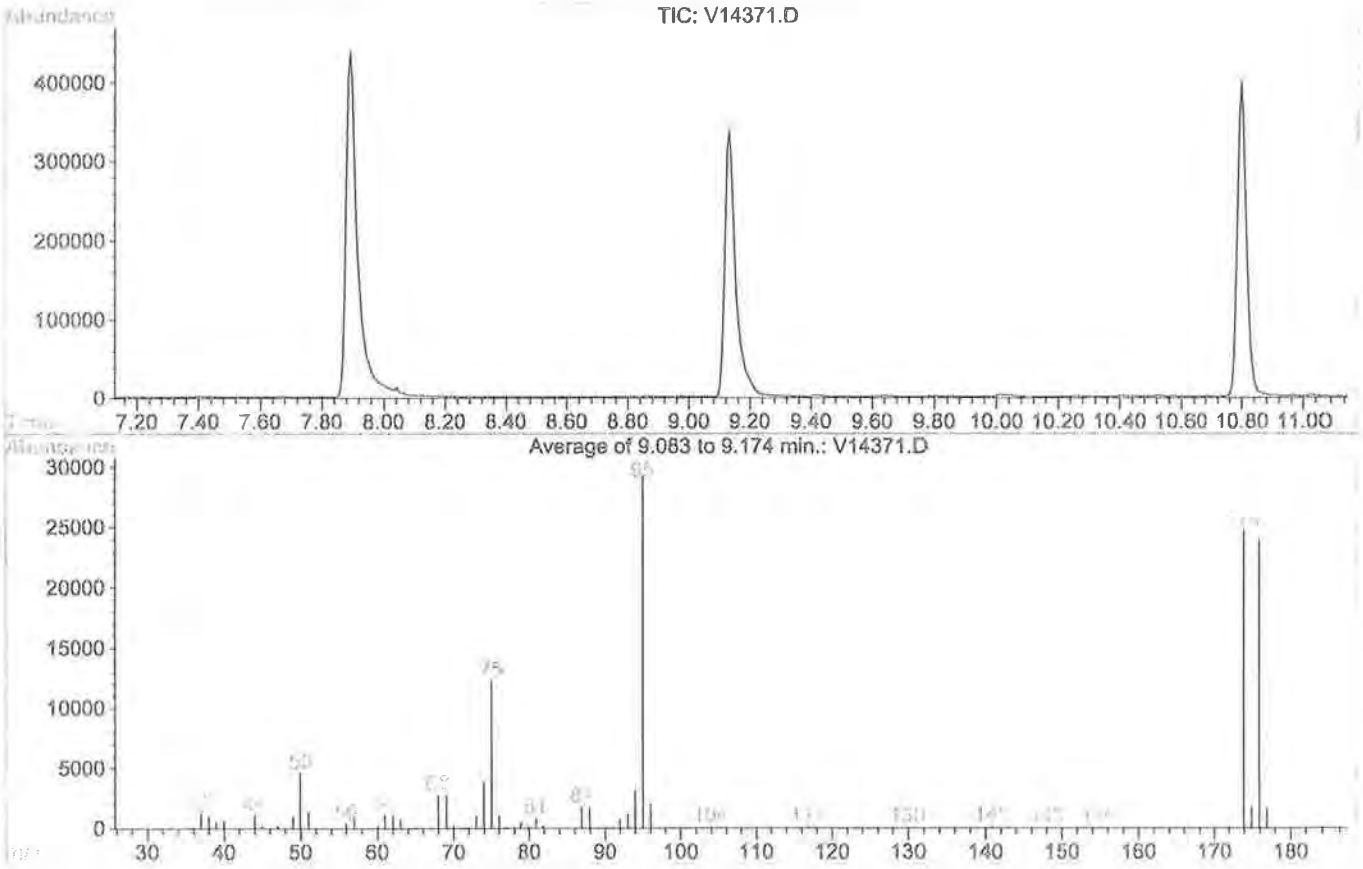


001424

BFB

Data File : C:\HPCHEM\1\DATA\V14371.D
Acq On : 4 Jun 2004 2:30 pm
Sample : MBLK
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260

Vial: 2
Operator: SS
Inst : VOA No.1
Multiplr: 1.00



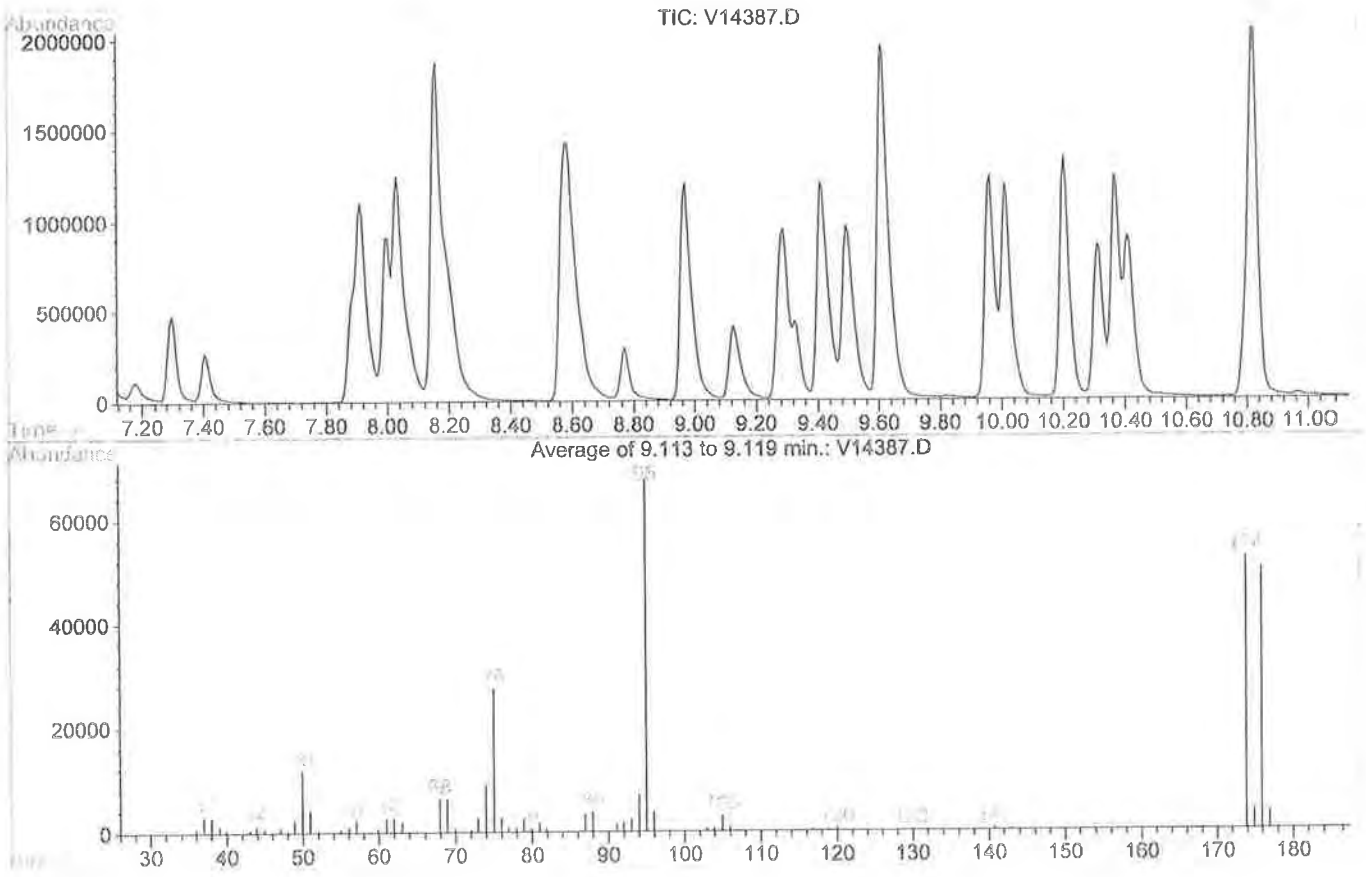
Spectrum Information: Average of 9.083 to 9.174 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	15.6	4570	PASS
75	95	30	60	41.9	12241	PASS
95	95	100	100	100.0	29240	PASS
96	95	5	9	6.9	2008	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.5	24698	PASS
175	174	5	9	7.0	1728	PASS
176	174	95	101	96.8	23908	PASS
177	176	5	9	6.5	1560	PASS

V14371.D V1C134B.M Mon Jun 07 13:52:17 2004

Data File : C:\HPCHEM\1\DATA\V14387.D
Acq On : 4 Jun 2004 7:53 pm
Sample : 50ppb VOA CAL CHECK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260

Vial: 18
Operator: SS
Inst : VOA No.1
Multiplr: 1.00



Spectrum Information: Average of 9.113 to 9.119 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	17.4	11791	PASS
75	95	30	60	40.3	27284	PASS
95	95	100	100	100.0	67644	PASS
96	95	5	9	5.5	3705	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	52284	PASS
175	174	5	9	7.2	3741	PASS
176	174	95	101	95.9	50136	PASS
177	176	5	9	6.9	3463	PASS

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14371.D
Acq On : 4 Jun 2004 2:30 pm
Sample : MBLK
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 14:44 19104

Vial: 2
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	5.00	70	108331	50.00	ppb	-0.01
27) CHLOROBENZENE-d5(ISTD)	7.89	117	406346	50.00	ppb	-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	138221	50.00	ppb	-0.02
System Monitoring Compounds						
23) d4-1,2-Dichloroethane(SURR	4.72	65	91891	54.67	ppb	0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 109.34%			
35) Toluene-d8(SURR)	6.47	98	461727	46.32	ppb	0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 92.64%			
52) p-Bromofluorobenzene(SURR)	9.13	174	157124	49.43	ppb	-0.02
Spiked Amount 50.000	Range 71 - 126		Recovery = 98.86%			
Target Compounds						Qvalue
12) Methylene Chloride	2.96	49	17742	1.70	ppb	98
41) 4-Methyl-2-Pentanone	6.39	43	1220	0.43	ppb #	83

(#) = qualifier out of range (m) = manual integration

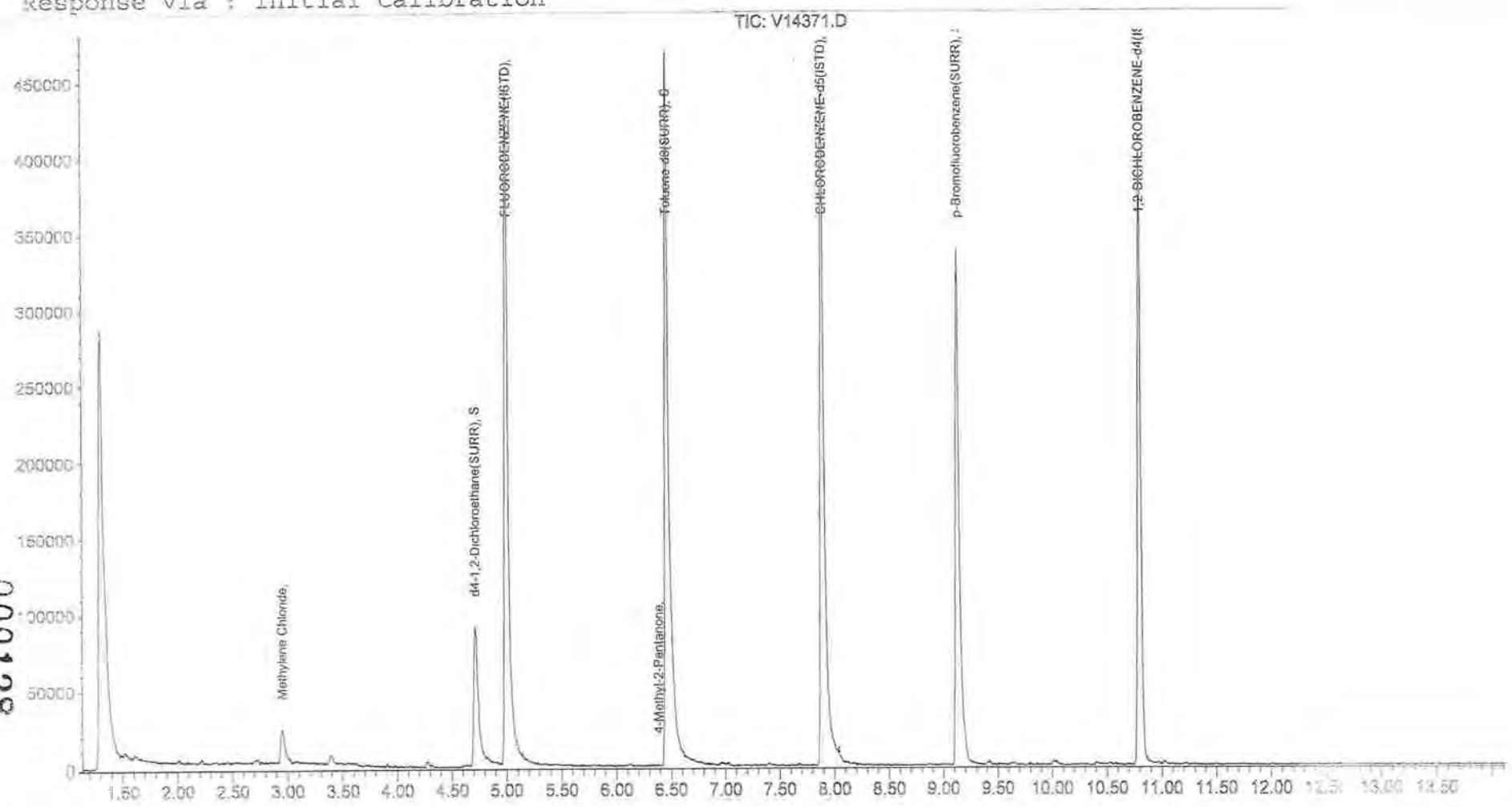
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14371.D
Acq On : 4 Jun 2004 2:30 pm
Sample : MBLK
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 4 14:44 19104

Vial: 2
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C134B.RES

Method : C:\HPCHEM\1\METHODS\V1C134B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration



0001128

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14403.D
Acq On : 5 Jun 2004 1:24 am
Sample : VOA METHOD BLANK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 16:00 19104

Vial: 34
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	5.00	70	106233	50.00	ppb	0.00
27) CHLOROBENZENE-d5(ISTD)	7.89	117	401209	50.00	ppb	0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	139271	50.00	ppb	-0.01
System Monitoring Compounds						
23) d4-1,2-Dichloroethane(SURR	4.71	65	90572	49.40	ppb	0.02
Spiked Amount 50.000	Range 64 - 122		Recovery = 98.80%			
35) Toluene-d8(SURR)	6.46	98	477951	49.92	ppb	0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 99.84%			
52) p-Bromofluorobenzene(SURR)	9.13	174	162944	49.37	ppb	0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 98.74%			
Target Compounds						Qvalue
12) Methylene Chloride	2.95	49	10067	1.47	ppb	# 88

(#) = qualifier out of range (m) = manual integration

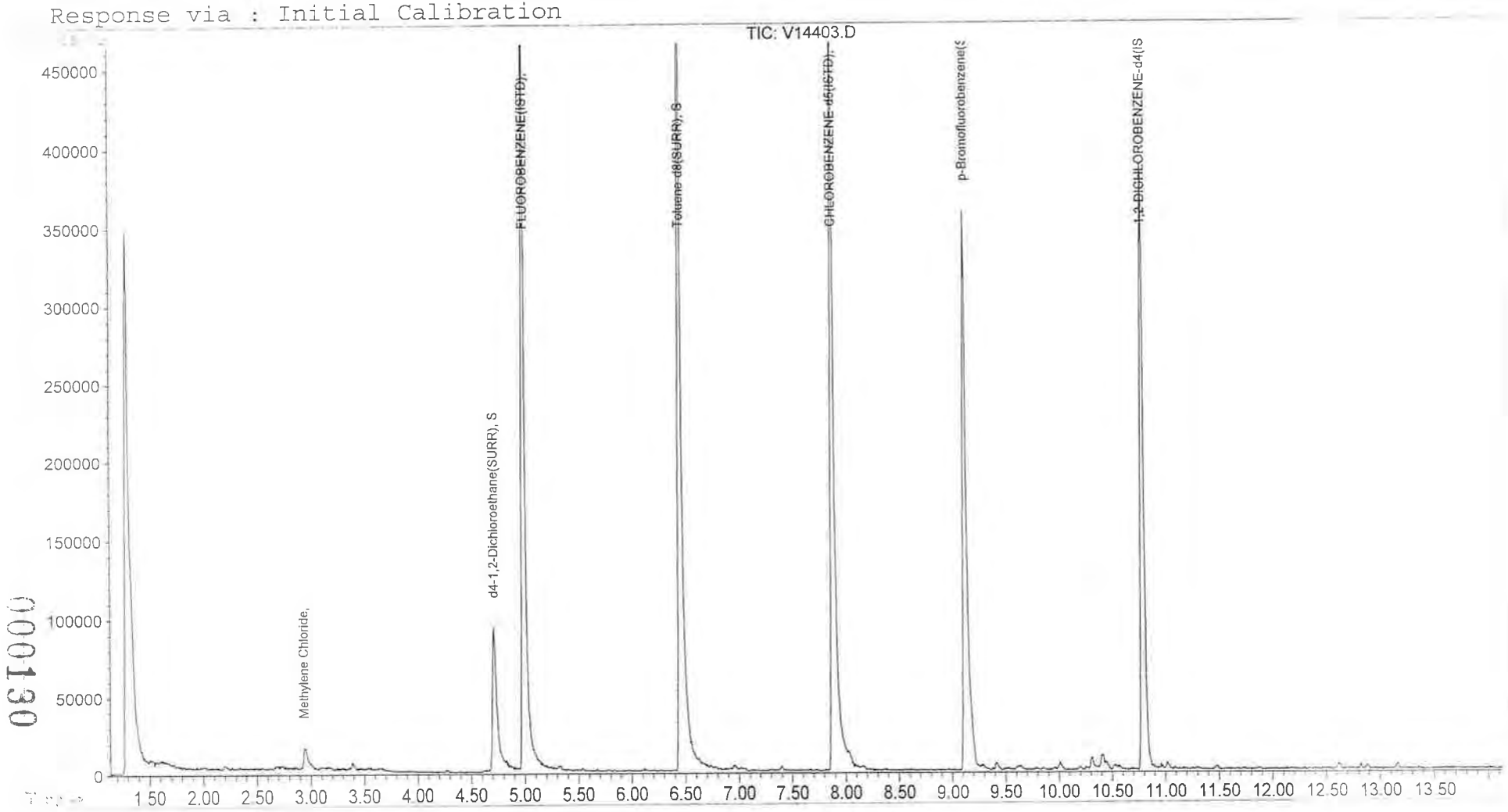
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V14403.D
Acq On : 5 Jun 2004 1:24 am
Sample : VOA METHOD BLANK STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 16:00 19104

Vial: 34
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14395.D Vial: 26
Acq On : 4 Jun 2004 10:35 pm Operator: SS
Sample : VOA MS STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:58 19104 Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.99	70	103328	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.89	117	409068	50.00	ppb		0.00
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	138114	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	83452	46.79	ppb		0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 93.58%				
35) Toluene-d8(SURR)	6.45	98	461178	47.24	ppb		-0.01
Spiked Amount 50.000	Range 83 - 114		Recovery = 94.48%				
52) p-Bromofluorobenzene(SURR)	9.13	174	162755	49.73	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 99.46%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.54	61	483630	60.85	ppb		100
10) trans-1,2-Dichloroethylene	3.16	61	413158	57.39	ppb		99
12) Methylene Chloride	2.93	49	353156	53.10	ppb		98
14) Acetone	2.59	43	2319	2.34	ppb	#	91
15) 1,1-Dichloroethane	3.50	63	527921	59.71	ppb		100
19) Bromochloromethane	4.26	49	42429	12.05	ppb	#	37
20) Chloroform	4.26	83	564906	52.12	ppb		99
21) 1,1,1-Trichloroethane	4.42	97	498398	55.17	ppb	#	100
24) Carbon Tetrachloride	4.56	117	458137	55.99	ppb		99
25) 1,2-Dichloroethane	4.76	62	265968	54.44	ppb		100
26) Benzene	4.74	78	1210995	53.06	ppb		100
28) Trichloroethylene	5.32	95	364592	53.25	ppb		99
31) Bromodichloromethane	5.77	83	372914	49.04	ppb		99
32) 1,2-Dichloropropane	5.51	63	278493	51.25	ppb		100
33) cis-1,3-Dichloropropene	6.19	75	401587	50.41	ppb		99
36) Toluene	6.51	91	1292216	53.70	ppb		100
37) trans-1,3-Dichloropropene	6.73	75	306846	50.13	ppb		100
38) 1,1,2-Trichloroethane	6.91	83	179410	52.05	ppb		99
40) Tetrachloroethylene	7.05	166	379762	53.39	ppb		98
42) Dibromochloromethane	7.30	129	259526	52.22	ppb		100
44) Chlorobenzene	7.92	112	779727	53.06	ppb		99

(#) = qualifier out of range (m) = manual integration

000131

Data File : C:\HPCHEM\1\DATA\V14395.D
Acq On : 4 Jun 2004 10:35 pm
Sample : VOA MS STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:58 19104

Vial: 26
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	Ethyl Benzene	8.03	91	1370348	55.17	ppb		100
46)	p- & m-Xylenes	8.15	91	45012	2.36	ppb		91
51)	Bromoform	8.77	173	143201	55.51	ppb	#	76
53)	1,1,2,2-Tetrachloroethane	9.29	83	238763	54.09	ppb		100
55)	Isopropylbenzene	10.20	105	52770	2.32	ppb	#	100
58)	n-Propylbenzene	9.41	91	32062	1.21	ppb		99
61)	tert-Butylbenzene	9.97	119	26395	1.70	ppb	#	91
63)	1,2,4-trimethylbenzene	10.02	105	20732	1.41	ppb		99
64)	sec-Butylbenzene	10.20	105	52770	2.32	ppb	#	100
65)	1,3-Dichlorobenzene	10.32	146	475783	54.20	ppb	#	100
66)	1,4-Dichlorobenzene	10.41	146	462728	54.44	ppb	#	100
67)	1,2-Dichlorobenzene	10.82	146	404915	55.07	ppb	#	68
68)	p-Isopropyltoluene	10.37	119	45198	2.86	ppb	#	100
69)	n-Butylbenzene	10.82	91	65834	4.50	ppb	#	99
70)	1,2,4-Trichlorobenzene	12.62	180	8431	2.85	ppb		97
71)	Naphthalene	12.89	128	4425	1.12	ppb	#	98
72)	Hexachloro-1,3-Butadiene	12.83	225	24410	11.57	ppb	#	77
73)	1,2,3-Trichlorobenzene	13.16	182	5100	2.39	ppb	#	100

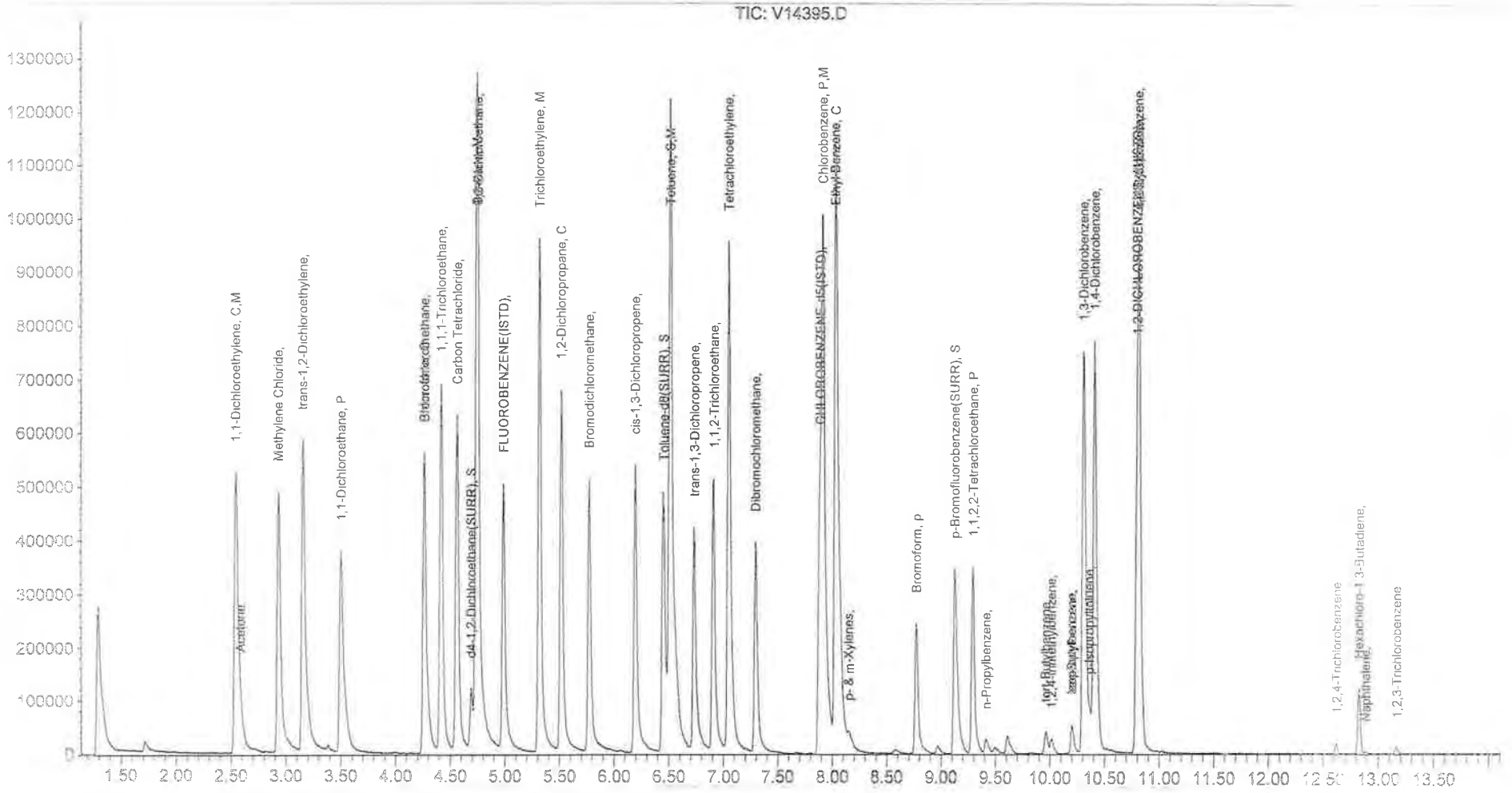
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14395.D
Acq On : 4 Jun 2004 10:35 pm
Sample : VOA MS STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:58 19104

Vial: 26
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration



0001133

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14397.D Vial: 28
Acq On : 4 Jun 2004 11:17 pm Operator: SS
Sample : VOA MSD STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:59 19104 Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.98	70	102401	50.00	ppb		-0.01
27) CHLOROBENZENE-d5(ISTD)	7.88	117	411745	50.00	ppb		-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.80	152	139971	50.00	ppb		0.00
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	83740	47.38	ppb		-0.01
Spiked Amount 50.000	Range 64 - 122		Recovery = 94.76%				
35) Toluene-d8(SURR)	6.45	98	459364	46.75	ppb		0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 93.50%				
52) p-Bromofluorobenzene(SURR)	9.13	174	166902	50.32	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 100.64%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.54	61	492072	62.47	ppb		99
10) trans-1,2-Dichloroethylene	3.15	61	417049	58.45	ppb		100
12) Methylene Chloride	2.93	49	358965	54.46	ppb		99
14) Acetone	2.60	43	3655	3.71	ppb	#	91
15) 1,1-Dichloroethane	3.50	63	526370	60.07	ppb		100
19) Bromochloromethane	4.26	49	42229	12.10	ppb	#	37
20) Chloroform	4.26	83	573167	53.36	ppb		100
21) 1,1,1-Trichloroethane	4.41	97	513095	57.31	ppb	#	100
24) Carbon Tetrachloride	4.56	117	456695	56.32	ppb		99
25) 1,2-Dichloroethane	4.76	62	272030	56.18	ppb	#	97
26) Benzene	4.74	78	1288347	56.96	ppb		100
28) Trichloroethylene	5.31	95	367740	53.36	ppb		99
31) Bromodichloromethane	5.77	83	377453	49.32	ppb		99
32) 1,2-Dichloropropane	5.52	63	278475	50.91	ppb		100
33) cis-1,3-Dichloropropene	6.20	75	387168	48.28	ppb		99
36) Toluene	6.51	91	1269155	52.40	ppb		99
37) trans-1,3-Dichloropropene	6.73	75	306108	49.68	ppb		100
38) 1,1,2-Trichloroethane	6.91	83	175242	50.51	ppb		99
40) Tetrachloroethylene	7.05	166	380397	53.13	ppb		100
42) Dibromochloromethane	7.30	129	255470	51.07	ppb		99
44) Chlorobenzene	7.91	112	780498	52.77	ppb		100

(#) = qualifier out of range (m) = manual integration

000134

Data File : C:\HPCHEM\1\DATA\V14397.D
Acq On : 4 Jun 2004 11:17 pm
Sample : VOA MSD STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:59 19104

Vial: 28
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45) Ethyl Benzene	8.03	91	1378072	55.12	ppb		100
46) p- & m-Xylenes	8.03	91	1321306	68.87	ppb		90
51) Bromoform	8.77	173	142298	54.43	ppb	#	76
53) 1,1,2,2-Tetrachloroethane	9.29	83	235900	52.73	ppb		99
65) 1,3-Dichlorobenzene	10.31	146	460627	51.78	ppb	#	100
66) 1,4-Dichlorobenzene	10.41	146	461907	53.62	ppb	#	68
67) 1,2-Dichlorobenzene	10.82	146	401824	53.92	ppb	#	99
69) n-Butylbenzene	10.82	91	15809	1.07	ppb	#	91
72) Hexachloro-1,3-Butadiene	12.82	225	4966	2.32	ppb		97

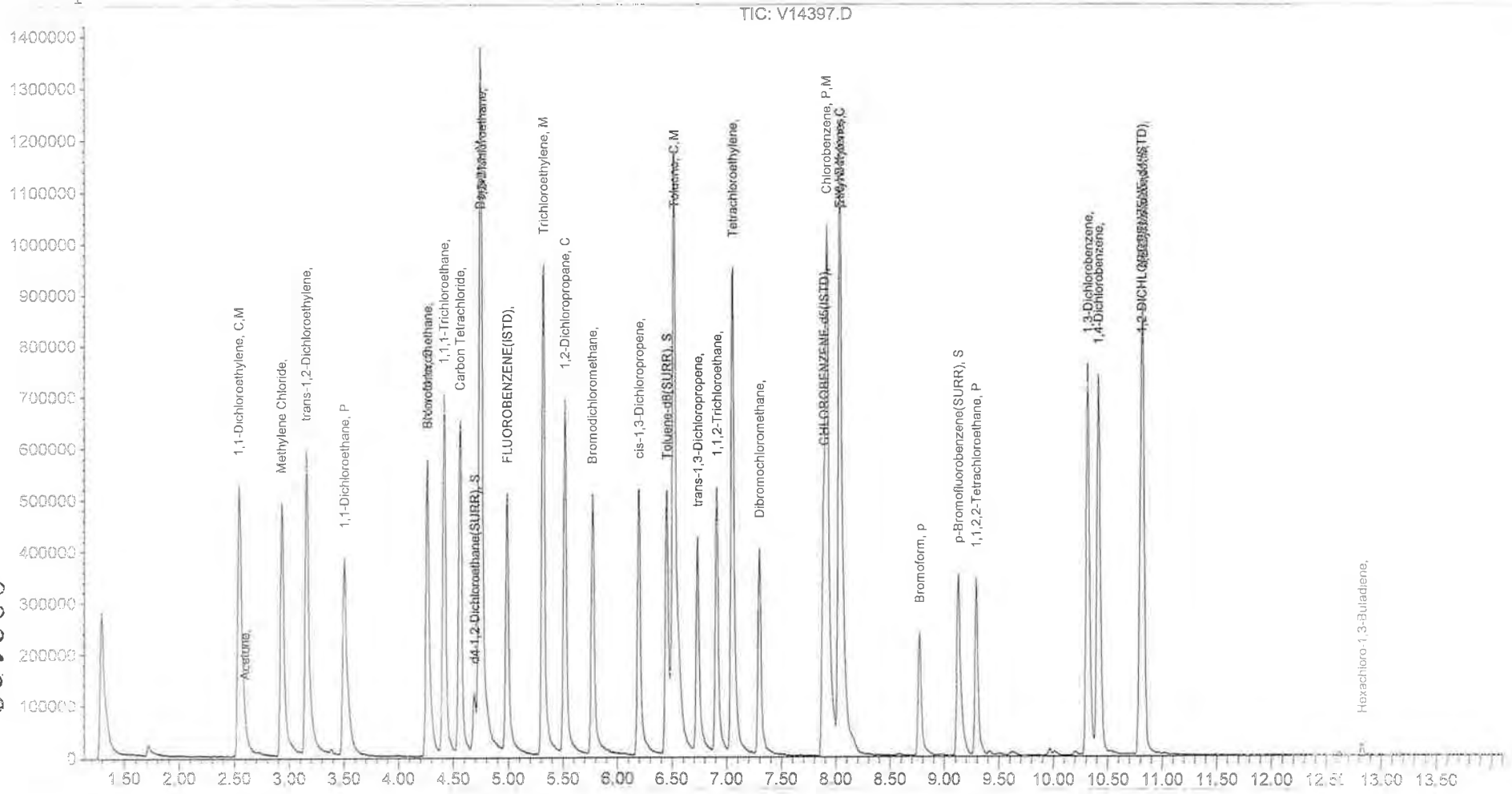
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14397.D
Acq On : 4 Jun 2004 11:17 pm
Sample : VOA MSD STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:59 19104

Vial: 28
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration



000136

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V14393.D Vial: 24
Acq On : 4 Jun 2004 9:55 pm Operator: SS
Sample : VOA LCS STD Inst : VOA No.1
Misc : QBV1060404A Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:58 19104 Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) FLUOROBENZENE(ISTD)	4.99	70	104082	50.00	ppb		0.00
27) CHLOROBENZENE-d5(ISTD)	7.88	117	426109	50.00	ppb		-0.01
50) 1,2-DICHLOROBENZENE-d4(IST	10.79	152	142611	50.00	ppb		-0.01
System Monitoring Compounds							
23) d4-1,2-Dichloroethane(SURR	4.69	65	85570	47.63	ppb		0.00
Spiked Amount 50.000	Range 64 - 122		Recovery = 95.26%				
35) Toluene-d8(SURR)	6.45	98	474535	46.67	ppb		0.00
Spiked Amount 50.000	Range 83 - 114		Recovery = 93.34%				
52) p-Bromofluorobenzene(SURR)	9.13	174	169015	50.01	ppb		0.00
Spiked Amount 50.000	Range 71 - 126		Recovery = 100.02%				
Target Compounds							Qvalue
9) 1,1-Dichloroethylene	2.54	61	448459	56.02	ppb		99
10) trans-1,2-Dichloroethylene	3.16	61	352288	48.58	ppb		97
12) Methylene Chloride	2.94	49	316581	47.25	ppb		98
14) Acetone	2.61	43	2482	2.48	ppb	#	91
15) 1,1-Dichloroethane	3.50	63	457738	51.40	ppb		100
19) Bromochloromethane	4.26	49	41049	11.57	ppb	#	37
20) Chloroform	4.26	83	578114	52.95	ppb		100
21) 1,1,1-Trichloroethane	4.41	97	494827	54.38	ppb	#	100
24) Carbon Tetrachloride	4.56	117	454824	55.19	ppb		99
25) 1,2-Dichloroethane	4.76	62	250703	50.94	ppb		100
26) Benzene	4.74	78	1242289	54.03	ppb		99
28) Trichloroethylene	5.32	95	347167	48.67	ppb		99
31) Bromodichloromethane	5.77	83	347609	43.89	ppb		100
32) 1,2-Dichloropropane	5.52	63	269291	47.58	ppb		100
33) cis-1,3-Dichloropropene	6.19	75	377219	45.46	ppb		99
36) Toluene	6.51	91	1198563	47.81	ppb		99
37) trans-1,3-Dichloropropene	6.73	75	293231	45.99	ppb		99
38) 1,1,2-Trichloroethane	6.91	83	168686	46.98	ppb		100
40) Tetrachloroethylene	7.05	166	353327	47.69	ppb		99
42) Dibromochloromethane	7.29	129	243780	47.09	ppb		99
44) Chlorobenzene	7.91	112	720946	47.10	ppb		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14393.D
Acq On : 4 Jun 2004 9:55 pm
Sample : VOA LCS STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:58 19104

Vial: 24
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration
DataAcq Meth : V1C134B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	Ethyl Benzene	8.03	91	1271935	49.16	ppb		100
46)	p- & m-Xylenes	8.15	91	72886	3.67	ppb		96
51)	Bromoform	8.77	173	138868	52.13	ppb	#	76
53)	1,1,2,2-Tetrachloroethane	9.29	83	223389	49.01	ppb		99
55)	Isopropylbenzene	10.20	105	141717	6.02	ppb	#	100
58)	n-Propylbenzene	9.41	91	70877	2.60	ppb		100
59)	2-Chlorotoluene	9.49	91	27560	1.71	ppb	#	99
60)	4-Chlorotoluene	9.61	91	31705	1.90	ppb	#	99
61)	tert-Butylbenzene	9.96	119	70162	4.37	ppb	#	100
62)	1,3,5-trimethylbenzene	8.96	105	37969	1.66	ppb		99
63)	1,2,4-trimethylbenzene	10.01	105	45173	2.97	ppb		99
64)	sec-Butylbenzene	10.20	105	141717	6.02	ppb	#	100
65)	1,3-Dichlorobenzene	10.30	146	434781	47.97	ppb	#	100
66)	1,4-Dichlorobenzene	10.41	146	431689	49.19	ppb	#	100
67)	1,2-Dichlorobenzene	10.82	146	368781	48.57	ppb	#	100
68)	p-Isopropyltoluene	10.37	119	105000	6.43	ppb	#	99
69)	n-Butylbenzene	10.82	91	119509	7.91	ppb	#	99
70)	1,2,4-Trichlorobenzene	12.62	180	15304	5.01	ppb		97
71)	Naphthalene	12.88	128	7358	1.81	ppb	#	100
72)	Hexachloro-1,3-Butadiene	12.82	225	33268	15.27	ppb	#	78
73)	1,2,3-Trichlorobenzene	13.15	182	9380	4.26	ppb	#	94

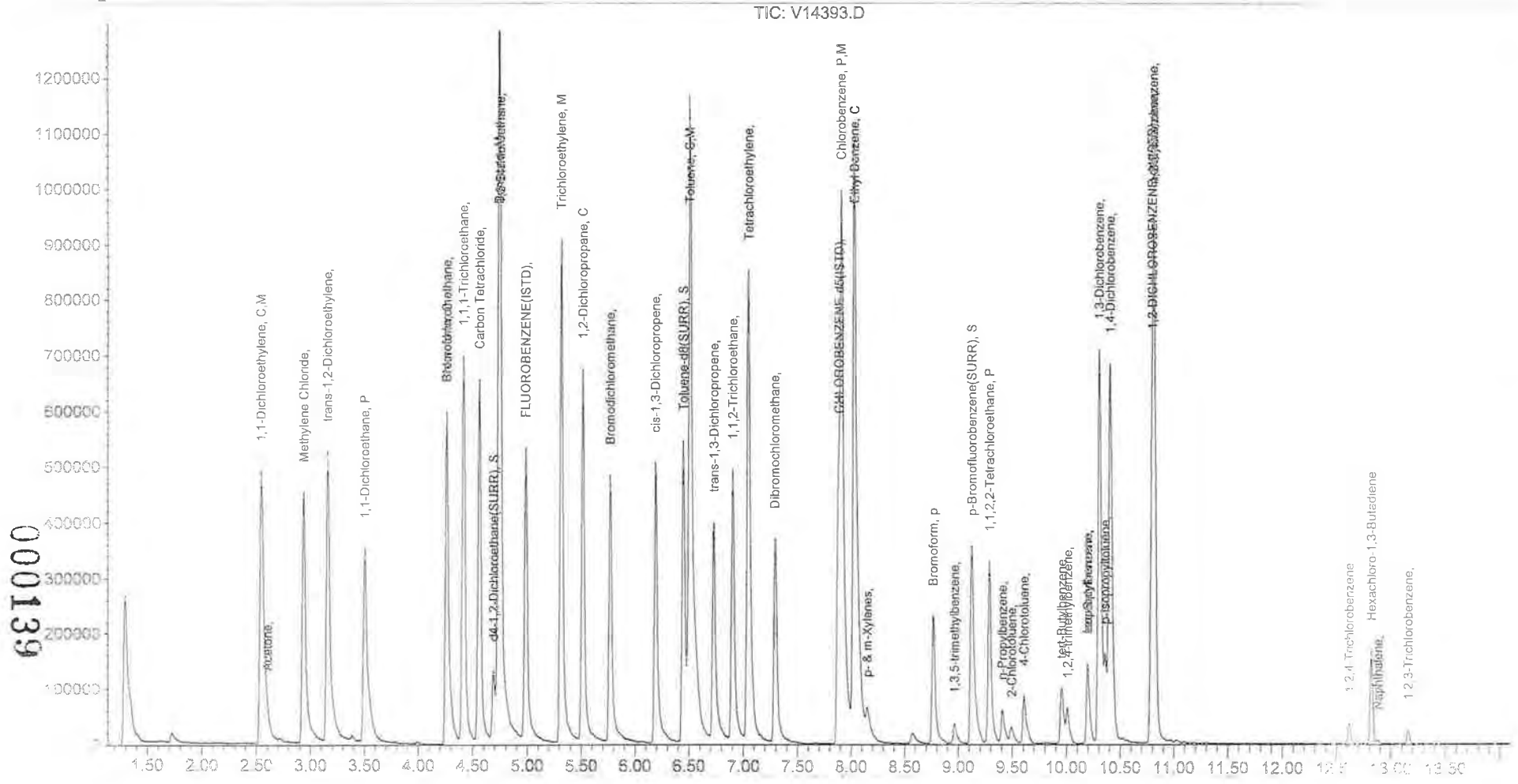
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\V14393.D
Acq On : 4 Jun 2004 9:55 pm
Sample : VOA LCS STD
Misc : QBV1060404A
MS Integration Params: RTEINT3.P
Quant Time: Jun 9 15:58 19104

Vial: 24
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C135B.RES

Method : C:\HPCHEM\1\METHODS\V1C135B.M (RTE Integrator)
Title : VOCs BY GC/MS EPA SW846-8260
Last Update : Tue Jun 01 11:05:32 2004
Response via : Initial Calibration



00013

Injection Log

Directory: c:\hpchem\1\data

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	9	e21370.d	1.	10 ppm BNA CAL STD	QBSV2060304A	3 Jun 04 13:03
2	10	e21371.d	1.	20 ppm BNA CAL STD	QBSV2060304A	3 Jun 04 13:40
3	11	e21372.d	1.	50 ppm BNA CAL STD	QBSV2060304A	3 Jun 04 14:18
4	12	e21373.d	1.	80 ppm BNA CAL STD	QBSV2060304A	3 Jun 04 14:56
5	13	e21374.d	1.	100 ppm BNA CAL STD	QBSV2060304A	3 Jun 04 15:34
6	14	e21375.d	1.	120 ppm BNA CAL STD	QBSV2060304A	3 Jun 04 16:12
7	1	e21465.d	1.	50 ppm BNA CAL CHECK STD	QBSV2060804A	7 Jun 04 15:22
8	4	e21468.d	5.	04050709-01 $BNEXTW 1000ML/1ML 5X ASPB PGW-1	QBSV2060804A	7 Jun 04 17:16
9	5	e21469.d	200.	04050709-02 $BNEXTW 1000ML/10ML 20X ASP PGW-2	QBSV2060804A	7 Jun 04 17:55
10	6	e21470.d	1.	MBLK 060104 WATER	QBSV2060804A	7 Jun 04 18:33
11	7	e21471.d	1.	MS 060104 WATER	QBSV2060804A	7 Jun 04 19:11
12	8	e21472.d	1.	MSD 060104 WATER	QBSV2060804A	7 Jun 04 19:50
13	1	evaldemo.d	1.	demoscan sample	10 ng per component	7 Sep 89 13:59

000140

2C

Water Semivolatile Surrogate Recovery

Lab Name: York Analytical Labs **Contract:**

SDG (Project No.): 04050709

Client Sample ID	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	Total Out
MBLK 060104 WATER	50	60	97	40	36	105	0
MS 060104 WATER	43	56	67	43	37	80	0
MSD 060104 WATER	47	57	76	45	45	88	0
PGW-1	49	56	66	**	**	**	0
PGW-2	D	D	D	**	**	**	0

** - Analysis requested was a BN extraction only

			QC Limits
S1	(NBZ)	Nitrobenzene	23-88%
S2	(FBP)	2-Flourobiphenyl	27-109%
S3	(TPH)	Terphenyl-d14	35-116%
S4	(PHL)	Phenol-d5	24-105%
S5	(2FP)	2-Flourophenol	19-116%
S6	(TBP)	2,4,6-Tribromophenol	25-96%

\# Column to be used to flag recovery values

* Values outside of Protocol required QC limits

D Surrogate diluted out

3C

Water Semivolatile Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: York Analytical Labs **Contract:**

SDG (Project No.): 04050709 **Client Sample ID: Batch QC 060104**

Compound	Spike Added ug/L	Sample Conc. ug/L	MS Conc. ug/L	MS Rec. % #	QC Limits Recovery, %
Phenol	200	0	64	32	12-110
2-Chlorophenol	200	0	108	54	27-123
1,4-Dichlorobenzene	100	0	42	42	36-97
N-Nitroso-di-n-propylami	100	0	46	46	41-116
1,2,4-Trichlorobenzene	100	0	48	48	39-98
4-Chloro-3-methylphenol	200	0	123	62	23-97
Acenapthene	100	0	56	56	46-118
4-Nitrophenol	200	0	38	19	10-80
2,4-Dinitrotoluene	100	0	55	55	24-96
Pentachorophenol	200	0	100	50	9-103
Pyrene	100	0	60	60	26-127

Compound	Spike Added ug/L	MSD Conc. ug/L	MSD Rec. % #	RPD % #	QC Limits RPD	QC Limits Rec, %
Phenol	200	73	37	13	42	12-110
2-Chlorophenol	200	113	57	5	40	27-123
1,4-Dichlorobenzene	100	43	43	2	28	36-97
N-Nitroso-di-n-propylami	100	54	54	16	38	41-116
1,2,4-Trichlorobenzene	100	50	50	4	28	39-98
4-Chloro-3-methylphenol	200	137	69	11	42	23-97
Acenapthene	100	57	57	2	31	46-118
4-Nitrophenol	200	43	22	12	50	10-80
2,4-Dinitrotoluene	100	61	61	10	38	24-96
Pentachorophenol	200	113	57	12	50	9-103
Pyrene	100	68	68	13	31	26-127

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

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

Comments: _____

4B
Semivolatile Method Blank Summary

Lab Name: York Analytical Labs **Contract:**

Lab Sample ID: METHOD BLANK 060104 WATER **SDG No: 04050709**

Lab File ID: E21470.D **Date Extracted: 06/01/04**

Matrix: Soil **Date Analyzed: 06/07/04**

Level: Low **Time Analyzed: 15:22**

This Method Blank applies to the following samples, MS and MSD

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
1	PGW-1	04050709-01	E21468.D	06/07/04
2	PGW-2	04050709-02	E21469.D	06/07/04
3		MATRIX SPIKE	E21471.D	06/07/04
4		MATRIX SPIKE DUP	E21472.D	06/07/04
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

Comments:

5B

Semivolatile Organic Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)

Lab Name: York Analytical Labs **Contract:**

Lab File ID: E21370.D **SDG (Project ID) No: 04050709**

DFTPP Injection Date: 06/03/04 **DFTPP InjectionTime: 13:03**

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0-85.0 percent of mass 198	61.0
68	Less than 2.0 percent of mass 69	0.0
69	Present	79.2
70	Less than 2.0 percent of mass 69	0.8
127	40.0-60.0 percent of mass 198	51.6
197	Less than 1.0 percent of mass 198	0.0
198	Base peak, 100 percent relative abundance	100.0
199	5.0-9.0 percent 0f mass 198	7.3
275	10.0-30.0 percent of mass 198	20.4
365	Greater than 1.0 percent of mass 198	4.4
441	Present, but less than mass 443	80.3
442	40.0-110.0 percent of mass 198	84.7
443	17.0-23.0 percent of mass 442	20.2

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
1		20 ppm BNA CAL STD	E21371.D	06/03/04	13:40
2		50 ppm BNA CAL STD	E21372.D	06/03/04	14:18
3		80 ppm BNA CAL STD	E21373.D	06/03/04	14:56
4		100 ppm BNA CAL STD	E21374.D	06/03/04	15:34
5		120 ppm BNA CAL STD	E21375.D	06/03/04	16:12
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

000144

5B

Semivolatile Organic Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)

Lab Name: York Analytical Labs **Contract:**

Lab File ID: E21465.D **SDG (Project ID) No: 04050709**

DFTPP Injection Date: 06/07/04 **DFTPP InjectionTime: 15:22**

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0-85.0 percent of mass 198	75.3
68	Less than 2.0 percent of mass 69	0.0
69	Present	88.6
70	Less than 2.0 percent of mass 69	0.3
127	40.0-60.0 percent of mass 198	48.9
197	Less than 1.0 percent of mass 198	0.0
198	Base peak, 100 percent relative abundance	100.0
199	5.0-9.0 percent 0f mass 198	8.1
275	10.0-30.0 percent of mass 198	22.1
365	Greater than 1.0 percent of mass 198	2.8
441	Present, but less than mass 443	91.4
442	40.0-110.0 percent of mass 198	65.5
443	17.0-23.0 percent of mass 442	19.0

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
1	PGW-1	04050709-01	E21468.D	06/07/04	17:16
2	PGW-2	04050709-02	E21469.D	06/07/04	17:55
3		MBLK 060104 WATER	E21470.D	06/07/04	18:33
4		MS 060104 WATER	E21471.D	06/07/04	19:11
5		MSD 060104 WATER	E21472.D	06/07/04	19:50
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

000145

8B

Semivolatile Internal Standard Area and RT Summary

Lab Name: York Analytical Labs **Contract:**

SDG (Project No.): 04050709 **Lab File ID (Standard): E21465.D**

Date Analyzed: 06/07/04 **Time Analyzed: 15:22**

	IS 1 (DCB) Area	#	RT	#	IS 2 (NPT) Area	#	RT	#	IS 3 (ANT) Area	#	RT	#
12 Hour Std	1304990		8.46		3747599		10.11		2301208		12.55	
Upper Limit	2609980		8.96		7495198		10.61		4602416		13.05	
Lower Limit	652495		7.96		1873800		9.61		1150604		12.05	
Client Sample ID												
PGW-1	1679976		8.46		5111015		10.11		3631077		12.58	
PGW-2	1526638		8.46		4857387		10.12		3967352		12.61	
MBLK 060104 WATER	1136009		8.45		3357394		10.10		2207458		12.55	
MS 060104 WATER	1443878		8.46		4145269		10.10		2538832		12.55	
MSD 060104 WATER	1510475		8.46		4519119		10.10		2892543		12.55	

IS 1 (DCB) 1,4-Dichlorobenzene
IS 2 (NPT) Napthalene-d8
IS 3 (ANT) Acenaphthene-d10

Area Upper Limit +100% of internal standard area
Area Lower Limit -50% of internal standard area
RT Upper Limit +0.50 minutes of internal standard RT
RT Upper Limit -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with asterisk
* Values outside of QC limits

8C

Semivolatile Internal Standard Area and RT Summary

Lab Name: York Analytical Labs **Contract:**

SDG (Project No.): 04050709 **Lab File ID (Standard): E21465.D**

Date Analyzed: 06/07/04 **Time Analyzed: 15:22**

	IS 4 (PHN) Area	#	RT	#	IS 5 (CRY) Area	#	RT	#	IS 6 (PRY) Area	#	RT	#
12 Hour Std	3887917		14.66		4274161		18.49		3518558		20.66	
Upper Limit	7775834		15.16		8548322		18.99		7037116		21.16	
Lower Limit	1943959		14.16		2137081		17.99		1759279		20.16	
Client Sample ID												
PGW-1	6906137		14.71		6453789		18.53		5500003		20.71	
PGW-2	6268691		14.73		5664532		18.50		5085809		20.69	
MBLK 060104 WATER	3771741		14.65		3926147		18.48		3694400		20.65	
MS 060104 WATER	4440564		14.66		4057332		18.48		3636246		20.65	
MSD 060104 WATER	4934299		14.66		5112998		18.48		4564017		20.65	

IS 4 (PHN) Phenanthrene-d10
IS 5 (CRY) Chrysene-d12
IS 6 (PRY) Perylene-d12

Area Upper Limit +100% of internal standard area
Area Lower Limit -50% of internal standard area
RT Upper Limit +0.50 minutes of internal standard RT
RT Upper Limit -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with asterisk
* Values outside of QC limits

YORK
ANALYTICAL LABORATORIES, INC.

Form 1
Semivolatile Organics Analysis Data Sheet - 8270 - SPECIFIC BN LIST

Client Sample ID
PGW-1

Sample Type: **WATER**

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	5/26/04		
Matrix:	WATER	Date Received:	5/26/04		
Dilution Factor:	5.00	Date Extracted:	6/1/04	SDG:	04050709
Conc. Extract Vol.:	1000 ul	Date Analyzed:	6/7/04	Lab ID:	04050709-01
Injection Volume:	1.0 ul	Level:	LOW	Lab File ID:	E21468.D
GPC Cleanup:	N				

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
PGW-1	04050709-01	Acenaphthylene	50 U
PGW-1	04050709-01	Anthracene	50 U
PGW-1	04050709-01	Bis(2-ethylhexyl)phthalate	50 U
PGW-1	04050709-01	1,3-Dichlorobenzene	50 U
PGW-1	04050709-01	1,4-Dichlorobenzene	50 U
PGW-1	04050709-01	1,2-Dichlorobenzene	50 U
PGW-1	04050709-01	Fluoranthene	50 U
PGW-1	04050709-01	Fluorene	21 J
PGW-1	04050709-01	2-Methylnaphthalene	50 U
PGW-1	04050709-01	Naphthalene	50 U
PGW-1	04050709-01	Phenanthrene	50 U
PGW-1	04050709-01	Pyrene	50 U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21468.D Vial: 4
Acq On : 7 Jun 2004 5:16 pm Operator: SW
Sample : 04050709-01 $BNEXTW 1000ML/1ML 5X ASPB Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 5.00
MS Integration Params: events.e
Quant Time: Jul 16 14:47 19104 Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

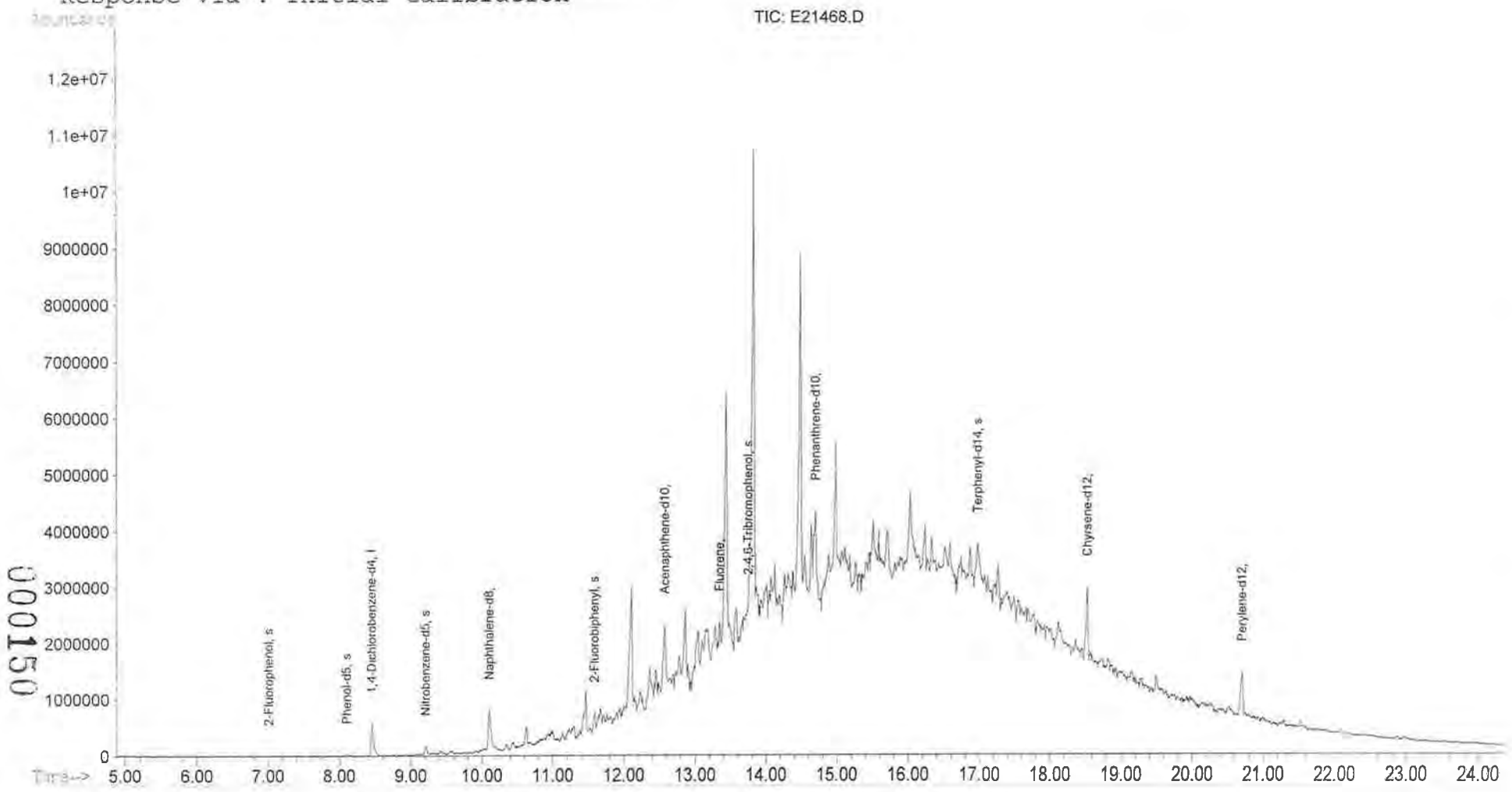
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	1679976	40.00	ug/mL	-0.04
21) Naphthalene-d8	10.11	136	5111015	40.00	ug/mL	-0.05
35) Acenaphthene-d10	12.58	164	3631077	40.00	ug/mL	-0.02
57) Phenanthrene-d10	14.71	188	6906137	40.00	ug/mL	-0.01
74) Chyrsene-d12	18.53	240	6453789	40.00	ug/mL	-0.02
83) Perylene-d12	20.71	264	5500003	40.00	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	7.00	112	25372	0.65	ug/mL	-0.03
Spiked Amount 200.000	Range 15 - 87		Recovery = 0.33%#			
5) Phenol-d5	8.10	99	99986	2.48	ug/mL	-0.06
Spiked Amount 200.000	Range 10 - 100		Recovery = 1.24%#			
19) Nitrobenzene-d5	9.21	82	598176	9.79	ug/mL	-0.05
Spiked Amount 100.000	Range 26 - 120		Recovery = 9.79%#			
38) 2-Fluorobiphenyl	11.59	172	1516975	11.21	ug/mL	-0.04
Spiked Amount 100.000	Range 29 - 120		Recovery = 11.21%#			
59) 2,4,6-Tribromophenol	13.74	330	66965	2.91	ug/mL	-0.01
Spiked Amount 200.000	Range 35 - 126		Recovery = 1.46%#			
69) Terphenyl-d14	16.98	244	2176482	13.23	ug/mL	0.00
Spiked Amount 100.000	Range 35 - 127		Recovery = 13.23%#			
Target Compounds						Qvalue
51) Fluorene	13.34	166	512346	21.06	ug/mL#	73

(#) = qualifier out of range (m) = manual integration

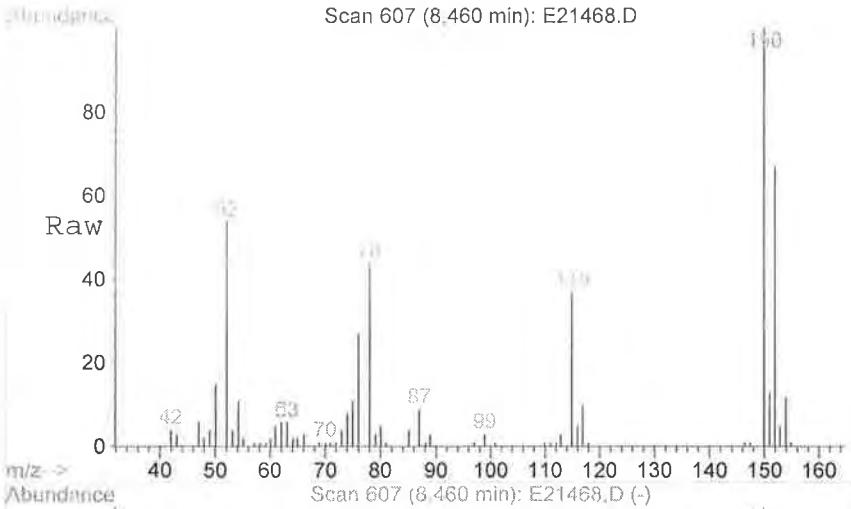
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21468.D Vial: 4
Acq On : 7 Jun 2004 5:16 pm Operator: SW
Sample : 04050709-01 $BNEXTW 1000ML/1ML 5X ASPB Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 5.00
MS Integration Params: events.e
Quant Time: Jul 16 14:47 19104 Quant Results File: BNA2M03.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Initial Calibration



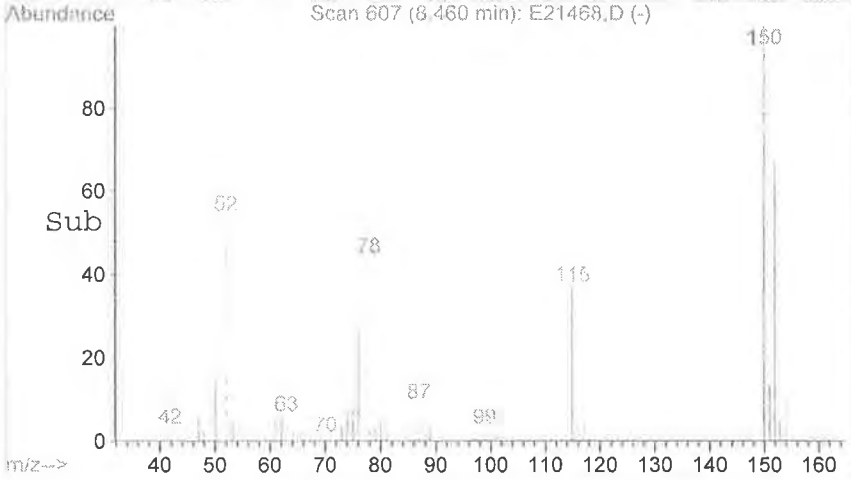
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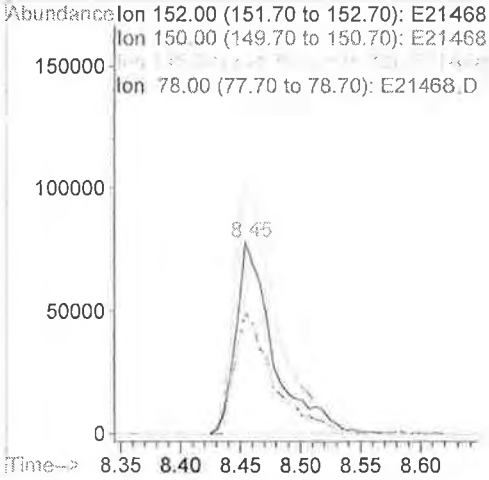


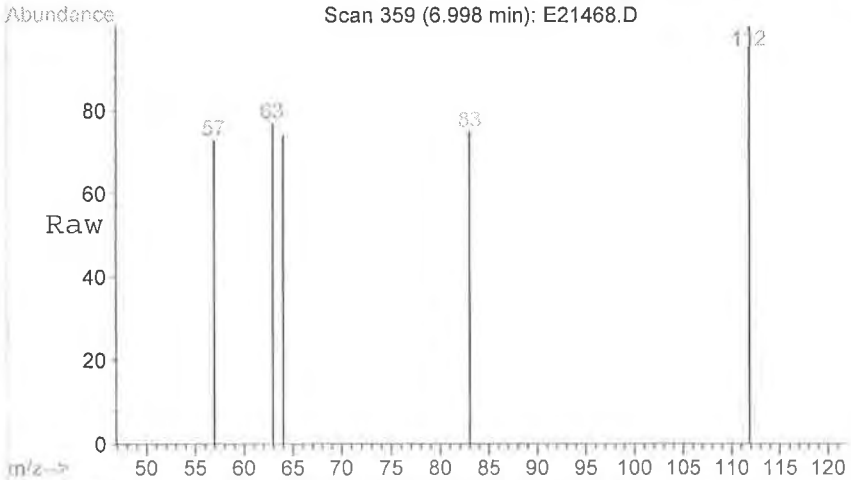
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 8.46 min Scan# 607
Delta R.T. -0.04 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:152 Resp: 1679976

Ion	Ratio	Lower	Upper
152	100		
150	150.4	87.9	263.9
115	58.9	30.4	91.2
78	67.3	33.0	99.0



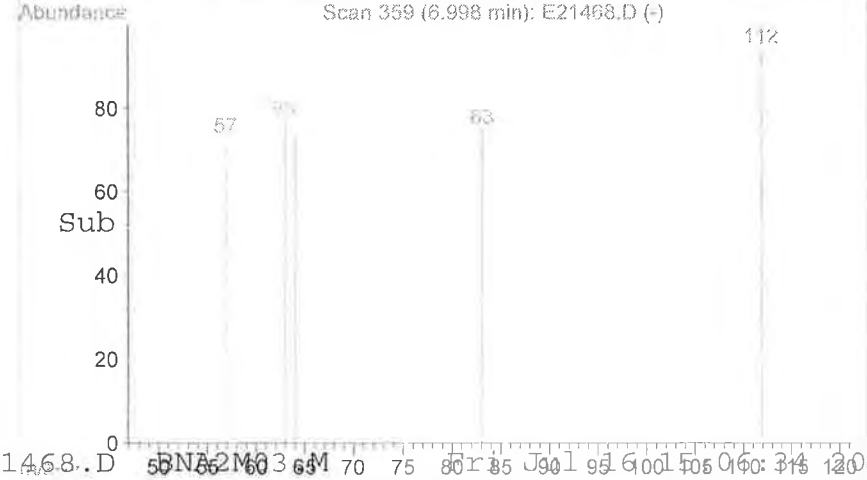


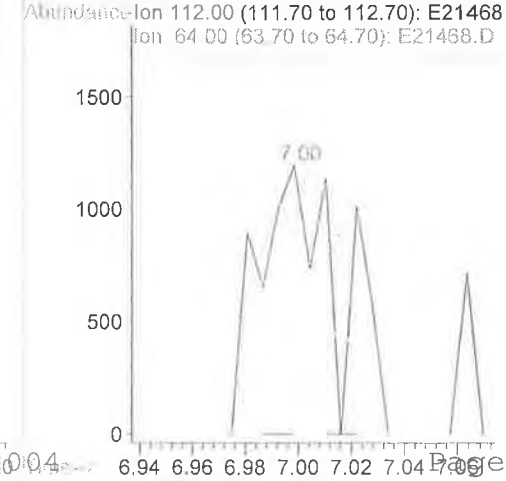


#4
2-Fluorophenol
Concen: 0.65 ug/mL
RT: 7.00 min Scan# 359
Delta R.T. -0.03 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

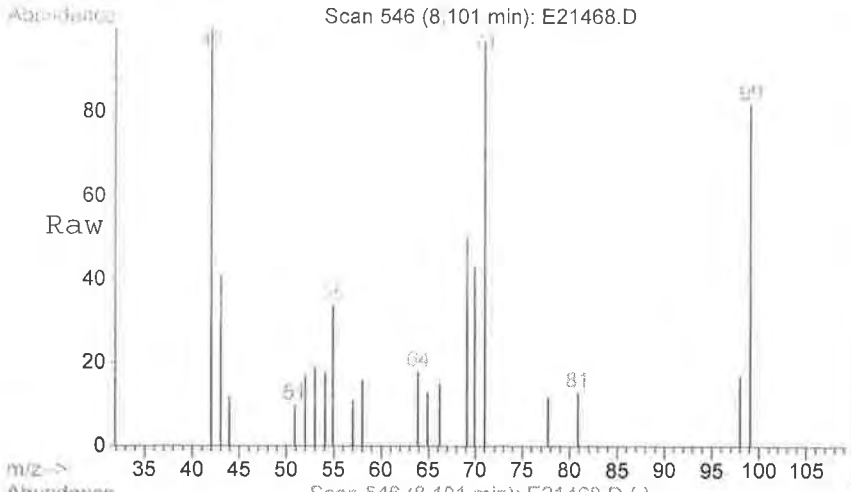
Tgt Ion:112 Resp: 25372

Ion	Ratio	Lower	Upper
112	100		
64	89.5	44.6	66.8#
92	0.0	13.9	20.9#





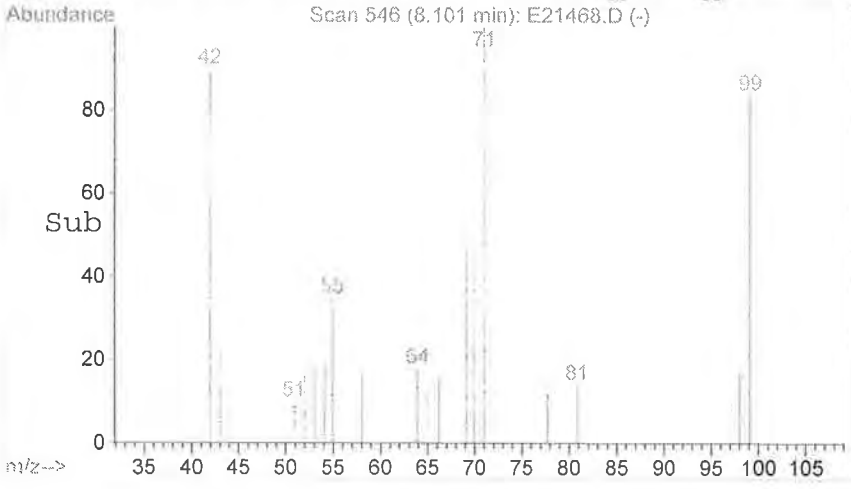
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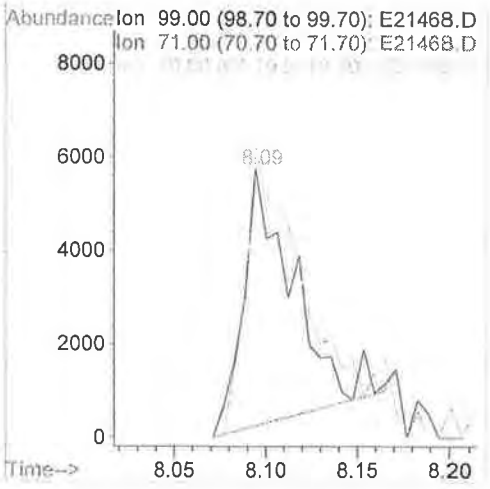


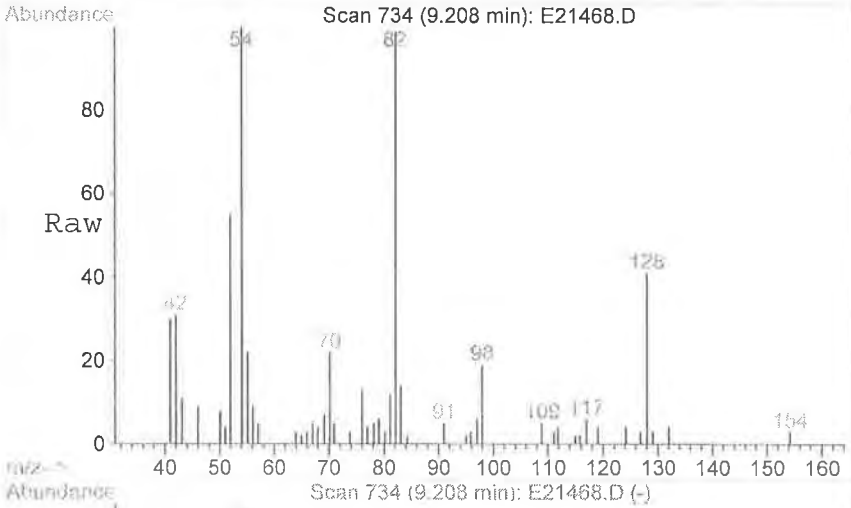
#5
Phenol-d5
Concen: 2.48 ug/mL
RT: 8.10 min Scan# 546
Delta R.T. -0.06 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion: 99 Resp: 99986

Ion	Ratio	Lower	Upper
99	100		
71	107.4	87.0	130.6
70	41.2	31.8	47.6



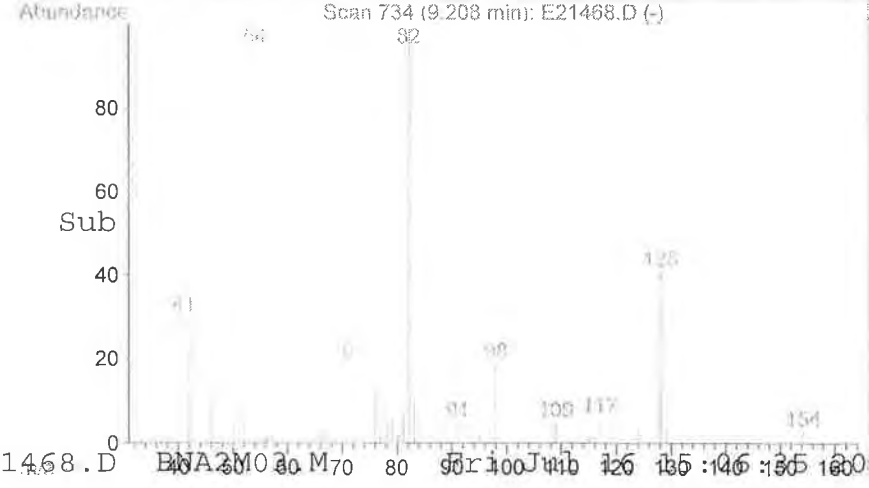


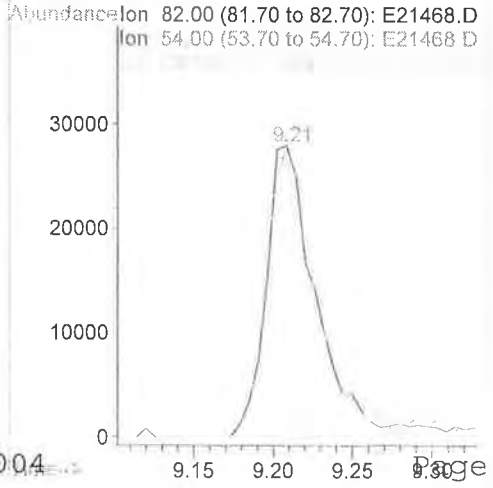


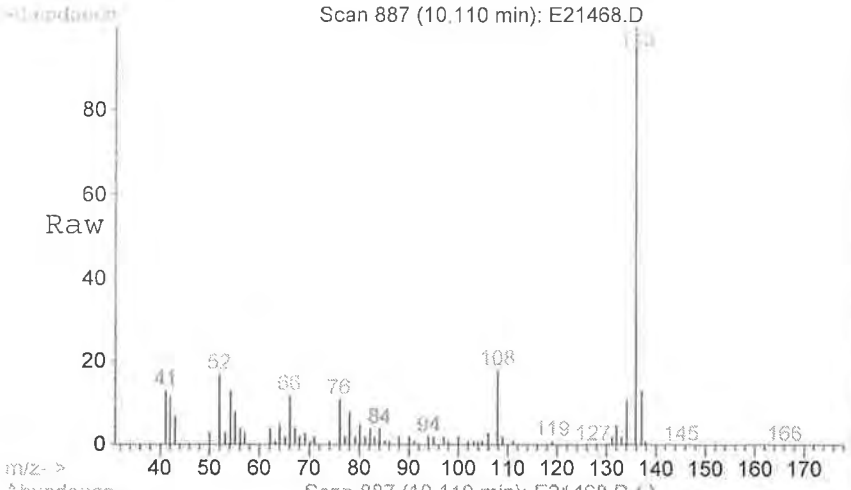
#19
Nitrobenzene-d5
Concen: 9.79 ug/mL
RT: 9.21 min Scan# 734
Delta R.T. -0.05 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion: 82 Resp: 598176

Ion	Ratio	Lower	Upper
82	100		
54	90.1	74.4	111.6
128	43.0	31.0	46.6



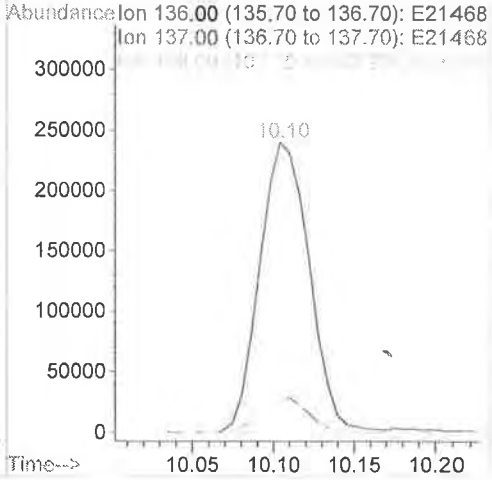


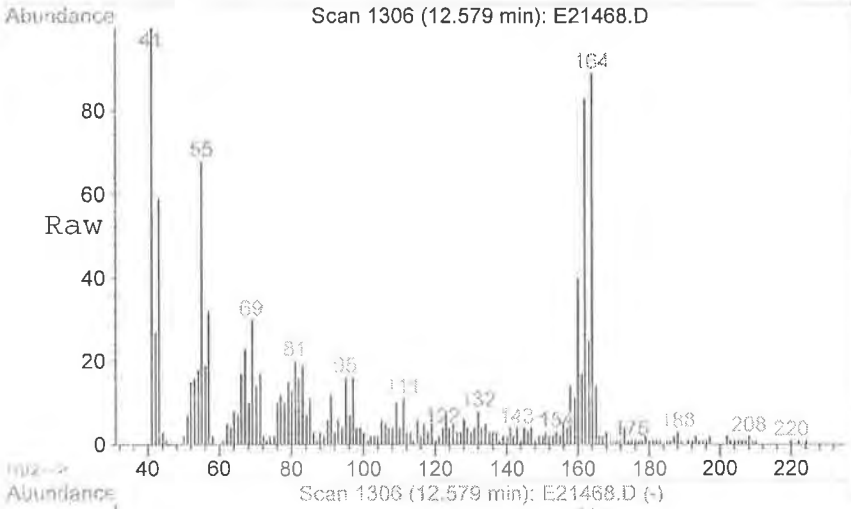


#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 10.11 min Scan# 887
Delta R.T. -0.05 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:136 Resp: 5111015

Ion	Ratio	Lower	Upper
136	100		
137	12.0	6.1	18.2
108	18.3	8.9	26.6

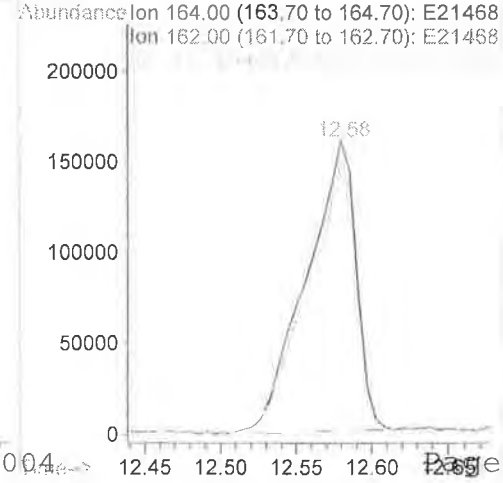




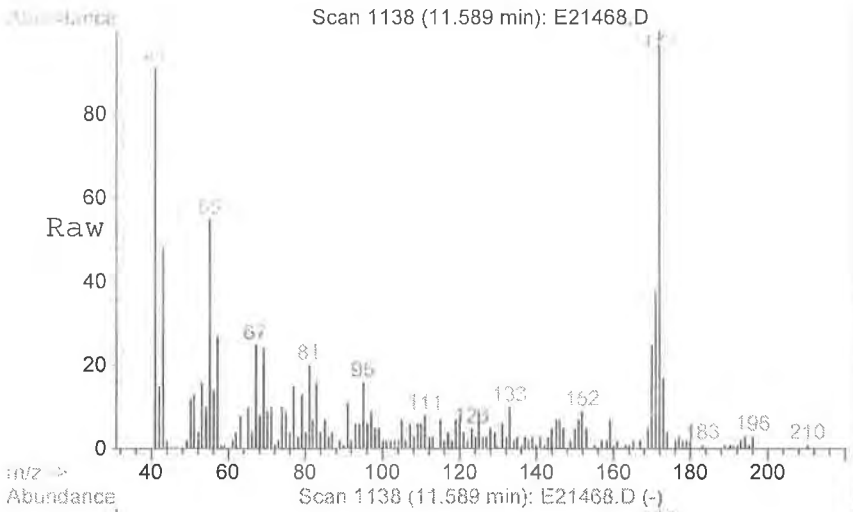
#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 12.58 min Scan# 1306
Delta R.T. -0.02 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:164 Resp: 3631077

Ion	Ratio	Lower	Upper
164	100		
162	89.7	47.1	141.3
160	44.3	21.1	63.1



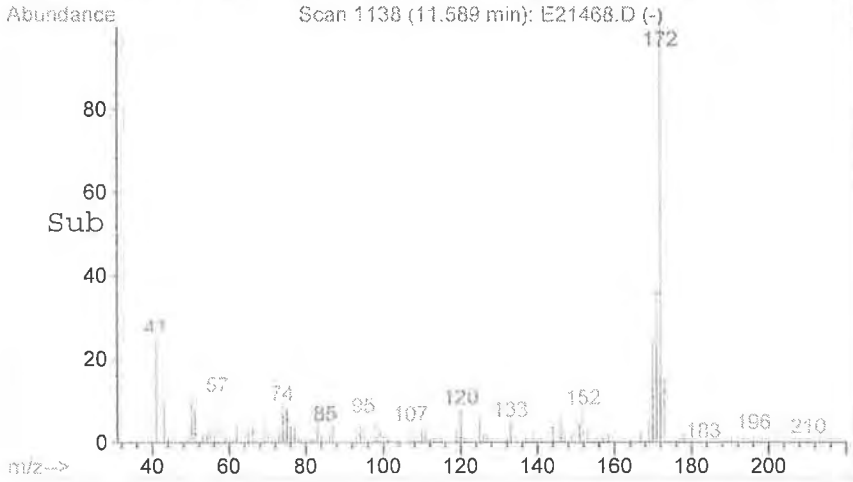
000153

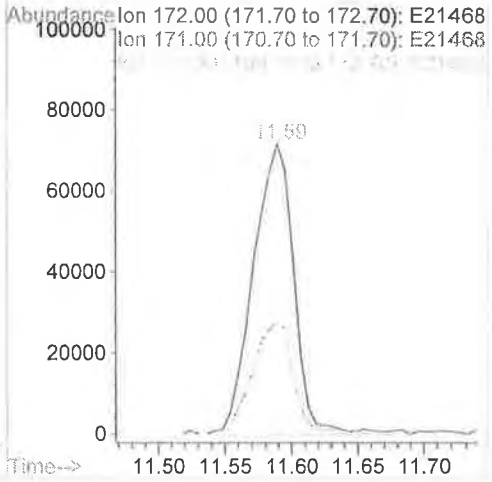


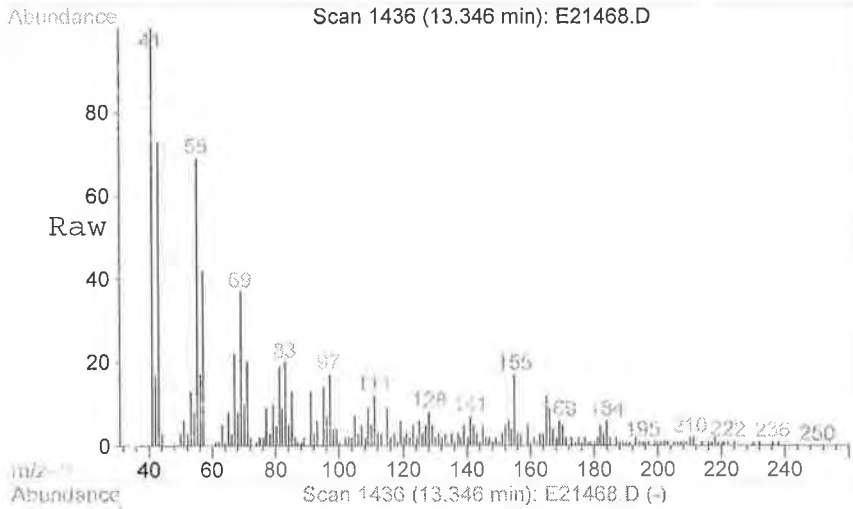
#38
2-Fluorobiphenyl
Concen: 11.21 ug/mL
RT: 11.59 min Scan# 1138
Delta R.T. -0.04 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:172 Resp: 1516975

Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.1	45.1
170	24.1	20.0	30.0



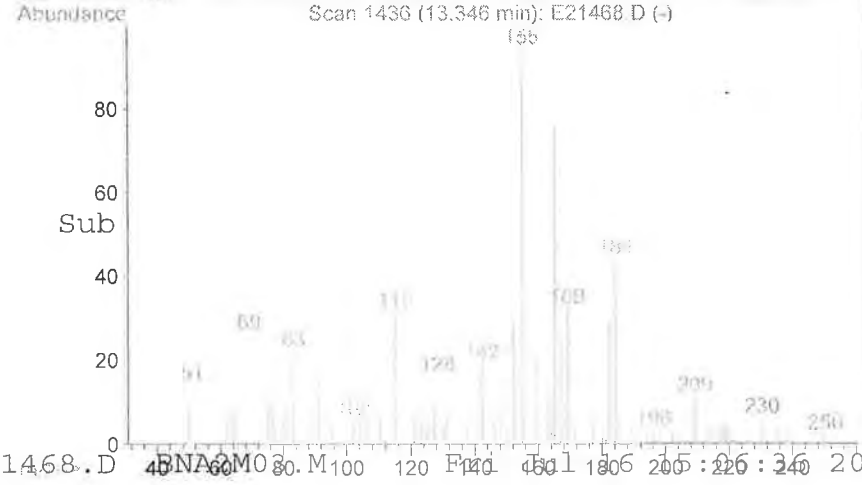


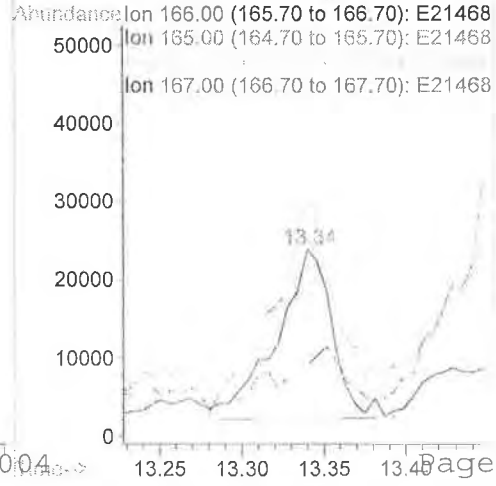


#51
Fluorene
Concen: 21.06 ug/mL
RT: 13.34 min Scan# 1436
Delta R.T. -0.03 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

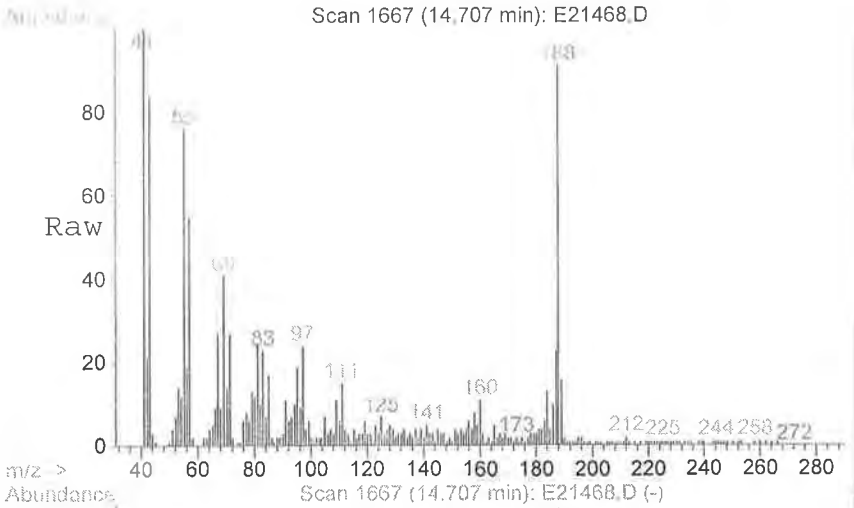
Tgt Ion:166 Resp: 512346

Ion	Ratio	Lower	Upper
166	100		
165	117.3	75.1	112.7#
163	29.0	13.6	20.4#
167	30.7	11.4	17.2#





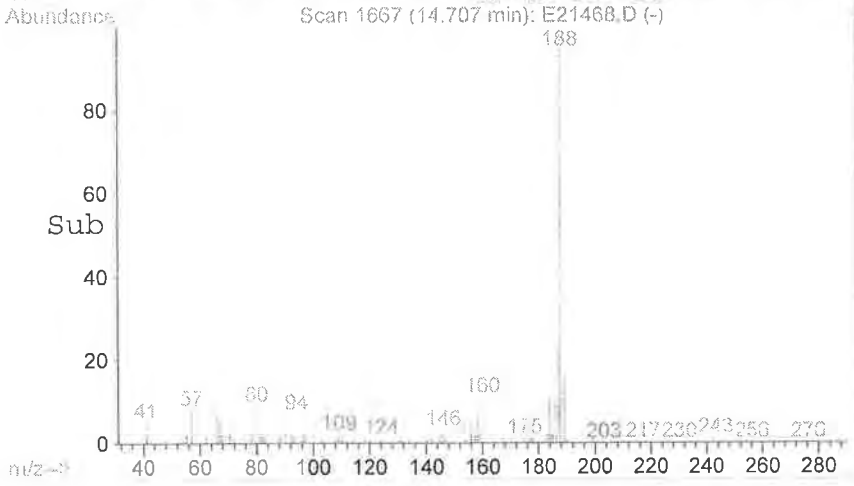
000154

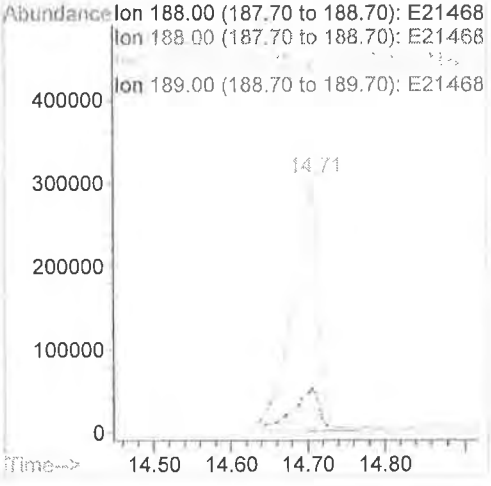


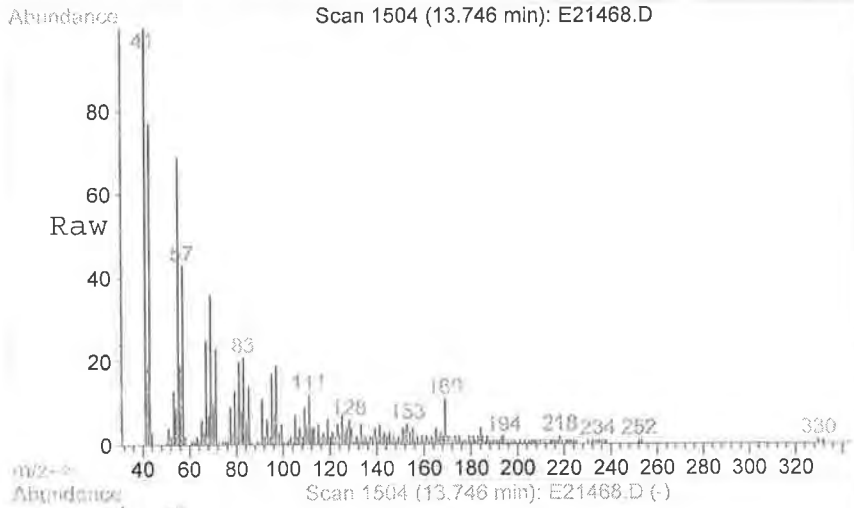
#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 14.71 min Scan# 1667
Delta R.T. -0.01 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:188 Resp: 6906137

Ion	Ratio	Lower	Upper
188	100		
188	100.0	80.0	120.0
187	0.0	0.0	0.0
189	0.0	7.6	22.8#



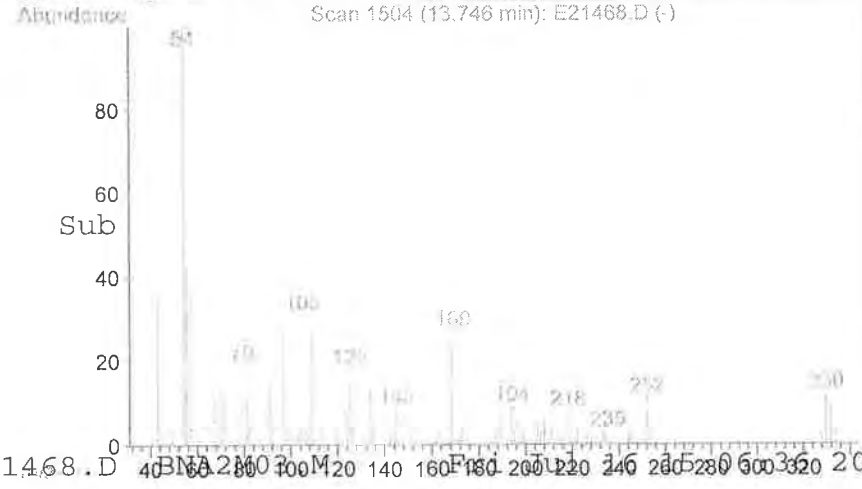


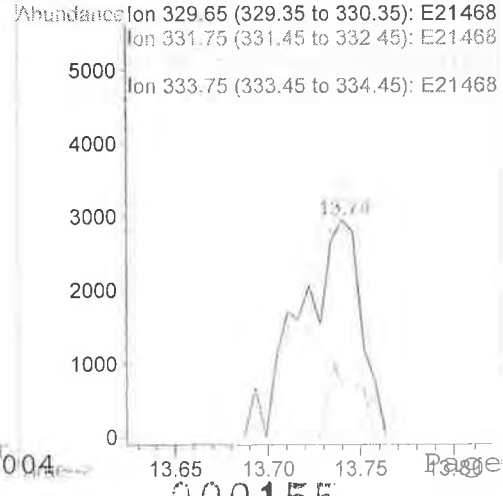


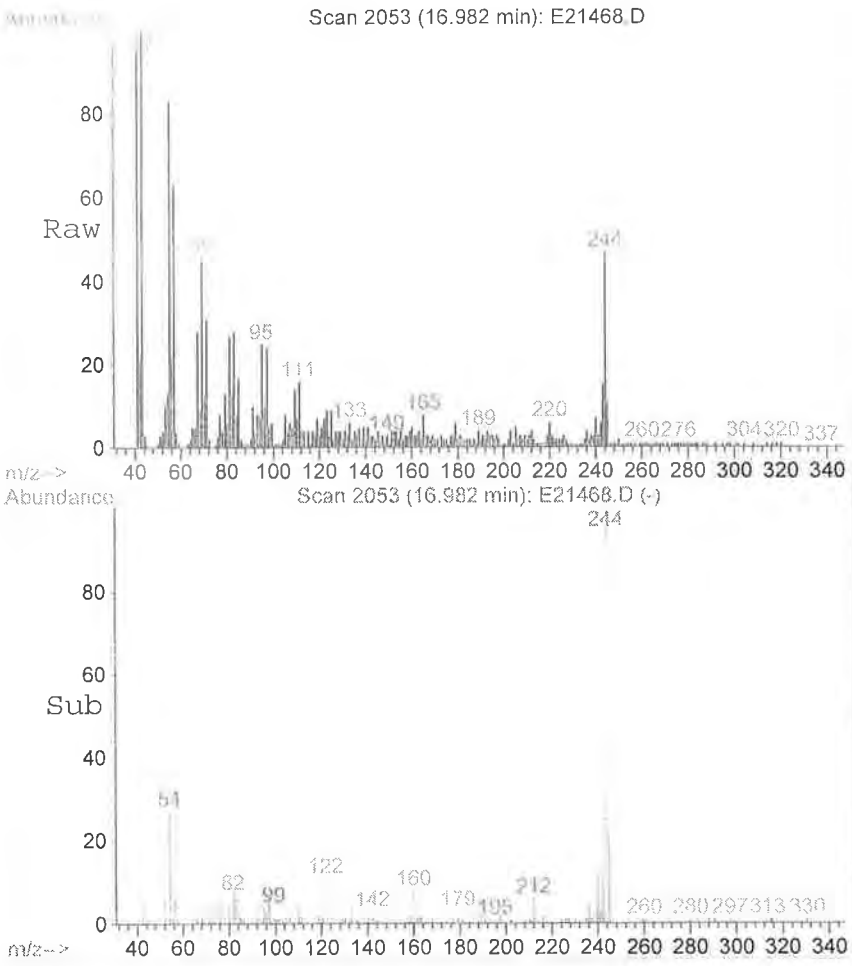
#59
2,4,6-Tribromophenol
Concen: 2.91 ug/mL
RT: 13.74 min Scan# 1504
Delta R.T. -0.01 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:330 Resp: 66965

Ion	Ratio	Lower	Upper
330	100		
332	108.0	79.5	119.3
328	0.0	28.5	42.7#
334	0.0	26.3	39.5#



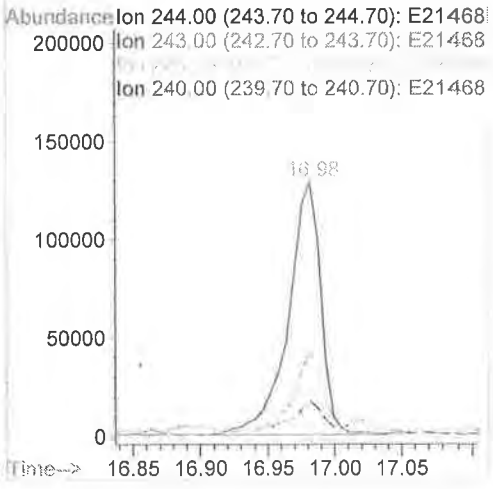


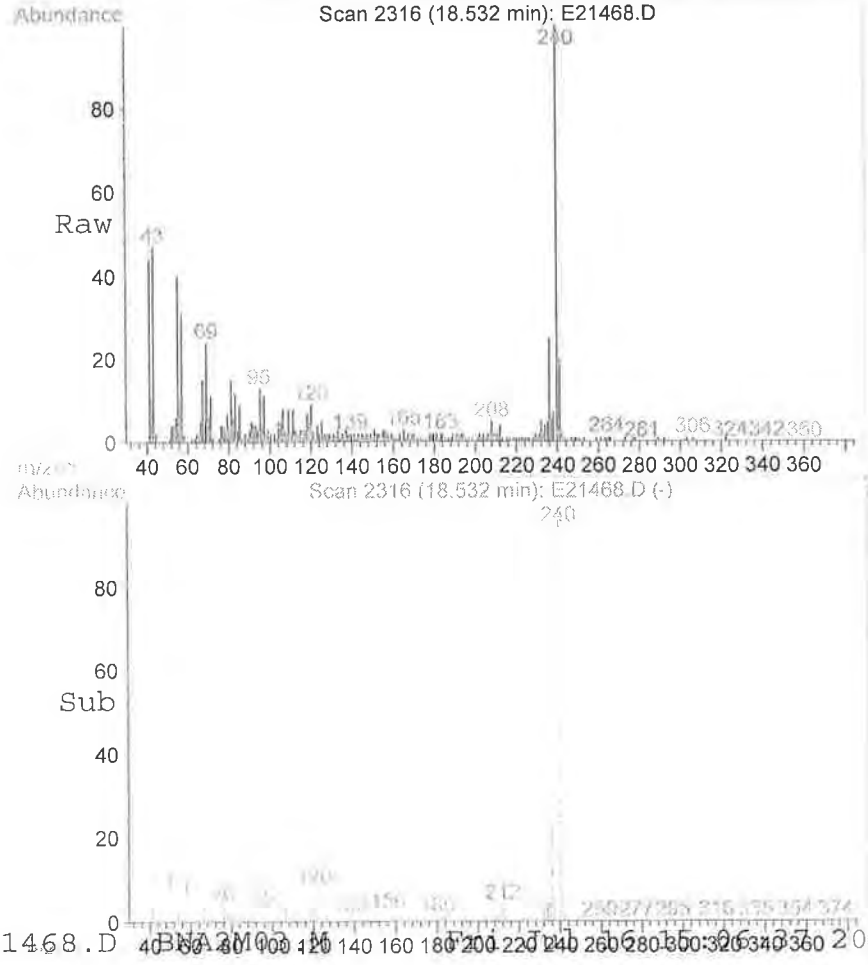


#69
Terphenyl-d14
Concen: 13.23 ug/mL
RT: 16.98 min Scan# 2053
Delta R.T. -0.01 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:244 Resp: 2176482

Ion	Ratio	Lower	Upper
244	100		
243	32.2	25.6	38.4
245	21.0	14.9	22.3
240	13.1	7.6	11.4#

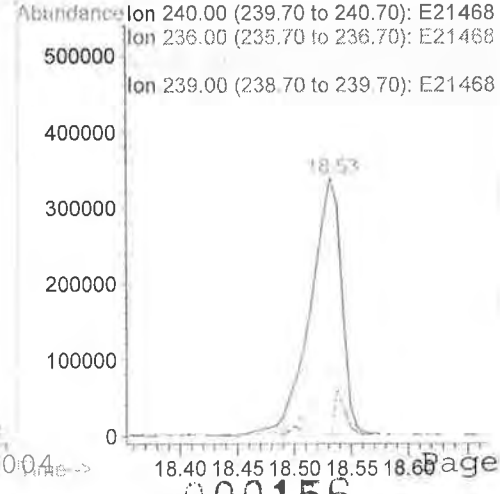




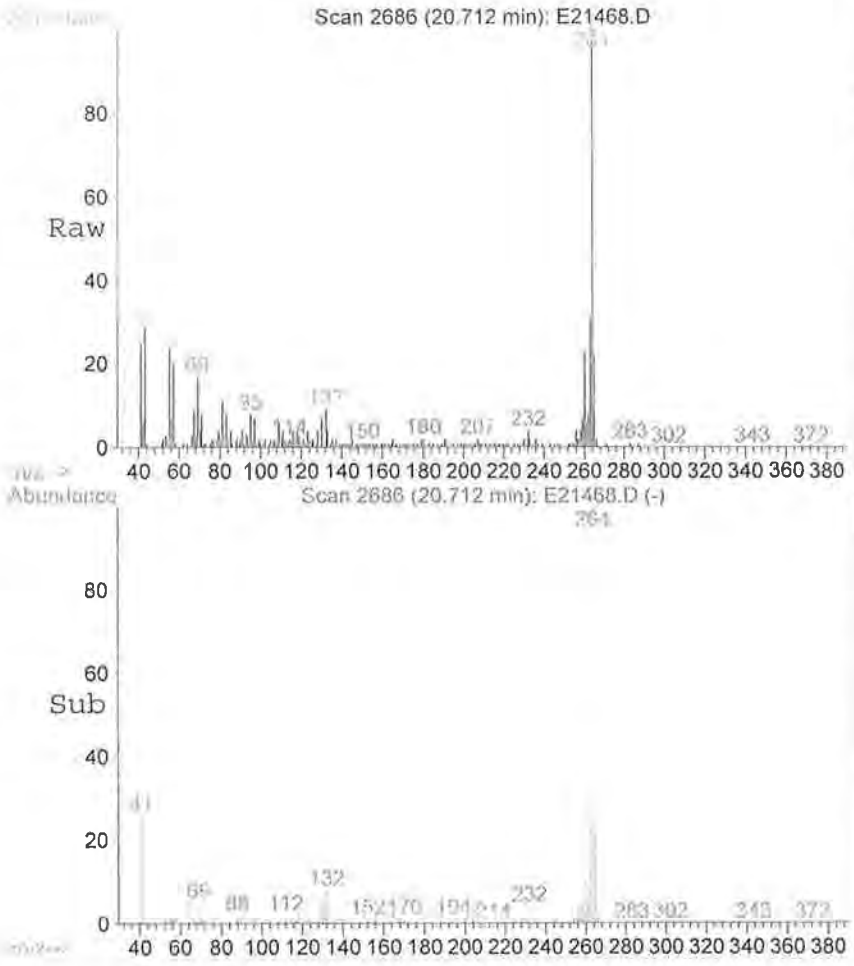
#74
Chyrsene-d12
Concen: 40.00 ug/mL
RT: 18.53 min Scan# 2316
Delta R.T. -0.02 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:240 Resp: 6453789

Ion	Ratio	Lower	Upper
240	100		
236	24.6	12.0	35.9
241	20.2	9.9	29.7
239	6.8	3.4	10.1



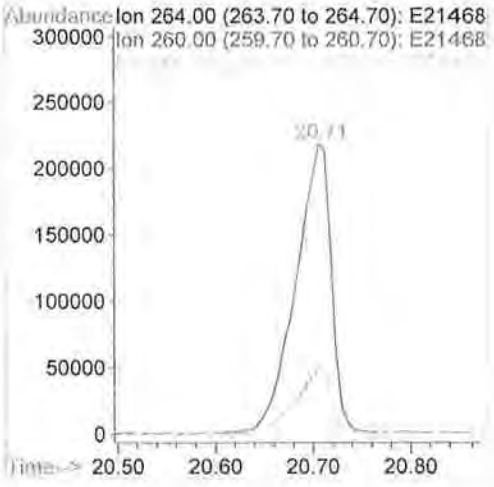
000156



#83
Perylene-d12
Concen: 40.00 ug/mL
RT: 20.71 min Scan# 2686
Delta R.T. -0.03 min
Lab File: E21468.D
Acq: 7 Jun 2004 5:16 pm

Tgt Ion:264 Resp: 5500003

Ion	Ratio	Lower	Upper
264	100		
260	22.2	11.3	33.8
265	22.2	10.8	32.3



YORK
ANALYTICAL LABORATORIES, INC.

Form 1
Semivolatile Organics Analysis Data Sheet - 8270 - SPECIFIC BN LIST

Client Sample ID

PGW-2

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	5/26/04	*Sample Type:*	**WATER**
Matrix:	WATER	Date Received:	5/26/04		
Dilution Factor:	20.00	Date Extracted:	6/1/04	SDG:	04050709
Conc. Extract Vol.:	10 ml	Date Analyzed:	6/7/04	Lab ID:	04050709-02
Injection Volume:	1.0 ul	Level:	LOW	Lab File ID:	E21469.D
GPC Cleanup:	N				

CONCENTRATION UNITS **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
PGW-2	04050709-02	Acenaphthylene	2000 U
PGW-2	04050709-02	Anthracene	1000 J
PGW-2	04050709-02	Bis(2-ethylhexyl)phthalate	2000 U
PGW-2	04050709-02	1,3-Dichlorobenzene	2000 U
PGW-2	04050709-02	1,4-Dichlorobenzene	2000 U
PGW-2	04050709-02	1,2-Dichlorobenzene	2000 U
PGW-2	04050709-02	Fluoranthene	420 J
PGW-2	04050709-02	Fluorene	4000
PGW-2	04050709-02	2-Methylnaphthalene	1600 J
PGW-2	04050709-02	Naphthalene	2000 U
PGW-2	04050709-02	Phenanthrene	9700
PGW-2	04050709-02	Pyrene	600 J

Form 1-PAH

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21469.D Vial: 5
Acq On : 7 Jun 2004 5:55 pm Operator: SW
Sample : 04050709-02 $BNEXTW 1000ML/10ML 20X ASPB Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 200.00
MS Integration Params: events.e
Quant Time: Jul 16 14:52 19104 Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	1526638	40.00	ug/mL	-0.04
21) Naphthalene-d8	10.12	136	4857387	40.00	ug/mL	-0.04
35) Acenaphthene-d10	12.61	164	3967352	40.00	ug/mL	0.00
57) Phenanthrene-d10	14.73	188	6268691	40.00	ug/mL	0.00
74) Chyrsene-d12	18.50	240	5664532	40.00	ug/mL	-0.05
83) Perylene-d12	20.69	264	5085809	40.00	ug/mL	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/mL	
Spiked Amount 200.000	Range 15 - 87		Recovery = 0.00%#			
5) Phenol-d5	8.46	99	57673	1.58	ug/mL	0.31
Spiked Amount 200.000	Range 10 - 100		Recovery = 0.79%#			
19) Nitrobenzene-d5	9.22	82	86322	1.55	ug/mL	-0.04
Spiked Amount 100.000	Range 26 - 120		Recovery = 1.55%#			
38) 2-Fluorobiphenyl	11.62	172	76877	0.52	ug/mL	-0.02
Spiked Amount 100.000	Range 29 - 120		Recovery = 0.52%#			
59) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/mL	
Spiked Amount 200.000	Range 35 - 126		Recovery = 0.00%#			
69) Terphenyl-d14	16.96	244	154555	1.04	ug/mL	-0.03
Spiked Amount 100.000	Range 35 - 127		Recovery = 1.04%#			
Target Compounds						Qvalue
33) 2-Methylnaphthalene	11.09	142	722770	1606.55	ug/mL	92
51) Fluorene	13.38	166	2659529	4001.45	ug/mL#	75
63) Phenanthrene	14.76	178	8550558	9706.01	ug/mL#	97
64) Anthracene	14.81	178	907277	1012.14	ug/mL#	1
66) Fluoranthene	16.46	202	439756	423.69	ug/mL#	82
68) Pyrene	16.78	202	594680m	597.96	ug/mL	

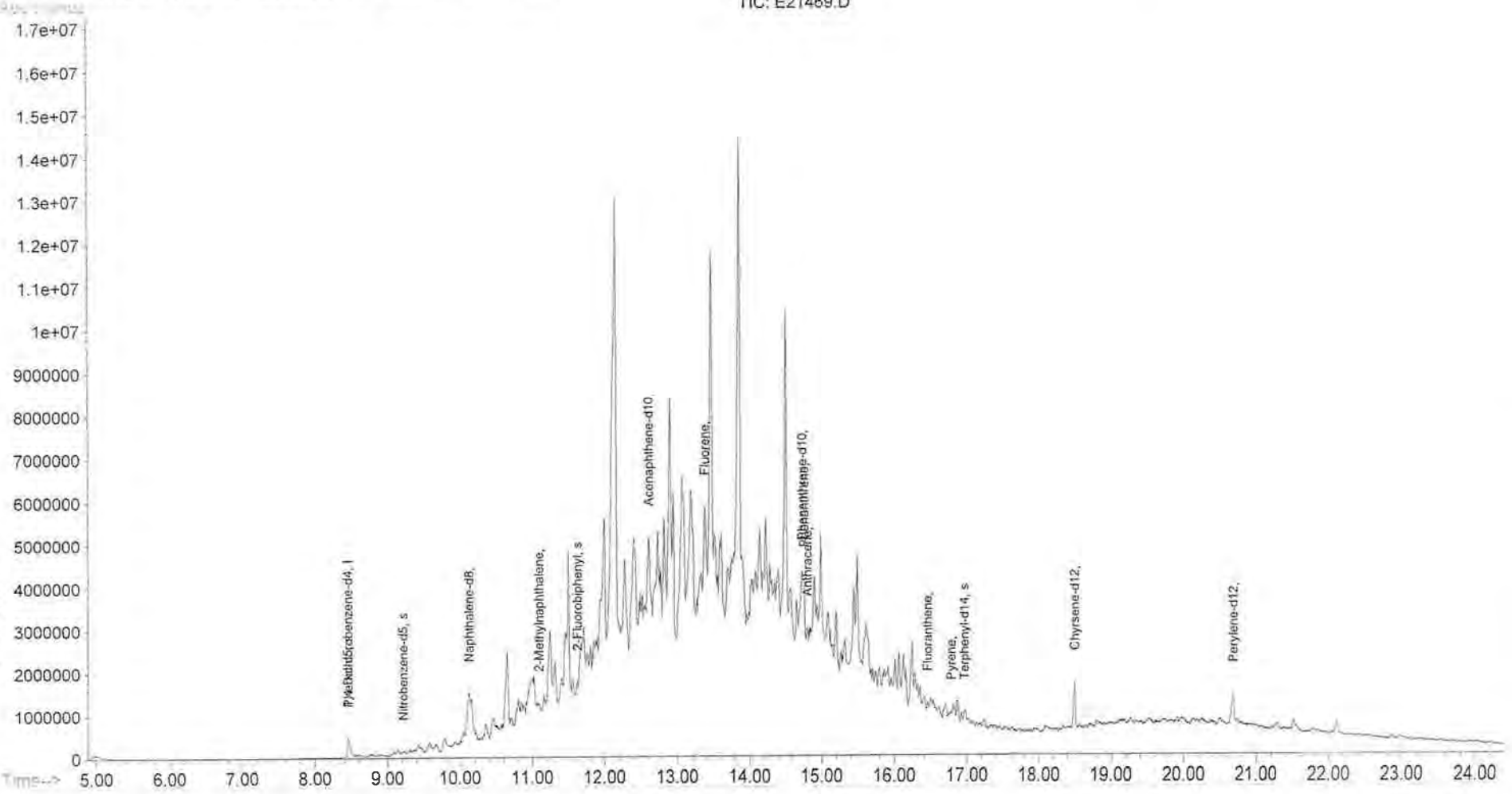
(#) = qualifier out of range (m) = manual integration

Quantitation Report

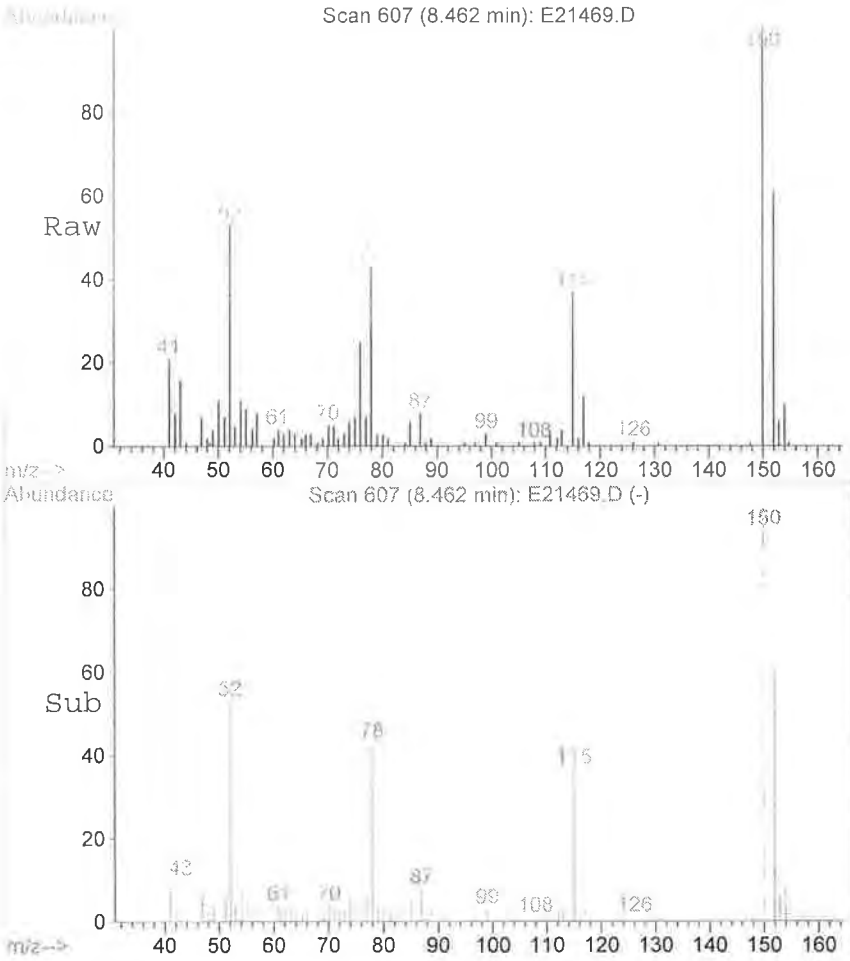
Data File : C:\HPCHEM\1\DATA\E21469.D Vial: 5
Acq On : 7 Jun 2004 5:55 pm Operator: SW
Sample : 04050709-02 $BNEXTW 1000ML/10ML 20X ASPB Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 200.00
MS Integration Params: events.e
Quant Time: Jul 16 14:52 19104 Quant Results File: BNA2M03.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Initial Calibration

TIC: E21469.D



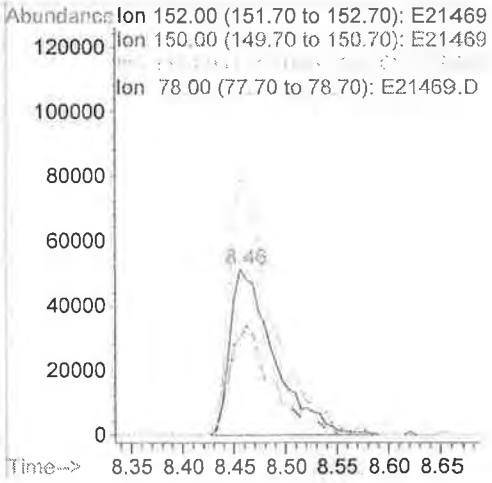
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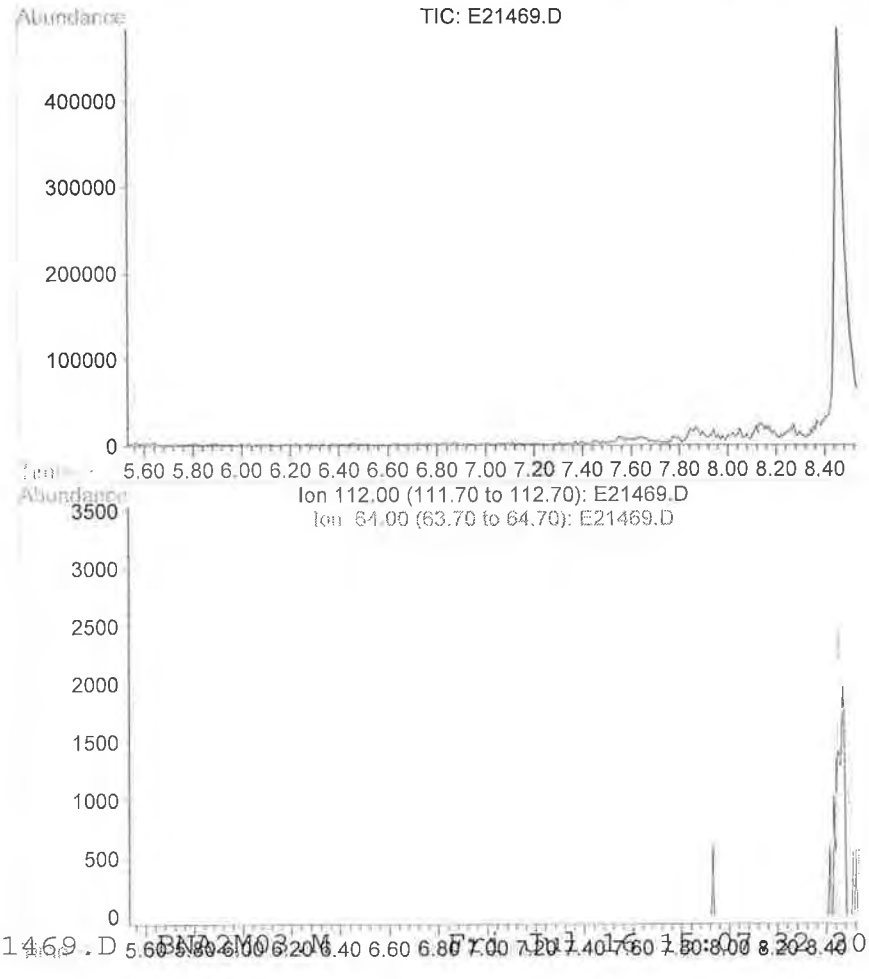


#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 8.46 min Scan# 607
Delta R.T. -0.04 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:152 Resp: 1526638

Ion	Ratio	Lower	Upper
152	100		
150	148.2	87.9	263.9
115	57.8	30.4	91.2
78	64.4	33.0	99.0



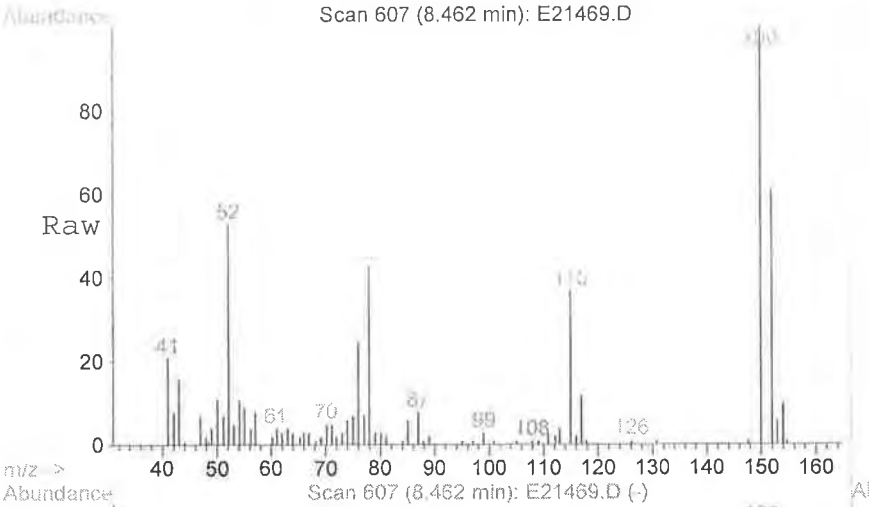


#4
2-Fluorophenol
Concen: 0.00 ug/mL
Expected RT: 7.03 min

Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion: 112

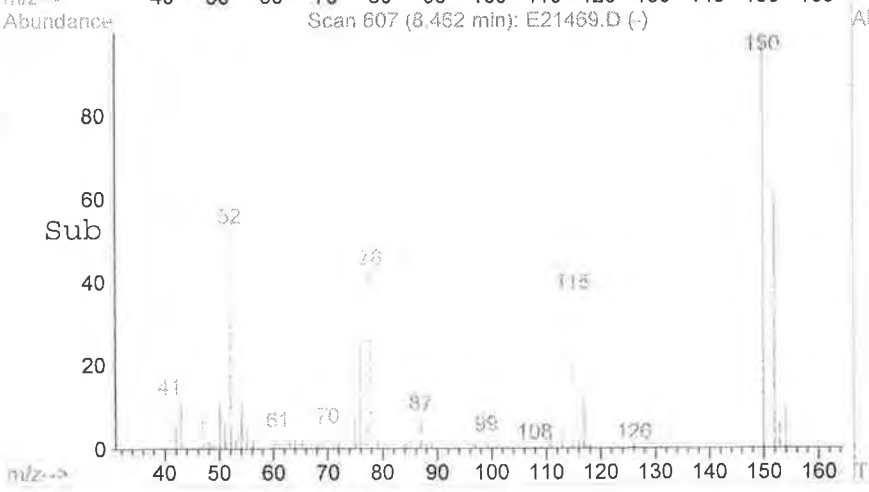
Sig	Exp Ratio
112	100
64	55.7
92	17.4

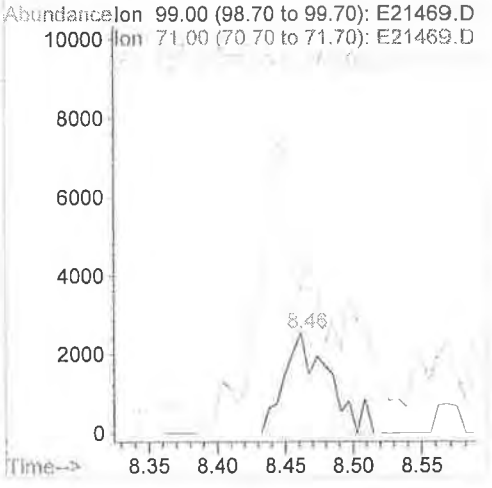


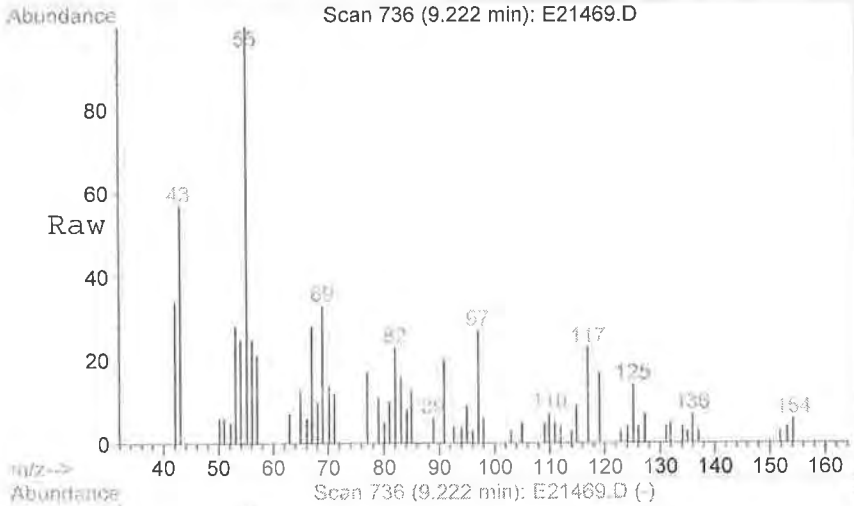
#5
Phenol-d5
Concen: 1.58 ug/mL
RT: 8.46 min Scan# 607
Delta R.T. 0.31 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion: 99 Resp: 57673

Ion	Ratio	Lower	Upper
99	100		
71	328.1	87.0	130.6#
70	131.3	31.8	47.6#



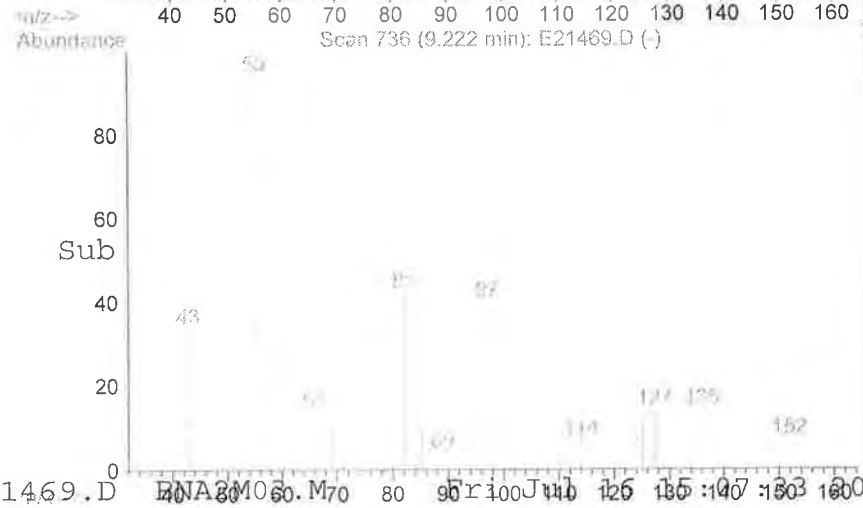


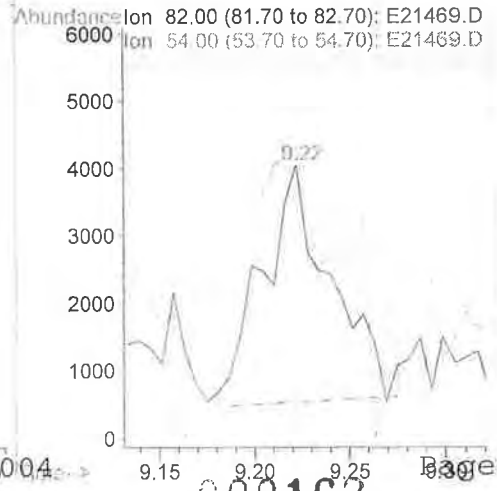


#19
Nitrobenzene-d5
Concen: 1.55 ug/mL
RT: 9.22 min Scan# 736
Delta R.T. -0.04 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

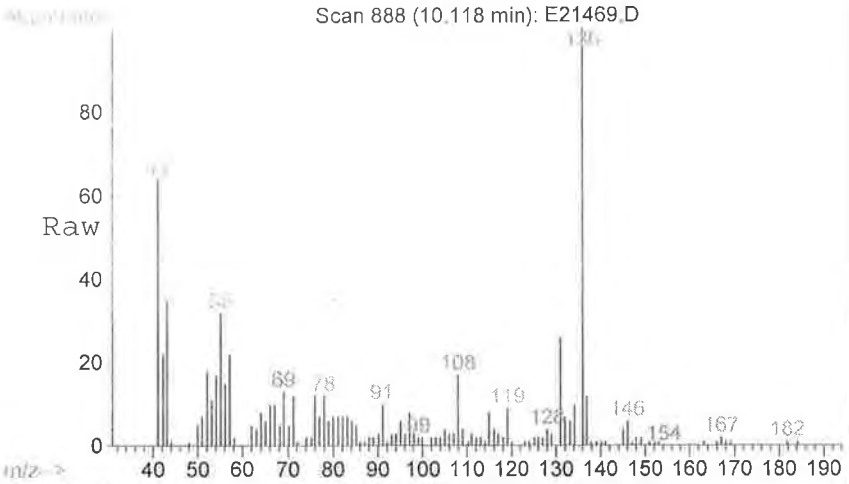
Tgt Ion: 82 Resp: 86322

Ion	Ratio	Lower	Upper
82	100		
54	86.9	74.4	111.6
128	0.0	31.0	46.6#





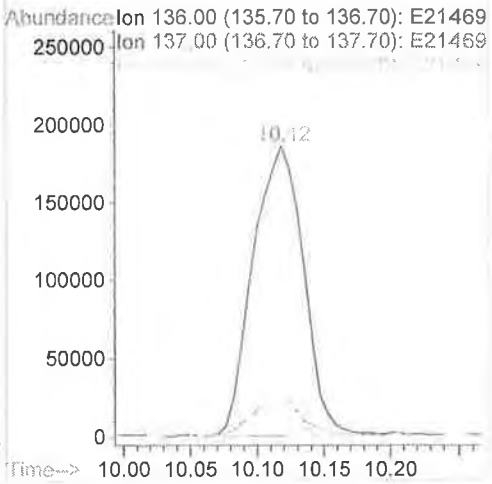
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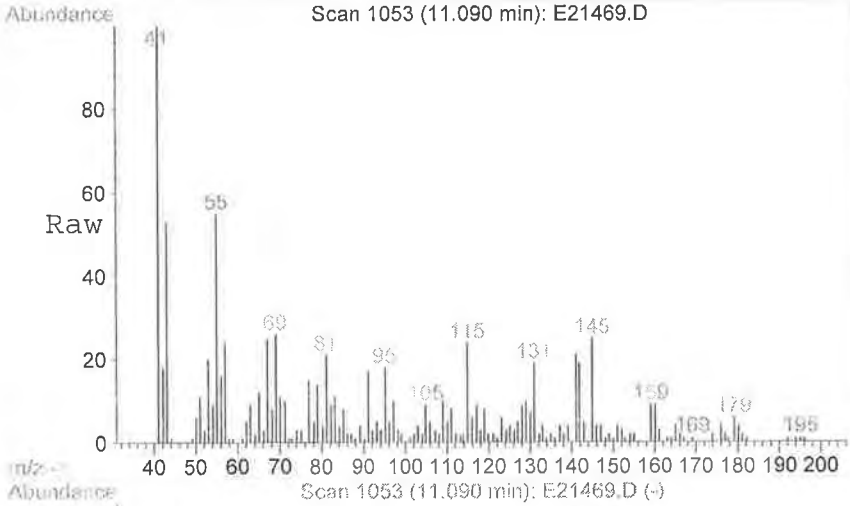


#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 10.12 min Scan# 888
Delta R.T. -0.04 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:136 Resp: 4857387

Ion	Ratio	Lower	Upper
136	100		
137	11.8	6.1	18.2
108	19.0	8.9	26.6

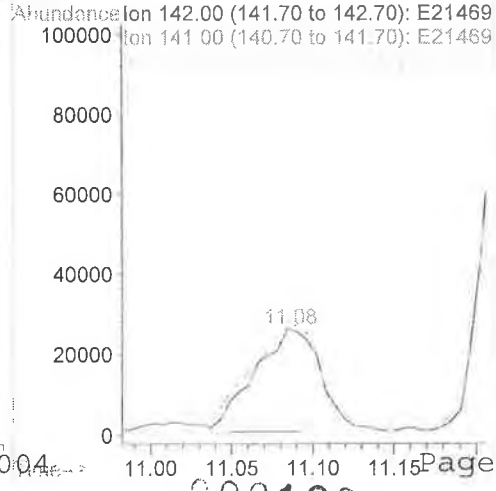




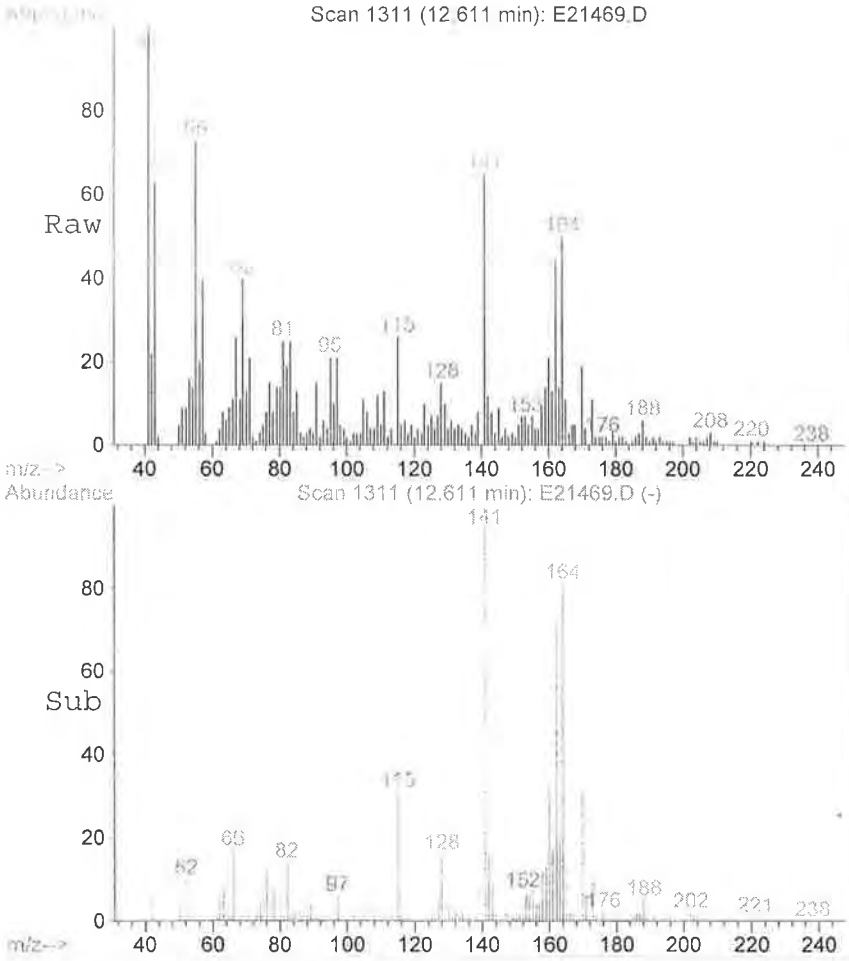
#33
2-Methylnaphthalene
Concen: 1606.55 ug/mL
RT: 11.09 min Scan# 1053
Delta R.T. -0.02 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:142 Resp: 722770

Ion	Ratio	Lower	Upper
142	100		
141	97.9	71.2	106.8
115	51.5	44.9	67.3



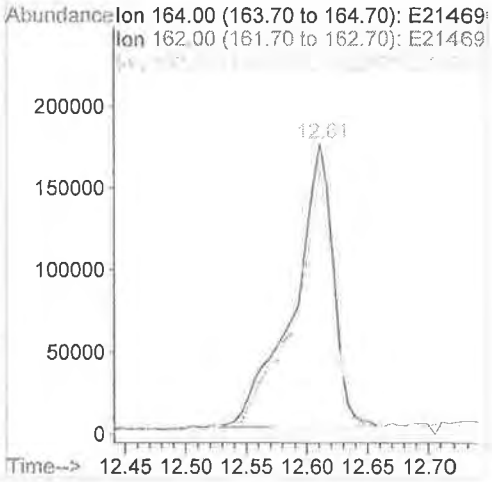
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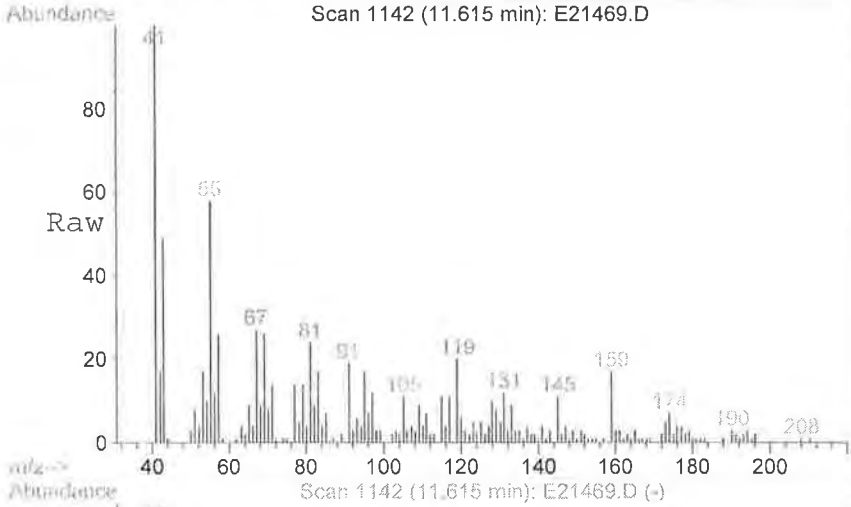


#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 12.61 min Scan# 1311
Delta R.T. 0.01 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:164 Resp: 3967352

Ion	Ratio	Lower	Upper
164	100		
162	89.9	47.1	141.3
160	43.1	21.1	63.1

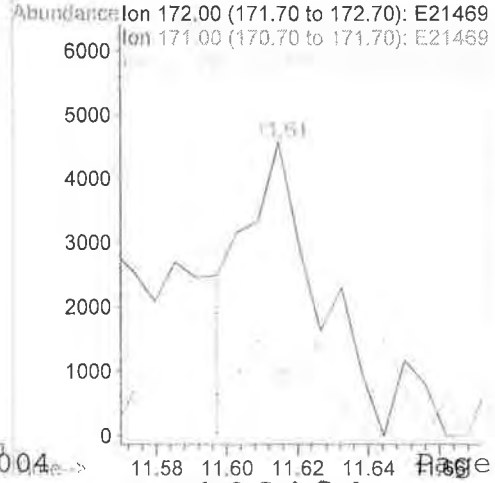


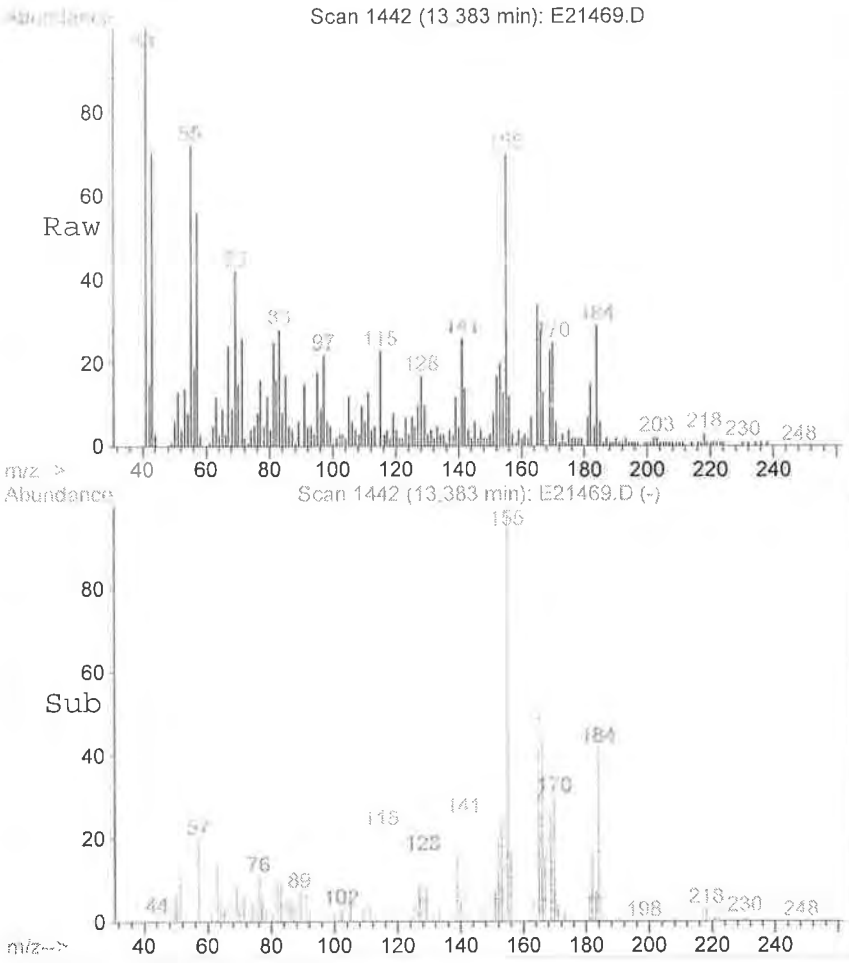


#38
2-Fluorobiphenyl
Concen: 0.52 ug/mL
RT: 11.62 min Scan# 1142
Delta R.T. -0.02 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:172 Resp: 76877

Ion	Ratio	Lower	Upper
172	100		
171	0.0	30.1	45.1#
170	27.0	20.0	30.0

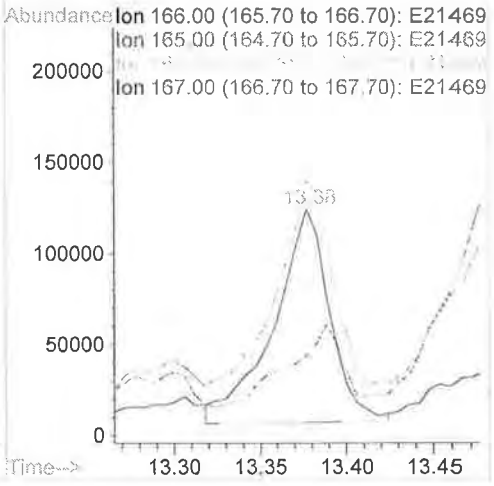


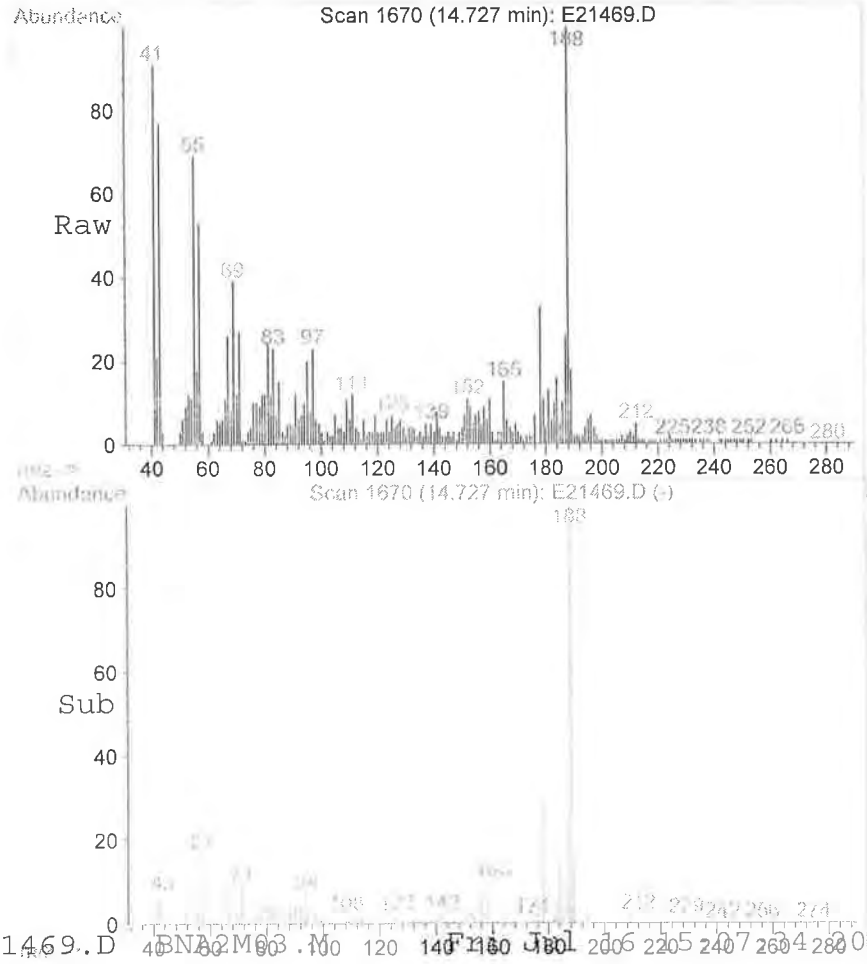


#51
Fluorene
Concen: 4001.45 ug/mL
RT: 13.38 min Scan# 1442
Delta R.T. 0.01 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:166 Resp: 2659529

Ion	Ratio	Lower	Upper
166	100		
165	116.1	75.1	112.7#
163	19.1	13.6	20.4
167	40.3	11.4	17.2#

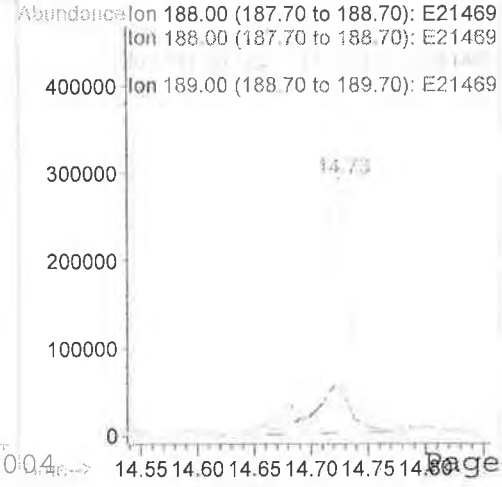


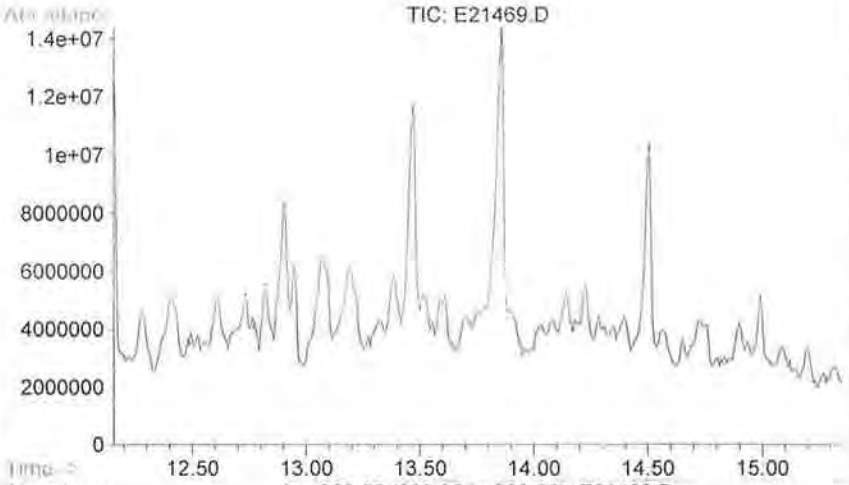


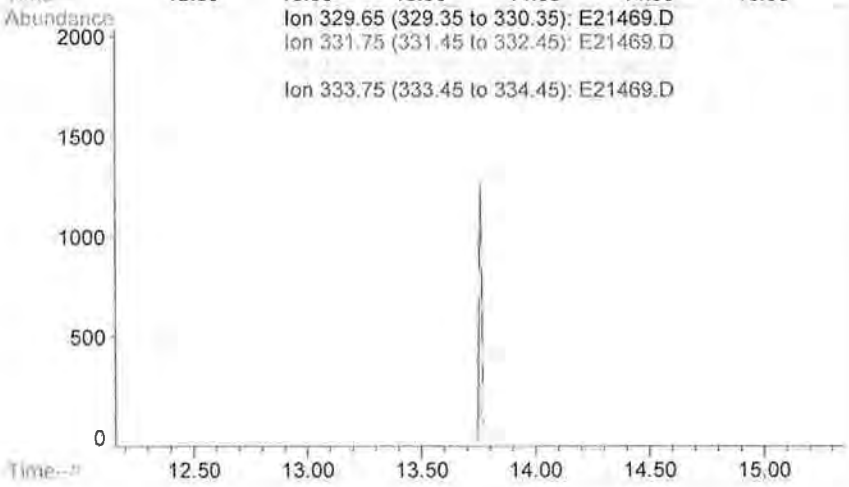
#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 14.73 min Scan# 1670
Delta R.T. 0.01 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:188 Resp: 6268691

Ion	Ratio	Lower	Upper
188	100		
188	100.0	80.0	120.0
187	24.1	0.0	0.0#
189	0.0	7.6	22.8#





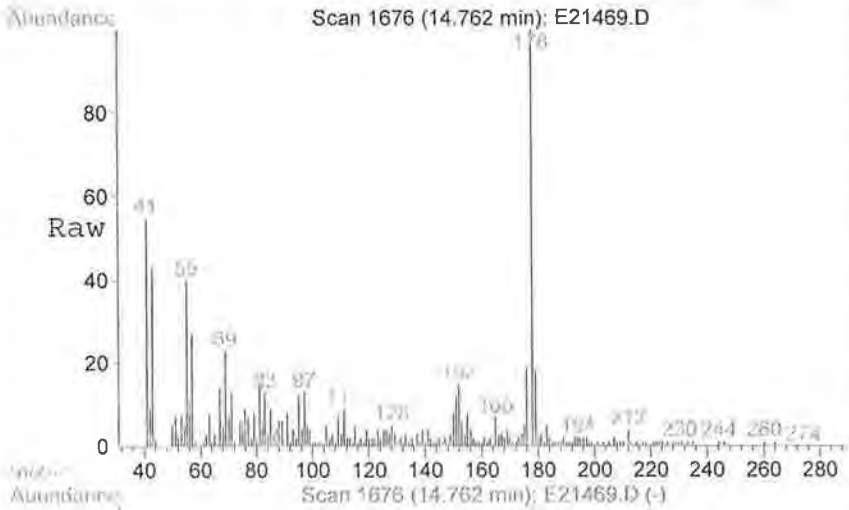


#59
2,4,6-Tribromophenol
Concen: 0.00 ug/mL
Expected RT: 13.76 min

Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion: 330

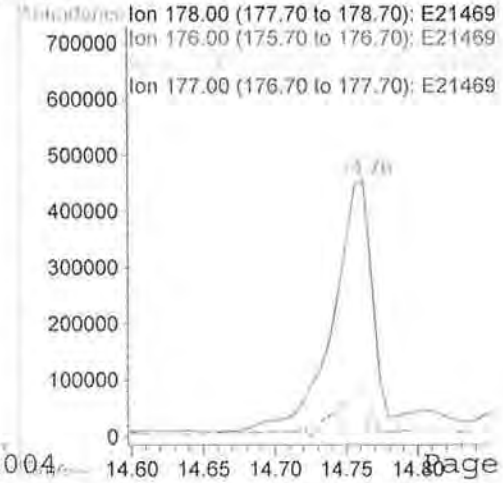
Sig	Exp Ratio
330	100
332	99.4
328	35.6
334	32.9

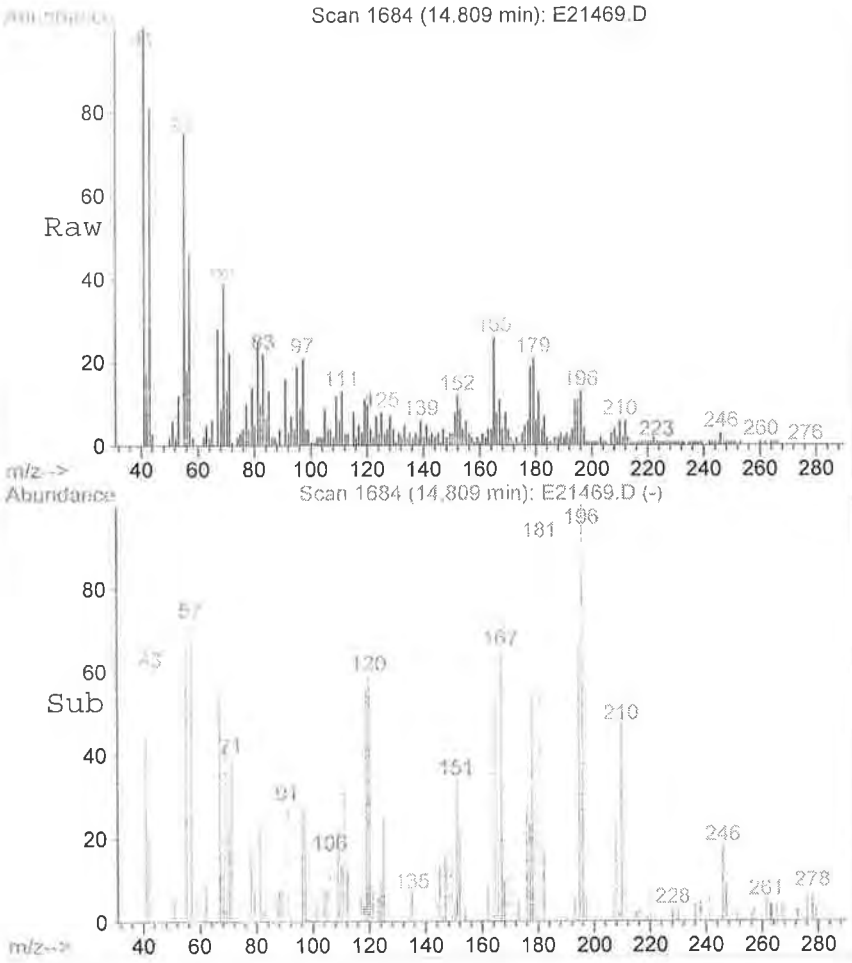


#63
Phenanthrene
Concen: 9706.01 ug/mL
RT: 14.76 min Scan# 1676
Delta R.T. 0.00 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:178 Resp: 8550558

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	18.8	13.4	20.2
177	2.1	2.6	3.8#

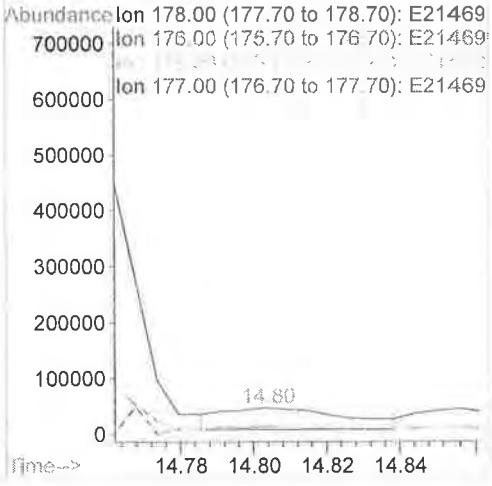


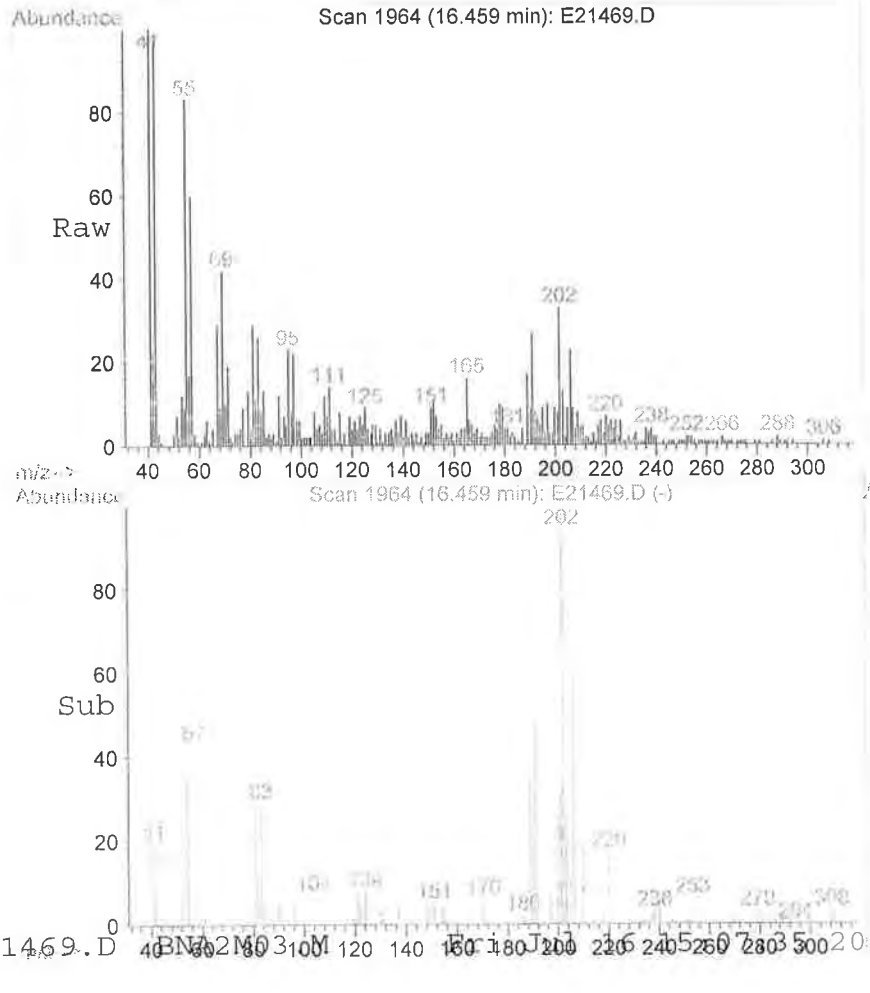


#64
Anthracene
Concen: 1012.14 ug/mL
RT: 14.81 min Scan# 1684
Delta R.T. -0.02 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:178 Resp: 907277

Ion	Ratio	Lower	Upper
178	100		
176	23.6	15.6	23.4#
179	112.2	12.6	18.8#
177	39.0	0.2	0.2#

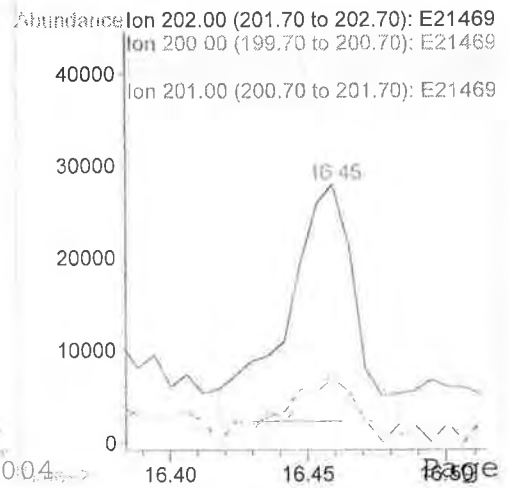


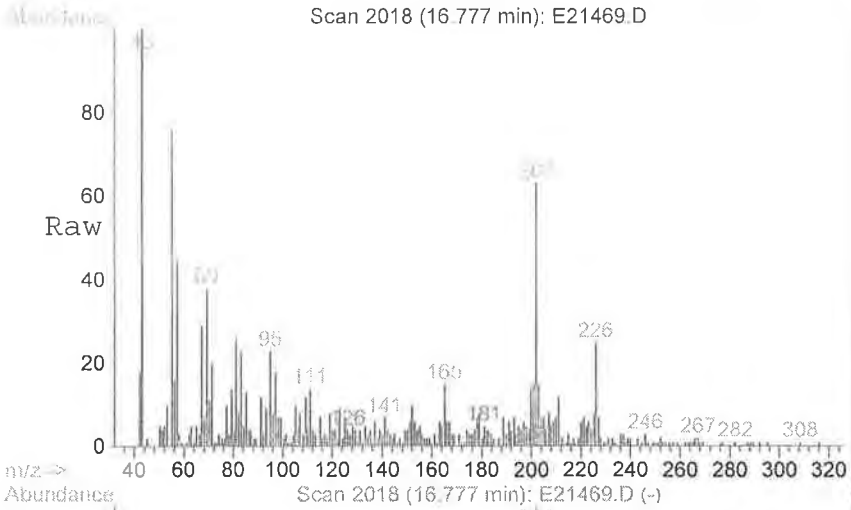


#66
Fluoranthene
Concen: 423.69 ug/mL
RT: 16.46 min Scan# 1964
Delta R.T. -0.01 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:202 Resp: 439756

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.0	25.4
203	40.3	14.2	21.4#
201	24.8	17.3	25.9

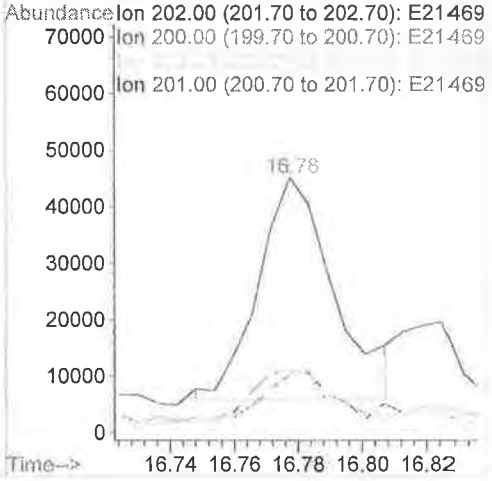


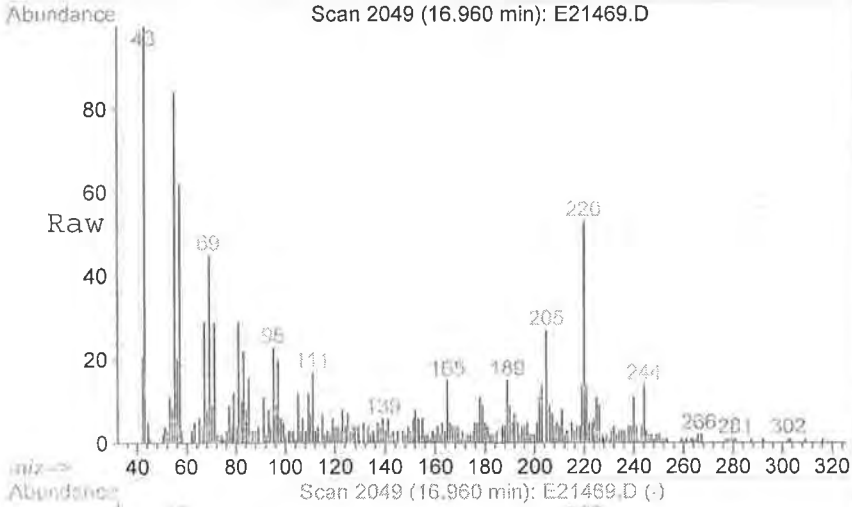


#68
Pyrene
Concen: 597.96 ug/mL m
RT: 16.78 min Scan# 2018
Delta R.T. -0.03 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:202 Resp: 594680

Ion	Ratio	Lower	Upper
202	100		
200	7.1	17.7	26.5#
203	54.1	15.1	22.7#
201	0.0	18.2	27.2#

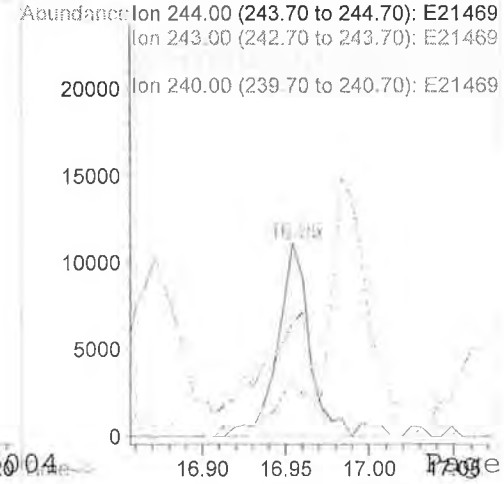


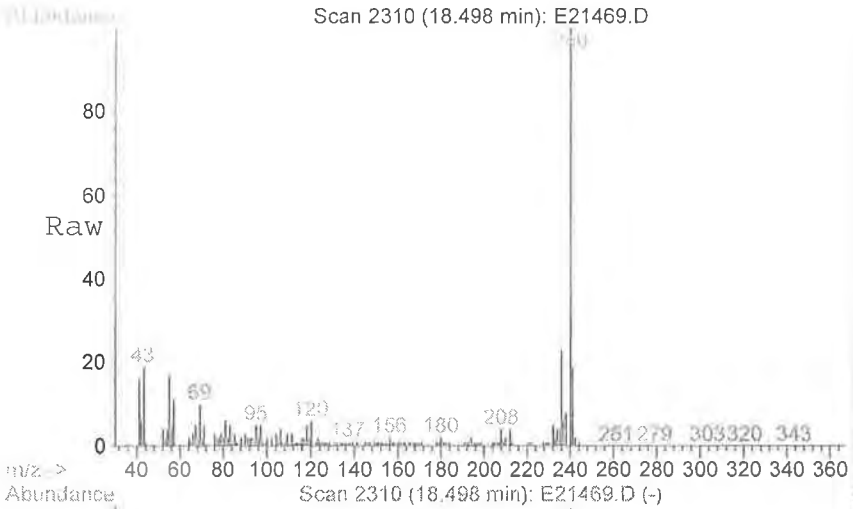


#69
Terphenyl-d14
Concen: 1.04 ug/mL
RT: 16.96 min Scan# 2049
Delta R.T. -0.03 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:244 Resp: 154555

Ion	Ratio	Lower	Upper
244	100		
243	41.5	25.6	38.4#
245	23.7	14.9	22.3#
240	84.2	7.6	11.4#

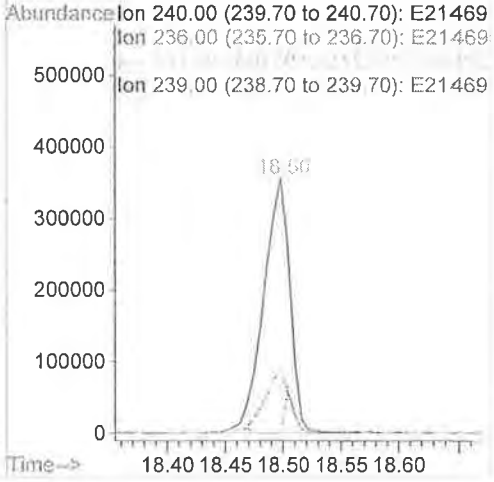


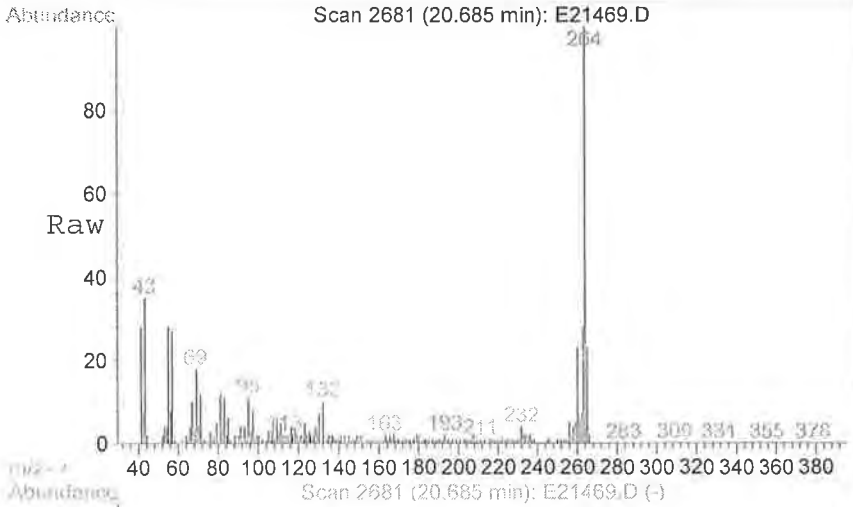


#74
Chyrsene-d12
Concen: 40.00 ug/mL
RT: 18.50 min Scan# 2310
Delta R.T. -0.05 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:240 Resp: 5664532

Ion	Ratio	Lower	Upper
240	100		
236	24.6	12.0	35.9
241	20.5	9.9	29.7
239	5.5	3.4	10.1

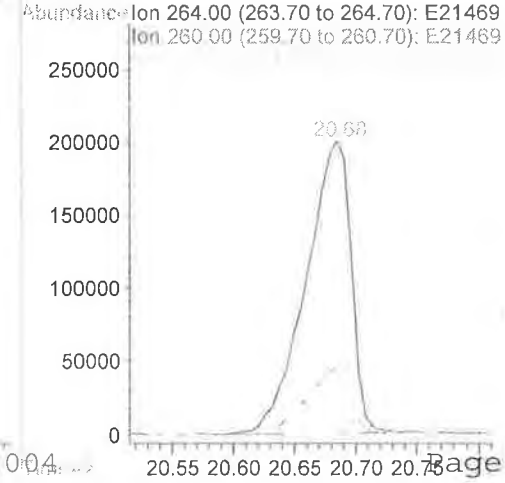




#83
Perylene-d12
Concen: 40.00 ug/mL
RT: 20.69 min Scan# 2681
Delta R.T. -0.06 min
Lab File: E21469.D
Acq: 7 Jun 2004 5:55 pm

Tgt Ion:264 Resp: 5085809

Ion	Ratio	Lower	Upper
264	100		
260	23.6	11.3	33.8
265	21.9	10.8	32.3



Response Factor Report GCMS BNA

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:38:28 2004
Response via : Initial Calibration

Calibration Files
10 =E21370.D 20 =E21371.D 50 =E21372.D
80 =E21373.D 100 =E21374.D 120 =E21375.D

		Compound	10	20	50	80	100	120	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		N-Nitrosodimethylam	0.295	0.351	0.318	0.299	0.343	0.298	0.317	7.73
3)		Pyridine	0.444	0.492	0.512	0.455	0.531	0.556	0.498	8.72
4)	s	2-Fluorophenol	0.948	0.969	0.869	0.951	0.910	0.889	0.923	4.29
5)	s	Phenol-d5	0.894	0.943	0.872	0.994	0.979	1.073	0.959	7.62
6)		Aniline	0.854	1.034	0.914	1.113	1.035	1.239	1.032	13.38
7)		Phenol	0.981	1.125	1.021	1.185	1.217	1.356	1.148	11.95
8)		Bis(2-chloroethyl)e	0.862	0.970	0.852	0.908	0.965	0.950	0.918	5.66
9)		2-Chlorophenol	1.056	1.246	1.075	1.118	1.095	1.097	1.114	6.07
10)		1,3-Dichlorobenzene	1.367	1.454	1.286	1.360	1.302	1.277	1.341	5.01
11)		1,4-Dichlorobenzene	1.645	1.759	1.558	1.647	1.573	1.549	1.622	4.90
12)		Benzyl Alcohol	0.552	0.611	0.531	0.586	0.624	0.670	0.595	8.48
13)		1,2-Dichlorobenzene	1.387	1.559	1.335	1.427	1.393	1.424	1.421	5.30
14)		2-Methylphenol	0.623	0.724	0.675	0.737	0.752	0.823	0.722	9.49
15)		Bis(2-chloroisoprop	0.904	1.037	1.025	1.147	1.227	1.431	1.128	16.38
16)		N-Nitroso-di-n-prop	0.843	0.795	0.723	0.810	0.853	0.935	0.827	8.53
17)		4-Methylphenol	0.981	1.070	0.931	1.016	1.015	1.049	1.010	4.89
18)		Hexachloroethane	0.575	0.671	0.618	0.666	0.643	0.681	0.642	6.24
19)	s	Nitrobenzene-d5	1.368	1.508	1.374	1.473	1.516	1.492	1.455	4.60
20)		Nitrobenzene	1.186	1.500	1.336	1.459	1.519	1.485	1.414	9.15
21)		Naphthalene-d8	----------ISTD----------							
22)		Isophorone	0.708	0.773	0.710	0.708	0.706	0.695	0.717	3.93
23)		2-Nitrophenol	0.210	0.256	0.227	0.240	0.235	0.238	0.235	6.46
24)		2,4-Dimethylphenol	0.269	0.295	0.276	0.274	0.287	0.280	0.280	3.40
25)		Bis(2-chloroethoxy)	0.272	0.322	0.304	0.314	0.323	0.315	0.308	6.14
26)		Benzoic acid	0.145	0.197	0.200	0.225	0.242	0.192	0.200	16.63
27)		2,4-Dichlorophenol	0.382	0.418	0.377	0.383	0.395	0.374	0.388	4.17
28)		1,2,4-Trichlorobenz	0.443	0.514	0.465	0.468	0.467	0.450	0.468	5.27
29)		Naphthalene	0.958	1.065	0.943	0.997	1.013	1.002	0.996	4.35
30)		4-Chloroaniline	0.347	0.427	0.396	0.412	0.411	0.396	0.398	6.91
31)		Hexachlorobutadiene	0.283	0.314	0.286	0.300	0.300	0.289	0.295	3.89
32)		4-Chloro-3-methylph	0.316	0.373	0.346	0.369	0.369	0.357	0.355	6.07
33)		2-Methylnaphthalene	0.736	0.759	0.714	0.741	0.765	0.732	0.741	2.52
34)		Hexachlorocyclopent		0.055	0.123	0.135	0.168	0.178	0.132	36.82
35)		Acenaphthene-d10	----------ISTD----------							
36)		2,4,6-Trichlorophen	0.452	0.489	0.462	0.471	0.466	0.459	0.467	2.71
37)		2,4,5-Trichlorophen	0.485	0.526	0.508	0.539	0.523	0.504	0.514	3.73
38)	s	2-Fluorobiphenyl	1.447	1.622	1.464	1.481	1.482	1.451	1.491	4.42
39)		2-Chloronaphthalene	1.149	1.333	1.175	1.243	1.210	1.172	1.213	5.53
40)		2-Nitroaniline	0.406	0.430	0.381	0.412	0.404	0.379	0.402	4.80
41)		Dimethylphthalate	1.530	1.690	1.493	1.561	1.588	1.475	1.556	4.98
42)		2,6-Dinitrotoluene	0.376	0.397	0.368	0.403	0.413	0.378	0.389	4.53

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:38:28 2004
Response via : Initial Calibration

Calibration Files
10 =E21370.D 20 =E21371.D 50 =E21372.D
80 =E21373.D 100 =E21374.D 120 =E21375.D

		Compound	10	20	50	80	100	120	Avg	%RSD
43)		Acenaphthylene	1.784	1.941	1.732	1.784	1.805	1.748	1.799	4.14
44)		3-Nitroaniline	0.268	0.291	0.305	0.326	0.336	0.332	0.309	8.57
45)		Acenaphthene	1.027	1.101	0.996	1.067	1.058	1.044	1.049	3.41
46)		2,4-Dinitrophenol		0.200	0.223	0.261	0.270	0.255	0.242	12.07
47)		Dibenzofuran	1.817	1.891	1.710	1.806	1.754	1.695	1.779	4.14
48)		2,4-Dinitrotoluene	0.485	0.538	0.509	0.522	0.537	0.503	0.516	3.99
49)		4-Nitrophenol	0.348	0.364	0.457	0.449	0.533	0.428	0.430	15.72
50)		Diethyl phthalate	1.659	1.708	1.573	1.624	1.702	1.539	1.634	4.19
51)		Fluorene	1.302	1.404	1.305	1.367	1.356	1.308	1.340	3.11
52)		4-Chlorophenyl phen	0.722	0.787	0.731	0.742	0.763	0.730	0.746	3.33
53)		4-Nitroaniline	0.275	0.308	0.309	0.335	0.352	0.353	0.322	9.51
54)		4,6-Dinitro-2-methy	0.225	0.302	0.322	0.348	0.395	0.374	0.328	18.48
55)		Diphenylamine	0.890	1.022	0.957	1.021	1.047	0.983	0.987	5.76
56)		N-Nitrosodiphenylam	0.365	0.382	0.333	0.366	0.367	0.345	0.360	4.88
57)		Phenanthrene-d10	----------ISTD----------							
58)		Azobenzene	0.937	1.042	0.997	1.048	1.180	1.176	1.063	9.15
59)	s	2,4,6-Tribromopheno	0.128	0.131	0.122	0.133	0.149	0.136	0.133	6.80
60)		4-Bromophenyl pheny	0.234	0.280	0.251	0.250	0.268	0.253	0.256	6.25
61)		Hexachlorobenzene	0.122	0.135	0.117	0.122	0.125	0.116	0.123	5.68
62)		Pentachlorophenol		0.111	0.133	0.147	0.177	0.169	0.148	18.11
63)		Phenanthrene	1.141	1.232	1.065	1.085	1.152	1.071	1.124	5.70
64)		Anthracene	1.166	1.171	1.114	1.150	1.169	1.093	1.144	2.88
65)		Di-n-butyl phthalat	1.507	1.673	1.497	1.474	1.596	1.445	1.532	5.60
66)		Fluoranthene	1.324	1.414	1.304	1.307	1.342	1.257	1.325	3.92
67)		Benzidine	0.230	0.358	0.378	0.410	0.420	0.416	0.369	19.53
68)		Pyrene	1.275	1.341	1.239	1.244	1.284	1.232	1.269	3.23
69)	s	Terphenyl-d14	0.908	0.975	0.924	0.948	1.007	0.955	0.953	3.72
70)		Benzyl butyl phthal	0.739	0.767	0.729	0.697	0.748	0.717	0.733	3.35
71)		Bis(2-ethylhexyl) p	0.989	1.043	1.073	1.144	1.260	1.184	1.116	8.90
72)		Benz (a) anthracene	1.231	1.340	1.216	1.247	1.305	1.293	1.272	3.78
73)		3,3-Dichlorobenzidi	0.404	0.466	0.495	0.562	0.592	0.580	0.517	14.32
74)		Chyrsene-d12	----------ISTD----------							
75)		Chrysene	1.162	1.211	1.110	1.119	1.115	1.072	1.131	4.28
76)		Di-n-octyl phthalat	1.568	1.707	1.573	1.601	1.656	1.573	1.613	3.52
77)		Benzo(b)fluoranthen	1.186	1.219	1.271	1.591	1.470	1.444	1.363	11.86
78)		Benzo(k)fluoranthen	1.166	1.277	1.101	1.021	0.925	0.884	1.062	14.01
79)		Benzo(a)pyrene	1.035	1.176	0.992	1.041	1.028	1.008	1.047	6.29
80)		Indeno(1,2,3-cd)pyr	1.108	1.240	1.103	1.126	1.180	1.145	1.150	4.53
81)		Dibenz(a,h)anthrace	0.865	0.991	0.921	0.938	0.981	0.940	0.939	4.83
82)		Benzo(g,h,i)perylen	0.838	0.984	0.873	0.874	0.921	0.893	0.897	5.64
83)		Perylene-d12	----------ISTD----------							

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21370.D
Acq On : 3 Jun 2004 1:03 pm
Sample : 10 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:48 19104

Vial: 9
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	1277985	40.00	ug/mL	-0.12
21) Naphthalene-d8	10.15	136	3504845	40.00	ug/mL	-0.13
35) Acenaphthene-d10	12.60	164	2190323	40.00	ug/mL	-0.13
57) Phenanthrene-d10	14.70	188	3677858	40.00	ug/mL	-0.13
74) Chyrsene-d12	18.53	240	3766727	40.00	ug/mL	-0.14
83) Perylene-d12	20.72	264	3309226	40.00	ug/mL	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	7.02	112	302926m	13.36	ug/mL	-0.12
Spiked Amount 200.000	Range 15 - 87		Recovery =	6.68%#		
5) Phenol-d5	8.13	99	285643	9.11	ug/mL	-0.12
Spiked Amount 200.000	Range 10 - 100		Recovery =	4.56%#		
19) Nitrobenzene-d5	9.25	82	436973	9.19	ug/mL	-0.13
Spiked Amount 100.000	Range 26 - 120		Recovery =	9.19%#		
38) 2-Fluorobiphenyl	11.62	172	792294	10.45	ug/mL	-0.13
Spiked Amount 100.000	Range 29 - 120		Recovery =	10.45%#		
59) 2,4,6-Tribromophenol	13.74	330	117673	9.16	ug/mL	-0.13
Spiked Amount 200.000	Range 35 - 126		Recovery =	4.58%#		
69) Terphenyl-d14	16.97	244	834536	10.04	ug/mL	-0.14
Spiked Amount 100.000	Range 35 - 127		Recovery =	10.04%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.39	74	94107m	10.30	ug/mL	
3) Pyridine	5.33	79	141729m	9.75	ug/mL	
6) Aniline	8.17	93	272780m	10.09	ug/mL	
7) Phenol	8.14	94	313510m	10.31	ug/mL	
8) Bis(2-chloroethyl)ether	8.22	93	275390m	10.33	ug/mL	
9) 2-Chlorophenol	8.30	128	337406	10.47	ug/mL	93
10) 1,3-Dichlorobenzene	8.45	146	436779	10.90	ug/mL	97
11) 1,4-Dichlorobenzene	8.52	146	525534	11.04	ug/mL	96
12) Benzyl Alcohol	8.71	108	176262m	10.09	ug/mL	
13) 1,2-Dichlorobenzene	8.76	146	443272	10.42	ug/mL	97
14) 2-Methylphenol	8.86	107	198929	8.44	ug/mL	90
15) Bis(2-chloroisopropyl) eth	8.87	45	288788m	8.18	ug/mL	
16) N-Nitroso-di-n-propylamine	9.06	70	269250m	9.95	ug/mL	
17) 4-Methylphenol	9.03	107	313445m	9.57	ug/mL	
18) Hexachloroethane	9.13	117	183645	9.03	ug/mL	93
20) Nitrobenzene	9.27	77	378844m	8.16	ug/mL	
22) Isophorone	9.55	82	620018m	10.30	ug/mL	
23) 2-Nitrophenol	9.67	139	184417	9.81	ug/mL	86
24) 2,4-Dimethylphenol	9.70	122	235951	10.73	ug/mL	92
25) Bis(2-chloroethoxy) methan	9.82	93	238640	9.32	ug/mL#	89

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\E21370.D
Acq On : 3 Jun 2004 1:03 pm
Sample : 10 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:48 19104

Vial: 9
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) Benzoic acid	9.86	105	126885m	8.42	ug/mL	
27) 2,4-Dichlorophenol	9.98	162	335143m	10.37	ug/mL	
28) 1,2,4-Trichlorobenzene	10.08	180	388540	9.80	ug/mL	96
29) Naphthalene	10.17	128	839513	10.65	ug/mL	95
30) 4-Chloroaniline	10.28	127	304232	9.80	ug/mL	92
31) Hexachlorobutadiene	10.38	225	248099	9.44	ug/mL	99
32) 4-Chloro-3-methylphenol	10.92	107	276902	8.91	ug/mL	94
33) 2-Methylnaphthalene	11.10	142	644679	10.65	ug/mL	91
36) 2,4,6-Trichlorophenol	11.53	196	247539	9.56	ug/mL	91
37) 2,4,5-Trichlorophenol	11.60	196	265351m	8.75	ug/mL	
39) 2-Chloronaphthalene	11.78	162	629002	10.27	ug/mL	98
40) 2-Nitroaniline	11.99	138	222425	10.74	ug/mL#	82
41) Dimethylphthalate	12.24	163	838066	9.46	ug/mL	100
42) 2,6-Dinitrotoluene	12.37	165	205854	10.18	ug/mL	82
43) Acenaphthylene	12.38	152	976889	10.73	ug/mL	97
44) 3-Nitroaniline	12.58	138	146845m	9.37	ug/mL	
45) Acenaphthene	12.64	154	562569	10.52	ug/mL	98
46) 2,4-Dinitrophenol	12.73	184	56884m	4.89	ug/mL	
47) Dibenzofuran	12.86	168	995034	11.13	ug/mL	99
48) 2,4-Dinitrotoluene	12.93	165	265837	9.53	ug/mL	96
49) 4-Nitrophenol	12.83	65	190703m	7.70	ug/mL	
50) Diethyl phthalate	13.23	149	908420	9.84	ug/mL	98
51) Fluorene	13.35	166	713151	10.20	ug/mL	98
52) 4-Chlorophenyl phenylether	13.33	204	395184	9.37	ug/mL	97
53) 4-Nitroaniline	13.47	138	150320m	9.98	ug/mL	
54) 4,6-Dinitro-2-methylphenol	13.51	198	123375m	7.81	ug/mL	
55) Diphenylamine	13.52	169	487596	8.87	ug/mL	90
56) N-Nitrosodiphenylamine	13.52	167	200106	10.18	ug/mL	89
58) Azobenzene	13.55	77	861505	10.04	ug/mL#	97
60) 4-Bromophenyl phenylether	14.02	248	214892	8.81	ug/mL	93
61) Hexachlorobenzene	14.26	142	112335	10.51	ug/mL	83
62) Pentachlorophenol	14.52	266	71311m	5.44	ug/mL	
63) Phenanthrene	14.73	178	1049139	11.30	ug/mL#	98
64) Anthracene	14.80	178	1072385	11.02	ug/mL#	98
65) Di-n-butyl phthalate	15.53	149	1385408	10.05	ug/mL	98
66) Fluoranthene	16.45	202	1217330	10.81	ug/mL	97
67) Benzidine	16.64	184	211546m	8.55	ug/mL	
68) Pyrene	16.78	202	1172319	10.64	ug/mL	98
70) Benzyl butyl phthalate	17.68	149	679921	9.95	ug/mL	95
71) Bis(2-ethylhexyl) phthalat	18.48	149	909585	8.63	ug/mL	98
72) Benz (a) anthracene	18.50	228	1131823	10.35	ug/mL	99
73) 3,3-Dichlorobenzidine	18.47	252	371849m	10.02	ug/mL	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21370.D
Acq On : 3 Jun 2004 1:03 pm
Sample : 10 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:48 19104

Vial: 9
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75) Chrysene	18.56	228	1094543	11.14	ug/mL#	98
76) Di-n-octyl phthalate	19.31	149	1476680	9.54	ug/mL#	98
77) Benzo(b)fluoranthene	20.07	252	1116821m	9.65	ug/mL	
78) Benzo(k)fluoranthene	20.11	252	1098089	13.29	ug/mL	96
79) Benzo(a)pyrene	20.61	252	975067	10.12	ug/mL#	99
80) Indeno(1,2,3-cd)pyrene	22.80	276	1043440	10.27	ug/mL	95
81) Dibenz(a,h)anthracene	22.79	278	814451	9.81	ug/mL#	97
82) Benzo(g,h,i)perylene	23.42	276	788996	9.60	ug/mL#	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21370.D
Acq On : 3 Jun 2004 1:03 pm
Sample : 10 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:48 19104

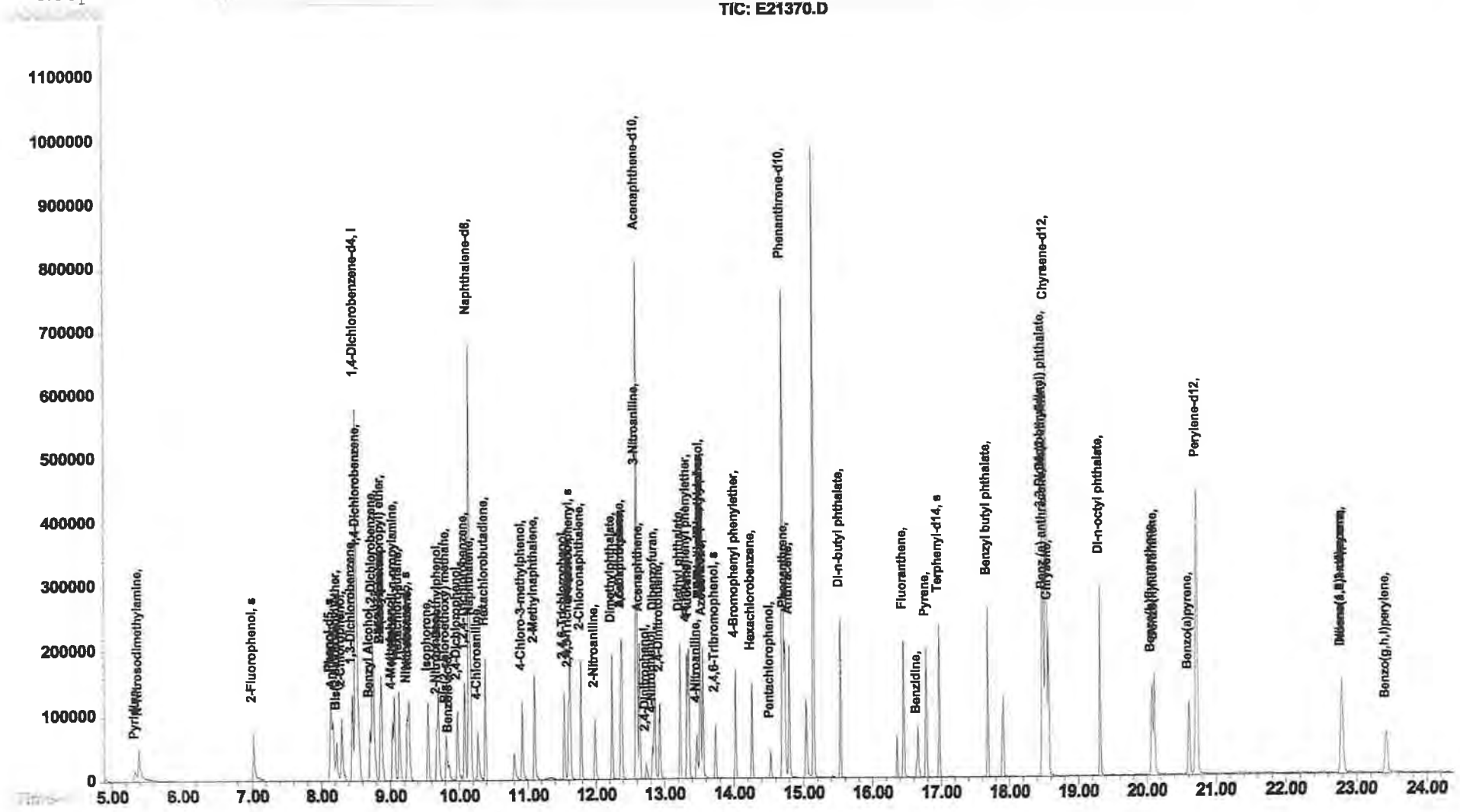
Vial: 9
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration

000175

TIC: E21370.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21371.D Vial: 10
Acq On : 3 Jun 2004 1:40 pm Operator: SW
Sample : 20 ppm BNA CAL STD Inst : GCMS BNA
Misc : QBSV2060304A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jun 4 11:42 19104 Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	1275067	40.00	ug/mL	-0.11
21) Naphthalene-d8	10.15	136	3599294	40.00	ug/mL	-0.12
35) Acenaphthene-d10	12.60	164	2259685	40.00	ug/mL	-0.13
57) Phenanthrene-d10	14.71	188	3795383	40.00	ug/mL	-0.13
74) Chyrsene-d12	18.54	240	3914513	40.00	ug/mL	-0.14
83) Perylene-d12	20.73	264	3395054	40.00	ug/mL	-0.18
System Monitoring Compounds						
4) 2-Fluorophenol	7.02	112	618021m	27.32	ug/mL	-0.12
Spiked Amount 200.000	Range 15 - 87		Recovery = 13.66%#			
5) Phenol-d5	8.13	99	601314	19.23	ug/mL	-0.12
Spiked Amount 200.000	Range 10 - 100		Recovery = 9.62%#			
19) Nitrobenzene-d5	9.25	82	961189	20.26	ug/mL	-0.12
Spiked Amount 100.000	Range 26 - 120		Recovery = 20.26%#			
38) 2-Fluorobiphenyl	11.62	172	1833081	23.44	ug/mL	-0.13
Spiked Amount 100.000	Range 29 - 120		Recovery = 23.44%#			
59) 2,4,6-Tribromophenol	13.74	330	249406	18.82	ug/mL	-0.13
Spiked Amount 200.000	Range 35 - 126		Recovery = 9.41%#			
69) Terphenyl-d14	16.98	244	1849688	21.57	ug/mL	-0.14
Spiked Amount 100.000	Range 35 - 127		Recovery = 21.57%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.38	74	223581	24.52	ug/mL#	26
3) Pyridine	5.31	79	313451m	21.61	ug/mL	
6) Aniline	8.17	93	659514	24.44	ug/mL#	95
7) Phenol	8.15	94	717111m	23.65	ug/mL	
8) Bis(2-chloroethyl)ether	8.23	93	618650	23.25	ug/mL	86
9) 2-Chlorophenol	8.30	128	794113	24.70	ug/mL	88
10) 1,3-Dichlorobenzene	8.45	146	927273	23.19	ug/mL	98
11) 1,4-Dichlorobenzene	8.52	146	1121211	23.61	ug/mL	99
12) Benzyl Alcohol	8.71	108	389433	22.35	ug/mL	81
13) 1,2-Dichlorobenzene	8.76	146	993907	23.41	ug/mL	97
14) 2-Methylphenol	8.86	107	461726	19.65	ug/mL	93
15) Bis(2-chloroisopropyl) eth	8.87	45	661007	18.78	ug/mL	96
16) N-Nitroso-di-n-propylamine	9.07	70	507152	18.79	ug/mL	90
17) 4-Methylphenol	9.04	107	681908	20.86	ug/mL	91
18) Hexachloroethane	9.13	117	427887	21.09	ug/mL	95
20) Nitrobenzene	9.27	77	956288	20.65	ug/mL	91
22) Isophorone	9.56	82	1390922	22.50	ug/mL	97
23) 2-Nitrophenol	9.68	139	460943	23.89	ug/mL	89
24) 2,4-Dimethylphenol	9.71	122	531408	23.53	ug/mL	98
25) Bis(2-chloroethoxy) methan	9.82	93	579299	22.04	ug/mL#	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21371.D
Acq On : 3 Jun 2004 1:40 pm
Sample : 20 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:42 19104

Vial: 10
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Benzoic acid	9.89	105	355288m	22.96 ug/mL	
27) 2,4-Dichlorophenol	9.98	162	751375	22.63 ug/mL	91
28) 1,2,4-Trichlorobenzene	10.09	180	924792	22.71 ug/mL	99
29) Naphthalene	10.18	128	1917090	23.68 ug/mL	98
30) 4-Chloroaniline	10.28	127	767988	24.08 ug/mL#	87
31) Hexachlorobutadiene	10.38	225	565040	20.94 ug/mL	95
32) 4-Chloro-3-methylphenol	10.92	107	670550	21.01 ug/mL	97
33) 2-Methylnaphthalene	11.10	142	1366360	21.99 ug/mL	95
34) Hexachlorocyclopentadiene	11.39	237	99080m	4.68 ug/mL	
36) 2,4,6-Trichlorophenol	11.54	196	552162	20.67 ug/mL	97
37) 2,4,5-Trichlorophenol	11.60	196	594644	19.01 ug/mL	91
39) 2-Chloronaphthalene	11.78	162	1505585	23.82 ug/mL	99
40) 2-Nitroaniline	11.99	138	485554	22.72 ug/mL	90
41) Dimethylphthalate	12.25	163	1908942	20.88 ug/mL	99
42) 2,6-Dinitrotoluene	12.37	165	448730	21.50 ug/mL	87
43) Acenaphthylene	12.38	152	2193077	23.36 ug/mL	97
44) 3-Nitroaniline	12.58	138	328399m	20.31 ug/mL	
45) Acenaphthene	12.64	154	1244121	22.55 ug/mL	98
46) 2,4-Dinitrophenol	12.73	184	226095m	18.83 ug/mL	
47) Dibenzofuran	12.86	168	2136459	23.17 ug/mL	90
48) 2,4-Dinitrotoluene	12.94	165	607839	21.11 ug/mL	96
49) 4-Nitrophenol	12.83	65	411031	16.08 ug/mL#	14
50) Diethyl phthalate	13.24	149	1929936	20.27 ug/mL	99
51) Fluorene	13.36	166	1585883	21.98 ug/mL	98
52) 4-Chlorophenyl phenylether	13.33	204	889544	20.44 ug/mL	97
53) 4-Nitroaniline	13.48	138	347502m	22.36 ug/mL	
54) 4,6-Dinitro-2-methylphenol	13.52	198	340743m	20.91 ug/mL	
55) Diphenylamine	13.52	169	1154350	20.36 ug/mL	98
56) N-Nitrosodiphenylamine	13.52	167	431147	21.26 ug/mL	94
58) Azobenzene	13.56	77	1977296m	22.32 ug/mL	
60) 4-Bromophenyl phenylether	14.03	248	531090	21.09 ug/mL	97
61) Hexachlorobenzene	14.26	142	256962	23.30 ug/mL	90
62) Pentachlorophenol	14.53	266	211322m	15.62 ug/mL	
63) Phenanthrene	14.74	178	2337558	24.40 ug/mL#	96
64) Anthracene	14.80	178	2222102	22.12 ug/mL#	96
65) Di-n-butyl phthalate	15.54	149	3174677	22.32 ug/mL	98
66) Fluoranthene	16.46	202	2682446	23.08 ug/mL	98
67) Benzidine	16.65	184	679112m	26.59 ug/mL	
68) Pyrene	16.79	202	2545050	22.39 ug/mL	99
70) Benzyl butyl phthalate	17.69	149	1455674	20.65 ug/mL	97
71) Bis(2-ethylhexyl) phthalat	18.48	149	1980240	18.20 ug/mL	98
72) Benz (a) anthracene	18.50	228	2542340	22.52 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21371.D
Acq On : 3 Jun 2004 1:40 pm
Sample : 20 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:42 19104

Vial: 10
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3-Dichlorobenzidine	18.47	252	884568m	23.11	ug/mL	
75) Chrysene	18.57	228	2370113	23.22	ug/mL#	97
76) Di-n-octyl phthalate	19.32	149	3341774	20.78	ug/mL	99
77) Benzo(b)fluoranthene	20.08	252	2385712m	19.83	ug/mL	
78) Benzo(k)fluoranthene	20.12	252	2500006m	29.11	ug/mL	
79) Benzo(a)pyrene	20.62	252	2301005	22.98	ug/mL#	98
80) Indeno(1,2,3-cd)pyrene	22.82	276	2427631	22.98	ug/mL	99
81) Dibenz(a,h)anthracene	22.81	278	1940035	22.47	ug/mL#	96
82) Benzo(g,h,i)perylene	23.44	276	1926175	22.55	ug/mL	99

(#) = qualifier out of range (m) = manual integration

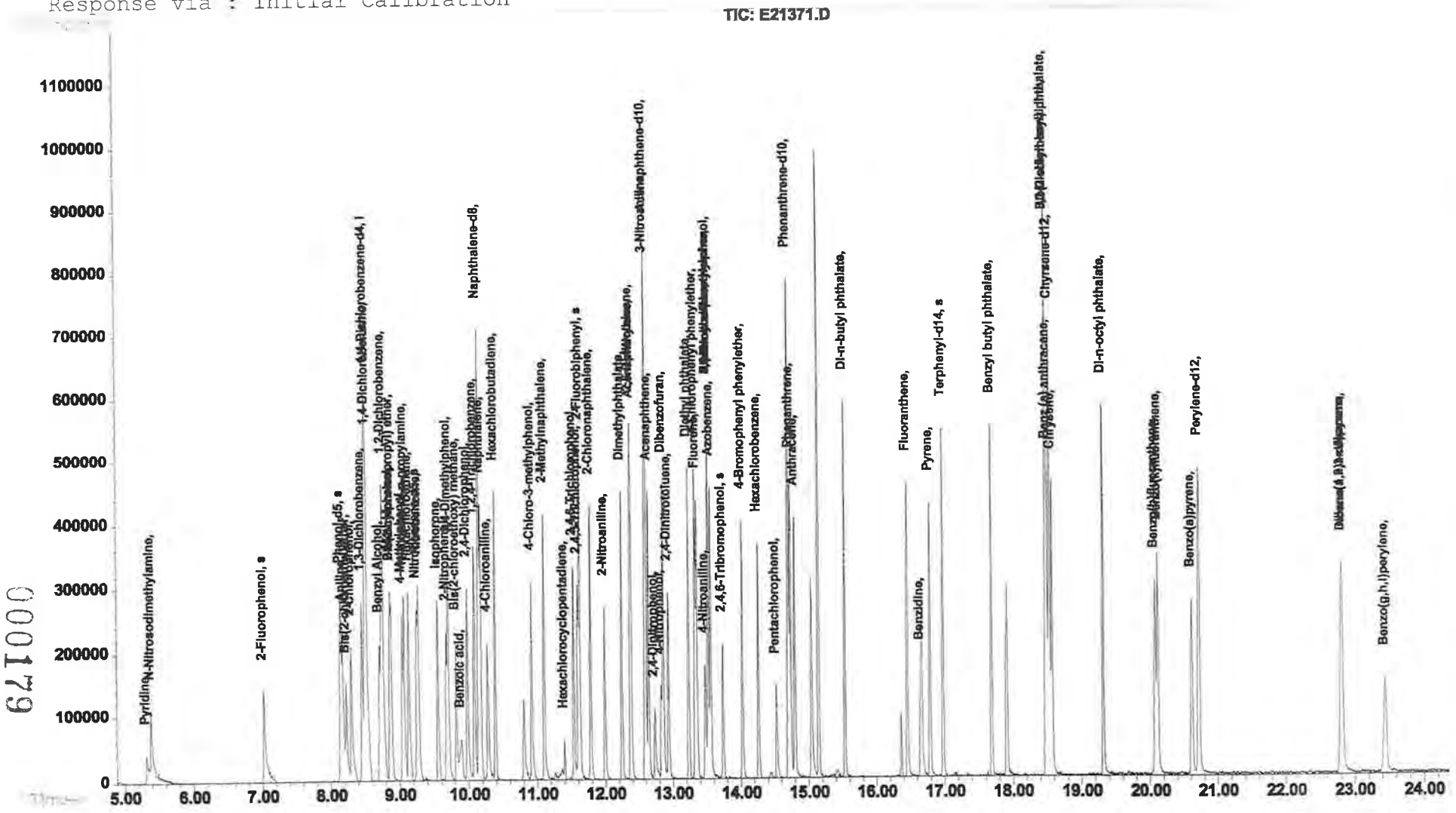
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21371.D
Acq On : 3 Jun 2004 1:40 pm
Sample : 20 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:42 19104

Vial: 10
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21372.D
Acq On : 3 Jun 2004 2:18 pm
Sample : 50 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:50 19104

Vial: 11
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	1334592	40.00	ug/mL	-0.11
21) Naphthalene-d8	10.15	136	3631162	40.00	ug/mL	-0.12
35) Acenaphthene-d10	12.60	164	2246942	40.00	ug/mL	-0.13
57) Phenanthrene-d10	14.71	188	3809781	40.00	ug/mL	-0.12
74) Chyrsene-d12	18.55	240	3999834	40.00	ug/mL	-0.13
83) Perylene-d12	20.74	264	3343255	40.00	ug/mL	-0.18
System Monitoring Compounds						
4) 2-Fluorophenol	7.02	112	1448945m	61.20	ug/mL	-0.12
Spiked Amount 200.000	Range 15 - 87		Recovery = 30.60%			
5) Phenol-d5	8.15	99	1454034	44.43	ug/mL	-0.11
Spiked Amount 200.000	Range 10 - 100		Recovery = 22.22%			
19) Nitrobenzene-d5	9.26	82	2291540	46.14	ug/mL	-0.12
Spiked Amount 100.000	Range 26 - 120		Recovery = 46.14%			
38) 2-Fluorobiphenyl	11.63	172	4112869	52.88	ug/mL	-0.12
Spiked Amount 100.000	Range 29 - 120		Recovery = 52.88%			
59) 2,4,6-Tribromophenol	13.75	330	582497	43.78	ug/mL	-0.12
Spiked Amount 200.000	Range 35 - 126		Recovery = 21.89%#			
69) Terphenyl-d14	16.99	244	4401888	51.14	ug/mL	-0.13
Spiked Amount 100.000	Range 35 - 127		Recovery = 51.14%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.38	74	530313m	55.57	ug/mL	
3) Pyridine	5.31	79	853491m	56.21	ug/mL	
6) Aniline	8.18	93	1524793	53.99	ug/mL#	6
7) Phenol	8.16	94	1703037m	53.66	ug/mL	
8) Bis(2-chloroethyl)ether	8.23	93	1422167m	51.06	ug/mL	
9) 2-Chlorophenol	8.30	128	1792659	53.28	ug/mL	94
10) 1,3-Dichlorobenzene	8.46	146	2145306	51.26	ug/mL	97
11) 1,4-Dichlorobenzene	8.52	146	2599746	52.29	ug/mL	95
12) Benzyl Alcohol	8.72	108	885391	48.55	ug/mL	90
13) 1,2-Dichlorobenzene	8.76	146	2227780	50.14	ug/mL	97
14) 2-Methylphenol	8.87	107	1125243	45.74	ug/mL	90
15) Bis(2-chloroisopropyl) eth	8.87	45	1710700m	46.43	ug/mL	
16) N-Nitroso-di-n-propylamine	9.08	70	1205615	42.67	ug/mL	91
17) 4-Methylphenol	9.05	107	1553329	45.40	ug/mL	94
18) Hexachloroethane	9.13	117	1031533	48.57	ug/mL	97
20) Nitrobenzene	9.28	77	2228646	45.98	ug/mL	96
22) Isophorone	9.57	82	3221289	51.65	ug/mL	97
23) 2-Nitrophenol	9.69	139	1031479	52.99	ug/mL	84
24) 2,4-Dimethylphenol	9.72	122	1251668	54.94	ug/mL	98
25) Bis(2-chloroethoxy) methan	9.83	93	1378057	51.96	ug/mL	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21372.D
Acq On : 3 Jun 2004 2:18 pm
Sample : 50 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:50 19104

Vial: 11
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Benzoic acid	9.95	105	909554m	58.26 ug/mL	
27) 2,4-Dichlorophenol	9.99	162	1712289	51.12 ug/mL	95
28) 1,2,4-Trichlorobenzene	10.09	180	2112075	51.41 ug/mL	99
29) Naphthalene	10.18	128	4278226	52.39 ug/mL	98
30) 4-Chloroaniline	10.28	127	1798823	55.91 ug/mL	91
31) Hexachlorobutadiene	10.39	225	1299109	47.72 ug/mL	98
32) 4-Chloro-3-methylphenol	10.93	107	1571369	48.80 ug/mL	99
33) 2-Methylnaphthalene	11.11	142	3239294	51.67 ug/mL	96
34) Hexachlorocyclopentadiene	11.40	237	557148m	26.06 ug/mL	
36) 2,4,6-Trichlorophenol	11.54	196	1297206	48.84 ug/mL	98
37) 2,4,5-Trichlorophenol	11.60	196	1427498	45.90 ug/mL	95
39) 2-Chloronaphthalene	11.79	162	3299622	52.50 ug/mL	99
40) 2-Nitroaniline	12.00	138	1070823	50.40 ug/mL	93
41) Dimethylphthalate	12.26	163	4193036	46.11 ug/mL	99
42) 2,6-Dinitrotoluene	12.38	165	1034702	49.86 ug/mL	92
43) Acenaphthylene	12.39	152	4864010	52.10 ug/mL	98
44) 3-Nitroaniline	12.61	138	855797	53.21 ug/mL#	88
45) Acenaphthene	12.65	154	2797768	51.00 ug/mL	98
46) 2,4-Dinitrophenol	12.76	184	626895	52.50 ug/mL	87
47) Dibenzofuran	12.87	168	4804062	52.40 ug/mL#	87
48) 2,4-Dinitrotoluene	12.96	165	1429770	49.94 ug/mL	95
49) 4-Nitrophenol	12.85	65	1283360m	50.50 ug/mL	
50) Diethyl phthalate	13.25	149	4418375	46.67 ug/mL	99
51) Fluorene	13.37	166	3665114	51.10 ug/mL	98
52) 4-Chlorophenyl phenylether	13.34	204	2052843	47.43 ug/mL	96
53) 4-Nitroaniline	13.51	138	868653m	56.21 ug/mL	
54) 4,6-Dinitro-2-methylphenol	13.55	198	904053	55.79 ug/mL	95
55) Diphenylamine	13.54	169	2687168	47.67 ug/mL	98
56) N-Nitrosodiphenylamine	13.54	167	935215	46.39 ug/mL	96
58) Azobenzene	13.57	77	4749537	53.42 ug/mL	99
60) 4-Bromophenyl phenylether	14.04	248	1196208	47.33 ug/mL	100
61) Hexachlorobenzene	14.27	142	557495	50.36 ug/mL	98
62) Pentachlorophenol	14.54	266	635264	46.79 ug/mL	97
63) Phenanthrene	14.75	178	5071502	52.74 ug/mL	100
64) Anthracene	14.81	178	5303296	52.59 ug/mL	99
65) Di-n-butyl phthalate	15.54	149	7128803	49.94 ug/mL	98
66) Fluoranthene	16.46	202	6209932m	53.23 ug/mL	
67) Benzidine	16.65	184	1801178m	70.27 ug/mL	
68) Pyrene	16.80	202	5898701	51.71 ug/mL	99
70) Benzyl butyl phthalate	17.70	149	3472531	49.07 ug/mL	97
71) Bis(2-ethylhexyl) phthalat	18.49	149	5110520	46.79 ug/mL	99
72) Benz (a) anthracene	18.51	228	5790888	51.11 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21372.D Vial: 11
Acq On : 3 Jun 2004 2:18 pm Operator: SW
Sample : 50 ppm BNA CAL STD Inst : GCMS BNA
Misc : QBSV2060304A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jun 4 11:50 19104 Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
73)	3,3-Dichlorobenzidine	18.49	252	2358942	61.39 ug/mL	97
75)	Chrysene	18.59	228	5547727	53.19 ug/mL#	99
76)	Di-n-octyl phthalate	19.32	149	7864480	47.87 ug/mL	99
77)	Benzo(b)fluoranthene	20.09	252	6352570m	51.69 ug/mL	
78)	Benzo(k)fluoranthene	20.14	252	5504224m	62.73 ug/mL	
79)	Benzo(a)pyrene	20.64	252	4958091	48.46 ug/mL#	99
80)	Indeno(1,2,3-cd)pyrene	22.86	276	5517145	51.12 ug/mL#	90
81)	Dibenz(a,h)anthracene	22.85	278	4605225	52.21 ug/mL#	95
82)	Benzo(g,h,i)perylene	23.48	276	4364396	50.00 ug/mL#	98

(#) = qualifier out of range (m) = manual integration

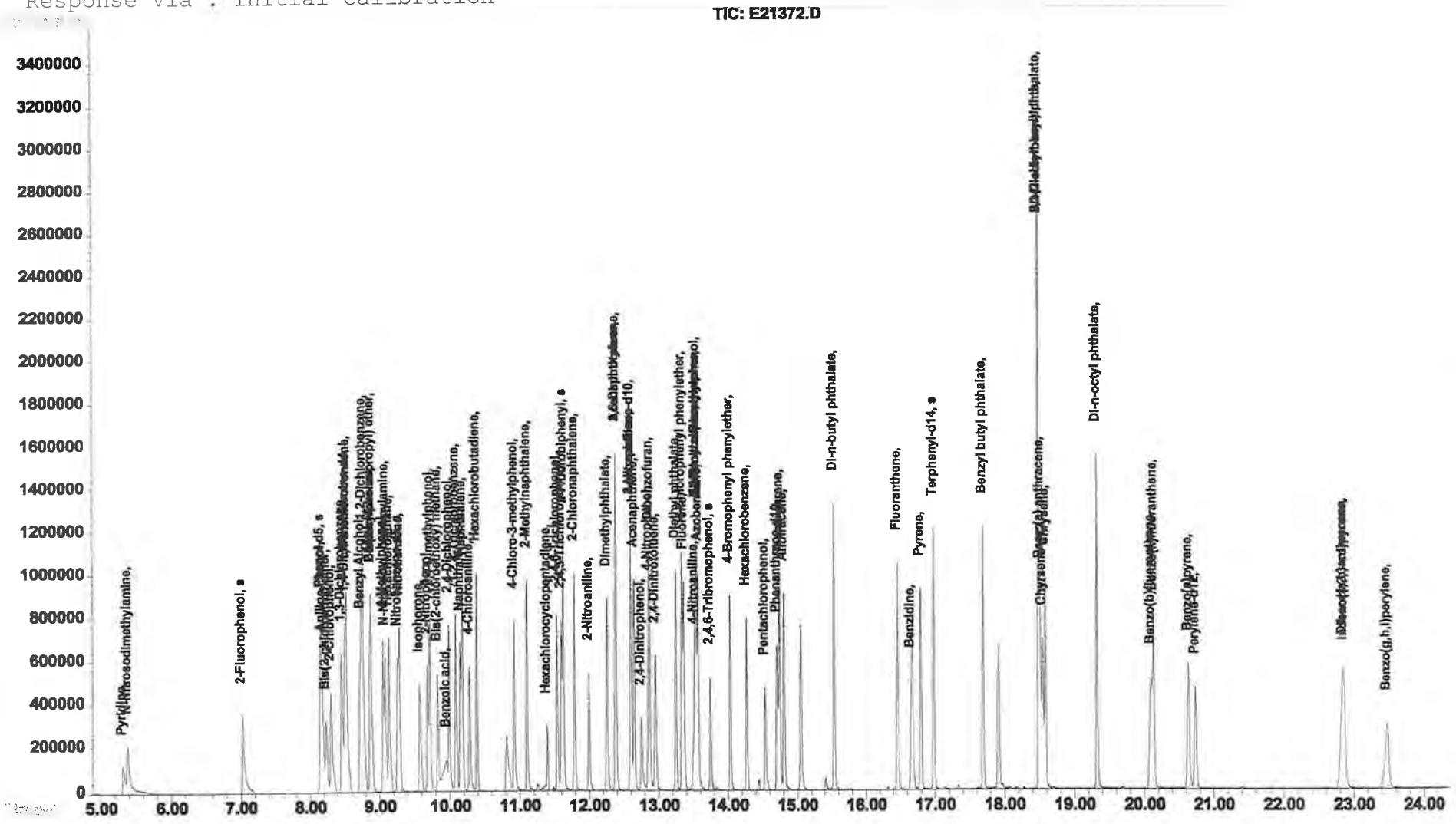
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21372.D
Acq On : 3 Jun 2004 2:18 pm
Sample : 50 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:50 19104

Vial: 11
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21373.D
Acq On : 3 Jun 2004 2:56 pm
Sample : 80 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104

Vial: 12
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	1199667	40.00	ug/mL	-0.11
21) Naphthalene-d8	10.16	136	3394506	40.00	ug/mL	-0.11
35) Acenaphthene-d10	12.60	164	2146393	40.00	ug/mL	-0.12
57) Phenanthrene-d10	14.72	188	3906997	40.00	ug/mL	-0.12
74) Chyrsene-d12	18.55	240	4067570	40.00	ug/mL	-0.12
83) Perylene-d12	20.74	264	3388639	40.00	ug/mL	-0.17
System Monitoring Compounds						
4) 2-Fluorophenol	7.03	112	2281717	107.21	ug/mL	-0.11
Spiked Amount 200.000	Range 15 - 87		Recovery = 53.60%			
5) Phenol-d5	8.16	99	2383876	81.03	ug/mL	-0.09
Spiked Amount 200.000	Range 10 - 100		Recovery = 40.52%			
19) Nitrobenzene-d5	9.26	82	3533895	79.16	ug/mL	-0.11
Spiked Amount 100.000	Range 26 - 120		Recovery = 79.16%			
38) 2-Fluorobiphenyl	11.64	172	6356286	85.56	ug/mL	-0.12
Spiked Amount 100.000	Range 29 - 120		Recovery = 85.56%			
59) 2,4,6-Tribromophenol	13.76	330	1041886	76.37	ug/mL	-0.12
Spiked Amount 200.000	Range 35 - 126		Recovery = 38.19%			
69) Terphenyl-d14	16.99	244	7410553	83.95	ug/mL	-0.12
Spiked Amount 100.000	Range 35 - 127		Recovery = 83.95%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.38	74	716907m	83.57	ug/mL	
3) Pyridine	5.31	79	1091413m	79.97	ug/mL	
6) Aniline	8.18	93	2669489m	105.15	ug/mL	
7) Phenol	8.17	94	2842585	99.63	ug/mL#	63
8) Bis(2-chloroethyl)ether	8.24	93	2179004	87.04	ug/mL	90
9) 2-Chlorophenol	8.31	128	2682033	88.68	ug/mL	95
10) 1,3-Dichlorobenzene	8.46	146	3263110	86.73	ug/mL	97
11) 1,4-Dichlorobenzene	8.53	146	3952846	88.45	ug/mL	97
12) Benzyl Alcohol	8.73	108	1404929	85.71	ug/mL	90
13) 1,2-Dichlorobenzene	8.76	146	3424526	85.74	ug/mL	98
14) 2-Methylphenol	8.87	107	1769173	80.00	ug/mL	89
15) Bis(2-chloroisopropyl) eth	8.88	45	2752523	83.10	ug/mL	88
16) N-Nitroso-di-n-propylamine	9.10	70	1944528	76.56	ug/mL	84
17) 4-Methylphenol	9.06	107	2438476	79.29	ug/mL	95
18) Hexachloroethane	9.13	117	1598098	83.71	ug/mL	97
20) Nitrobenzene	9.29	77	3501711	80.37	ug/mL	94
22) Isophorone	9.58	82	4807909	82.46	ug/mL	99
23) 2-Nitrophenol	9.69	139	1632731	89.72	ug/mL	86
24) 2,4-Dimethylphenol	9.73	122	1859616m	87.31	ug/mL	
25) Bis(2-chloroethoxy) methan	9.84	93	2128893	85.87	ug/mL	91

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\E21373.D
Acq On : 3 Jun 2004 2:56 pm
Sample : 80 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104

Vial: 12
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Benzoic acid	9.99	105	1528850m	104.76 ug/mL	
27) 2,4-Dichlorophenol	10.00	162	2599665	83.02 ug/mL	98
28) 1,2,4-Trichlorobenzene	10.09	180	3176551	82.71 ug/mL	99
29) Naphthalene	10.19	128	6769422	88.68 ug/mL	96
30) 4-Chloroaniline	10.29	127	2795685	92.96 ug/mL	93
31) Hexachlorobutadiene	10.39	225	2036076	80.00 ug/mL	98
32) 4-Chloro-3-methylphenol	10.93	107	2507767	83.31 ug/mL	100
33) 2-Methylnaphthalene	11.11	142	5028770	85.80 ug/mL	96
34) Hexachlorocyclopentadiene	11.40	237	917577	45.92 ug/mL	98
36) 2,4,6-Trichlorophenol	11.55	196	2022750	79.72 ug/mL	99
37) 2,4,5-Trichlorophenol	11.61	196	2312225	77.83 ug/mL	94
39) 2-Chloronaphthalene	11.80	162	5335044	88.85 ug/mL	99
40) 2-Nitroaniline	12.01	138	1768252	87.12 ug/mL	93
41) Dimethylphthalate	12.28	163	6701202	77.15 ug/mL	99
42) 2,6-Dinitrotoluene	12.40	165	1728150	87.18 ug/mL	91
43) Acenaphthylene	12.40	152	7657313	85.87 ug/mL	99
44) 3-Nitroaniline	12.63	138	1397989	91.00 ug/mL#	89
45) Acenaphthene	12.66	154	4579403	87.38 ug/mL	98
46) 2,4-Dinitrophenol	12.77	184	1121940	98.36 ug/mL	92
47) Dibenzofuran	12.88	168	7751612	88.50 ug/mL#	88
48) 2,4-Dinitrotoluene	12.98	165	2242383	82.00 ug/mL	98
49) 4-Nitrophenol	12.87	65	1925771	79.33 ug/mL#	26
50) Diethyl phthalate	13.27	149	6973051	77.11 ug/mL	98
51) Fluorene	13.37	166	5867649	85.63 ug/mL	99
52) 4-Chlorophenyl phenylether	13.35	204	3184209	77.01 ug/mL	98
53) 4-Nitroaniline	13.55	138	1438837	97.46 ug/mL#	61
54) 4,6-Dinitro-2-methylphenol	13.57	198	1494070	96.51 ug/mL#	68
55) Diphenylamine	13.55	169	4380855	81.35 ug/mL	100
56) N-Nitrosodiphenylamine	13.55	167	1569095	81.48 ug/mL	99
58) Azobenzene	13.58	77	8187317	89.79 ug/mL#	67
60) 4-Bromophenyl phenylether	14.04	248	1949862	75.23 ug/mL	96
61) Hexachlorobenzene	14.28	142	952647	83.91 ug/mL	98
62) Pentachlorophenol	14.55	266	1147367	82.41 ug/mL	95
63) Phenanthrene	14.76	178	8480352	85.99 ug/mL	99
64) Anthracene	14.82	178	8987375	86.91 ug/mL#	100
65) Di-n-butyl phthalate	15.55	149	11514801	78.65 ug/mL	98
66) Fluoranthene	16.48	202	10210937	85.34 ug/mL	96
67) Benzidine	16.67	184	3200465m	121.75 ug/mL	
68) Pyrene	16.81	202	9722811	83.11 ug/mL	100
70) Benzyl butyl phthalate	17.70	149	5443518	75.01 ug/mL	99
71) Bis(2-ethylhexyl) phthalat	18.50	149	8936582	79.79 ug/mL	99
72) Benz (a) anthracene	18.52	228	9740653	83.83 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21373.D
Acq On : 3 Jun 2004 2:56 pm
Sample : 80 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104

Vial: 12
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3-Dichlorobenzidine	18.50	252	4387590	111.34	ug/mL	96
75) Chrysene	18.60	228	9100417	85.79	ug/mL#	99
76) Di-n-octyl phthalate	19.33	149	13027699	77.97	ug/mL	100
77) Benzo(b)fluoranthene	20.12	252	12942688m	103.55	ug/mL	
78) Benzo(k)fluoranthene	20.16	252	8309723m	93.13	ug/mL	
79) Benzo(a)pyrene	20.66	252	8466694	81.37	ug/mL	99
80) Indeno(1,2,3-cd)pyrene	22.90	276	9160276	83.46	ug/mL#	78
81) Dibenz(a,h)anthracene	22.88	278	7633453	85.10	ug/mL#	98
82) Benzo(g,h,i)perylene	23.51	276	7108075	80.08	ug/mL	98

(#) = qualifier out of range (m) = manual integration

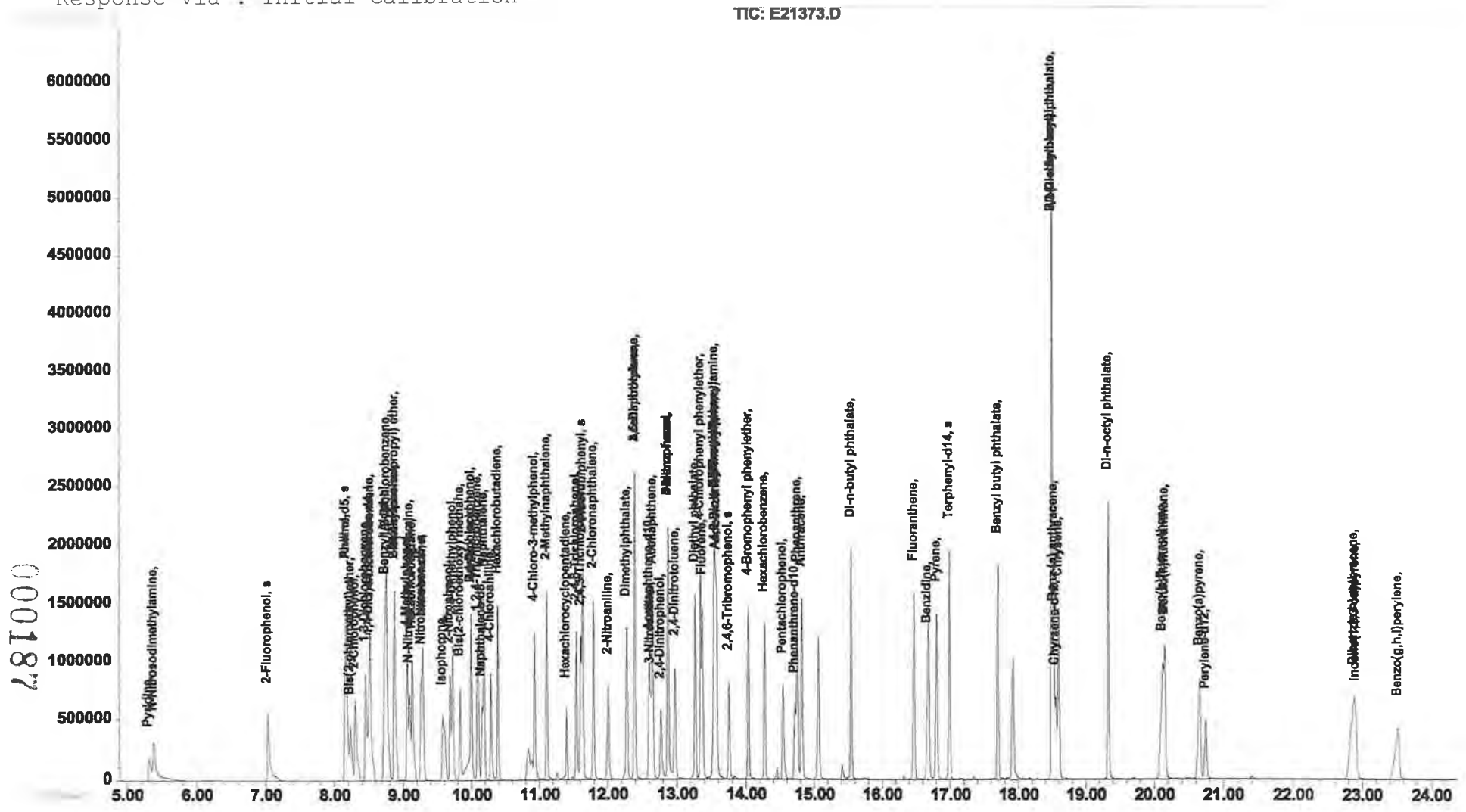
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21373.D
Acq On : 3 Jun 2004 2:56 pm
Sample : 80 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104

Vial: 12
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21374.D Vial: 13
Acq On : 3 Jun 2004 3:34 pm Operator: SW
Sample : 100 ppm BNA CAL STD Inst : GCMS BNA
Misc : QBSV2060304A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104 Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	1155358	40.00	ug/mL	-0.11
21) Naphthalene-d8	10.16	136	3351309	40.00	ug/mL	-0.11
35) Acenaphthene-d10	12.61	164	2183648	40.00	ug/mL	-0.12
57) Phenanthrene-d10	14.73	188	3798487	40.00	ug/mL	-0.11
74) Chyrsene-d12	18.56	240	4070971	40.00	ug/mL	-0.12
83) Perylene-d12	20.75	264	3382684	40.00	ug/mL	-0.16
System Monitoring Compounds						
4) 2-Fluorophenol	7.03	112	2627104m	128.17	ug/mL	-0.11
Spiked Amount 200.000	Range 15 - 87		Recovery = 64.08%			
5) Phenol-d5	8.16	99	2827520	99.79	ug/mL	-0.09
Spiked Amount 200.000	Range 10 - 100		Recovery = 49.90%			
19) Nitrobenzene-d5	9.27	82	4377445	101.81	ug/mL	-0.10
Spiked Amount 100.000	Range 26 - 120		Recovery = 101.81%			
38) 2-Fluorobiphenyl	11.64	172	8089811	107.04	ug/mL	-0.11
Spiked Amount 100.000	Range 29 - 120		Recovery = 107.04%			
59) 2,4,6-Tribromophenol	13.76	330	1416252	106.77	ug/mL	-0.11
Spiked Amount 200.000	Range 35 - 126		Recovery = 53.38%			
69) Terphenyl-d14	17.00	244	9560374	111.40	ug/mL	-0.11
Spiked Amount 100.000	Range 35 - 127		Recovery = 111.40%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.37	74	990838m	119.93	ug/mL	
3) Pyridine	5.30	79	1533123m	116.64	ug/mL	
6) Aniline	8.18	93	2989251	122.26	ug/mL#	5
7) Phenol	8.18	94	3515776	127.95	ug/mL#	60
8) Bis(2-chloroethyl)ether	8.24	93	2786896m	115.59	ug/mL	
9) 2-Chlorophenol	8.31	128	3163009	108.59	ug/mL	97
10) 1,3-Dichlorobenzene	8.46	146	3760813	103.79	ug/mL	97
11) 1,4-Dichlorobenzene	8.53	146	4543590	105.57	ug/mL	97
12) Benzyl Alcohol	8.74	108	1801552	114.12	ug/mL	86
13) 1,2-Dichlorobenzene	8.77	146	4023280	104.60	ug/mL	97
14) 2-Methylphenol	8.88	107	2171487	101.96	ug/mL	89
15) Bis(2-chloroisopropyl) eth	8.88	45	3542790	111.06	ug/mL#	84
16) N-Nitroso-di-n-propylamine	9.11	70	2464694	100.76	ug/mL	85
17) 4-Methylphenol	9.07	107	2931954	99.00	ug/mL	93
18) Hexachloroethane	9.14	117	1856945	100.99	ug/mL	98
20) Nitrobenzene	9.29	77	4388616	104.60	ug/mL	92
22) Isophorone	9.59	82	5917868	102.81	ug/mL#	92
23) 2-Nitrophenol	9.69	139	1968640	109.57	ug/mL	86
24) 2,4-Dimethylphenol	9.73	122	2406310	114.44	ug/mL	97
25) Bis(2-chloroethoxy) methan	9.84	93	2706693	110.59	ug/mL	92

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\E21374.D
Acq On : 3 Jun 2004 3:34 pm
Sample : 100 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104

Vial: 13
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Benzoic acid	10.00	105	2031519m	141.00 ug/mL	
27) 2,4-Dichlorophenol	10.00	162	3313124	107.16 ug/mL	96
28) 1,2,4-Trichlorobenzene	10.09	180	3909274	103.10 ug/mL	99
29) Naphthalene	10.19	128	8486137	112.60 ug/mL	97
30) 4-Chloroaniline	10.29	127	3446293	116.07 ug/mL	96
31) Hexachlorobutadiene	10.39	225	2515553	100.12 ug/mL	98
32) 4-Chloro-3-methylphenol	10.94	107	3094476	104.12 ug/mL	96
33) 2-Methylnaphthalene	11.11	142	6406011	110.70 ug/mL	94
34) Hexachlorocyclopentadiene	11.40	237	1404400	71.18 ug/mL	98
36) 2,4,6-Trichlorophenol	11.55	196	2545436	98.61 ug/mL	98
37) 2,4,5-Trichlorophenol	11.62	196	2856267	94.50 ug/mL	95
39) 2-Chloronaphthalene	11.80	162	6604105	108.11 ug/mL	98
40) 2-Nitroaniline	12.02	138	2202769	106.67 ug/mL	94
41) Dimethylphthalate	12.29	163	8670674m	98.12 ug/mL	
42) 2,6-Dinitrotoluene	12.40	165	2256242	111.88 ug/mL	92
43) Acenaphthylene	12.40	152	9854572	108.62 ug/mL	97
44) 3-Nitroaniline	12.64	138	1831817m	117.21 ug/mL	
45) Acenaphthene	12.66	154	5776043	108.34 ug/mL	98
46) 2,4-Dinitrophenol	12.79	184	1472442	126.88 ug/mL	92
47) Dibenzofuran	12.88	168	9575733	107.46 ug/mL#	84
48) 2,4-Dinitrotoluene	12.99	165	2930505m	105.33 ug/mL	
49) 4-Nitrophenol	12.89	65	2911462m	117.90 ug/mL	
50) Diethyl phthalate	13.28	149	9289360m	100.97 ug/mL	
51) Fluorene	13.38	166	7401567	106.18 ug/mL	100
52) 4-Chlorophenyl phenylether	13.35	204	4165637	99.03 ug/mL	97
53) 4-Nitroaniline	13.56	138	1922207	127.98 ug/mL#	60
54) 4,6-Dinitro-2-methylphenol	13.58	198	2159038m	137.09 ug/mL	
55) Diphenylamine	13.55	169	5715060	104.32 ug/mL	99
56) N-Nitrosodiphenylamine	13.55	167	2004193	102.29 ug/mL	96
58) Azobenzene	13.58	77	11203089	126.37 ug/mL#	72
60) 4-Bromophenyl phenylether	14.05	248	2544323	100.98 ug/mL	98
61) Hexachlorobenzene	14.28	142	1184428	107.31 ug/mL	96
62) Pentachlorophenol	14.55	266	1682676	124.31 ug/mL	93
63) Phenanthrene	14.77	178	10937691	114.07 ug/mL#	98
64) Anthracene	14.83	178	11105801	110.46 ug/mL#	98
65) Di-n-butyl phthalate	15.55	149	15152039	106.45 ug/mL	98
66) Fluoranthene	16.48	202	12744375	109.56 ug/mL	99
67) Benzidine	16.68	184	3986345	155.98 ug/mL#	99
68) Pyrene	16.82	202	12195853	107.22 ug/mL	99
70) Benzyl butyl phthalate	17.71	149	7103489	100.68 ug/mL	98
71) Bis(2-ethylhexyl) phthalat	18.50	149	11963729	109.87 ug/mL	99
72) Benz (a) anthracene	18.53	228	12391775	109.70 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21374.D
Acq On : 3 Jun 2004 3:34 pm
Sample : 100 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104

Vial: 13
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3-Dichlorobenzidine	18.51	252	5623569	146.78	ug/mL	98
75) Chrysene	18.61	228	11343059	106.84	ug/mL#	98
76) Di-n-octyl phthalate	19.33	149	16852237	100.78	ug/mL	99
77) Benzo(b)fluoranthene	20.14	252	14963470	119.62	ug/mL	96
78) Benzo(k)fluoranthene	20.16	252	9414985m	105.43	ug/mL	
79) Benzo(a)pyrene	20.67	252	10457700	100.42	ug/mL#	99
80) Indeno(1,2,3-cd)pyrene	22.93	276	12004650	109.28	ug/mL#	91
81) Dibenz(a,h)anthracene	22.89	278	9981386	111.18	ug/mL#	97
82) Benzo(g,h,i)perylene	23.54	276	9374494	105.53	ug/mL	98

(#) = qualifier out of range (m) = manual integration

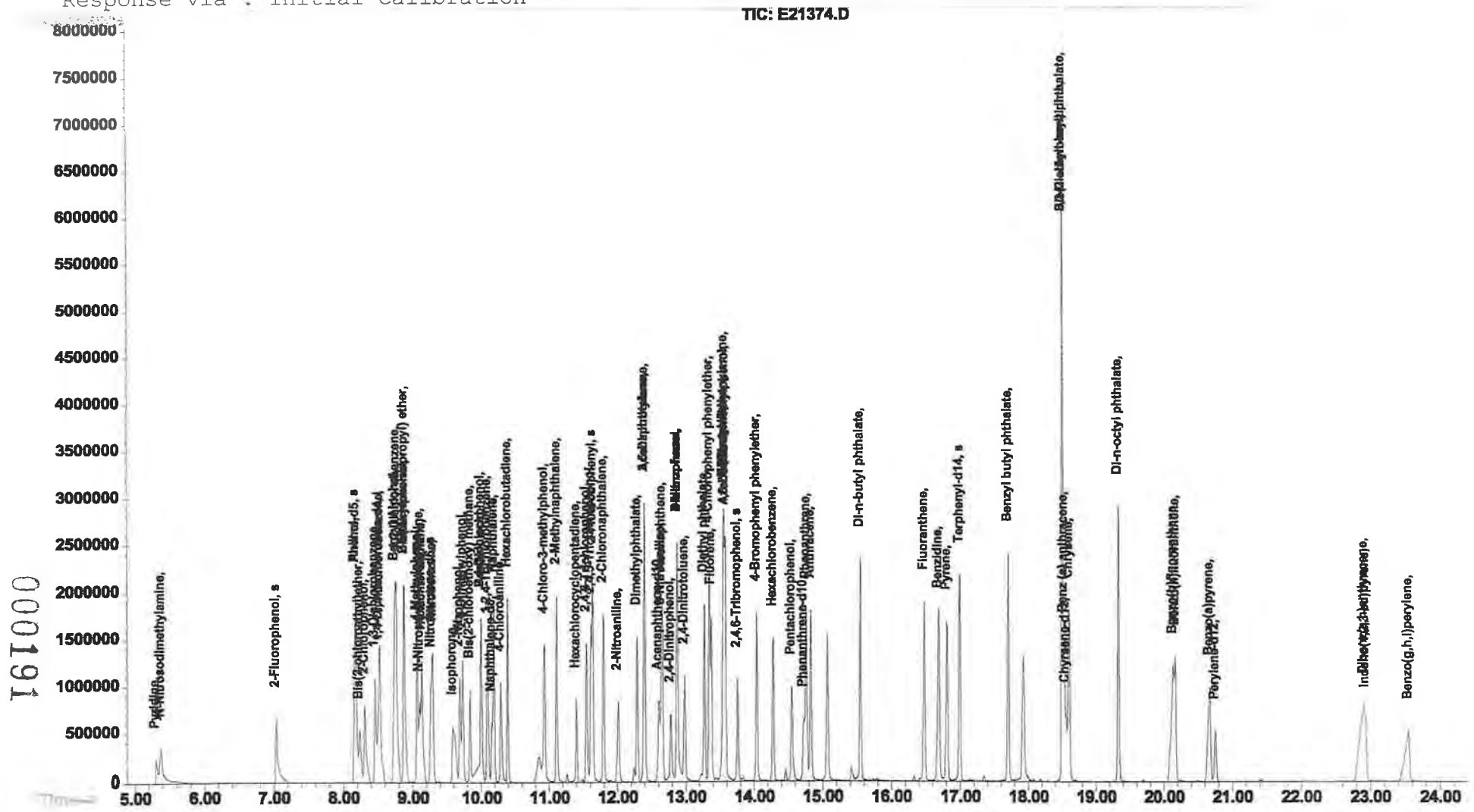
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21374.D
Acq On : 3 Jun 2004 3:34 pm
Sample : 100 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:51 19104

Vial: 13
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration



00019I

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21375.D
Acq On : 3 Jun 2004 4:12 pm
Sample : 120 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:52 19104

Vial: 14
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.51	152	1282777	40.00	ug/mL	-0.11
21) Naphthalene-d8	10.16	136	3729092	40.00	ug/mL	-0.11
35) Acenaphthene-d10	12.61	164	2322939	40.00	ug/mL	-0.12
57) Phenanthrene-d10	14.73	188	4081641	40.00	ug/mL	-0.11
74) Chyrsene-d12	18.57	240	4464733	40.00	ug/mL	-0.11
83) Perylene-d12	20.76	264	3731309	40.00	ug/mL	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	7.04	112	3422225	150.38	ug/mL	-0.10
Spiked Amount 200.000	Range 15 - 87		Recovery = 75.19%			
5) Phenol-d5	8.18	99	4129477	131.27	ug/mL	-0.08
Spiked Amount 200.000	Range 10 - 100		Recovery = 65.64%			
19) Nitrobenzene-d5	9.27	82	5742601	120.30	ug/mL	-0.10
Spiked Amount 100.000	Range 26 - 120		Recovery = 120.30%#			
38) 2-Fluorobiphenyl	11.64	172	10111753	125.77	ug/mL	-0.11
Spiked Amount 100.000	Range 29 - 120		Recovery = 125.77%#			
59) 2,4,6-Tribromophenol	13.77	330	1665747	116.87	ug/mL	-0.10
Spiked Amount 200.000	Range 35 - 126		Recovery = 58.44%			
69) Terphenyl-d14	17.01	244	11688356	126.74	ug/mL	-0.11
Spiked Amount 100.000	Range 35 - 127		Recovery = 126.74%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.39	74	1147571	125.10	ug/mL#	52
3) Pyridine	5.30	79	2137939m	146.50	ug/mL	
6) Aniline	8.19	93	4769738	175.71	ug/mL#	19
7) Phenol	8.19	94	5219275	171.08	ug/mL#	56
8) Bis(2-chloroethyl)ether	8.24	93	3655661	136.56	ug/mL	88
9) 2-Chlorophenol	8.32	128	4222879	130.58	ug/mL	97
10) 1,3-Dichlorobenzene	8.46	146	4914351	122.16	ug/mL	99
11) 1,4-Dichlorobenzene	8.53	146	5962284	124.77	ug/mL	98
12) Benzyl Alcohol	8.75	108	2576963	147.02	ug/mL	83
13) 1,2-Dichlorobenzene	8.77	146	5478716	128.29	ug/mL	96
14) 2-Methylphenol	8.88	107	3168098	133.98	ug/mL	85
15) Bis(2-chloroisopropyl) eth	8.88	45	5506554	155.48	ug/mL#	75
16) N-Nitroso-di-n-propylamine	9.13	70	3599756	132.55	ug/mL	82
17) 4-Methylphenol	9.08	107	4038299	122.81	ug/mL	93
18) Hexachloroethane	9.14	117	2621361	128.41	ug/mL	98
20) Nitrobenzene	9.30	77	5713642	122.65	ug/mL	94
22) Isophorone	9.60	82	7769813m	121.31	ug/mL	
23) 2-Nitrophenol	9.70	139	2667105	133.41	ug/mL	83
24) 2,4-Dimethylphenol	9.74	122	3132842	133.89	ug/mL	98
25) Bis(2-chloroethoxy) methan	9.85	93	3525535	129.45	ug/mL	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21375.D
Acq On : 3 Jun 2004 4:12 pm
Sample : 120 ppm BNA CAL STD
Misc : QBSV2060304A
MS Integration Params: events.e
Quant Time: Jun 4 11:52 19104

Vial: 14
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Benzoic acid	10.02	105	2150313	134.12 ug/mL#	13
27) 2,4-Dichlorophenol	10.01	162	4178741	121.47 ug/mL	99
28) 1,2,4-Trichlorobenzene	10.10	180	5033816	119.31 ug/mL	98
29) Naphthalene	10.20	128	11212811	133.70 ug/mL	97
30) 4-Chloroaniline	10.30	127	4426074	133.96 ug/mL	93
31) Hexachlorobutadiene	10.40	225	3237081	115.78 ug/mL	100
32) 4-Chloro-3-methylphenol	10.94	107	3998048	120.90 ug/mL	100
33) 2-Methylnaphthalene	11.12	142	8186424	127.14 ug/mL	95
34) Hexachlorocyclopentadiene	11.41	237	1992534	90.76 ug/mL	99
36) 2,4,6-Trichlorophenol	11.56	196	3200114	116.54 ug/mL	99
37) 2,4,5-Trichlorophenol	11.62	196	3513794	109.28 ug/mL	96
39) 2-Chloronaphthalene	11.81	162	8165307	125.66 ug/mL	99
40) 2-Nitroaniline	12.03	138	2639664	120.17 ug/mL	95
41) Dimethylphthalate	12.30	163	10282001m	109.38 ug/mL	
42) 2,6-Dinitrotoluene	12.42	165	2634570	122.81 ug/mL	94
43) Acenaphthylene	12.40	152	12182471	126.23 ug/mL	98
44) 3-Nitroaniline	12.65	138	2311455m	139.03 ug/mL	
45) Acenaphthene	12.66	154	7276993	128.30 ug/mL	97
46) 2,4-Dinitrophenol	12.80	184	1774173	143.72 ug/mL	92
47) Dibenzofuran	12.89	168	11809808	124.59 ug/mL#	86
48) 2,4-Dinitrotoluene	13.00	165	3502868m	118.36 ug/mL	
49) 4-Nitrophenol	12.89	65	2980398m	113.45 ug/mL	
50) Diethyl phthalate	13.29	149	10726643m	109.60 ug/mL	
51) Fluorene	13.38	166	9113266	122.89 ug/mL	99
52) 4-Chlorophenyl phenylether	13.35	204	5089431	113.74 ug/mL	94
53) 4-Nitroaniline	13.58	138	2462537	154.12 ug/mL#	57
54) 4,6-Dinitro-2-methylphenol	13.59	198	2604376m	155.45 ug/mL	
55) Diphenylamine	13.56	169	6849103	117.52 ug/mL	96
56) N-Nitrosodiphenylamine	13.56	167	2401920	115.24 ug/mL	95
58) Azobenzene	13.59	77	14405553	151.22 ug/mL#	74
60) 4-Bromophenyl phenylether	14.05	248	3104038	114.64 ug/mL	97
61) Hexachlorobenzene	14.29	142	1420160	119.74 ug/mL	98
62) Pentachlorophenol	14.56	266	2071331	142.40 ug/mL	95
63) Phenanthrene	14.77	178	13110906	127.25 ug/mL#	98
64) Anthracene	14.84	178	13386687	123.91 ug/mL#	98
65) Di-n-butyl phthalate	15.56	149	17690841	115.67 ug/mL	98
66) Fluoranthene	16.49	202	15394351	123.16 ug/mL	99
67) Benzidine	16.69	184	5089743	185.34 ug/mL#	96
68) Pyrene	16.82	202	15082063	123.40 ug/mL	99
70) Benzyl butyl phthalate	17.71	149	8785325	115.88 ug/mL	98
71) Bis(2-ethylhexyl) phthalat	18.51	149	14503604	123.95 ug/mL	99
72) Benz (a) anthracene	18.54	228	15834697	130.45 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21375.D Vial: 14
Acq On : 3 Jun 2004 4:12 pm Operator: SW
Sample : 120 ppm BNA CAL STD Inst : GCMS BNA
Misc : QBSV2060304A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jun 4 11:52 19104 Quant Results File: BNA2M02.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M02.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Tue May 18 08:49:00 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M02

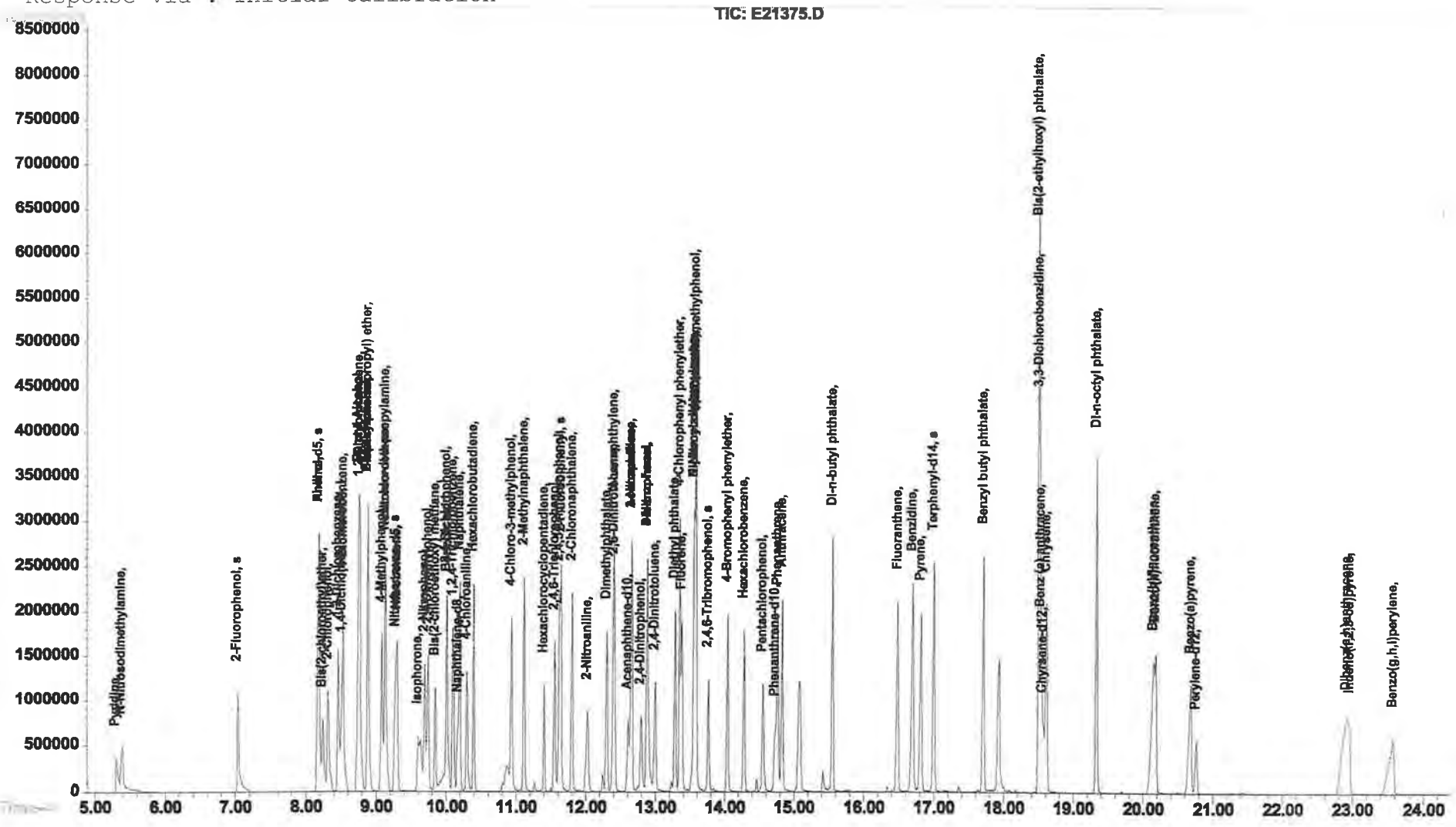
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73)	3,3-Dichlorobenzidine	18.52	252	7105733	172.60	ug/mL#	97
75)	Chrysene	18.62	228	14360940	123.34	ug/mL#	98
76)	Di-n-octyl phthalate	19.34	149	21071880	114.90	ug/mL	100
77)	Benzo(b)fluoranthene	20.15	252	19338090	140.95	ug/mL	97
78)	Benzo(k)fluoranthene	20.18	252	11839557m	120.88	ug/mL	
79)	Benzo(a)pyrene	20.68	252	13505975	118.25	ug/mL#	99
80)	Indeno(1,2,3-cd)pyrene	22.95	276	15331149	127.25	ug/mL#	98
81)	Dibenz(a,h)anthracene	22.90	278	12587831	127.85	ug/mL#	98
82)	Benzo(g,h,i)perylene	23.57	276	11959538	122.75	ug/mL#	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21375.D Vial: 14
Acq On : 3 Jun 2004 4:12 pm Operator: SW
Sample : 120 ppm BNA CAL STD Inst : GCMS BNA
Misc : QBSV2060304A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jun 4 11:52 19104 Quant Results File: BNA2M02.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E21465.D Vial: 1
Acq On : 7 Jun 2004 3:22 pm Operator: SW
Sample : 50 ppm BNA CAL CHECK STD Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	-0.04
2	t	N-Nitrosodimethylamine	0.317	0.344	-8.5	106	-0.05
3	t	Pyridine	0.498	0.497	0.2	95	-0.06
4	s	2-Fluorophenol	0.923	1.054	-14.2	119	-0.05
5	s	Phenol-d5	0.959	1.065	-11.1	120	-0.04
6	t	Aniline	1.032	1.194	-15.7	128	-0.05
7	c,m	Phenol	1.148	1.277	-11.2#	122	-0.04
8	t	Bis(2-chloroethyl)ether	0.918	0.992	-8.1	114	-0.04
9	m	2-Chlorophenol	1.114	1.300	-16.7	118	-0.05
10	t	1,3-Dichlorobenzene	1.341	1.542	-15.0	117	-0.05
11	c,m	1,4-Dichlorobenzene	1.622	1.804	-11.2#	113	-0.05
12	t	Benzyl Alcohol	0.595	0.616	-3.5	113	-0.05
13	t	1,2-Dichlorobenzene	1.421	1.573	-10.7	115	-0.05
14	t	2-Methylphenol	0.722	0.854	-18.3	124	-0.05
15	t	Bis(2-chloroisopropyl) ethe	1.128	1.255	-11.3	120	-0.05
16	p,m	N-Nitroso-di-n-propylamine	0.827	0.915	-10.6	124	-0.06
17	t	4-Methylphenol	1.010	1.195	-18.3	126	-0.05
18	t	Hexachloroethane	0.642	0.731	-13.9	116	-0.05
19	s	Nitrobenzene-d5	1.455	1.713	-17.7	122	-0.05
20	t	Nitrobenzene	1.414	1.666	-17.8	122	-0.05
21	i	Naphthalene-d8	1.000	1.000	0.0	103	-0.05
22	t	Isophorone	0.717	0.825	-15.1	120	-0.05
23	c	2-Nitrophenol	0.235	0.265	-12.8#	121	-0.05
24	t	2,4-Dimethylphenol	0.280	0.328	-17.1	123	-0.05
25	t	Bis(2-chloroethoxy) methane	0.308	0.363	-17.9	123	-0.05
26	t	Benzoic acid	0.200	0.219	-9.5	113	-0.06
27	c	2,4-Dichlorophenol	0.388	0.451	-16.2#	123	-0.05
28	m	1,2,4-Trichlorobenzene	0.468	0.534	-14.1	118	-0.05
29	t	Naphthalene	0.996	1.120	-12.4	123	-0.05
30	t	4-Chloroaniline	0.398	0.486	-22.1	127	-0.05
31	c	Hexachlorobutadiene	0.295	0.328	-11.2#	118	-0.05
32	c,m	4-Chloro-3-methylphenol	0.355	0.423	-19.2#	126	-0.05
33	t	2-Methylnaphthalene	0.741	0.849	-14.6	123	-0.05
34	p	Hexachlorocyclopentadiene	0.132	0.117	11.4	99	-0.05
35	i	Acenaphthene-d10	1.000	1.000	0.0	102	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E21465.D
Acq On : 7 Jun 2004 3:22 pm
Sample : 50 ppm BNA CAL CHECK STD
Misc : QBSV2060804A
MS Integration Params: events.e

Vial: 1
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	c	2,4,6-Trichlorophenol	0.467	0.552	-18.2#	122	-0.05
37	t	2,4,5-Trichlorophenol	0.514	0.596	-16.0	120	-0.05
38	s	2-Fluorobiphenyl	1.491	1.761	-18.1	123	-0.05
39	t	2-Chloronaphthalene	1.213	1.455	-20.0	127	-0.05
40	t	2-Nitroaniline	0.402	0.487	-21.1	131	-0.06
41	t	Dimethylphthalate	1.556	1.804	-15.9	124	-0.06
42	t	2,6-Dinitrotoluene	0.389	0.471	-21.1	131	-0.06
43	t	Acenaphthylene	1.799	2.088	-16.1	124	-0.05
44	t	3-Nitroaniline	0.309	0.374	-21.0	126	-0.07
45	c,m	Acenaphthene	1.049	1.218	-16.1#	125	-0.05
46	p	2,4-Dinitrophenol	0.242	0.227	6.2	104	-0.07
47	t	Dibenzofuran	1.779	2.082	-17.0	125	-0.05
48	m	2,4-Dinitrotoluene	0.516	0.586	-13.6	118	-0.07
49	p,m	4-Nitrophenol	0.430	0.450	-4.7	101	-0.07
50	t	Diethyl phthalate	1.634	1.958	-19.8	127	-0.06
51	t	Fluorene	1.340	1.582	-18.1	124	-0.06
52	t	4-Chlorophenyl phenylether	0.746	0.889	-19.2	125	-0.06
53	t	4-Nitroaniline	0.322	0.366	-13.7	121	-0.08
54	t	4,6-Dinitro-2-methylphenol	0.328	0.372	-13.4	118	-0.07
55	c	Diphenylamine	0.987	1.140	-15.5#	122	-0.06
56	t	N-Nitrosodiphenylamine	0.360	0.407	-13.1	125	-0.06
57	i	Phenanthrene-d10	1.000	1.000	0.0	102	-0.06
58	t	Azobenzene	1.063	1.195	-12.4	122	-0.06
59	s	2,4,6-Tribromophenol	0.133	0.145	-9.0	121	-0.06
60	t	4-Bromophenyl phenylether	0.256	0.289	-12.9	117	-0.06
61	t	Hexachlorobenzene	0.123	0.152	-23.6	132	-0.06
62	c,m	Pentachlorophenol	0.148	0.174	-17.6#	133	-0.06
63	t	Phenanthrene	1.124	1.274	-13.3	122	-0.06
64	t	Anthracene	1.144	1.322	-15.6	121	-0.06
65	t	Di-n-butyl phthalate	1.532	1.753	-14.4	120	-0.06
66	c	Fluoranthene	1.325	1.547	-16.8#	121	-0.06
67	t	Benzidine	0.369	0.487	-32.0#	131	-0.07
68	m	Pyrene	1.269	1.500	-18.2	124	-0.06
69	s	Terphenyl-d14	0.953	1.134	-19.0	125	-0.06
70	t	Benzyl butyl phthalate	0.733	0.891	-21.6	125	-0.06
71	t	Bis(2-ethylhexyl) phthalate	1.116	1.437	-28.8#	137	-0.06

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E21465.D Vial: 1
Acq On : 7 Jun 2004 3:22 pm Operator: SW
Sample : 50 ppm BNA CAL CHECK STD Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
72	t	Benz (a) anthracene	1.272	1.570	-23.4	132	-0.06
73	t	3,3-Dichlorobenzidine	0.517	0.691	-33.7#	142	-0.06
74	i	Chyrsene-d12	1.000	1.000	0.0	107	-0.06
75	t	Chrysene	1.131	1.305	-15.4	126	-0.06
76	c	Di-n-octyl phthalate	1.613	1.886	-16.9#	128	-0.06
77	t	Benzo(b)fluoranthene	1.363	1.314	3.6	111	-0.08
78	t	Benzo(k)fluoranthene	1.062	1.215	-14.4	118	-0.08
79	c	Benzo(a)pyrene	1.047	1.180	-12.7#	127	-0.09
80	t	Indeno(1,2,3-cd)pyrene	1.150	1.270	-10.4	123	-0.13
81	t	Dibenz(a,h)anthracene	0.939	1.023	-8.9	119	-0.12
82	t	Benzo(g,h,i)perylene	0.897	1.005	-12.0	123	-0.14
83	i	Perylene-d12	1.000	1.000	0.0	105	-0.09

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21465.D Vial: 1
Acq On : 7 Jun 2004 3:22 pm Operator: SW
Sample : 50 ppm BNA CAL CHECK STD Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 16 14:55 19104 Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	1304990	40.00	ug/mL	-0.04
21) Naphthalene-d8	10.11	136	3747599	40.00	ug/mL	-0.05
35) Acenaphthene-d10	12.55	164	2301208	40.00	ug/mL	-0.05
57) Phenanthrene-d10	14.66	188	3887917	40.00	ug/mL	-0.06
74) Chyrsene-d12	18.49	240	4274161	40.00	ug/mL	-0.06
83) Perylene-d12	20.66	264	3518558	40.00	ug/mL	-0.09
System Monitoring Compounds						
4) 2-Fluorophenol	6.99	112	1719655m	57.13	ug/mL	-0.05
Spiked Amount 200.000	Range 15 - 87		Recovery = 28.57%			
5) Phenol-d5	8.11	99	1737976	55.55	ug/mL	-0.04
Spiked Amount 200.000	Range 10 - 100		Recovery = 27.78%			
19) Nitrobenzene-d5	9.21	82	2794536	58.87	ug/mL	-0.05
Spiked Amount 100.000	Range 26 - 120		Recovery = 58.87%			
38) 2-Fluorobiphenyl	11.58	172	5064192	59.03	ug/mL	-0.05
Spiked Amount 100.000	Range 29 - 120		Recovery = 59.03%			
59) 2,4,6-Tribromophenol	13.70	330	702825	54.22	ug/mL	-0.06
Spiked Amount 200.000	Range 35 - 126		Recovery = 27.11%#			
69) Terphenyl-d14	16.93	244	5511043	59.51	ug/mL	-0.06
Spiked Amount 100.000	Range 35 - 127		Recovery = 59.51%			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.33	74	561178	54.23	ug/mL#	75
3) Pyridine	5.25	79	811025m	49.92	ug/mL	
6) Aniline	8.13	93	1947821	57.88	ug/mL	96
7) Phenol	8.13	94	2082296	55.62	ug/mL	99
8) Bis(2-chloroethyl)ether	8.19	93	1618593	54.05	ug/mL	97
9) 2-Chlorophenol	8.26	128	2120040	58.31	ug/mL	97
10) 1,3-Dichlorobenzene	8.41	146	2514962	57.48	ug/mL	99
11) 1,4-Dichlorobenzene	8.48	146	2943088	55.62	ug/mL	98
12) Benzyl Alcohol	8.68	108	1004278	51.70	ug/mL	94
13) 1,2-Dichlorobenzene	8.72	146	2566451	55.36	ug/mL	99
14) 2-Methylphenol	8.83	107	1393793	59.15	ug/mL	96
15) Bis(2-chloroisopropyl) eth	8.83	45	2046605	55.59	ug/mL	99
16) N-Nitroso-di-n-propylamine	9.04	70	1492715	55.35	ug/mL	100
17) 4-Methylphenol	9.01	107	1949698	59.14	ug/mL	96
18) Hexachloroethane	9.09	117	1192120	56.88	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21465.D Vial: 1
Acq On : 7 Jun 2004 3:22 pm Operator: SW
Sample : 50 ppm BNA CAL CHECK STD Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 16 14:55 19104 Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	9.24	77	2716830	58.88	ug/mL	99
22) Isophorone	9.53	82	3862495	57.54	ug/mL	98
23) 2-Nitrophenol	9.64	139	1243540	56.57	ug/mL	98
24) 2,4-Dimethylphenol	9.67	122	1538535m	58.60	ug/mL	
25) Bis(2-chloroethoxy) methan	9.79	93	1698353	58.80	ug/mL	99
26) Benzoic acid	9.91	105	1025922	54.64	ug/mL#	38
27) 2,4-Dichlorophenol	9.95	162	2111588	58.06	ug/mL	97
28) 1,2,4-Trichlorobenzene	10.04	180	2502710	57.10	ug/mL	99
29) Naphthalene	10.14	128	5247231	56.21	ug/mL	99
30) 4-Chloroaniline	10.24	127	2277738	61.06	ug/mL	98
31) Hexachlorobutadiene	10.34	225	1538117	55.56	ug/mL	98
32) 4-Chloro-3-methylphenol	10.88	107	1981253	59.54	ug/mL	98
33) 2-Methylnaphthalene	11.06	142	3976821	57.29	ug/mL	99
34) Hexachlorocyclopentadiene	11.35	237	549865	44.55	ug/mL#	76
36) 2,4,6-Trichlorophenol	11.50	196	1587404	59.14	ug/mL	97
37) 2,4,5-Trichlorophenol	11.56	196	1713481	57.92	ug/mL	99
39) 2-Chloronaphthalene	11.74	162	4186226	59.97	ug/mL	99
40) 2-Nitroaniline	11.96	138	1400599	60.58	ug/mL	96
41) Dimethylphthalate	12.22	163	5188180	57.95	ug/mL	99
42) 2,6-Dinitrotoluene	12.34	165	1353981	60.47	ug/mL	99
43) Acenaphthylene	12.34	152	6007489	58.05	ug/mL	99
44) 3-Nitroaniline	12.55	138	1075921	60.44	ug/mL	98
45) Acenaphthene	12.60	154	3504597	58.07	ug/mL	98
46) 2,4-Dinitrophenol	12.70	184	652890	46.94	ug/mL	92
47) Dibenzofuran	12.82	168	5989568	58.53	ug/mL	100
48) 2,4-Dinitrotoluene	12.90	165	1684535	56.78	ug/mL	97
49) 4-Nitrophenol	12.80	65	1294355	52.35	ug/mL#	74
50) Diethyl phthalate	13.20	149	5632067	59.90	ug/mL	100
51) Fluorene	13.32	166	4549769	59.01	ug/mL	99
52) 4-Chlorophenyl phenylether	13.29	204	2557329	59.60	ug/mL	97
53) 4-Nitroaniline	13.46	138	1052976	56.84	ug/mL#	74
54) 4,6-Dinitro-2-methylphenol	13.49	198	1069423	56.73	ug/mL	96
55) Diphenylamine	13.49	169	3278751	57.77	ug/mL	99
56) N-Nitrosodiphenylamine	13.49	167	1171681	56.64	ug/mL	95
58) Azobenzene	13.52	77	5808521	56.20	ug/mL	96
60) 4-Bromophenyl phenylether	13.98	248	1403757	56.43	ug/mL	96
61) Hexachlorobenzene	14.22	142	736557m	61.67	ug/mL	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21465.D Vial: 1
Acq On : 7 Jun 2004 3:22 pm Operator: SW
Sample : 50 ppm BNA CAL CHECK STD Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 16 14:55 19104 Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

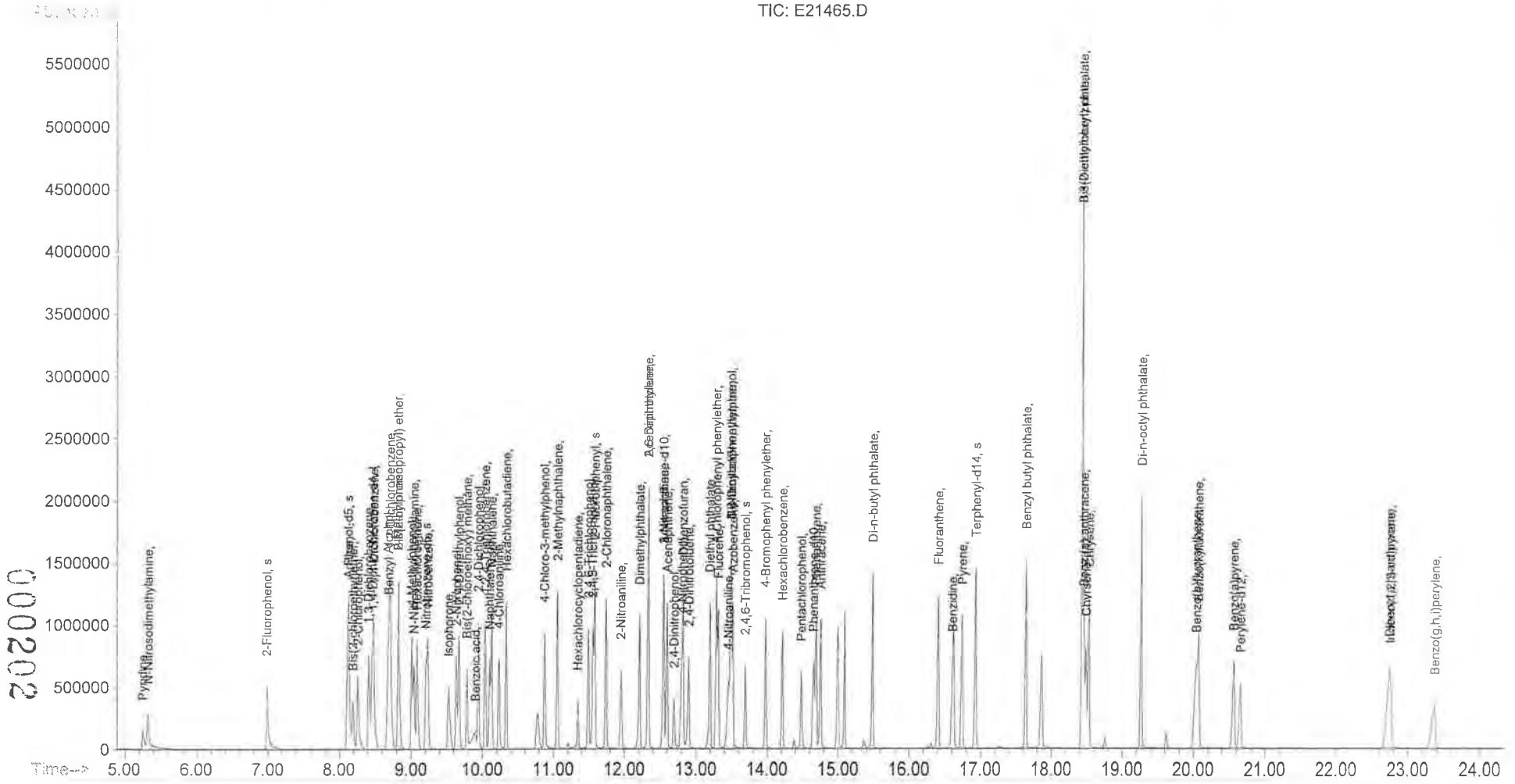
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.49	266	846052m	58.98	ug/mL	
63) Phenanthrene	14.69	178	6192786	56.67	ug/mL#	97
64) Anthracene	14.76	178	6424433	57.78	ug/mL#	98
65) Di-n-butyl phthalate	15.49	149	8519073	57.22	ug/mL	99
66) Fluoranthene	16.41	202	7516199	58.38	ug/mL	98
67) Benzidine	16.60	184	2364684	66.01	ug/mL	99
68) Pyrene	16.74	202	7290927	59.10	ug/mL	99
70) Benzyl butyl phthalate	17.64	149	4329009	60.76	ug/mL	96
71) Bis(2-ethylhexyl) phthalat	18.44	149	6982206m	64.39	ug/mL	
72) Benz (a) anthracene	18.46	228	7629450m	61.71	ug/mL	
73) 3,3-Dichlorobenzidine	18.44	252	3357910	66.87	ug/mL	98
75) Chrysene	18.53	228	6974201	57.69	ug/mL#	99
76) Di-n-octyl phthalate	19.27	149	10076597m	58.46	ug/mL	
77) Benzo(b)fluoranthene	20.04	252	7022789	48.21	ug/mL#	74
78) Benzo(k)fluoranthene	20.07	252	6489546	57.16	ug/mL#	78
79) Benzo(a)pyrene	20.57	252	6304094	56.37	ug/mL	98
80) Indeno(1,2,3-cd)pyrene	22.77	276	6787533	55.22	ug/mL#	92
81) Dibenz(a,h)anthracene	22.75	278	5464094	54.44	ug/mL	96
82) Benzo(g,h,i)perylene	23.37	276	5367303	55.99	ug/mL#	98

(#) = qualifier out of range (m) = manual integration

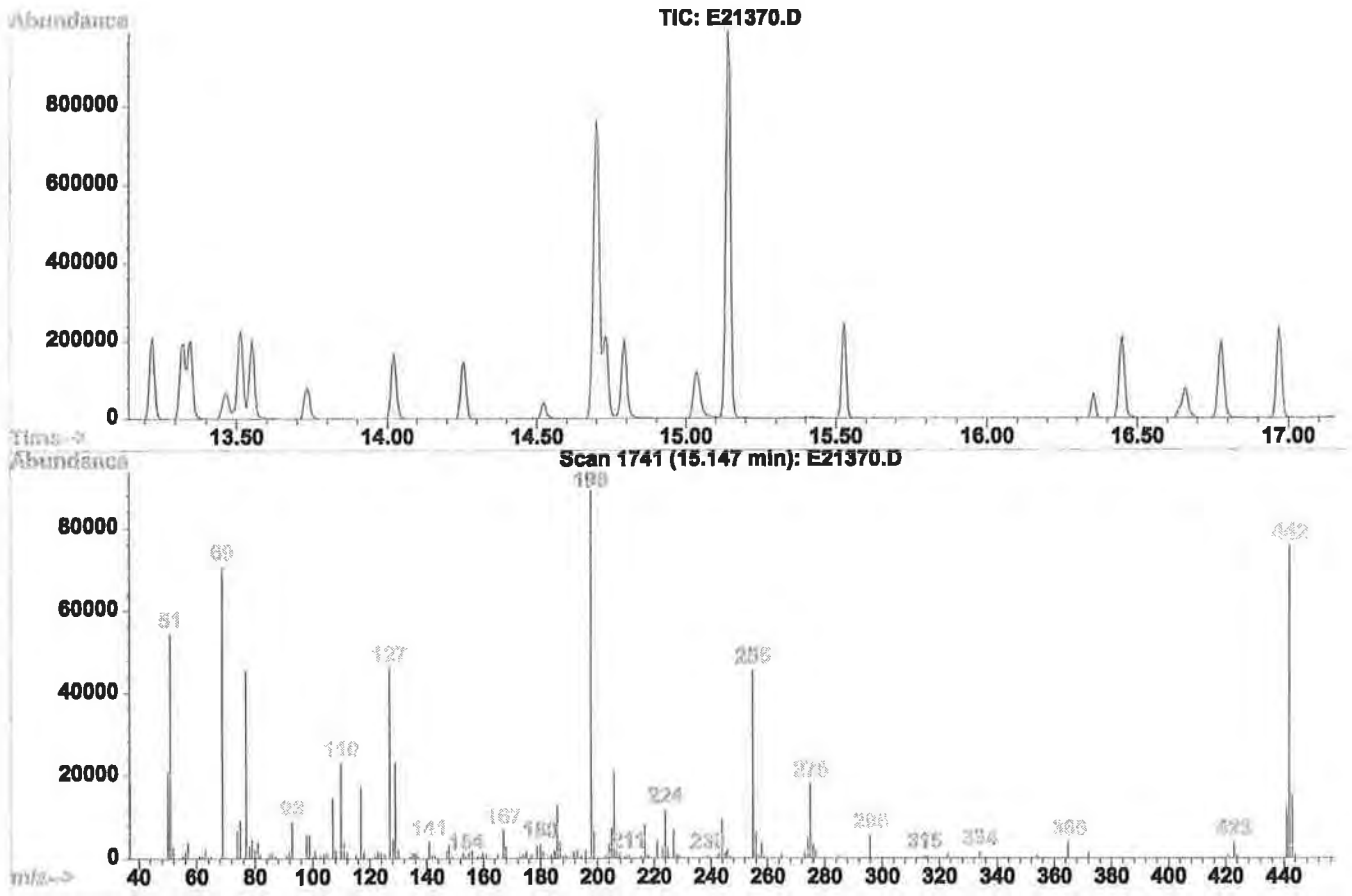
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21465.D Vial: 1
Acq On : 7 Jun 2004 3:22 pm Operator: SW
Sample : 50 ppm BNA CAL CHECK STD Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 16 14:55 19104 Quant Results File: BNA2M03.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\E21370.D Vial: 9
Acq On : 3 Jun 2004 1:03 pm Operator: SW
Sample : 10 ppm BNA CAL STD Inst : GCMS BNA
Misc : QBSV2060304A Multiplr: 1.00
MS Integration Params: events.e
Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration



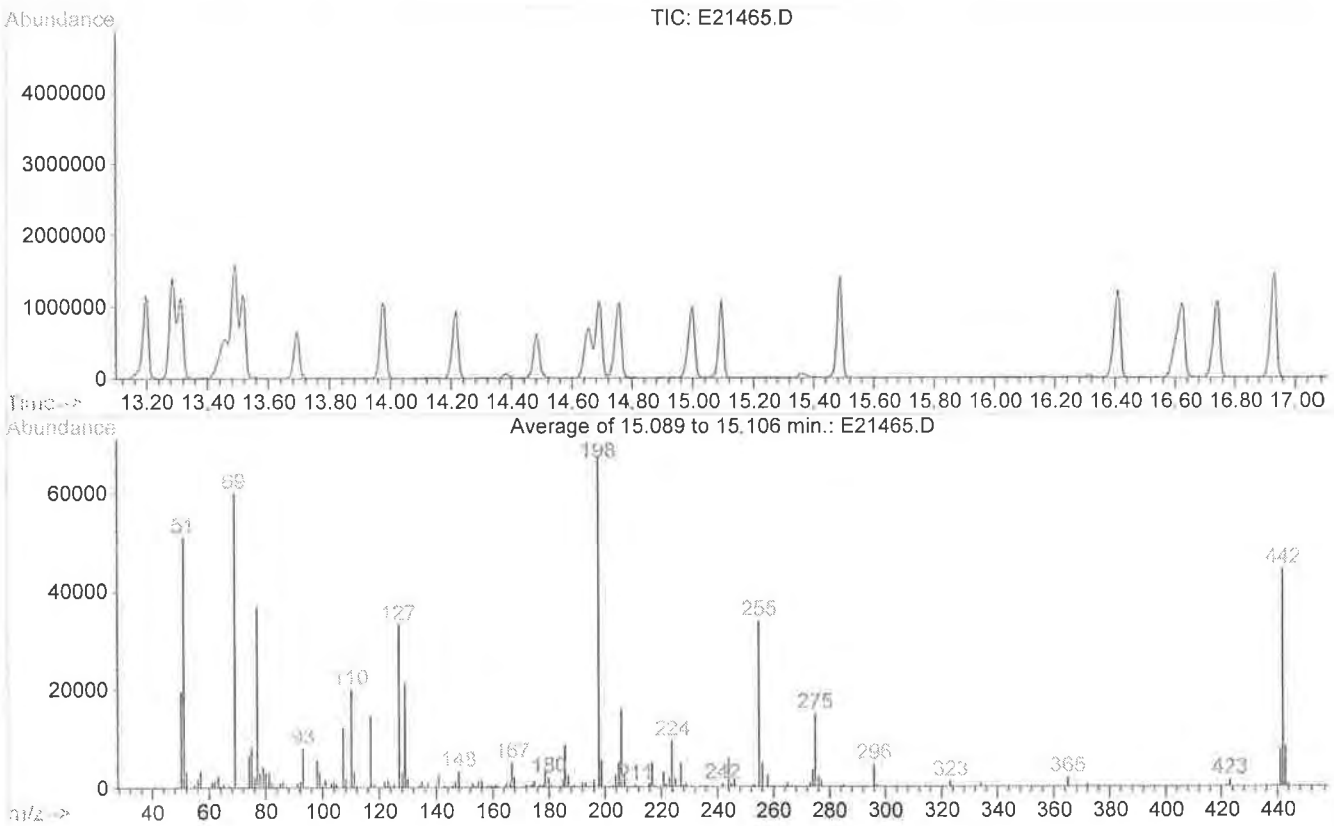
Spectrum Information: Scan 1741

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	85	61.0	54432	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	79.2	70640	PASS
70	69	0.00	2	0.8	542	PASS
127	198	40	60	51.6	46056	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	89176	PASS
199	198	5	9	7.3	6476	PASS
275	198	10	30	20.4	18168	PASS
365	198	1	100	4.4	3922	PASS
441	443	0.01	100	80.3	12256	PASS
442	198	40	100	84.7	75560	PASS
443	442	17	23	20.2	15258	PASS

DFTPP

Data File : C:\HPCHEM\1\DATA\E21465.D
Acq On : 7 Jun 2004 3:22 pm
Sample : 50 ppm BNA CAL CHECK STD
Misc : QBSV2060804A
MS Integration Params: events.e
Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration

Vial: 1
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00



Spectrum Information: Average of 15.089 to 15.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	85	75.3	51015	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	88.6	59989	PASS
70	69	0.00	2	0.3	177	PASS
127	198	40	60	48.9	33156	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	67744	PASS
199	198	5	9	8.1	5501	PASS
275	198	10	30	22.1	14995	PASS
365	198	1	100	2.8	1911	PASS
441	443	0.01	100	91.4	7678	PASS
442	198	40	100	65.5	44350	PASS
443	442	17	23	19.0	8405	PASS

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21470.D Vial: 6
Acq On : 7 Jun 2004 6:33 pm Operator: SW
Sample : MBLK 060104 WATER Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 16 14:56 19104 Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	1136009	40.00	ug/mL	-0.05
21) Naphthalene-d8	10.10	136	3357394	40.00	ug/mL	-0.06
35) Acenaphthene-d10	12.55	164	2207458	40.00	ug/mL	-0.06
57) Phenanthrene-d10	14.65	188	3771741	40.00	ug/mL	-0.07
74) Chyrsene-d12	18.48	240	3926147	40.00	ug/mL	-0.08
83) Perylene-d12	20.65	264	3694400	40.00	ug/mL	-0.09
System Monitoring Compounds						
4) 2-Fluorophenol	6.98	112	1895505	72.34	ug/mL	-0.05
Spiked Amount 200.000	Range 15 - 87		Recovery = 36.17%			
5) Phenol-d5	8.10	99	2162653	79.40	ug/mL	-0.06
Spiked Amount 200.000	Range 10 - 100		Recovery = 39.70%			
19) Nitrobenzene-d5	9.21	82	2068858	50.07	ug/mL	-0.06
Spiked Amount 100.000	Range 26 - 120		Recovery = 50.07%			
38) 2-Fluorobiphenyl	11.58	172	4912666	59.70	ug/mL	-0.06
Spiked Amount 100.000	Range 29 - 120		Recovery = 59.70%			
59) 2,4,6-Tribromophenol	13.70	330	2632929	209.36	ug/mL	-0.06
Spiked Amount 200.000	Range 35 - 126		Recovery = 104.68%			
69) Terphenyl-d14	16.94	244	8679496	96.62	ug/mL	-0.05
Spiked Amount 100.000	Range 35 - 127		Recovery = 96.62%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

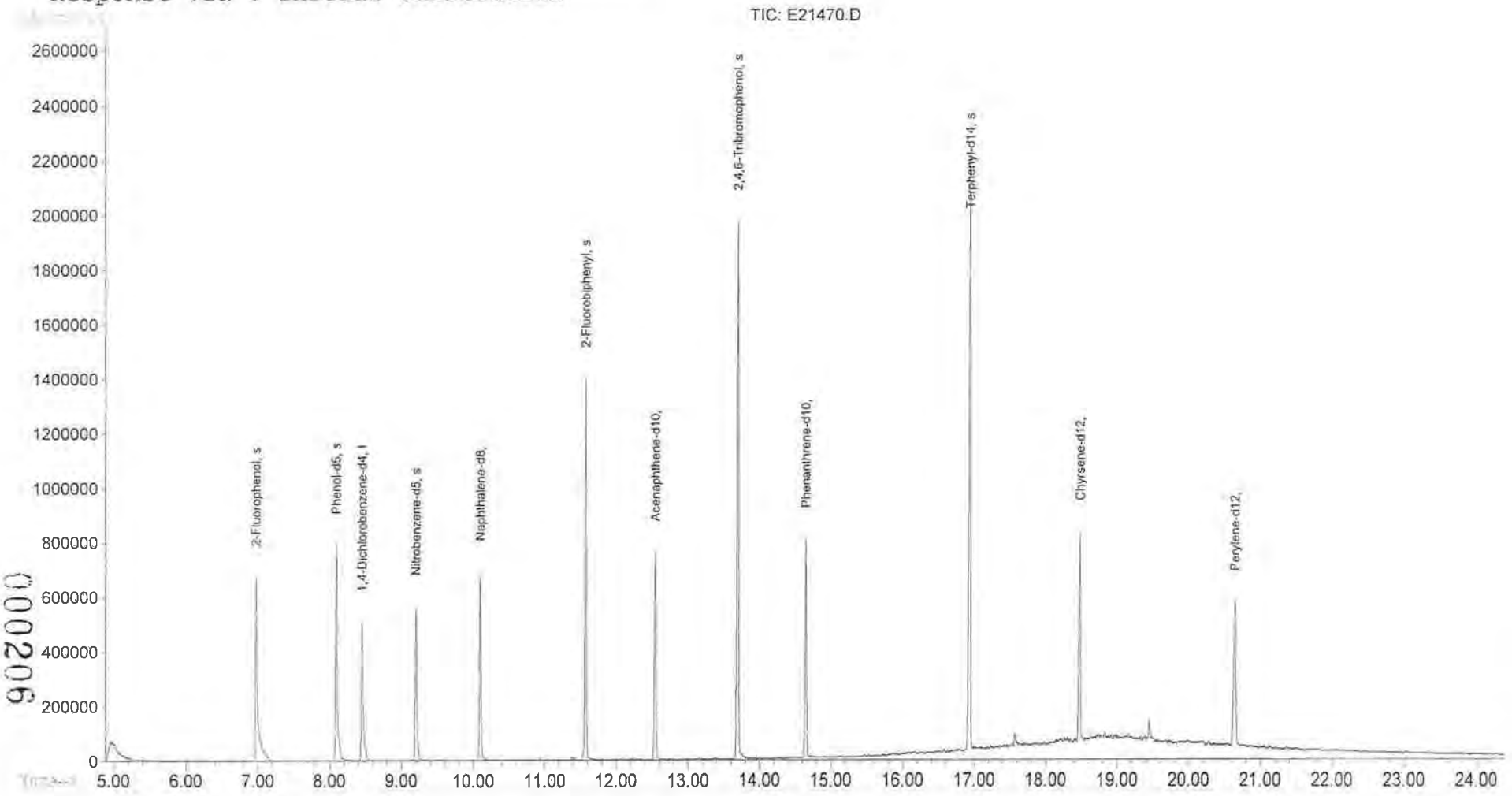
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21470.D
Acq On : 7 Jun 2004 6:33 pm
Sample : MBLK 060104 WATER
Misc : QBSV2060804A
MS Integration Params: events.e
Quant Time: Jul 16 14:56 19104

Vial: 6
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M03.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21471.D Vial: 7
Acq On : 7 Jun 2004 7:11 pm Operator: SW
Sample : MS 060104 WATER Inst : GCMS BNA
Misc : QBSV2060804A Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 16 14:57 19104 Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	1443878	40.00	ug/mL	-0.04
21) Naphthalene-d8	10.10	136	4145269	40.00	ug/mL	-0.05
35) Acenaphthene-d10	12.55	164	2538832	40.00	ug/mL	-0.05
57) Phenanthrene-d10	14.66	188	4440564	40.00	ug/mL	-0.06
74) Chyrsene-d12	18.48	240	4057332	40.00	ug/mL	-0.08
83) Perylene-d12	20.65	264	3636246	40.00	ug/mL	-0.10
System Monitoring Compounds						
4) 2-Fluorophenol	6.98	112	2374887	71.31	ug/mL	-0.05
Spiked Amount 200.000	Range 15 - 87		Recovery = 35.66%			
5) Phenol-d5	8.11	99	2950131	85.22	ug/mL	-0.04
Spiked Amount 200.000	Range 10 - 100		Recovery = 42.61%			
19) Nitrobenzene-d5	9.21	82	2268232	43.19	ug/mL	-0.05
Spiked Amount 100.000	Range 26 - 120		Recovery = 43.19%			
38) 2-Fluorobiphenyl	11.58	172	5295419	55.95	ug/mL	-0.06
Spiked Amount 100.000	Range 29 - 120		Recovery = 55.95%			
59) 2,4,6-Tribromophenol	13.70	330	2366599	159.84	ug/mL	-0.06
Spiked Amount 200.000	Range 35 - 126		Recovery = 79.92%			
69) Terphenyl-d14	16.94	244	7041779	66.58	ug/mL	-0.06
Spiked Amount 100.000	Range 35 - 127		Recovery = 66.58%			

Target Compounds						Qvalue
7) Phenol	8.13	94	2669365	64.44	ug/mL	78
9) 2-Chlorophenol	8.26	128	4359218	108.37	ug/mL	97
11) 1,4-Dichlorobenzene	8.48	146	2481441	42.38	ug/mL	97
16) N-Nitroso-di-n-propylamine	9.03	70	1383683	46.37	ug/mL	98
28) 1,2,4-Trichlorobenzene	10.04	180	2341414	48.29	ug/mL	98
32) 4-Chloro-3-methylphenol	10.88	107	4540582	123.37	ug/mL	99
45) Acenaphthene	12.60	154	3700870	55.59	ug/mL	98
48) 2,4-Dinitrotoluene	12.89	165	1797543	54.91	ug/mL	94
49) 4-Nitrophenol	12.78	65	1271134m	46.60	ug/mL	
62) Pentachlorophenol	14.48	266	1635655	99.83	ug/mL	94
68) Pyrene	16.75	202	8438753	59.89	ug/mL	99

(#) = qualifier out of range (m) = manual integration

000207

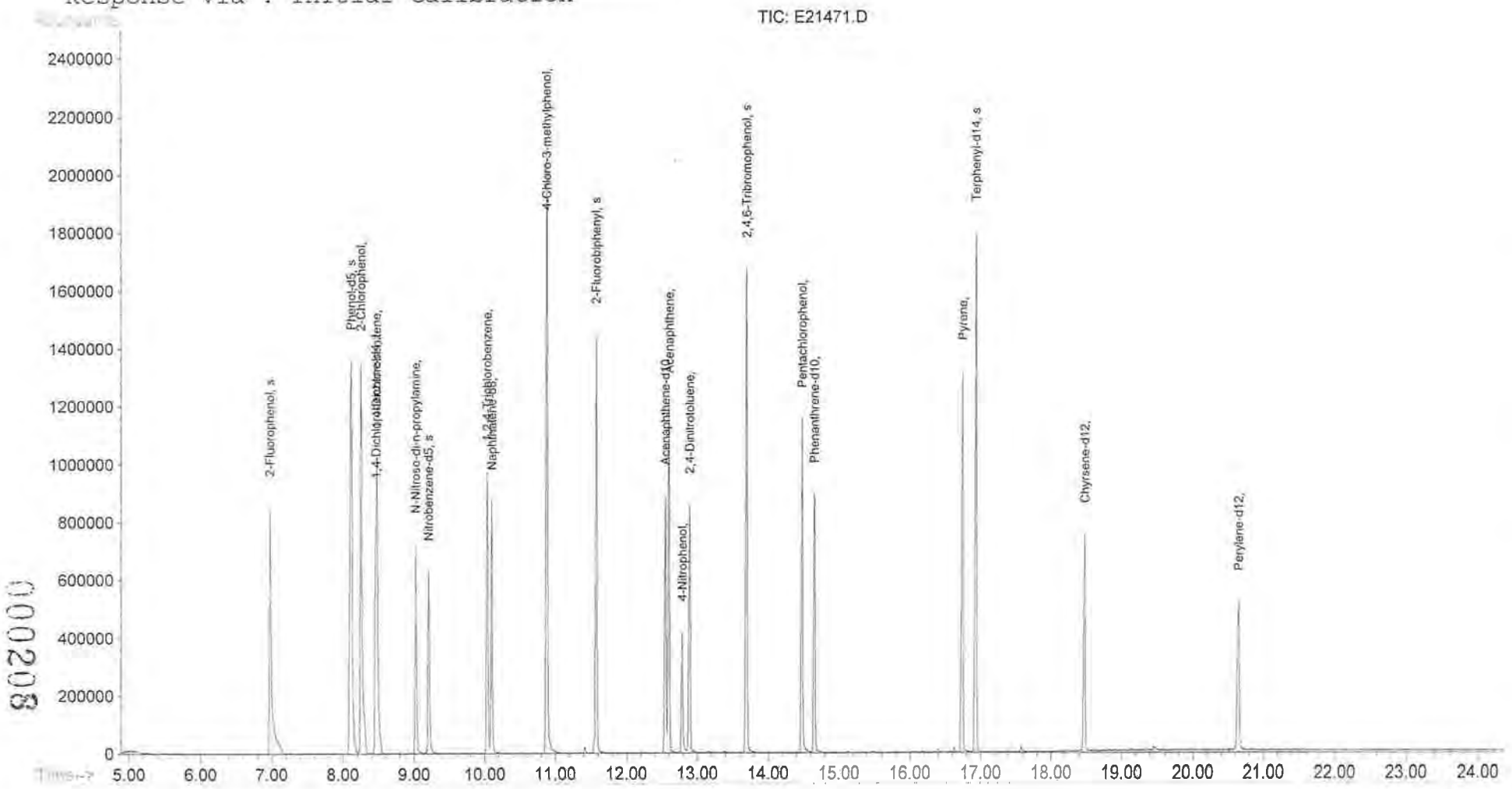
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E21471.D
Acq On : 7 Jun 2004 7:11 pm
Sample : MS 060104 WATER
Misc : QBSV2060804A
MS Integration Params: events.e
Quant Time: Jul 16 14:57 19104

Vial: 7
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M03.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E21472.D
Acq On : 7 Jun 2004 7:50 pm
Sample : MSD 060104 WATER
Misc : QBSV2060804A
MS Integration Params: events.e
Quant Time: Jul 16 14:59 19104

Vial: 8
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00
Quant Results File: BNA2M03.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jun 04 11:54:22 2004
Response via : Initial Calibration
DataAcq Meth : BNA2M03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	1510475	40.00	ug/mL	-0.04
21) Naphthalene-d8	10.10	136	4519119	40.00	ug/mL	-0.05
35) Acenaphthene-d10	12.55	164	2892543	40.00	ug/mL	-0.05
57) Phenanthrene-d10	14.66	188	4934299	40.00	ug/mL	-0.06
74) Chyrsene-d12	18.48	240	5112998	40.00	ug/mL	-0.07
83) Perylene-d12	20.65	264	4564017	40.00	ug/mL	-0.09
System Monitoring Compounds						
4) 2-Fluorophenol	6.98	112	3098430	88.93	ug/mL	-0.05
Spiked Amount 200.000	Range 15 - 87		Recovery = 44.47%			
5) Phenol-d5	8.12	99	3260735	90.04	ug/mL	-0.04
Spiked Amount 200.000	Range 10 - 100		Recovery = 45.02%			
19) Nitrobenzene-d5	9.21	82	2596800	47.27	ug/mL	-0.05
Spiked Amount 100.000	Range 26 - 120		Recovery = 47.27%			
38) 2-Fluorobiphenyl	11.58	172	6131099	56.86	ug/mL	-0.05
Spiked Amount 100.000	Range 29 - 120		Recovery = 56.86%			
59) 2,4,6-Tribromophenol	13.70	330	2894633	175.94	ug/mL	-0.06
Spiked Amount 200.000	Range 35 - 126		Recovery = 87.97%			
69) Terphenyl-d14	16.94	244	8935615	76.03	ug/mL	-0.05
Spiked Amount 100.000	Range 35 - 127		Recovery = 76.03%			

Target Compounds						Qvalue
7) Phenol	8.13	94	3152683	72.76	ug/mL#	66
9) 2-Chlorophenol	8.26	128	4774205	113.45	ug/mL	97
11) 1,4-Dichlorobenzene	8.48	146	2654340	43.34	ug/mL	95
16) N-Nitroso-di-n-propylamine	9.03	70	1683436	53.93	ug/mL	95
28) 1,2,4-Trichlorobenzene	10.04	180	2627644	49.71	ug/mL	99
32) 4-Chloro-3-methylphenol	10.89	107	5494105	136.93	ug/mL	98
45) Acenaphthene	12.60	154	4327036	57.04	ug/mL	99
48) 2,4-Dinitrotoluene	12.90	165	2285338	61.28	ug/mL	98
49) 4-Nitrophenol	12.79	65	1631953m	52.51	ug/mL	
62) Pentachlorophenol	14.49	266	2063734	113.35	ug/mL	97
68) Pyrene	16.75	202	10594474	67.67	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

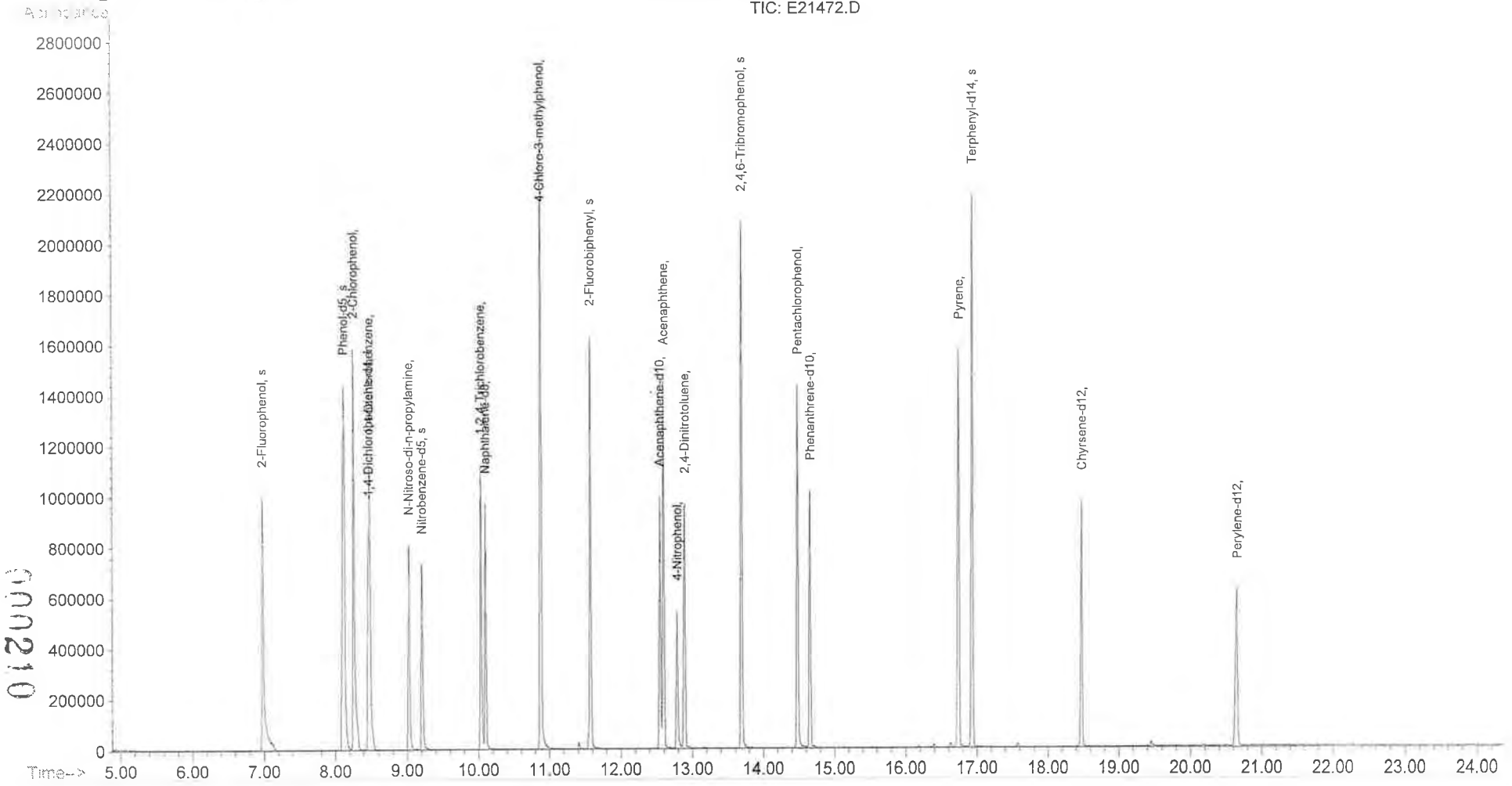
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Acq On : 7 Jun 2004 7:50 pm
Sample : MSD 060104 WATER
Misc : QBSV2060804A
MS Integration Params: events.e
Quant Time: Jul 16 14:59 19104

Vial: 8
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M03.RES

Method : C:\HPCHEM\1\METHODS\BNA2M03.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Mon Jun 07 10:17:25 2004
Response via : Initial Calibration

TIC: E21472.D



BNA MDL STUDY 01/17/2004

Compound	1 EX8928 ug/L	2 EX8929 ug/L	3 EX8930 ug/L	4 EX8931 ug/L	5 EX8932 ug/L	6 EX8933 ug/L	7 EX8934 ug/L	AVERAGE	STD DEV	MDL
N-Nitrosodimethylamine	6.09	7.74	7.14	5.29	5.22	6.17	5.33	6.14	0.98	**2.94**
Pyridine	1.42	4.90	3.72	0.71	2.96	2.12	1.67	2.50	1.45	**4.36**
Aniline	9.28	11.53	9.94	8.95	9.01	9.30	8.86	9.55	0.95	**2.84**
Phenol	9.02	10.16	9.82	8.92	8.99	8.75	8.95	9.23	0.54	**1.61**
Bis(2-chloroethyl)ether	10.69	9.67	10.13	10.28	11.20	9.47	9.57	10.15	0.64	**1.91**
2-Chlorophenol	9.73	10.60	9.37	9.39	9.83	8.89	9.28	9.58	0.54	**1.63**
1,3-Dichlorobenzene	10.10	11.49	10.48	10.07	10.05	10.41	9.90	10.36	0.54	**1.62**
1,4-Dichlorobenzene	11.54	10.75	10.67	10.32	10.73	10.08	10.28	10.62	0.48	**1.44**
Benzyl Alcohol	7.88	9.67	8.25	7.23	8.45	7.53	8.01	8.15	0.79	**2.37**
1,2-Dichlorobenzene	11.22	12.03	11.32	10.98	10.85	10.97	11.19	11.22	0.39	**1.17**
2-Methylphenol	9.82	11.28	10.42	9.71	10.52	9.87	9.71	10.19	0.59	**1.76**
Bis(2-chloroisopropyl) ether	10.46	10.87	10.29	10.27	10.33	10.15	9.71	10.30	0.35	**1.04**
N-Nitrosodi-n-propylamine	9.80	10.97	10.55	9.56	9.50	9.70	9.68	9.97	0.56	**1.69**
4-Methylphenol	9.80	10.72	10.33	9.93	9.67	9.32	9.09	9.84	0.56	**1.69**
Hexachloroethane	8.94	11.04	9.56	8.63	9.46	8.44	8.65	9.25	0.90	**2.69**
Nitrobenzene	10.52	11.52	11.02	9.85	10.03	10.11	9.95	10.43	0.63	**1.89**
Isophorone	10.47	11.00	10.62	10.04	9.63	9.93	9.36	10.15	0.58	**1.73**
2-Nitrophenol	10.54	11.85	11.45	10.41	10.77	10.51	9.82	10.76	0.68	**2.04**
2,4-Dimethylphenol	11.64	12.01	12.00	11.62	11.60	10.66	10.99	11.50	0.50	**1.51**
Bis(2-chloroethoxy)methane	12.49	12.43	11.76	11.42	11.54	11.28	11.00	11.70	0.57	**1.71**
Benzoic Acid	6.32	7.76	6.74	5.17	5.47	5.23	5.17	5.98	1.00	**3.00**
2,4-Dichlorophenol	10.79	11.85	11.34	11.00	10.90	10.61	9.99	10.93	0.58	**1.74**
1,2,4-Trichlorobenzene	12.39	12.52	12.39	11.03	12.04	11.51	11.18	11.87	0.62	**1.87**
Naphthalene	12.64	12.96	12.75	12.44	12.04	12.26	11.91	12.43	0.38	**1.15**
4-Chloroaniline	11.04	12.13	11.75	10.97	11.09	10.86	10.25	11.16	0.61	**1.84**
Hexachlorobutadiene	12.45	13.64	12.90	12.12	12.80	12.36	11.77	12.58	0.61	**1.82**
4-Chloro-3-methylphenol	10.39	11.45	11.03	10.27	10.34	10.10	10.14	10.53	0.51	**1.53**
2-Methylnaphthalene	12.61	12.92	12.75	12.25	12.26	12.19	11.64	12.37	0.43	**1.29**
Hexachlorocyclopentadiene	8.60	9.94	8.49	8.26	7.67	8.34	7.94	8.46	0.73	**2.18**
2,4,6-Trichlorophenol	9.99	11.27	10.96	10.58	10.40	9.71	9.34	10.32	0.69	**2.06**
2,4,5-Trichlorophenol	11.16	12.58	12.35	11.19	11.36	11.21	10.08	11.42	0.83	**2.50**
2-Chloronaphthalene	11.68	12.35	12.01	11.65	11.78	11.81	10.94	11.75	0.43	**1.29**
2-Nitroaniline	8.46	9.10	8.96	8.89	8.40	8.35	7.87	8.58	0.43	**1.29**
Dimethylphthalate	10.87	11.24	11.91	11.33	10.79	10.79	10.10	11.01	0.56	**1.69**
2,6-Dinitrotoluene	9.55	11.20	10.92	9.24	9.25	9.13	8.76	9.72	0.95	**2.85**

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Compound	1 EX8928 ug/L	2 EX8929 ug/L	3 EX8930 ug/L	4 EX8931 ug/L	5 EX8932 ug/L	6 EX8933 ug/L	7 EX8934 ug/L	AVERAGE	STD DEV	MDL
Acenaphthylene	12.41	13.24	12.94	12.63	12.57	12.43	11.69	12.56	0.49	**1.46**
3-Nitroaniline	9.46	10.13	10.46	9.67	8.73	8.77	8.92	9.45	0.68	**2.05**
Acenaphthene	12.20	12.51	12.46	12.18	11.66	12.47	11.24	12.10	0.48	**1.44**
2,4-Dinitrophenol	5.50	6.86	5.66	4.91	4.61	5.05	4.62	5.32	0.79	**2.37**
Dibenzofuran	11.62	12.17	12.41	11.85	11.33	11.82	11.22	11.77	0.43	**1.28**
2,4-Dinitrotoluene	9.10	9.54	10.05	9.84	9.18	9.12	8.19	9.29	0.61	**1.83**
4-Nitrophenol	8.96	9.02	8.24	8.61	8.24	7.79	7.60	8.35	0.55	**1.64**
Diethyl phthalate	11.47	11.59	12.36	11.81	11.12	11.17	10.84	11.48	0.51	**1.52**
Fluorene	11.84	12.62	13.26	13.20	12.26	12.72	11.71	12.52	0.61	**1.83**
4-Chlorophenyl phenyl ether	11.35	12.20	12.92	12.23	11.90	12.16	11.47	12.03	0.53	**1.58**
4-Nitroaniline	9.41	10.13	10.09	10.02	9.19	9.49	9.32	9.66	0.40	**1.20**
4,6-Dinitro-2-methylphenol	9.81	11.72	10.57	10.42	9.47	9.91	9.90	10.26	0.75	**2.24**
Diphenylamine	13.03	12.81	13.56	13.83	12.62	13.41	12.24	13.07	0.56	**1.69**
N-Nitrosodiphenylamine	12.25	12.65	13.35	12.86	12.48	12.10	11.35	12.44	0.63	**1.89**
Azobenzene	12.97	13.77	13.73	12.77	13.13	11.97	12.21	12.94	0.69	**2.07**
4-Bromophenyl phenyl ether	12.54	13.48	13.38	13.00	13.04	12.84	12.09	12.91	0.48	**1.44**
Hexachlorobenzene	12.26	13.56	13.23	13.16	13.42	12.99	12.08	12.96	0.57	**1.71**
Pentachlorophenol	10.58	12.16	11.34	11.36	10.97	10.59	10.43	11.06	0.61	**1.83**
Phenanthrene	13.41	13.73	14.25	14.10	13.73	13.53	12.90	13.66	0.45	**1.35**
Anthracene	13.57	14.09	14.23	14.04	13.47	13.69	13.47	13.80	0.32	**0.96**
Di-n-butyl phthalate	13.96	13.87	13.67	14.06	13.44	13.43	12.93	13.62	0.39	**1.18**
Fluoranthene	15.34	14.85	15.12	15.33	14.74	14.56	14.23	14.88	0.41	**1.23**
Benzidine	12.79	14.24	12.72	12.54	12.43	12.03	11.11	12.55	0.94	**2.82**
Pyrene	15.29	14.67	15.11	15.50	14.48	14.21	13.97	14.75	0.57	**1.71**
Benzyl butyl phthalate	11.62	11.27	11.10	11.49	10.72	10.72	10.02	10.99	0.55	**1.65**
Bis(2-ethylhexyl)phthalate	12.54	12.17	12.42	12.17	12.15	11.71	10.94	12.02	0.54	**1.62**
Benz(a)anthracene	12.37	12.50	12.51	12.58	12.46	12.15	11.25	12.26	0.47	**1.40**
3,3'-Dichlorobenzidine	9.67	11.31	10.70	9.73	10.08	9.51	9.09	10.01	0.76	**2.28**
Chrysene	11.96	12.04	12.30	12.34	12.34	11.88	11.07	11.99	0.45	**1.35**
Di-n-octylphthalate	10.33	10.94	10.83	10.28	10.42	9.94	9.05	10.26	0.63	**1.90**
Benzo(b)fluoranthene	10.06	9.76	9.56	9.37	8.86	9.74	9.35	9.53	0.39	**1.16**
Benzo(k)fluoranthene	11.75	11.38	12.74	13.16	11.75	11.91	10.33	11.86	0.92	**2.76**
Benz(a)pyrene	10.26	10.62	10.65	10.68	10.02	9.93	9.36	10.22	0.49	**1.46**
Indeno(1,2,3-c,d)pyrene	10.81	11.38	11.80	11.42	10.98	11.03	10.10	11.07	0.55	**1.64**
Dibenz(a,h)anthracene	10.29	11.16	11.10	10.78	10.56	10.47	9.80	10.59	0.48	**1.43**
Benzo(g,h,i)perylene	11.37	11.93	12.26	11.87	11.51	11.44	10.54	11.56	0.55	**1.65**

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Form 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No./Lab Proj. No **04050709**

Initial Calibration Source:_____SPEX_____

Continuing Calibration Source:____Inorganic Ventures

Concentration units: ug/L

Analyte	Initial Calibration			CCV1			CCV2	
	TRUE	FOUND	%R(1)	TRUE	FOUND	% R(1)	FOUND	% R(1)
Aluminum	10000	9601	96	10000	9673	97	9566	96
Arsenic	250	242.1	97	250	246.3	99	241.0	96
Barium	10000	10100	101	10000	10100	101	10080	101
Beryllium	250	243.4	97	250	243	97	241.2	96
Chromium	1000	983.4	98	1000	990.0	99	980.1	98
Cobalt	2500	2469	99	2500	2484	99	2452	98
Copper	1250	1212	97	1250	1221	98	1214	97
Iron	5000	4929	99	5000	4961	99	4909	98
Lead	250	249.0	100	250	249.7	100	247.8	99
Manganese	2500	2500	100	2500	2495	100	2479	99
Nickel	2500	2426	97	2500	2439	98	2416	97
Silver	1250	1204	96	1250	1212	97	1199	96
Vanadium	2500	2446	98	2500	2442	98	2425	97
Zinc	2500	2477	99	2500	2494	100	2458	98

(1) Control Limits 90-110 %

Form 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No /Lab Proj. No. **04050709**

Initial Calibration Source:_____SPEX_____

Continuing Calibration Source:____Inorganic Ventures

Concentration units: ug/L

Analyte	Initial Calibration			CCV3			CCV4	
	TRUE	FOUND	%R(1)	TRUE	FOUND	% R(1)	FOUND	% R(1)
Aluminum	10000	9601	96	10000	9724	97	9737	97
Arsenic	250	242.1	97	250	239.3	96	242.1	97
Barium	10000	10100	101	10000	10070	101	10300	103
Beryllium	250	243.4	97	250	240.8	96	245.5	98
Chromium	1000	983.4	98	1000	993.2	99	997.9	100
Cobalt	2500	2469	99	2500	2489	100	2495	100
Copper	1250	1212	97	1250	1233	99	1235	99
Iron	5000	4929	99	5000	4977	100	4991	100
Lead	250	249	100	250	250.1	100	250.9	100
Manganese	2500	2500	100	2500	2471	99	2517	101
Nickel	2500	2426	97	2500	2458	98	2464	99
Silver	1250	1204	96	1250	1218	97	1223	98
Vanadium	2500	2446	98	2500	2418	97	2466	99
Zinc	2500	2477	99	2500	2507	100	2526	101

(1) Control Limits 90-110 %

Form 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No./Lab Proj. No. **04050709**

Initial Calibration Source:_____SPEX_____

Continuing Calibration Source:____Inorganic Ventures

Concentration units: ug/L

Analyte	Initial Calibration			CCV 5			CCV 6	
	TRUE	FOUND	%R(1)	TRUE	FOUND	% R(1)	FOUND	% R(1)
Aluminum	10000	9601	96	10000	9711	97	9716	97
Arsenic	250	242.1	97	250	242.8	97	242.2	97
Barium	10000	10100	101	10000	10170	102	10120	101
Beryllium	250	243.4	97	250	242.3	97	240.4	96
Chromium	1000	983.4	98	1000	998.2	100	980.1	98
Cobalt	2500	2469	99	2500	2492	100	2483	99
Copper	1250	1212	97	1250	1235	99	1235	99
Iron	5000	4929	99	5000	4988	100	4976	100
Lead	250	249.0	100	250	250.0	100	249.5	100
Manganese	2500	2500	100	2500	2479	99	2461	98
Nickel	2500	2426	97	2500	2463	99	2456	98
Silver	1250	1204	96	1250	1222	98	1219	98
Vanadium	2500	2446	98	2500	2430	97	2412	96
Zinc	2500	2477	99	2500	2531	101	2519	101

(1) Control Limits 90-110 %

FORM 2B
CRDL STANDARDS

Lab Name: York Analytical Laboratories, Inc. SDG No.: **04050709**

ICP Standard Source: Inorganic Ventures Contract:

Concentration Units: ug/L

	Initial			Final		
Analyte	TRUE	FOUND	%R	TRUE	FOUND	% R
Aluminum	--	--	--	--	--	--
Arsenic	20.0	20.2	101	20.0	16.0	80
Barium	--	--	--	--	--	--
Beryllium	10.0	9.7	97	10.0	9.7	97
Chromium	20.0	20.0	100	20.0	20.4	102
Cobalt	100.0	104.7	105	100.0	103.9	104
Copper	50.0	54.0	108	50.0	54.3	109
Iron	--	--	--	--	--	--
Lead	6.0	5.8	97	6.0	6.1	102
Manganese	30.0	31.7	106	30.0	31.6	105
Nickel	80.0	81.3	102	80.0	82.3	103
Silver	20.0	20.4	102	20.0	20.0	100
Vanadium	100.0	98.4	98	100.0	98.6	99
Zinc	40.0	43.8	110	40.0	44.3	111

FORM II - IN

Form 3
BLANKS

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No./Lab Project No. **04050709**

Preparation Blank Matrix: Water

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

06/02 A

	Analyte	Initial Calibration Blank-ug/L Result	C	Continuing Calibration Blanks 1	C	2	C	3	C	Prepa-ration Blank Result	C	M
10	Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P*
20	Zinc	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	P
5	Lead	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Cobalt	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Nickel	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
10	Barium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
5	Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Chromium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Iron	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
10	Vanadium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
10	Aluminum	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
1	Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	P
5	Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P

* Axial ICP

000217

Form 3
BLANKS

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No./Lab Project No. **04050709**

Preparation Blank Matrix: Water

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

06/02 B

	Analyte	Initial Calibration Blank-ug/L Result	C	Continuing Calibration Blanks 4	C	5	C	6	C	Prepa-ration Blank Result	C	M
10	Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P*
20	Zinc	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	P
5	Lead	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Cobalt	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Nickel	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
10	Barium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
5	Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Chromium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Iron	5.0	U	5.0	U	5.0	U	5.0	U	6.3	B	P
10	Vanadium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
10	Aluminum	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
1	Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	P
5	Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
5	Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P

* Axial ICP

000218

FORM 4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: York Analytical Laboratories, Inc. SDG No.: **04050709**

ICS Source: Inorganic Ventures Contract: _____

ICP ID No.: OptimaAX1

Concentration Units: ug/L

	TRUE		Initial Found			Final Found		
Analyte	Sol. A	Sol. B	Sol. A	Sol. AB	% R	Sol. A	Sol. AB	% R
Aluminum	500000		507300		101	507100		101
Arsenic		500.0		542.1	108		509.5	102
Barium		500.0		519.6	104		521.6	104
Beryllium		500.0		497.2	99		497.6	100
Chromium		500.0		489.4	98		492.4	98
Cobalt		500.0		478.9	96		472.5	95
Copper		500.0		545.9	109		553.6	111
Iron	200000		184300		92	186800		93
Lead		1000.0		960.1	96		946.4	95
Manganese		500.0		500.2	100		500.9	100
Nickel		1000.0		985.0	99		980.7	98
Silver		1000.0		1070	107		1078	108
Vanadium		500.0		492.2	98		494.0	99
Zinc		1000.0		936.0	94		948.6	95

FORM IV - IN

Form 5A
SPIKE SAMPLE RECOVERY-AQUEOUS

SAMPLE NO./ID: PGW-2A

Lab Name: York Analytical Labs Contract:_____

Lab Code:_____Case No._____ SDG No. 04050709

Matrix (soil/water):__WATER_____ Lab Sample ID: 04050711-01

Level (low/med):____low_____ Date Received: 05/26/04

% Solids for sample: Not Applicable

Concentration Units (ug/L or mg/kG DRY WEIGHT): ____ug/L_____

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample* Result (SR)	C	MDL	Spike Added(SA)	% R	Q	M
Aluminum	85-115	21.9		1991	U	10.00	2000	98.5		P
Arsenic	85-115	14.9		2032	U	10.00	2000	100.9		P
Barium	85-115	204.2		2229	U	10.00	2000	101.2		P
Beryllium	85-115	0		48.7	U	0.50	50	97.4		P
Chromium	85-115	6		204.6	U	5.00	200	99.3		P
Cobalt	85-115	0		485.2	U	5.00	500	97.0		P
Copper	85-115	0		257.0	U	5.00	250	102.8		P
Iron	85-115	38950		39500	U	5.00	1000	55.0		P
Lead	85-115	0		482.2	U	5.00	500	96.4		P
Manganese	85-115	4956		5386	U	5.00	500	86.0		P
Nickel	85-115	0		488.8	U	5.00	500	97.8		P
Silver	85-115	0		55.1	U	5.00	50	110.2		P
Vanadium	85-115	0		494.4	U	5.00	500	98.9		P
Zinc	85-115	8.4		502.5	U	5.00	500	98.8		P

*= 0.00 is entered for elements "not detected", the associated MDL is listed in the "MDL" column

Comments:

Form 6
DUPLICATES-AQEUOUS

SAMPLE NO./ID: PGW-2A

Lab Name: York Analytical Labs

Contract: _____

Lab Code: _____ Case No. _____

SDG No: **04050709**

Matrix (soil/water): WATER

Lab Sample ID: **04050711-01**

Level (low/med): low

Concentration Units (ug/L or mg/kG DRY WEIGHT): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate(D)	C	RPD	Q	M
Aluminum	80-120	21.9		23.9		8.7		P
Arsenic	80-120	14.9		15.7		5.2		P
Barium	80-120	204.2		204.6		0.2		P
Beryllium	80-120							P
Chromium	80-120	6.0		6.0		0.0		P
Cobalt	80-120							P
Copper	80-120							P
Iron	80-120	38950		38820		0.3		P
Lead	80-120							P
Manganese	80-120	4956		4937		0.4		P
Nickel	80-120							P
Silver	80-120							P
Vanadium	80-120							P
Zinc	80-120	8.4		8.4		0.0		P

Comments: _____

Form 7
LABORATORY CONTROL SAMPLE

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No: **04050709**

ICP ID No. PE3000XL AXIAL 1 LCS SOURCE: ERA Aqueous P-097

Concentration units: ug/L (Aq.)

Analyte	AQUEOUS (ug/L) TRUE	FOUND	Acceptance Limits		%R(1)
Arsenic	108	99.9	93.4	123	92.5
Zinc	639	613.2	571	699	96.0
Lead	312	303.9	278	342	97.4
Cobalt	263	259.4	249	283	98.6
Nickel	176	180.9	159	193	102.8
Barium	269	277.5	248	292	103.2
Manganese	235	234.5	218	253	99.8
Chromium	415	397.5	378	448	95.8
Iron	427	419.1	379	469	98.1
Vanadium	281	254.4	254	296	90.5
Aluminum	800	775.7	701	879	97.0
Beryllium	205	186.9	186	220	91.2
Copper	142	134.9	128	154	95.0
Silver	303	298.1	273	331	98.4

FORM 9

ICP SERIAL DILUTIONS

Lab Name: York Analytical Laboratories, Inc. SAMPLE ID: **04050709-01**

Matrix (soil/water): Water Contract:

ICP ID No.: OptimaAX1 SDG No.: **04050709**

Concentration Units: ug/L

Analyte	Initial Sample Result (I)*	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic							P
Zinc	345.3		383		10.8		P
Lead	299.7		333		10.9		P
Cobalt							P
Nickel							P
Barium	263		272		3.2		P
Manganese	1026		1039		1.3		P
Chromium							P
Iron	63580		65550		3.1		P
Vanadium							P
Aluminum	6140		6465		5.3		P
Beryllium							P
Copper							P
Silver							P

* reported when result is 50 times IDL

FORM IX - IN

YORK
ANALYTICAL LABORATORIES, INC.

Form 1
INORGANIC Analysis Data Sheet
TARGET METALS

Client Sample ID
PGW-1
Sample Type WATER

Matrix: WATER | Date Received: 05/26/04 | SDG: 04050709
Date Analyzed: 06/02/04 | Lab ID: 04050709-01

Percent Solids: n/a
Aqueous sample vol. 100 ml | Level: LOW

CONCENTRATION UNITS: **mg/L** *Hg in mg/L*

Client Sample ID	Lab Sample ID		Results/Qualifier	M
PGW-1	04050709-01	Aluminum	6.14	P
PGW-1	04050709-01	Arsenic	0.006	P
PGW-1	04050709-01	Barium	0.263	P
PGW-1	04050709-01	Beryllium	0.0005 U	P
PGW-1	04050709-01	Chromium	0.034	P
PGW-1	04050709-01	Cobalt	0.009	P
PGW-1	04050709-01	Copper	0.106	P
PGW-1	04050709-01	Iron	63.6	P
PGW-1	04050709-01	Lead	0.3	P
PGW-1	04050709-01	Manganese	1.03	P
PGW-1	04050709-01	Nickel	0.055	P
PGW-1	04050709-01	Silver	0.002 U	P
PGW-1	04050709-01	Vanadium	0.025	P
PGW-1	04050709-01	Zinc	0.345	P
PGW-1	04050709-01	Mercury	0.0002 U	CV

Comments:

YORK
ANALYTICAL LABORATORIES, INC.

Form 1
INORGANIC Analysis Data Sheet
TARGET METALS

Client Sample ID
PGW-2
Sample Type: WATER

Matrix: WATER | Date Received: 05/26/04 | SDG: 04050709
Date Analyzed: 06/02/04 | Lab ID: 04050709-02

Percent Solids: n/a
Aqueous sample vol. 100 ml | Level: LOW

CONCENTRATION UNITS: **mg/L** *Hg in ng/L*

Client Sample ID	Lab Sample ID		Results/Qualifier	M
PGW-2	04050709-02	Aluminum	0.145	P
PGW-2	04050709-02	Arsenic	0.013	P
PGW-2	04050709-02	Barium	0.209	P
PGW-2	04050709-02	Beryllium	0.0005 U	P
PGW-2	04050709-02	Chromium	0.008	P
PGW-2	04050709-02	Cobalt	0.005 U	P
PGW-2	04050709-02	Copper	0.005 U	P
PGW-2	04050709-02	Iron	34.6	P
PGW-2	04050709-02	Lead	0.006	P
PGW-2	04050709-02	Manganese	4.3	P
PGW-2	04050709-02	Nickel	0.005 U	P
PGW-2	04050709-02	Silver	0.002 U	P
PGW-2	04050709-02	Vanadium	0.008	P
PGW-2	04050709-02	Zinc	0.019	P
PGW-2	04050709-02	Mercury	0.0002 U	CV

Comments:

File Description
Sample Info File for TAL Metals

Parameters Common To All Samples

Batch ID	qbi060204b
Volume Units	mL
Weight Units	g

Parameters That Vary With All Samples

	A/S Location	Sample ID	Initial Sample Wt.	Sample Prep. Vol.
001				
002				
003	3	ICV		
004	4	ICB		
005	5	CRI		
006	6	ICS A		
007	7	ICS AB		
008	8	LCS #P-097		
009	9	D LCS S #D-036		
010	10	D BLK SP 06/02		
011	3	CCV-1		
012	4	CCB-1		
013	11	D BLK 06/02A		
014	12	060048-01		
015	13	060048-01 DUP		
016	14	060048-01 SPK		
017	15	060048-02		
018	16	060048-03		
019	17	060048-04		
020	18	060048-05		
021	19	060048-06		
022	20	060048-07		
023	3	CCV-2		
024	4	CCB-2		
025	21	060048-08		
026	22	060048-09		
027	23	060048-10		
028	24	060048-11		
029	25	D BLK 06/02B		
030	26	D LCS Aq #P-097		
031	27	050626-03 SPLP		
032	28	050709-01		
033	29	050709-02		
034	30	050711-01		
035	3	CCV-3		
036	4	CCB-3		
037	31	050711-01 DUP		
038	32	050711-01 SPK		
039	33	050711-02		
040	34	050750-01		
041	35	050750-02		
042	36	050750-03		
043	37	050750-04		
044	38	050750-05		
045	39	050750-06		
046	40	050750-07		
047	3	CCV-4		
048	4	CCB-4		
049	41	050750-08		
050	42	050750-09		
051	43	050750-10		
052	44	050750-11		
053	45	050750-12		
054	46	050750-13		

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055	47	SD 1:5 S 060048-11
056	48	SD 1:5 Aq 050709-01
057	3	CCV-5
058	4	CCB-5
059	5	CRI
060	6	ICS A
061	7	ICS AB
062	3	CCV-6
063	4	CCB-6
064		

	Aliquot Volume	Diluted To Vol.
001		
002		
003		
004		
005		
006		
007		
008		
009		
010		
011		
012		
013		
014		
015		
016		
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026		
027		
028		
029		
030		
031		
032		
033		
034		
035		
036		
037		
038		
039		
040		
041		
042		
043		
044		
045		
046		
047		
048		
049		
050		
051		
052		
053		
054		

000227

Method: TALmCYC-Ca
Results: qbi060204b
Sample Info: 060204b
Method Description: TAL METALS BY AXIAL ICP 10/04/01

IEC: 042804a.iec
Spectra Stored: Yes
User: User1

MSF:
Method Stored: Yes
Date: 6/2/04 9:54:56 AM

Mean Data
ID: IS Init

Seq. No.: 1
Data: Original

A/S Pos: 1
Date: 6/2/04 9:56:54 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Y 371.030	19093179.6	124692.78	0.65%

Mean Data
ID: Calib Blank 1

Seq. No.: 2
Data: Original

A/S Pos: 1
Date: 6/2/04 9:58:38 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	19111693.2	231062.92	1.21%	5.0048	mg/L
As 188.979	-92.4	15.15	16.39%	0	mg/L
Tl 190.800	-184.7	13.15	7.12%	0	mg/L
Se 196.026	375.8	25.77	6.86%	0	mg/L
Zn 206.200	228.0	5.44	2.38%	0	mg/L
Sb 206.833	75.0	10.77	14.36%	0	mg/L
Pb 220.353	191.9	22.43	11.69%	0	mg/L
Cd 226.502	-980.7	43.45	4.43%	0	mg/L
Co 228.616	-200.1	9.67	4.83%	0	mg/L
Ni 232.003	-440.9	22.18	5.03%	0	mg/L
Ba 233.527	-190.9	2.39	1.25%	0	mg/L
Mn 257.610	-16.8	25.82	153.96%	0	mg/L
Cr 267.716	705.5	51.25	7.26%	0	mg/L
Fe 273.955	29.5	6.16	20.89%	0	mg/L
Mg 279.079	-875.8	20.28	2.32%	0	mg/L
V 292.402	1750.1	113.37	6.48%	0	mg/L
Al 308.215	5121.3	35.75	0.70%	0	mg/L
Be 313.107	-12700.7	128.25	1.01%	0	mg/L
Cu 324.754	8367.1	29.33	0.35%	0	mg/L
Ag 338.289	179.9	156.05	86.74%	0	mg/L
Na 330.237	1247.1	185.24	14.85%	0	mg/L
Ca 227.547	-1221.8	37.75	3.09%	0	mg/L
K 766.491	7232.0	346.07	4.79%	0	mg/L

Mean Data
ID: Calib Std 1

Seq. No.: 3
Data: Original

A/S Pos: 2
Date: 6/2/04 10:03:55 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	18111014.2	28478.26	0.16%	4.7428	mg/L
As 188.979	3666.8	6.79	0.19%	1.0000	mg/L
Tl 190.800	2148.5	87.84	4.09%	1.0000	mg/L
Se 196.026	10436.2	15.74	0.15%	1.0000	mg/L
Zn 206.200	676804.0	4379.44	0.65%	5.0000	mg/L
Sb 206.833	1729.4	18.48	1.07%	0.5000	mg/L
Pb 220.353	23889.8	51.91	0.22%	1.0000	mg/L
Cd 226.502	198103.8	1119.65	0.57%	0.5000	mg/L
Co 228.616	217505.9	998.82	0.46%	5.0000	mg/L
Ni 232.003	180570.8	1181.44	0.65%	5.0000	mg/L
Ba 233.527	1999937.9	11476.54	0.57%	20.0000	mg/L
Mn 257.610	4436820.5	27357.30	0.62%	5.0000	mg/L
Cr 267.716	524047.6	3288.90	0.63%	2.0000	mg/L
Fe 273.955	317133.3	1905.64	0.60%	10.0000	mg/L
Mg 279.079	2347053.6	14012.21	0.60%	50.0000	mg/L
V 292.402	3050099.4	20035.95	0.66%	5.0000	mg/L
Al 308.215	388530.6	2363.95	0.61%	20.0000	mg/L
Be 313.107	6292579.7	1975.30	0.03%	0.5000	mg/L
Cu 324.754	897023.4	5850.95	0.65%	2.5000	mg/L
Ag 338.289	441475.3	2872.60	0.65%	2.5000	mg/L
Na 330.237	45936.8	220.91	0.48%	50.0000	mg/L

Ca 227.547	13158.4	32.79	0.25%	50.0000 mg/L	
K 766.491	Saturated				

Mean Data

ID: ICV | Seq. No.: 4 | Sample No.: 3 | A/S Pos: 3
Sample Qty: 1.0000 mL | Prep. Vol.: 1.0 mL | Dilution: 1.0: 1.0
Data: Original | Date: 6/2/04 10:09:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18563810.9	4.8614	0.00197	mg/L				0.04%
As 188.979	817.5	0.2421	0.00315	mg/L	0.2421	0.00315	mg/L	1.30%
Tl 190.800	389.0	0.2459	0.00786	mg/L	0.2459	0.00786	mg/L	3.20%
Se 196.026	2841.9	0.2451	0.00088	mg/L	0.2451	0.00088	mg/L	0.36%
Zn 206.200	335375.8	2.477	0.0095	mg/L	2.477	0.0095	mg/L	0.38%
Sb 206.833	888.7	0.2407	0.00525	mg/L	0.2407	0.00525	mg/L	2.18%
Pb 220.353	6093.2	0.2490	0.00078	mg/L	0.2490	0.00078	mg/L	0.31%
Cd 226.502	48380.7	0.1240	0.00060	mg/L	0.1240	0.00060	mg/L	0.48%
Co 228.616	107290.4	2.469	0.0114	mg/L	2.469	0.0114	mg/L	0.46%
Ni 232.003	87393.4	2.426	0.0103	mg/L	2.426	0.0103	mg/L	0.42%
Ba 233.527	1009729.3	10.10	0.043	mg/L	10.10	0.043	mg/L	0.42%
Mn 257.610	2218797.1	2.500	0.0098	mg/L	2.500	0.0098	mg/L	0.39%
Cr 267.716	258029.6	0.9834	0.00511	mg/L	0.9834	0.00511	mg/L	0.52%
Fe 273.955	156319.1	4.929	0.0188	mg/L	4.929	0.0188	mg/L	0.38%
Mg 279.079	1157863.5	24.68	0.087	mg/L	24.68	0.087	mg/L	0.35%
V 292.402	1492784.5	2.446	0.0096	mg/L	2.446	0.0096	mg/L	0.39%
Al 308.215	189175.2	9.601	0.0489	mg/L	9.601	0.0489	mg/L	0.51%
Be 313.107	3056538.0	0.2434	0.00086	mg/L	0.2434	0.00086	mg/L	0.35%
Cu 324.754	439256.0	1.212	0.0058	mg/L	1.212	0.0058	mg/L	0.48%
Ag 338.289	212701.8	1.204	0.0049	mg/L	1.204	0.0049	mg/L	0.41%
Na 330.237	21818.4	23.06	0.168	mg/L	23.06	0.168	mg/L	0.73%
Ca 227.547	5610.4	23.65	0.181	mg/L	23.65	0.181	mg/L	0.77%
K 766.491	16470764.1							0.34%

Mean Data

ID: ICB | Seq. No.: 5 | Sample No.: 4 | A/S Pos: 4
Sample Qty: 1.0000 mL | Prep. Vol.: 1.0 mL | Dilution: 1.0: 1.0
Data: Original | Date: 6/2/04 10:16:36 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	19067656.0	4.9933	0.02394	mg/L				0.48%
As 188.979	-99.0	-0.0018	0.00244	mg/L	-0.0018	0.00244	mg/L	139.04%
Tl 190.800	-183.4	0.0005	0.00298	mg/L	0.0005	0.00298	mg/L	548.83%
Se 196.026	335.7	-0.0040	0.00427	mg/L	-0.0040	0.00427	mg/L	107.04%
Zn 206.200	252.0	0.0002	0.00015	mg/L	0.0002	0.00015	mg/L	84.68%
Sb 206.833	76.9	0.0006	0.00181	mg/L	0.0006	0.00181	mg/L	316.46%
Pb 220.353	179.5	-0.0005	0.00027	mg/L	-0.0005	0.00027	mg/L	50.76%
Cd 226.502	-912.2	0.0002	0.00012	mg/L	0.0002	0.00012	mg/L	67.55%
Co 228.616	-189.8	0.0002	0.00023	mg/L	0.0002	0.00023	mg/L	97.22%
Ni 232.003	-471.5	-0.0008	0.00089	mg/L	-0.0008	0.00089	mg/L	105.06%
Ba 233.527	-166.8	0.0002	0.00009	mg/L	0.0002	0.00009	mg/L	36.64%
Mn 257.610	40.3	0.0001	0.00001	mg/L	0.0001	0.00001	mg/L	20.37%
Cr 267.716	813.3	0.0004	0.00013	mg/L	0.0004	0.00013	mg/L	32.11%
Fe 273.955	83.6	0.0017	0.00102	mg/L	0.0017	0.00102	mg/L	59.73%
Mg 279.079	-900.2	-0.0005	0.00286	mg/L	-0.0005	0.00286	mg/L	549.94%
V 292.402	1816.4	0.0001	0.00030	mg/L	0.0001	0.00030	mg/L	271.17%
Al 308.215	5118.4	-0.0002	0.00255	mg/L	-0.0002	0.00255	mg/L	>999.9%
Be 313.107	-12600.5	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	115.74%
Cu 324.754	9067.6	0.0020	0.00023	mg/L	0.0020	0.00023	mg/L	11.83%
Ag 338.289	189.8	0.0001	0.00056	mg/L	0.0001	0.00056	mg/L	991.45%
Na 330.237	1350.0	0.1150	0.13695	mg/L	0.1150	0.13695	mg/L	119.04%
Ca 227.547	-1208.7	0.0456	0.00572	mg/L	0.0456	0.00572	mg/L	12.56%
K 766.491	11507.7							3.68%

Mean Data

ID: CRI | Seq. No.: 6 | Sample No.: 5 | A/S Pos: 5
Sample Qty: 1.0000 mL | Prep. Vol.: 1.0 mL | Dilution: 1.0: 1.0
Data: Original | Date: 6/2/04 10:21:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD

Y 371.030	18912361.0	4.9526	0.03992	mg/L			0.81%
As 188.979	-16.6	0.0202	0.00147	mg/L	0.0202	0.00147 mg/L	7.30%
Tl 190.800	-145.7	0.0167	0.00338	mg/L	0.0167	0.00338 mg/L	20.20%
Se 196.026	457.3	0.0081	0.00163	mg/L	0.0081	0.00163 mg/L	20.13%
Zn 206.200	6150.5	0.0438	0.00060	mg/L	0.0438	0.00060 mg/L	1.36%
Sb 206.833	453.1	0.1143	0.00579	mg/L	0.1143	0.00579 mg/L	5.07%
Pb 220.353	329.6	0.0058	0.00055	mg/L	0.0058	0.00055 mg/L	9.39%
Cd 226.502	3151.2	0.0104	0.00006	mg/L	0.0104	0.00006 mg/L	0.54%
Co 228.616	4360.0	0.1047	0.00048	mg/L	0.1047	0.00048 mg/L	0.45%
Ni 232.003	2502.8	0.0813	0.00142	mg/L	0.0813	0.00142 mg/L	1.75%
Ba 233.527	-160.3	0.0003	0.00008	mg/L	0.0003	0.00008 mg/L	24.88%
Mn 257.610	28093.9	0.0317	0.00031	mg/L	0.0317	0.00031 mg/L	0.99%
Cr 267.716	5946.2	0.0200	0.00028	mg/L	0.0200	0.00028 mg/L	1.40%
Fe 273.955	198.3	0.0053	0.00058	mg/L	0.0053	0.00058 mg/L	10.94%
Mg 279.079	-861.6	0.0003	0.00113	mg/L	0.0003	0.00113 mg/L	375.94%
V 292.402	61766.8	0.0984	0.00098	mg/L	0.0984	0.00098 mg/L	1.00%
Al 308.215	5350.1	0.0119	0.00209	mg/L	0.0119	0.00209 mg/L	17.54%
Be 313.107	109621.5	0.0097	0.00009	mg/L	0.0097	0.00009 mg/L	0.97%
Cu 324.754	27564.2	0.0540	0.00075	mg/L	0.0540	0.00075 mg/L	1.38%
Ag 338.289	3776.5	0.0204	0.00025	mg/L	0.0204	0.00025 mg/L	1.25%
Na 330.237	1354.2	0.1198	0.05055	mg/L	0.1198	0.05055 mg/L	42.20%
Ca 227.547	-1189.4	0.1127	0.09288	mg/L	0.1127	0.09288 mg/L	82.44%
K 766.491	14188.4						3.31%

Mean Data

ID: ICS A Seq. No.: 7 Sample No.: 6 A/S Pos: 6
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0 : 1.0
Data: Original Date: 6/2/04 10:26:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	16355151.5	4.2830	0.01212	mg/L				0.28%
As 188.979	-284.9	0.0036	0.00471	mg/L	0.0036	0.00471	mg/L	130.78%
Tl 190.800	-323.4	0.0568	0.00638	mg/L	0.0568	0.00638	mg/L	11.23%
Se 196.026	150.6	-0.0153	0.00333	mg/L	-0.0153	0.00333	mg/L	21.69%
Zn 206.200	2427.3	-0.0085	0.00031	mg/L	-0.0085	0.00031	mg/L	3.68%
Sb 206.833	781.7	0.0125	0.01374	mg/L	0.0125	0.01374	mg/L	110.00%
Pb 220.353	-1323.9	-0.0066	0.00084	mg/L	-0.0066	0.00084	mg/L	12.69%
Cd 226.502	4530.4	0.0006	0.00038	mg/L	0.0006	0.00038	mg/L	58.69%
Co 228.616	0.1	0.0046	0.00092	mg/L	0.0046	0.00092	mg/L	20.08%
Ni 232.003	5457.5	-0.0069	0.00266	mg/L	-0.0069	0.00266	mg/L	38.60%
Ba 233.527	-479.0	-0.0029	0.00025	mg/L	-0.0029	0.00025	mg/L	8.61%
Mn 257.610	2840.7	-0.0067	0.00003	mg/L	-0.0067	0.00003	mg/L	0.50%
Cr 267.716	4769.7	0.0019	0.00036	mg/L	0.0019	0.00036	mg/L	19.07%
Fe 273.955	5845521.8	184.3	0.67	mg/L	184.3	0.67	mg/L	0.36%
Mg 279.079	23990278.4	510.9	0.90	mg/L	510.9	0.90	mg/L	0.18%
V 292.402	26527.7	0.0042	0.00009	mg/L	0.0042	0.00009	mg/L	2.15%
Al 308.215	9732523.1	507.3	0.17	mg/L	507.3	0.17	mg/L	0.03%
Be 313.107	-15378.1	-0.0002	0.00002	mg/L	-0.0002	0.00002	mg/L	7.34%
Cu 324.754	1147.3	0.0047	0.00067	mg/L	0.0047	0.00067	mg/L	14.23%
Ag 338.289	-1151.2	-0.0025	0.00030	mg/L	-0.0025	0.00030	mg/L	11.99%
Na 330.237	494.3	0.4763	0.07826	mg/L	0.4763	0.07826	mg/L	16.43%
Ca 227.547	152391.5	530.4	4.70	mg/L	530.4	4.70	mg/L	0.89%
K 766.491	33014.1							2.00%

Mean Data

ID: ICS AB Seq. No.: 8 Sample No.: 7 A/S Pos: 7
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0 : 1.0
Data: Original Date: 6/2/04 10:32:15 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	16292803.9	4.2667	0.02010	mg/L				0.47%
As 188.979	1738.6	0.5421	0.01073	mg/L	0.5421	0.01073	mg/L	1.98%
Tl 190.800	775.9	0.5276	0.06500	mg/L	0.5276	0.06500	mg/L	12.32%
Se 196.026	5480.0	0.5154	0.01371	mg/L	0.5154	0.01371	mg/L	2.66%
Zn 206.200	130230.5	0.9360	0.01092	mg/L	0.9360	0.01092	mg/L	1.17%
Sb 206.833	2440.0	0.5122	0.01664	mg/L	0.5122	0.01664	mg/L	3.25%
Pb 220.353	21595.6	0.9601	0.00509	mg/L	0.9601	0.00509	mg/L	0.53%
Cd 226.502	394133.0	0.9790	0.01135	mg/L	0.9790	0.01135	mg/L	1.16%
Co 228.616	20651.8	0.4789	0.00102	mg/L	0.4789	0.00102	mg/L	0.21%
Ni 232.003	41411.0	0.9850	0.00424	mg/L	0.9850	0.00424	mg/L	0.43%

Ba 233.527	51769.3	0.5196	0.00133 mg/L	0.5196	0.00133 mg/L	0.26%
Mn 257.610	452618.7	0.5002	0.00608 mg/L	0.5002	0.00608 mg/L	1.22%
Cr 267.716	132303.3	0.4894	0.00626 mg/L	0.4894	0.00626 mg/L	1.28%
Fe 273.955	5891442.4	185.7	2.07 mg/L	185.7	2.07 mg/L	1.11%
Mg 279.079	23883255.8	508.6	0.17 mg/L	508.6	0.17 mg/L	0.03%
V 292.402	324202.5	0.4922	0.00557 mg/L	0.4922	0.00557 mg/L	1.13%
Al 308.215	9690627.5	505.2	0.23 mg/L	505.2	0.23 mg/L	0.04%
Be 313.107	6257098.7	0.4972	0.00009 mg/L	0.4972	0.00009 mg/L	0.02%
Cu 324.754	193477.3	0.5459	0.00698 mg/L	0.5459	0.00698 mg/L	1.28%
Ag 338.289	188201.6	1.070	0.0152 mg/L	1.070	0.0152 mg/L	1.42%
Na 330.237	3659.4	4.018	0.0806 mg/L	4.018	0.0806 mg/L	2.01%
Ca 227.547	151559.7	527.5	6.48 mg/L	527.5	6.48 mg/L	1.23%
K 766.491	239726.9					1.77%

Mean Data

ID: LCS #P-097 Seq. No.: 9 Sample No.: 8 A/S Pos: 8
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 10:39:23 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	19105595.3	5.0033	0.04236	mg/L				0.85%
As 188.979	292.3	0.1023	0.00125	mg/L	0.1023	0.00125	mg/L	1.23%
Tl 190.800	476.0	0.2832	0.00629	mg/L	0.2832	0.00629	mg/L	2.22%
Se 196.026	3653.9	0.3258	0.00171	mg/L	0.3258	0.00171	mg/L	0.52%
Zn 206.200	86230.9	0.6356	0.01468	mg/L	0.6356	0.01468	mg/L	2.31%
Sb 206.833	897.7	0.2486	0.00271	mg/L	0.2486	0.00271	mg/L	1.09%
Pb 220.353	7626.7	0.3137	0.00201	mg/L	0.3137	0.00201	mg/L	0.64%
Cd 226.502	9601.8	0.0266	0.00022	mg/L	0.0266	0.00022	mg/L	0.81%
Co 228.616	11586.2	0.2707	0.00214	mg/L	0.2707	0.00214	mg/L	0.79%
Ni 232.003	6292.5	0.1860	0.00167	mg/L	0.1860	0.00167	mg/L	0.90%
Ba 233.527	28488.6	0.2868	0.00251	mg/L	0.2868	0.00251	mg/L	0.87%
Mn 257.610	216289.5	0.2438	0.00590	mg/L	0.2438	0.00590	mg/L	2.42%
Cr 267.716	108244.5	0.4110	0.00994	mg/L	0.4110	0.00994	mg/L	2.42%
Fe 273.955	13859.0	0.4361	0.00314	mg/L	0.4361	0.00314	mg/L	0.72%
Mg 279.079	-683.4	0.0041	0.00085	mg/L	0.0041	0.00085	mg/L	20.83%
V 292.402	162057.2	0.2629	0.00613	mg/L	0.2629	0.00613	mg/L	2.33%
Al 308.215	20080.4	0.7803	0.02194	mg/L	0.7803	0.02194	mg/L	2.81%
Be 313.107	2441754.9	0.1946	0.00081	mg/L	0.1946	0.00081	mg/L	0.42%
Cu 324.754	57905.5	0.1394	0.00372	mg/L	0.1394	0.00372	mg/L	2.67%
Ag 338.289	54814.4	0.3095	0.00844	mg/L	0.3095	0.00844	mg/L	2.73%
Na 330.237	1758.5	0.5721	0.06668	mg/L	0.5721	0.06668	mg/L	11.66%
Ca 227.547	-1155.4	0.2309	0.09726	mg/L	0.2309	0.09726	mg/L	42.12%
K 766.491	57914.0							3.55%

Mean Data

ID: D LCS S #D-036 Seq. No.: 10 Sample No.: 9 A/S Pos: 9
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 10:46:40 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18425126.7	4.8251	0.00792	mg/L				0.16%
As 188.979	10006.8	2.706	0.0124	mg/L	2.706	0.0124	mg/L	0.46%
Tl 190.800	1765.6	0.8495	0.04533	mg/L	0.8495	0.04533	mg/L	5.34%
Se 196.026	12284.0	1.217	0.0036	mg/L	1.217	0.0036	mg/L	0.30%
Zn 206.200	191172.9	1.411	0.0007	mg/L	1.411	0.0007	mg/L	0.05%
Sb 206.833	4405.4	1.211	0.0137	mg/L	1.211	0.0137	mg/L	1.13%
Pb 220.353	19170.8	0.8017	0.00518	mg/L	0.8017	0.00518	mg/L	0.65%
Cd 226.502	197483.8	0.4918	0.00038	mg/L	0.4918	0.00038	mg/L	0.08%
Co 228.616	51462.5	1.187	0.0049	mg/L	1.187	0.0049	mg/L	0.41%
Ni 232.003	23590.7	0.5809	0.00385	mg/L	0.5809	0.00385	mg/L	0.66%
Ba 233.527	519588.7	5.197	0.0057	mg/L	5.197	0.0057	mg/L	0.11%
Mn 257.610	3835231.9	4.322	0.0053	mg/L	4.322	0.0053	mg/L	0.12%
Cr 267.716	152898.7	0.5816	0.00159	mg/L	0.5816	0.00159	mg/L	0.27%
Fe 273.955	2956656.1	93.24	0.099	mg/L	93.24	0.099	mg/L	0.11%
Mg 279.079	894313.3	19.06	0.025	mg/L	19.06	0.025	mg/L	0.13%
V 292.402	694339.4	1.118	0.0021	mg/L	1.118	0.0021	mg/L	0.19%
Al 308.215	1035937.8	53.77	0.086	mg/L	53.77	0.086	mg/L	0.16%
Be 313.107	5377179.0	0.4274	0.00075	mg/L	0.4274	0.00075	mg/L	0.18%
Cu 324.754	602203.8	1.683	0.0032	mg/L	1.683	0.0032	mg/L	0.19%
Ag 338.289	154431.6	0.8791	0.00355	mg/L	0.8791	0.00355	mg/L	0.40%

Na 330.237	6253.2	5.954	0.1999	mg/L	5.954	0.1999 mg/L	3.36%
Ca 227.547	8495.1	31.77	0.204	mg/L	31.77	0.204 mg/L	0.64%
K 766.491	11517786.2						0.21%

Mean Data

ID: D BLK SP 06/02 Seq. No.: 11 Sample No.: 10 A/S Pos: 10
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 10:53:40 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	18852827.6	4.9371	0.01883	mg/L				0.38%
As 188.979	7121.9	1.919	0.0155	mg/L	1.919	0.0155	mg/L	0.81%
Tl 190.800	4279.1	1.913	0.0605	mg/L	1.913	0.0605	mg/L	3.16%
Se 196.026	18826.4	1.834	0.0195	mg/L	1.834	0.0195	mg/L	1.06%
Zn 206.200	67048.9	0.4938	0.00263	mg/L	0.4938	0.00263	mg/L	0.53%
Sb 206.833	839.7	0.2311	0.00428	mg/L	0.2311	0.00428	mg/L	1.85%
Pb 220.353	11913.2	0.4946	0.00332	mg/L	0.4946	0.00332	mg/L	0.67%
Cd 226.502	18468.7	0.0488	0.00031	mg/L	0.0488	0.00031	mg/L	0.63%
Co 228.616	21721.9	0.5035	0.00176	mg/L	0.5035	0.00176	mg/L	0.35%
Ni 232.003	17275.1	0.4894	0.00180	mg/L	0.4894	0.00180	mg/L	0.37%
Ba 233.527	206656.6	2.068	0.0139	mg/L	2.068	0.0139	mg/L	0.67%
Mn 257.610	447894.9	0.5048	0.00341	mg/L	0.5048	0.00341	mg/L	0.68%
Cr 267.716	52323.2	0.1973	0.00124	mg/L	0.1973	0.00124	mg/L	0.63%
Fe 273.955	31269.1	0.9852	0.00548	mg/L	0.9852	0.00548	mg/L	0.56%
Mg 279.079	-910.2	-0.0007	0.00184	mg/L	-0.0007	0.00184	mg/L	251.77%
V 292.402	290348.9	0.4734	0.00333	mg/L	0.4734	0.00333	mg/L	0.70%
Al 308.215	40118.8	1.826	0.0165	mg/L	1.826	0.0165	mg/L	0.90%
Be 313.107	577731.5	0.0468	0.00029	mg/L	0.0468	0.00029	mg/L	0.61%
Cu 324.754	99783.1	0.2572	0.00222	mg/L	0.2572	0.00222	mg/L	0.86%
Ag 338.289	9320.4	0.0518	0.00098	mg/L	0.0518	0.00098	mg/L	1.89%
Na 330.237	1625.4	0.4232	0.03291	mg/L	0.4232	0.03291	mg/L	7.78%
Ca 227.547	-1198.6	0.0590	0.01806	mg/L	0.0590	0.01806	mg/L	30.64%
K 766.491	12298.1							5.62%

Mean Data

ID: CCV-1 Seq. No.: 12 Sample No.: 11 A/S Pos: 3
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 11:00:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	18413342.7	4.8220	0.01266	mg/L				0.26%
As 188.979	833.6	0.2463	0.00217	mg/L	0.2463	0.00217	mg/L	0.88%
Tl 190.800	414.2	0.2567	0.00914	mg/L	0.2567	0.00914	mg/L	3.56%
Se 196.026	2845.8	0.2455	0.00063	mg/L	0.2455	0.00063	mg/L	0.26%
Zn 206.200	337671.0	2.494	0.0149	mg/L	2.494	0.0149	mg/L	0.60%
Sb 206.833	883.5	0.2392	0.00505	mg/L	0.2392	0.00505	mg/L	2.11%
Pb 220.353	6109.9	0.2497	0.00057	mg/L	0.2497	0.00057	mg/L	0.23%
Cd 226.502	48524.7	0.1243	0.00046	mg/L	0.1243	0.00046	mg/L	0.37%
Co 228.616	107957.2	2.484	0.0206	mg/L	2.484	0.0206	mg/L	0.83%
Ni 232.003	87854.2	2.439	0.0175	mg/L	2.439	0.0175	mg/L	0.72%
Ba 233.527	1009671.7	10.10	0.122	mg/L	10.10	0.122	mg/L	1.21%
Mn 257.610	2214317.6	2.495	0.0315	mg/L	2.495	0.0315	mg/L	1.26%
Cr 267.716	259761.8	0.9900	0.00718	mg/L	0.9900	0.00718	mg/L	0.73%
Fe 273.955	157336.9	4.961	0.0356	mg/L	4.961	0.0356	mg/L	0.72%
Mg 279.079	1155616.7	24.63	0.286	mg/L	24.63	0.286	mg/L	1.16%
V 292.402	1490409.5	2.442	0.0329	mg/L	2.442	0.0329	mg/L	1.35%
Al 308.215	190552.4	9.673	0.0883	mg/L	9.673	0.0883	mg/L	0.91%
Be 313.107	3052104.2	0.2430	0.00313	mg/L	0.2430	0.00313	mg/L	1.29%
Cu 324.754	442329.1	1.221	0.0092	mg/L	1.221	0.0092	mg/L	0.75%
Ag 338.289	214087.6	1.212	0.0087	mg/L	1.212	0.0087	mg/L	0.72%
Na 330.237	22025.8	23.29	0.256	mg/L	23.29	0.256	mg/L	1.10%
Ca 227.547	5707.1	23.98	0.128	mg/L	23.98	0.128	mg/L	0.53%
K 766.491	16527548.2							0.38%

Mean Data

ID: CCB-1 Seq. No.: 13 Sample No.: 12 A/S Pos: 4
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 11:08:10 AM

	Mean Corr.	Mean	Calib	Mean	Sample

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
Y 371.030	19167511.0	5.0195	0.00646	mg/L				0.13%
As 188.979	-97.4	-0.0013	0.00279	mg/L	-0.0013	0.00279	mg/L	209.77%
Tl 190.800	-183.2	0.0007	0.00181	mg/L	0.0007	0.00181	mg/L	271.91%
Se 196.026	329.2	-0.0046	0.00287	mg/L	-0.0046	0.00287	mg/L	61.97%
Zn 206.200	265.3	0.0003	0.00009	mg/L	0.0003	0.00009	mg/L	34.44%
Sb 206.833	72.7	-0.0007	0.00350	mg/L	-0.0007	0.00350	mg/L	500.69%
Pb 220.353	168.6	-0.0010	0.00056	mg/L	-0.0010	0.00056	mg/L	57.15%
Cd 226.502	-930.2	0.0001	0.00006	mg/L	0.0001	0.00006	mg/L	48.26%
Co 228.616	-170.7	0.0007	0.00057	mg/L	0.0007	0.00057	mg/L	84.88%
Ni 232.003	-428.2	0.0004	0.00057	mg/L	0.0004	0.00057	mg/L	161.64%
Ba 233.527	-167.4	0.0002	0.00010	mg/L	0.0002	0.00010	mg/L	43.31%
Mn 257.610	36.9	0.0001	0.00002	mg/L	0.0001	0.00002	mg/L	41.30%
Cr 267.716	750.2	0.0002	0.00029	mg/L	0.0002	0.00029	mg/L	168.25%
Fe 273.955	67.2	0.0012	0.00081	mg/L	0.0012	0.00081	mg/L	68.44%
Mg 279.079	-671.4	0.0044	0.00238	mg/L	0.0044	0.00238	mg/L	54.67%
V 292.402	1814.4	0.0001	0.00013	mg/L	0.0001	0.00013	mg/L	118.87%
Al 308.215	5156.1	0.0018	0.00363	mg/L	0.0018	0.00363	mg/L	200.24%
Be 313.107	-12554.8	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	49.90%
Cu 324.754	8770.0	0.0011	0.00048	mg/L	0.0011	0.00048	mg/L	42.44%
Ag 338.289	233.8	0.0003	0.00103	mg/L	0.0003	0.00103	mg/L	337.29%
Na 330.237	1395.7	0.1663	0.20098	mg/L	0.1663	0.20098	mg/L	120.87%
Ca 227.547	-1161.2	0.2106	0.05896	mg/L	0.2106	0.05896	mg/L	27.99%
K 766.491	13665.5							5.42%

Mean Data

ID: D BLK 06/02A
Sample Qty: 1.0000 mL
Seq. No.: 14 Sample No.: 13
Prep. Vol.: 1.0 mL
Data: Original
A/S Pos: 11
Dilution: 1.0: 1.0
Date: 6/2/04 11:13:15 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	19029417.1	4.9833	0.02206	mg/L				0.44%
As 188.979	-92.2	0.0000	0.00488	mg/L	0.0000	0.00488	mg/L	>999.9%
Tl 190.800	-181.1	0.0015	0.00396	mg/L	0.0015	0.00396	mg/L	257.45%
Se 196.026	382.8	0.0007	0.00224	mg/L	0.0007	0.00224	mg/L	324.35%
Zn 206.200	262.0	0.0003	0.00005	mg/L	0.0003	0.00005	mg/L	19.55%
Sb 206.833	78.5	0.0011	0.00218	mg/L	0.0011	0.00218	mg/L	206.86%
Pb 220.353	185.9	-0.0003	0.00084	mg/L	-0.0003	0.00084	mg/L	332.80%
Cd 226.502	-948.6	0.0001	0.00006	mg/L	0.0001	0.00006	mg/L	77.71%
Co 228.616	-183.3	0.0004	0.00022	mg/L	0.0004	0.00022	mg/L	55.71%
Ni 232.003	-434.0	0.0002	0.00090	mg/L	0.0002	0.00090	mg/L	475.29%
Ba 233.527	-165.8	0.0003	0.00006	mg/L	0.0003	0.00006	mg/L	25.63%
Mn 257.610	0.7	0.0000	0.00005	mg/L	0.0000	0.00005	mg/L	267.34%
Cr 267.716	716.6	0.0000	0.00029	mg/L	0.0000	0.00029	mg/L	679.13%
Fe 273.955	52.0	0.0007	0.00019	mg/L	0.0007	0.00019	mg/L	26.60%
Mg 279.079	-853.4	0.0005	0.00115	mg/L	0.0005	0.00115	mg/L	240.95%
V 292.402	1569.0	-0.0003	0.00041	mg/L	-0.0003	0.00041	mg/L	136.77%
Al 308.215	5182.6	0.0032	0.00149	mg/L	0.0032	0.00149	mg/L	46.56%
Be 313.107	-12720.9	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	623.99%
Cu 324.754	8694.6	0.0009	0.00030	mg/L	0.0009	0.00030	mg/L	32.66%
Ag 338.289	127.5	-0.0003	0.00050	mg/L	-0.0003	0.00050	mg/L	169.71%
Na 330.237	1333.9	0.0971	0.07908	mg/L	0.0971	0.07908	mg/L	81.46%
Ca 227.547	-1188.4	0.1161	0.12925	mg/L	0.1161	0.12925	mg/L	111.31%
K 766.491	11169.1							3.41%

Mean Data

ID: 060048-01
Sample Qty: 1.0000 mL
Seq. No.: 15 Sample No.: 14
Prep. Vol.: 1.0 mL
Data: Original
A/S Pos: 12
Dilution: 1.0: 1.0
Date: 6/2/04 11:18:30 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	18174903.4	4.7595	0.03536	mg/L				0.74%
As 188.979	30.8	0.0677	0.00289	mg/L	0.0677	0.00289	mg/L	4.27%
Tl 190.800	-476.7	-0.0850	0.01265	mg/L	-0.0850	0.01265	mg/L	14.87%
Se 196.026	-17.6	0.0131	0.00668	mg/L	0.0131	0.00668	mg/L	51.02%
Zn 206.200	84512.6	0.6150	0.00772	mg/L	0.6150	0.00772	mg/L	1.25%
Sb 206.833	695.6	0.0145	0.00730	mg/L	0.0145	0.00730	mg/L	50.22%
Pb 220.353	11440.9	0.4827	0.00380	mg/L	0.4827	0.00380	mg/L	0.79%
Cd 226.502	4926.2	0.0030	0.00018	mg/L	0.0030	0.00018	mg/L	5.83%
Co 228.616	3409.6	0.0829	0.00111	mg/L	0.0829	0.00111	mg/L	1.34%

Ni 232.003	12346.2	0.2066	0.00410 mg/L	0.2066	0.00410 mg/L	1.99%
Ba 233.527	58574.2	0.5876	0.00799 mg/L	0.5876	0.00799 mg/L	1.36%
Mn 257.610	3306694.0	3.726	0.0388 mg/L	3.726	0.0388 mg/L	1.04%
Cr 267.716	53373.4	0.2033	0.00431 mg/L	0.2033	0.00431 mg/L	2.12%
Fe 273.955	5228047.9	164.9	1.68 mg/L	164.9	1.68 mg/L	1.02%
Mg 279.079	1988873.7	42.37	0.412 mg/L	42.37	0.412 mg/L	0.97%
V 292.402	229756.6	0.3414	0.00469 mg/L	0.3414	0.00469 mg/L	1.38%
Al 308.215	2592283.4	134.9	1.59 mg/L	134.9	1.59 mg/L	1.18%
Be 313.107	-145035.3	-0.0105	0.00014 mg/L	-0.0105	0.00014 mg/L	1.37%
Cu 324.754	125206.9	0.3498	0.00491 mg/L	0.3498	0.00491 mg/L	1.40%
Ag 338.289	-5766.9	-0.0244	0.00027 mg/L	-0.0244	0.00027 mg/L	1.12%
Na 330.237	4778.8	4.547	0.2485 mg/L	4.547	0.2485 mg/L	5.46%
Ca 227.547	5638.8	20.32	0.109 mg/L	20.32	0.109 mg/L	0.53%
K 766.491	8586980.7					0.34%

Mean Data

ID: 060048-01 DUP Seq. No.: 16 Sample No.: 15 A/S Pos: 13
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 11:23:59 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18122822.2	4.7459	0.02068	mg/L				0.44%
As 188.979	27.7	0.0671	0.00639	mg/L	0.0671	0.00639	mg/L	9.53%
Tl 190.800	-480.6	-0.0864	0.01074	mg/L	-0.0864	0.01074	mg/L	12.42%
Se 196.026	-71.9	0.0080	0.00622	mg/L	0.0080	0.00622	mg/L	77.95%
Zn 206.200	85195.9	0.6200	0.00443	mg/L	0.6200	0.00443	mg/L	0.71%
Sb 206.833	692.2	0.0125	0.00438	mg/L	0.0125	0.00438	mg/L	34.96%
Pb 220.353	11360.3	0.4794	0.00125	mg/L	0.4794	0.00125	mg/L	0.26%
Cd 226.502	4926.9	0.0030	0.00010	mg/L	0.0030	0.00010	mg/L	3.33%
Co 228.616	3392.8	0.0825	0.00062	mg/L	0.0825	0.00062	mg/L	0.75%
Ni 232.003	12465.1	0.2091	0.00641	mg/L	0.2091	0.00641	mg/L	3.07%
Ba 233.527	59025.1	0.5921	0.00452	mg/L	0.5921	0.00452	mg/L	0.76%
Mn 257.610	3326423.1	3.749	0.0107	mg/L	3.749	0.0107	mg/L	0.29%
Cr 267.716	53883.9	0.2063	0.00121	mg/L	0.2063	0.00121	mg/L	0.58%
Fe 273.955	5257442.9	165.8	0.40	mg/L	165.8	0.40	mg/L	0.24%
Mg 279.079	2000063.4	42.61	0.084	mg/L	42.61	0.084	mg/L	0.20%
V 292.402	231917.9	0.3447	0.00314	mg/L	0.3447	0.00314	mg/L	0.91%
Al 308.215	2608441.9	135.8	0.51	mg/L	135.8	0.51	mg/L	0.38%
Be 313.107	-147422.9	-0.0107	0.00013	mg/L	-0.0107	0.00013	mg/L	1.21%
Cu 324.754	126485.2	0.3536	0.00279	mg/L	0.3536	0.00279	mg/L	0.79%
Ag 338.289	-5804.4	-0.0246	0.00044	mg/L	-0.0246	0.00044	mg/L	1.78%
Na 330.237	4872.6	4.655	0.1102	mg/L	4.655	0.1102	mg/L	2.37%
Ca 227.547	5617.5	20.23	0.148	mg/L	20.23	0.148	mg/L	0.73%
K 766.491	8568891.1							0.39%

Mean Data

ID: 060048-01 SPK Seq. No.: 17 Sample No.: 16 A/S Pos: 14
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 11:29:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	17866642.8	4.6788	0.01080	mg/L				0.23%
As 188.979	7580.6	2.076	0.0370	mg/L	2.076	0.0370	mg/L	1.78%
Tl 190.800	3975.8	1.824	0.2437	mg/L	1.824	0.2437	mg/L	13.36%
Se 196.026	19527.1	1.956	0.0288	mg/L	1.956	0.0288	mg/L	1.47%
Zn 206.200	151053.0	1.107	0.0046	mg/L	1.107	0.0046	mg/L	0.42%
Sb 206.833	1462.3	0.2447	0.01198	mg/L	0.2447	0.01198	mg/L	4.90%
Pb 220.353	23130.5	0.9763	0.01076	mg/L	0.9763	0.01076	mg/L	1.10%
Cd 226.502	24001.0	0.0508	0.00076	mg/L	0.0508	0.00076	mg/L	1.49%
Co 228.616	25216.1	0.5837	0.00818	mg/L	0.5837	0.00818	mg/L	1.40%
Ni 232.003	30479.9	0.7062	0.00706	mg/L	0.7062	0.00706	mg/L	1.00%
Ba 233.527	269463.8	2.696	0.0101	mg/L	2.696	0.0101	mg/L	0.37%
Mn 257.610	3756099.4	4.233	0.0166	mg/L	4.233	0.0166	mg/L	0.39%
Cr 267.716	105607.2	0.4039	0.00088	mg/L	0.4039	0.00088	mg/L	0.22%
Fe 273.955	5274057.1	166.3	0.61	mg/L	166.3	0.61	mg/L	0.37%
Mg 279.079	1992603.4	42.45	0.167	mg/L	42.45	0.167	mg/L	0.39%
V 292.402	526010.2	0.8270	0.00353	mg/L	0.8270	0.00353	mg/L	0.43%
Al 308.215	2636177.6	137.2	0.56	mg/L	137.2	0.56	mg/L	0.41%
Be 313.107	471616.4	0.0384	0.00013	mg/L	0.0384	0.00013	mg/L	0.34%
Cu 324.754	221069.3	0.6197	0.00262	mg/L	0.6197	0.00262	mg/L	0.42%

Ag 338.289	3701.4	0.0293	0.00037 mg/L	0.0293	0.00037 mg/L	1.27%
Na 330.237	5269.2	5.101	0.1800 mg/L	5.101	0.1800 mg/L	3.53%
Ca 227.547	5649.6	20.33	0.044 mg/L	20.33	0.044 mg/L	0.22%
K 766.491	8630665.7					0.25%

Mean Data

ID: 060048-02 Seq. No.: 18 Sample No.: 17 A/S Pos: 15
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0 : 1.0
Data: Original Date: 6/2/04 11:36:32 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18033058.2	4.7224	0.02698	mg/L				0.57%
As 188.979	269.4	0.1431	0.00394	mg/L	0.1431	0.00394	mg/L	2.76%
Tl 190.800	-399.5	-0.0602	0.00787	mg/L	-0.0602	0.00787	mg/L	13.07%
Se 196.026	-285.0	0.0190	0.00585	mg/L	0.0190	0.00585	mg/L	30.78%
Zn 206.200	1999622.7	14.77	0.040	mg/L	14.77	0.040	mg/L	0.27%
Sb 206.833	961.5	0.0360	0.00540	mg/L	0.0360	0.00540	mg/L	15.00%
Pb 220.353	244073.2	10.29	0.081	mg/L	10.29	0.081	mg/L	0.79%
Cd 226.502	6914.7	0.0040	0.00006	mg/L	0.0040	0.00006	mg/L	1.45%
Co 228.616	8452.6	0.1987	0.00136	mg/L	0.1987	0.00136	mg/L	0.69%
Ni 232.003	64935.1	1.609	0.0185	mg/L	1.609	0.0185	mg/L	1.15%
Ba 233.527	142448.6	1.426	0.0111	mg/L	1.426	0.0111	mg/L	0.78%
Mn 257.610	3660496.0	4.125	0.0090	mg/L	4.125	0.0090	mg/L	0.22%
Cr 267.716	109476.9	0.4197	0.00330	mg/L	0.4197	0.00330	mg/L	0.79%
Fe 273.955	7006655.9	221.0	0.55	mg/L	221.0	0.55	mg/L	0.25%
Mg 279.079	2549146.4	54.30	0.169	mg/L	54.30	0.169	mg/L	0.31%
V 292.402	190070.6	0.2652	0.00216	mg/L	0.2652	0.00216	mg/L	0.81%
Al 308.215	1804631.0	93.85	0.271	mg/L	93.85	0.271	mg/L	0.29%
Be 313.107	242352.4	0.0202	0.00006	mg/L	0.0202	0.00006	mg/L	0.29%
Cu 324.754	1469758.9	4.140	0.0122	mg/L	4.140	0.0122	mg/L	0.30%
Ag 338.289	-4044.8	-0.0115	0.00035	mg/L	-0.0115	0.00035	mg/L	3.09%
Na 330.237	16585.5	17.97	0.145	mg/L	17.97	0.145	mg/L	0.81%
Ca 227.547	16704.6	57.54	0.420	mg/L	57.54	0.420	mg/L	0.73%
K 766.491	8466950.9							0.33%

Mean Data

ID: 060048-03 Seq. No.: 19 Sample No.: 18 A/S Pos: 16
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0 : 1.0
Data: Original Date: 6/2/04 11:44:06 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	17715999.5	4.6394	0.00553	mg/L				0.12%
As 188.979	-118.7	0.0805	0.00960	mg/L	0.0805	0.00960	mg/L	11.92%
Tl 190.800	-397.0	-0.0492	0.01467	mg/L	-0.0492	0.01467	mg/L	29.81%
Se 196.026	-998.8	0.0335	0.00650	mg/L	0.0335	0.00650	mg/L	19.38%
Zn 206.200	6201567.4	45.82	0.421	mg/L	45.82	0.421	mg/L	0.92%
Sb 206.833	1805.1	0.0894	0.01096	mg/L	0.0894	0.01096	mg/L	12.26%
Pb 220.353	266489.1	11.22	0.050	mg/L	11.22	0.050	mg/L	0.45%
Cd 226.502	14195.3	0.0086	0.00020	mg/L	0.0086	0.00020	mg/L	2.39%
Co 228.616	20860.9	0.4837	0.00174	mg/L	0.4837	0.00174	mg/L	0.36%
Ni 232.003	184057.8	4.729	0.0217	mg/L	4.729	0.0217	mg/L	0.46%
Ba 233.527	334121.7	3.343	0.0136	mg/L	3.343	0.0136	mg/L	0.41%
Mn 257.610	5152442.8	5.806	0.0629	mg/L	5.806	0.0629	mg/L	1.08%
Cr 267.716	204998.1	0.7883	0.00236	mg/L	0.7883	0.00236	mg/L	0.30%
Fe 273.955	13096911.9	413.0	0.41	mg/L	413.0	0.41	mg/L	0.10%
Mg 279.079	2018570.5	43.00	0.444	mg/L	43.00	0.444	mg/L	1.03%
V 292.402	199797.1	0.2432	0.00121	mg/L	0.2432	0.00121	mg/L	0.50%
Al 308.215	2022709.4	105.2	1.30	mg/L	105.2	1.30	mg/L	1.23%
Be 313.107	1110379.0	0.0891	0.00098	mg/L	0.0891	0.00098	mg/L	1.10%
Cu 324.754	3939504.2	11.11	0.141	mg/L	11.11	0.141	mg/L	1.27%
Ag 338.289	-3144.8	0.0044	0.00072	mg/L	0.0044	0.00072	mg/L	16.38%
Na 330.237	41124.4	46.06	0.276	mg/L	46.06	0.276	mg/L	0.60%
Ca 227.547	21768.1	70.95	0.338	mg/L	70.95	0.338	mg/L	0.48%
K 766.491	6338470.0							0.45%

Mean Data

ID: 060048-04 Seq. No.: 20 Sample No.: 19 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0 : 1.0
Data: Original Date: 6/2/04 11:51:40 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	17450663.0	4.5699	0.02318	mg/L				0.51%
As 188.979	-56.3	0.0727	0.00679	mg/L	0.0727	0.00679	mg/L	9.34%
Tl 190.800	-389.1	-0.0522	0.00748	mg/L	-0.0522	0.00748	mg/L	14.32%
Se 196.026	-569.9	0.0252	0.00530	mg/L	0.0252	0.00530	mg/L	21.03%
Zn 206.200	3040810.8	22.46	0.238	mg/L	22.46	0.238	mg/L	1.06%
Sb 206.833	1310.6	0.0607	0.00659	mg/L	0.0607	0.00659	mg/L	10.85%
Pb 220.353	201670.4	8.492	0.1260	mg/L	8.492	0.1260	mg/L	1.48%
Cd 226.502	9952.8	0.0061	0.00041	mg/L	0.0061	0.00041	mg/L	6.69%
Co 228.616	15056.7	0.3504	0.00194	mg/L	0.3504	0.00194	mg/L	0.55%
Ni 232.003	168757.9	4.409	0.0875	mg/L	4.409	0.0875	mg/L	1.98%
Ba 233.527	227440.6	2.276	0.0366	mg/L	2.276	0.0366	mg/L	1.61%
Mn 257.610	4487919.8	5.058	0.0555	mg/L	5.058	0.0555	mg/L	1.10%
Cr 267.716	231324.9	0.8811	0.01496	mg/L	0.8811	0.01496	mg/L	1.70%
Fe 273.955	9447777.9	297.9	0.42	mg/L	297.9	0.42	mg/L	0.14%
Mg 279.079	6380224.8	135.9	1.44	mg/L	135.9	1.44	mg/L	1.06%
V 292.402	188094.2	0.2467	0.00530	mg/L	0.2467	0.00530	mg/L	2.15%
Al 308.215	1859646.0	96.71	1.104	mg/L	96.71	1.104	mg/L	1.14%
Be 313.107	1021945.9	0.0820	0.00088	mg/L	0.0820	0.00088	mg/L	1.08%
Cu 324.754	2436702.4	6.870	0.0875	mg/L	6.870	0.0875	mg/L	1.27%
Ag 338.289	-1621.0	0.0066	0.00056	mg/L	0.0066	0.00056	mg/L	8.57%
Na 330.237	21739.2	24.04	0.374	mg/L	24.04	0.374	mg/L	1.55%
Ca 227.547	33120.4	113.0	0.87	mg/L	113.0	0.87	mg/L	0.77%
K 766.491	7725398.3							0.39%

Mean Data

ID: 060048-05 Seq. No.: 21 Sample No.: 20 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 11:59:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18213683.8	4.7697	0.05523	mg/L				1.16%
As 188.979	79.7	0.0728	0.00042	mg/L	0.0728	0.00042	mg/L	0.58%
Tl 190.800	-331.2	-0.0468	0.00956	mg/L	-0.0468	0.00956	mg/L	20.41%
Se 196.026	29.8	0.0129	0.00732	mg/L	0.0129	0.00732	mg/L	56.63%
Zn 206.200	275323.6	2.029	0.0256	mg/L	2.029	0.0256	mg/L	1.26%
Sb 206.833	738.0	0.0666	0.00587	mg/L	0.0666	0.00587	mg/L	8.80%
Pb 220.353	50783.6	2.134	0.0212	mg/L	2.134	0.0212	mg/L	0.99%
Cd 226.502	3690.9	0.0026	0.00021	mg/L	0.0026	0.00021	mg/L	8.21%
Co 228.616	3285.8	0.0801	0.00123	mg/L	0.0801	0.00123	mg/L	1.54%
Ni 232.003	11746.9	0.2233	0.00641	mg/L	0.2233	0.00641	mg/L	2.87%
Ba 233.527	347804.2	3.480	0.0421	mg/L	3.480	0.0421	mg/L	1.21%
Mn 257.610	2436856.1	2.746	0.0307	mg/L	2.746	0.0307	mg/L	1.12%
Cr 267.716	59114.3	0.2232	0.00254	mg/L	0.2232	0.00254	mg/L	1.14%
Fe 273.955	4040886.8	127.4	1.35	mg/L	127.4	1.35	mg/L	1.06%
Mg 279.079	1280813.4	27.29	0.270	mg/L	27.29	0.270	mg/L	0.99%
V 292.402	129943.3	0.1851	0.00247	mg/L	0.1851	0.00247	mg/L	1.33%
Al 308.215	1215275.7	63.12	0.762	mg/L	63.12	0.762	mg/L	1.21%
Be 313.107	-45178.9	-0.0026	0.00004	mg/L	-0.0026	0.00004	mg/L	1.55%
Cu 324.754	214660.3	0.5967	0.00995	mg/L	0.5967	0.00995	mg/L	1.67%
Ag 338.289	-2469.4	-0.0078	0.00079	mg/L	-0.0078	0.00079	mg/L	10.05%
Na 330.237	5722.2	5.497	0.0620	mg/L	5.497	0.0620	mg/L	1.13%
Ca 227.547	14832.8	53.07	0.734	mg/L	53.07	0.734	mg/L	1.38%
K 766.491	5855370.5							1.74%

Mean Data

ID: 060048-06 Seq. No.: 22 Sample No.: 21 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:04:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18204258.6	4.7672	0.01279	mg/L				0.27%
As 188.979	73.2	0.0849	0.00535	mg/L	0.0849	0.00535	mg/L	6.30%
Tl 190.800	-335.7	-0.0407	0.00173	mg/L	-0.0407	0.00173	mg/L	4.26%
Se 196.026	-219.8	0.0173	0.00554	mg/L	0.0173	0.00554	mg/L	32.09%
Zn 206.200	1674483.2	12.37	0.008	mg/L	12.37	0.008	mg/L	0.07%
Sb 206.833	960.8	0.0652	0.00279	mg/L	0.0652	0.00279	mg/L	4.28%
Pb 220.353	93994.1	3.953	0.0408	mg/L	3.953	0.0408	mg/L	1.03%
Cd 226.502	5999.2	0.0037	0.00055	mg/L	0.0037	0.00055	mg/L	14.69%

Co 228.616	7074.3	0.1671	0.00070 mg/L	0.1671	0.00070 mg/L	0.42%
Ni 232.003	39927.7	0.9435	0.01111 mg/L	0.9435	0.01111 mg/L	1.18%
Ba 233.527	410465.5	4.106	0.0450 mg/L	4.106	0.0450 mg/L	1.10%
Mn 257.610	3798277.2	4.280	0.0087 mg/L	4.280	0.0087 mg/L	0.20%
Cr 267.716	117432.5	0.4496	0.00517 mg/L	0.4496	0.00517 mg/L	1.15%
Fe 273.955	6117458.5	192.9	0.33 mg/L	192.9	0.33 mg/L	0.17%
Mg 279.079	1293153.5	27.56	0.040 mg/L	27.56	0.040 mg/L	0.15%
V 292.402	145012.2	0.1968	0.00287 mg/L	0.1968	0.00287 mg/L	1.46%
Al 308.215	1289558.3	66.98	0.211 mg/L	66.98	0.211 mg/L	0.31%
Be 313.107	116989.8	0.0103	0.00011 mg/L	0.0103	0.00011 mg/L	1.10%
Cu 324.754	1040968.5	2.930	0.0082 mg/L	2.930	0.0082 mg/L	0.28%
Ag 338.289	-2050.0	-0.0018	0.00071 mg/L	-0.0018	0.00071 mg/L	40.27%
Na 330.237	13749.7	14.71	0.100 mg/L	14.71	0.100 mg/L	0.68%
Ca 227.547	21320.5	74.19	0.309 mg/L	74.19	0.309 mg/L	0.42%
K 766.491	5836981.0					0.25%

Mean Data ----------

ID: 060048-07 Seq. No.: 23 Sample No.: 22 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:11:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	17956903.1	4.7024	0.00737	mg/L				0.16%
As 188.979	100.2	0.0779	0.00290	mg/L	0.0779	0.00290	mg/L	3.72%
Tl 190.800	-434.2	-0.0858	0.00331	mg/L	-0.0858	0.00331	mg/L	3.85%
Se 196.026	-13.2	0.0044	0.00253	mg/L	0.0044	0.00253	mg/L	57.11%
Zn 206.200	79324.8	0.5810	0.00240	mg/L	0.5810	0.00240	mg/L	0.41%
Sb 206.833	539.0	0.0081	0.00390	mg/L	0.0081	0.00390	mg/L	48.06%
Pb 220.353	5686.5	0.2348	0.00230	mg/L	0.2348	0.00230	mg/L	0.98%
Cd 226.502	3483.1	0.0022	0.00001	mg/L	0.0022	0.00001	mg/L	0.43%
Co 228.616	3886.2	0.0938	0.00041	mg/L	0.0938	0.00041	mg/L	0.44%
Ni 232.003	15530.3	0.3292	0.00057	mg/L	0.3292	0.00057	mg/L	0.17%
Ba 233.527	47509.2	0.4770	0.00015	mg/L	0.4770	0.00015	mg/L	0.03%
Mn 257.610	3656338.6	4.120	0.0166	mg/L	4.120	0.0166	mg/L	0.40%
Cr 267.716	45149.9	0.1698	0.00013	mg/L	0.1698	0.00013	mg/L	0.08%
Fe 273.955	3991822.1	125.9	0.49	mg/L	125.9	0.49	mg/L	0.39%
Mg 279.079	2957527.6	63.00	0.249	mg/L	63.00	0.249	mg/L	0.40%
V 292.402	175874.6	0.2607	0.00119	mg/L	0.2607	0.00119	mg/L	0.46%
Al 308.215	1614501.7	83.94	0.421	mg/L	83.94	0.421	mg/L	0.50%
Be 313.107	-124039.6	-0.0088	0.00006	mg/L	-0.0088	0.00006	mg/L	0.65%
Cu 324.754	125957.9	0.3470	0.00078	mg/L	0.3470	0.00078	mg/L	0.23%
Ag 338.289	-5123.3	-0.0230	0.00079	mg/L	-0.0230	0.00079	mg/L	3.43%
Na 330.237	4685.9	4.341	0.1784	mg/L	4.341	0.1784	mg/L	4.11%
Ca 227.547	15655.8	55.97	0.120	mg/L	55.97	0.120	mg/L	0.22%
K 766.491	11807801.7							0.36%

Mean Data ----------

ID: CCV-2 Seq. No.: 24 Sample No.: 23 A/S Pos: 3
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:17:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	18654894.8	4.8852	0.00253	mg/L				0.05%
As 188.979	813.7	0.2410	0.00592	mg/L	0.2410	0.00592	mg/L	2.46%
Tl 190.800	388.2	0.2455	0.01729	mg/L	0.2455	0.01729	mg/L	7.04%
Se 196.026	2865.1	0.2474	0.00271	mg/L	0.2474	0.00271	mg/L	1.09%
Zn 206.200	332881.7	2.458	0.0283	mg/L	2.458	0.0283	mg/L	1.15%
Sb 206.833	869.3	0.2349	0.00379	mg/L	0.2349	0.00379	mg/L	1.61%
Pb 220.353	6065.3	0.2478	0.00036	mg/L	0.2478	0.00036	mg/L	0.14%
Cd 226.502	47901.6	0.1228	0.00164	mg/L	0.1228	0.00164	mg/L	1.34%
Co 228.616	106576.9	2.452	0.0258	mg/L	2.452	0.0258	mg/L	1.05%
Ni 232.003	87013.7	2.416	0.0251	mg/L	2.416	0.0251	mg/L	1.04%
Ba 233.527	1007392.1	10.08	0.045	mg/L	10.08	0.045	mg/L	0.45%
Mn 257.610	2199886.4	2.479	0.0107	mg/L	2.479	0.0107	mg/L	0.43%
Cr 267.716	257162.5	0.9801	0.01240	mg/L	0.9801	0.01240	mg/L	1.26%
Fe 273.955	155707.4	4.909	0.0617	mg/L	4.909	0.0617	mg/L	1.26%
Mg 279.079	1150694.1	24.52	0.074	mg/L	24.52	0.074	mg/L	0.30%
V 292.402	1480463.2	2.425	0.0098	mg/L	2.425	0.0098	mg/L	0.40%
Al 308.215	188500.0	9.566	0.1348	mg/L	9.566	0.1348	mg/L	1.41%
Be 313.107	3029143.9	0.2412	0.00089	mg/L	0.2412	0.00089	mg/L	0.37%

Cu 324.754	439938.0	1.214	0.0160	mg/L	1.214	0.0160 mg/L	1.32%
Ag 338.289	211846.8	1.199	0.0157	mg/L	1.199	0.0157 mg/L	1.31%
Na 330.237	21671.3	22.89	0.273	mg/L	22.89	0.273 mg/L	1.19%
Ca 227.547	5617.0	23.67	0.125	mg/L	23.67	0.125 mg/L	0.53%
K 766.491	16605437.1						0.53%

Mean Data

ID: CCB-2 Seq. No.: 25 Sample No.: 24 A/S Pos: 4
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:24:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	19187453.8	5.0247	0.03080	mg/L				0.61%
As 188.979	-99.9	-0.0020	0.00388	mg/L	-0.0020	0.00388	mg/L	192.75%
Tl 190.800	-178.7	0.0026	0.00664	mg/L	0.0026	0.00664	mg/L	257.28%
Se 196.026	358.3	-0.0017	0.00358	mg/L	-0.0017	0.00358	mg/L	205.44%
Zn 206.200	319.7	0.0007	0.00015	mg/L	0.0007	0.00015	mg/L	21.75%
Sb 206.833	84.7	0.0030	0.00047	mg/L	0.0030	0.00047	mg/L	15.91%
Pb 220.353	158.4	-0.0014	0.00172	mg/L	-0.0014	0.00172	mg/L	121.46%
Cd 226.502	-934.8	0.0001	0.00014	mg/L	0.0001	0.00014	mg/L	119.78%
Co 228.616	-193.7	0.0001	0.00020	mg/L	0.0001	0.00020	mg/L	133.61%
Ni 232.003	-453.4	-0.0003	0.00088	mg/L	-0.0003	0.00088	mg/L	255.76%
Ba 233.527	-150.4	0.0004	0.00011	mg/L	0.0004	0.00011	mg/L	27.19%
Mn 257.610	64.0	0.0001	0.00001	mg/L	0.0001	0.00001	mg/L	12.77%
Cr 267.716	725.1	0.0001	0.00039	mg/L	0.0001	0.00039	mg/L	513.82%
Fe 273.955	129.5	0.0032	0.00049	mg/L	0.0032	0.00049	mg/L	15.60%
Mg 279.079	-895.0	-0.0004	0.00216	mg/L	-0.0004	0.00216	mg/L	528.38%
V 292.402	1697.1	-0.0001	0.00013	mg/L	-0.0001	0.00013	mg/L	152.85%
Al 308.215	5172.7	0.0027	0.00687	mg/L	0.0027	0.00687	mg/L	256.50%
Be 313.107	-12817.7	0.0000	0.00002	mg/L	0.0000	0.00002	mg/L	186.07%
Cu 324.754	9025.6	0.0019	0.00032	mg/L	0.0019	0.00032	mg/L	17.08%
Ag 338.289	226.2	0.0003	0.00127	mg/L	0.0003	0.00127	mg/L	484.86%
Na 330.237	1268.1	0.0234	0.14951	mg/L	0.0234	0.14951	mg/L	637.75%
Ca 227.547	-1197.1	0.0859	0.05254	mg/L	0.0859	0.05254	mg/L	61.20%
K 766.491	13739.2							4.13%

Mean Data

ID: 060048-08 Seq. No.: 26 Sample No.: 25 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:29:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	17113076.4	4.4815	0.02471	mg/L				0.55%
As 188.979	27.1	0.0915	0.00416	mg/L	0.0915	0.00416	mg/L	4.55%
Tl 190.800	-316.2	-0.0385	0.00647	mg/L	-0.0385	0.00647	mg/L	16.80%
Se 196.026	-508.8	0.0126	0.00347	mg/L	0.0126	0.00347	mg/L	27.54%
Zn 206.200	636190.1	4.690	0.0034	mg/L	4.690	0.0034	mg/L	0.07%
Sb 206.833	1080.2	0.0492	0.00207	mg/L	0.0492	0.00207	mg/L	4.20%
Pb 220.353	173951.7	7.317	0.0063	mg/L	7.317	0.0063	mg/L	0.09%
Cd 226.502	7195.7	0.0032	0.00026	mg/L	0.0032	0.00026	mg/L	8.28%
Co 228.616	16051.4	0.3732	0.00261	mg/L	0.3732	0.00261	mg/L	0.70%
Ni 232.003	279994.6	7.531	0.0176	mg/L	7.531	0.0176	mg/L	0.23%
Ba 233.527	172586.6	1.728	0.0018	mg/L	1.728	0.0018	mg/L	0.11%
Mn 257.610	5981026.2	6.732	0.0618	mg/L	6.732	0.0618	mg/L	0.92%
Cr 267.716	153058.1	0.5684	0.00078	mg/L	0.5684	0.00078	mg/L	0.14%
Fe 273.955	7692155.2	242.5	2.15	mg/L	242.5	2.15	mg/L	0.89%
Mg 279.079	20560931.2	437.9	0.39	mg/L	437.9	0.39	mg/L	0.09%
V 292.402	134766.7	0.1702	0.00036	mg/L	0.1702	0.00036	mg/L	0.21%
Al 308.215	1125413.1	58.41	0.586	mg/L	58.41	0.586	mg/L	1.00%
Be 313.107	36908.3	0.0039	0.00005	mg/L	0.0039	0.00005	mg/L	1.19%
Cu 324.754	538290.4	1.522	0.0031	mg/L	1.522	0.0031	mg/L	0.20%
Ag 338.289	-1891.8	0.0019	0.00091	mg/L	0.0019	0.00091	mg/L	47.24%
Na 330.237	7629.2	7.997	0.2785	mg/L	7.997	0.2785	mg/L	3.48%
Ca 227.547	17561.8	60.09	0.363	mg/L	60.09	0.363	mg/L	0.60%
K 766.491	6262833.8							1.20%

Mean Data

ID: 060048-09 Seq. No.: 27 Sample No.: 26 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:37:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18194312.6	4.7646	0.00587	mg/L				0.12%
As 188.979	50.4	0.0723	0.00240	mg/L	0.0723	0.00240	mg/L	3.33%
Tl 190.800	-434.3	-0.0730	0.01180	mg/L	-0.0730	0.01180	mg/L	16.17%
Se 196.026	-46.0	0.0129	0.00805	mg/L	0.0129	0.00805	mg/L	62.49%
Zn 206.200	90469.1	0.6623	0.00403	mg/L	0.6623	0.00403	mg/L	0.61%
Sb 206.833	682.3	0.0138	0.00490	mg/L	0.0138	0.00490	mg/L	35.47%
Pb 220.353	6489.2	0.2701	0.00187	mg/L	0.2701	0.00187	mg/L	0.69%
Cd 226.502	4374.0	0.0019	0.00046	mg/L	0.0019	0.00046	mg/L	24.38%
Co 228.616	3500.6	0.0850	0.00001	mg/L	0.0850	0.00001	mg/L	0.01%
Ni 232.003	12095.2	0.2025	0.00619	mg/L	0.2025	0.00619	mg/L	3.06%
Ba 233.527	63674.8	0.6386	0.00226	mg/L	0.6386	0.00226	mg/L	0.35%
Mn 257.610	3343637.6	3.768	0.0116	mg/L	3.768	0.0116	mg/L	0.31%
Cr 267.716	48151.9	0.1813	0.00119	mg/L	0.1813	0.00119	mg/L	0.65%
Fe 273.955	5128869.8	161.7	0.52	mg/L	161.7	0.52	mg/L	0.32%
Mg 279.079	1854522.4	39.51	0.143	mg/L	39.51	0.143	mg/L	0.36%
V 292.402	202210.5	0.2968	0.00225	mg/L	0.2968	0.00225	mg/L	0.76%
Al 308.215	2135082.5	111.1	0.47	mg/L	111.1	0.47	mg/L	0.42%
Be 313.107	-127513.4	-0.0091	0.00011	mg/L	-0.0091	0.00011	mg/L	1.26%
Cu 324.754	107881.1	0.3007	0.00191	mg/L	0.3007	0.00191	mg/L	0.64%
Ag 338.289	-5506.7	-0.0231	0.00093	mg/L	-0.0231	0.00093	mg/L	4.04%
Na 330.237	4392.2	4.086	0.1224	mg/L	4.086	0.1224	mg/L	2.99%
Ca 227.547	2679.5	10.09	0.096	mg/L	10.09	0.096	mg/L	0.95%
K 766.491	8849326.0							0.40%

Mean Data
ID: 060048-10 Seq. No.: 28 Sample No.: 27 A/S Pos: 23
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:42:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	17946076.5	4.6996	0.01375	mg/L				0.29%
As 188.979	37.8	0.0924	0.00499	mg/L	0.0924	0.00499	mg/L	5.40%
Tl 190.800	-434.4	-0.0652	0.00758	mg/L	-0.0652	0.00758	mg/L	11.64%
Se 196.026	-339.0	0.0317	0.00451	mg/L	0.0317	0.00451	mg/L	14.22%
Zn 206.200	2227840.9	16.45	0.040	mg/L	16.45	0.040	mg/L	0.24%
Sb 206.833	1156.2	0.0406	0.00621	mg/L	0.0406	0.00621	mg/L	15.30%
Pb 220.353	109282.9	4.601	0.0132	mg/L	4.601	0.0132	mg/L	0.29%
Cd 226.502	80459.0	0.1850	0.00024	mg/L	0.1850	0.00024	mg/L	0.13%
Co 228.616	11270.7	0.2634	0.00124	mg/L	0.2634	0.00124	mg/L	0.47%
Ni 232.003	75226.3	1.848	0.0032	mg/L	1.848	0.0032	mg/L	0.17%
Ba 233.527	147207.7	1.474	0.0037	mg/L	1.474	0.0037	mg/L	0.25%
Mn 257.610	8648356.8	9.746	0.0050	mg/L	9.746	0.0050	mg/L	0.05%
Cr 267.716	201831.0	0.7736	0.00089	mg/L	0.7736	0.00089	mg/L	0.12%
Fe 273.955	8647266.1	272.7	0.17	mg/L	272.7	0.17	mg/L	0.06%
Mg 279.079	3134578.5	66.77	0.171	mg/L	66.77	0.171	mg/L	0.26%
V 292.402	219652.7	0.3035	0.00085	mg/L	0.3035	0.00085	mg/L	0.28%
Al 308.215	2421196.5	126.0	0.39	mg/L	126.0	0.39	mg/L	0.31%
Be 313.107	519645.4	0.0422	0.00010	mg/L	0.0422	0.00010	mg/L	0.24%
Cu 324.754	2357654.8	6.644	0.0111	mg/L	6.644	0.0111	mg/L	0.17%
Ag 338.289	-3492.1	-0.0054	0.00104	mg/L	-0.0054	0.00104	mg/L	19.18%
Na 330.237	16148.3	17.65	0.108	mg/L	17.65	0.108	mg/L	0.61%
Ca 227.547	16525.6	55.81	0.245	mg/L	55.81	0.245	mg/L	0.44%
K 766.491	8671608.4							0.34%

Mean Data
ID: 060048-11 Seq. No.: 29 Sample No.: 28 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 12:50:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	17985444.5	4.7099	0.03244	mg/L				0.69%
As 188.979	131.8	0.0905	0.00217	mg/L	0.0905	0.00217	mg/L	2.40%
Tl 190.800	-426.8	-0.0782	0.00489	mg/L	-0.0782	0.00489	mg/L	6.26%
Se 196.026	-117.0	0.0037	0.00119	mg/L	0.0037	0.00119	mg/L	32.33%
Zn 206.200	297434.3	2.192	0.0337	mg/L	2.192	0.0337	mg/L	1.54%
Sb 206.833	613.5	0.0100	0.00342	mg/L	0.0100	0.00342	mg/L	34.01%
Pb 220.353	609124.4	25.70	0.396	mg/L	25.70	0.396	mg/L	1.54%

Cd 226.502	10034.3	0.0173	0.00032 mg/L	0.0173	0.00032 mg/L	1.87%
Co 228.616	5904.5	0.1402	0.00182 mg/L	0.1402	0.00182 mg/L	1.30%
Ni 232.003	61090.7	1.570	0.0253 mg/L	1.570	0.0253 mg/L	1.61%
Ba 233.527	110485.0	1.107	0.0179 mg/L	1.107	0.0179 mg/L	1.62%
Mn 257.610	3921190.8	4.419	0.0498 mg/L	4.419	0.0498 mg/L	1.13%
Cr 267.716	63930.7	0.2356	0.00386 mg/L	0.2356	0.00386 mg/L	1.64%
Fe 273.955	4613680.2	145.5	1.57 mg/L	145.5	1.57 mg/L	1.08%
Mg 279.079	6744728.2	143.7	1.60 mg/L	143.7	1.60 mg/L	1.11%
V 292.402	164908.3	0.2389	0.00398 mg/L	0.2389	0.00398 mg/L	1.67%
Al 308.215	1540631.5	80.09	0.922 mg/L	80.09	0.922 mg/L	1.15%
Be 313.107	-71890.4	-0.0047	0.00010 mg/L	-0.0047	0.00010 mg/L	2.06%
Cu 324.754	205491.3	0.5732	0.00998 mg/L	0.5732	0.00998 mg/L	1.74%
Ag 338.289	-3789.3	-0.0143	0.00055 mg/L	-0.0143	0.00055 mg/L	3.88%
Na 330.237	5644.1	5.475	0.0833 mg/L	5.475	0.0833 mg/L	1.52%
Ca 227.547	15592.5	55.34	0.637 mg/L	55.34	0.637 mg/L	1.15%
K 766.491	8542405.0					0.49%

Mean Data ----------

ID: D BLK 06/02B
Sample Qty: 1.0000 mL
Seq. No.: 30 Sample No.: 29
Prep. Vol.: 1.0 mL
Data: Original
A/S Pos: 25
Dilution: 1.0: 1.0
Date: 6/2/04 12:57:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	19125850.9	5.0086	0.01320	mg/L				0.26%
As 188.979	-98.2	-0.0015	0.00218	mg/L	-0.0015	0.00218	mg/L	141.02%
Tl 190.800	-176.2	0.0037	0.00340	mg/L	0.0037	0.00340	mg/L	92.70%
Se 196.026	322.3	-0.0053	0.00117	mg/L	-0.0053	0.00117	mg/L	22.07%
Zn 206.200	281.1	0.0004	0.00013	mg/L	0.0004	0.00013	mg/L	33.37%
Sb 206.833	76.9	0.0006	0.00422	mg/L	0.0006	0.00422	mg/L	727.37%
Pb 220.353	219.9	0.0012	0.00060	mg/L	0.0012	0.00060	mg/L	50.94%
Cd 226.502	-975.2	0.0000	0.00010	mg/L	0.0000	0.00010	mg/L	725.82%
Co 228.616	-178.1	0.0005	0.00024	mg/L	0.0005	0.00024	mg/L	48.15%
Ni 232.003	-422.4	0.0005	0.00077	mg/L	0.0005	0.00077	mg/L	151.93%
Ba 233.527	-176.3	0.0001	0.00006	mg/L	0.0001	0.00006	mg/L	39.30%
Mn 257.610	110.6	0.0001	0.00002	mg/L	0.0001	0.00002	mg/L	16.06%
Cr 267.716	713.6	0.0000	0.00002	mg/L	0.0000	0.00002	mg/L	67.62%
Fe 273.955	229.0	0.0063	0.00051	mg/L	0.0063	0.00051	mg/L	8.06%
Mg 279.079	-689.8	0.0040	0.00141	mg/L	0.0040	0.00141	mg/L	35.68%
V 292.402	1723.9	0.0000	0.00017	mg/L	0.0000	0.00017	mg/L	392.21%
Al 308.215	5129.0	0.0004	0.00216	mg/L	0.0004	0.00216	mg/L	543.89%
Be 313.107	-12854.0	0.0000	0.00003	mg/L	0.0000	0.00003	mg/L	232.87%
Cu 324.754	8863.0	0.0014	0.00022	mg/L	0.0014	0.00022	mg/L	15.99%
Ag 338.289	130.5	-0.0003	0.00083	mg/L	-0.0003	0.00083	mg/L	298.23%
Na 330.237	1195.8	-0.0574	0.09876	mg/L	-0.0574	0.09876	mg/L	172.11%
Ca 227.547	-1173.2	0.1690	0.03555	mg/L	0.1690	0.03555	mg/L	21.04%
K 766.491	13201.8							1.72%

Mean Data ----------

ID: D LCS Aq #P-097
Sample Qty: 1.0000 mL
Seq. No.: 31 Sample No.: 30
Prep. Vol.: 1.0 mL
Data: Original
A/S Pos: 26
Dilution: 1.0: 1.0
Date: 6/2/04 1:02:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18925032.6	4.9560	0.02723	mg/L				0.55%
As 188.979	283.3	0.0999	0.00329	mg/L	0.0999	0.00329	mg/L	3.29%
Tl 190.800	407.8	0.2540	0.02030	mg/L	0.2540	0.02030	mg/L	7.99%
Se 196.026	3572.2	0.3177	0.00088	mg/L	0.3177	0.00088	mg/L	0.28%
Zn 206.200	83197.5	0.6132	0.00748	mg/L	0.6132	0.00748	mg/L	1.22%
Sb 206.833	862.2	0.2379	0.00765	mg/L	0.2379	0.00765	mg/L	3.21%
Pb 220.353	7394.1	0.3039	0.00138	mg/L	0.3039	0.00138	mg/L	0.46%
Cd 226.502	9075.7	0.0253	0.00017	mg/L	0.0253	0.00017	mg/L	0.66%
Co 228.616	11093.6	0.2594	0.00119	mg/L	0.2594	0.00119	mg/L	0.46%
Ni 232.003	6106.6	0.1809	0.00141	mg/L	0.1809	0.00141	mg/L	0.78%
Ba 233.527	27558.0	0.2775	0.00167	mg/L	0.2775	0.00167	mg/L	0.60%
Mn 257.610	208093.9	0.2345	0.00325	mg/L	0.2345	0.00325	mg/L	1.38%
Cr 267.716	104714.4	0.3975	0.00512	mg/L	0.3975	0.00512	mg/L	1.29%
Fe 273.955	13319.9	0.4191	0.00177	mg/L	0.4191	0.00177	mg/L	0.42%
Mg 279.079	-956.6	-0.0017	0.00039	mg/L	-0.0017	0.00039	mg/L	22.43%
V 292.402	156835.0	0.2544	0.00364	mg/L	0.2544	0.00364	mg/L	1.43%
Al 308.215	19992.6	0.7757	0.02031	mg/L	0.7757	0.02031	mg/L	2.62%

Be 313.107	2343585.4	0.1869	0.00193 mg/L	0.1869	0.00193 mg/L	1.04%
Cu 324.754	56315.9	0.1349	0.00238 mg/L	0.1349	0.00238 mg/L	1.77%
Ag 338.289	52793.6	0.2981	0.00434 mg/L	0.2981	0.00434 mg/L	1.46%
Na 330.237	1742.0	0.5537	0.02988 mg/L	0.5537	0.02988 mg/L	5.40%
Ca 227.547	-1184.3	0.1303	0.06426 mg/L	0.1303	0.06426 mg/L	49.31%
K 766.491	57962.6					3.25%

Mean Data

ID: 050626-03 SPLP Seq. No.: 32 Sample No.: 31 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 1:09:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18834667.9	4.9323	0.03397	mg/L				0.69%
As 188.979	-81.4	0.0029	0.00093	mg/L	0.0029	0.00093	mg/L	31.95%
Tl 190.800	-182.9	0.0008	0.00544	mg/L	0.0008	0.00544	mg/L	708.86%
Se 196.026	380.7	0.0005	0.00482	mg/L	0.0005	0.00482	mg/L	996.30%
Zn 206.200	6222.7	0.0443	0.00212	mg/L	0.0443	0.00212	mg/L	4.79%
Sb 206.833	75.8	0.0002	0.00142	mg/L	0.0002	0.00142	mg/L	570.54%
Pb 220.353	260.3	0.0029	0.00043	mg/L	0.0029	0.00043	mg/L	14.91%
Cd 226.502	-894.0	0.0002	0.00015	mg/L	0.0002	0.00015	mg/L	67.54%
Co 228.616	-154.7	0.0010	0.00016	mg/L	0.0010	0.00016	mg/L	15.72%
Ni 232.003	-287.9	0.0042	0.00072	mg/L	0.0042	0.00072	mg/L	17.01%
Ba 233.527	56268.8	0.5646	0.00828	mg/L	0.5646	0.00828	mg/L	1.47%
Mn 257.610	35570.3	0.0401	0.00091	mg/L	0.0401	0.00091	mg/L	2.26%
Cr 267.716	1576.6	0.0033	0.00046	mg/L	0.0033	0.00046	mg/L	13.68%
Fe 273.955	79642.2	2.511	0.0825	mg/L	2.511	0.0825	mg/L	3.29%
Mg 279.079	20320.8	0.4514	0.01212	mg/L	0.4514	0.01212	mg/L	2.69%
V 292.402	6302.5	0.0075	0.00021	mg/L	0.0075	0.00021	mg/L	2.77%
Al 308.215	53913.5	2.545	0.0834	mg/L	2.545	0.0834	mg/L	3.28%
Be 313.107	-15996.4	-0.0003	0.00001	mg/L	-0.0003	0.00001	mg/L	3.72%
Cu 324.754	11468.0	0.0087	0.00051	mg/L	0.0087	0.00051	mg/L	5.82%
Ag 338.289	110.5	-0.0004	0.00097	mg/L	-0.0004	0.00097	mg/L	245.51%
Na 330.237	5168.9	4.388	0.2226	mg/L	4.388	0.2226	mg/L	5.07%
Ca 227.547	-1008.9	0.6853	0.12137	mg/L	0.6853	0.12137	mg/L	17.71%
K 766.491	595175.3							1.69%

Mean Data

ID: 050709-01 Seq. No.: 33 Sample No.: 32 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 1:14:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18022214.1	4.7195	0.00598	mg/L				0.13%
As 188.979	-122.4	0.0055	0.00668	mg/L	0.0055	0.00668	mg/L	122.04%
Tl 190.800	-219.1	-0.0202	0.00377	mg/L	-0.0202	0.00377	mg/L	18.64%
Se 196.026	173.2	0.0088	0.00693	mg/L	0.0088	0.00693	mg/L	78.68%
Zn 206.200	46948.9	0.3453	0.00238	mg/L	0.3453	0.00238	mg/L	0.69%
Sb 206.833	308.9	0.0039	0.00393	mg/L	0.0039	0.00393	mg/L	99.48%
Pb 220.353	7425.7	0.2997	0.00009	mg/L	0.2997	0.00009	mg/L	0.03%
Cd 226.502	1116.3	0.0007	0.00005	mg/L	0.0007	0.00005	mg/L	6.37%
Co 228.616	192.0	0.0090	0.00050	mg/L	0.0090	0.00050	mg/L	5.59%
Ni 232.003	3613.1	0.0554	0.00039	mg/L	0.0554	0.00039	mg/L	0.70%
Ba 233.527	26119.4	0.2631	0.00069	mg/L	0.2631	0.00069	mg/L	0.26%
Mn 257.610	910480.0	1.026	0.0066	mg/L	1.026	0.0066	mg/L	0.64%
Cr 267.716	9458.6	0.0335	0.00014	mg/L	0.0335	0.00014	mg/L	0.42%
Fe 273.955	2016316.2	63.58	0.392	mg/L	63.58	0.392	mg/L	0.62%
Mg 279.079	2592602.2	55.22	0.390	mg/L	55.22	0.390	mg/L	0.71%
V 292.402	24465.0	0.0247	0.00005	mg/L	0.0247	0.00005	mg/L	0.22%
Al 308.215	123235.9	6.140	0.0272	mg/L	6.140	0.0272	mg/L	0.44%
Be 313.107	-12409.3	0.0000	0.00000	mg/L	0.0000	0.00000	mg/L	21.63%
Cu 324.754	43302.8	0.1064	0.00293	mg/L	0.1064	0.00293	mg/L	2.76%
Ag 338.289	-129.4	-0.0007	0.00041	mg/L	-0.0007	0.00041	mg/L	62.09%
Na 330.237	42224.6	46.33	0.288	mg/L	46.33	0.288	mg/L	0.62%
Ca 227.547	70525.1	248.1	2.09	mg/L	248.1	2.09	mg/L	0.84%
K 766.491	8227271.1							0.38%

Mean Data

ID: 050709-02 Seq. No.: 34 Sample No.: 33 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Original Date: 6/2/04 1:20:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	17910778.7	4.6904	0.01542	mg/L				0.33%
As 188.979	-71.4	0.0129	0.00138	mg/L	0.0129	0.00138	mg/L	10.70%
Tl 190.800	-217.2	-0.0139	0.01139	mg/L	-0.0139	0.01139	mg/L	81.72%
Se 196.026	384.6	0.0166	0.00152	mg/L	0.0166	0.00152	mg/L	9.15%
Zn 206.200	2729.8	0.0185	0.00008	mg/L	0.0185	0.00008	mg/L	0.41%
Sb 206.833	205.6	0.0031	0.00563	mg/L	0.0031	0.00563	mg/L	179.06%
Pb 220.353	391.0	0.0064	0.00155	mg/L	0.0064	0.00155	mg/L	24.23%
Cd 226.502	-139.9	-0.0004	0.00008	mg/L	-0.0004	0.00008	mg/L	22.46%
Co 228.616	-110.1	0.0021	0.00033	mg/L	0.0021	0.00033	mg/L	16.00%
Ni 232.003	701.4	0.0008	0.00122	mg/L	0.0008	0.00122	mg/L	155.97%
Ba 233.527	20744.2	0.2093	0.00161	mg/L	0.2093	0.00161	mg/L	0.77%
Mn 257.610	3814733.9	4.299	0.0266	mg/L	4.299	0.0266	mg/L	0.62%
Cr 267.716	2729.9	0.0077	0.00015	mg/L	0.0077	0.00015	mg/L	1.92%
Fe 273.955	1097507.2	34.61	0.207	mg/L	34.61	0.207	mg/L	0.60%
Mg 279.079	2415110.8	51.44	0.281	mg/L	51.44	0.281	mg/L	0.55%
V 292.402	10576.0	0.0076	0.00013	mg/L	0.0076	0.00013	mg/L	1.75%
Al 308.215	8186.1	0.1448	0.00478	mg/L	0.1448	0.00478	mg/L	3.30%
Be 313.107	-13736.4	-0.0001	0.00001	mg/L	-0.0001	0.00001	mg/L	17.68%
Cu 324.754	7915.5	0.0032	0.00038	mg/L	0.0032	0.00038	mg/L	11.89%
Ag 338.289	60.5	-0.0007	0.00078	mg/L	-0.0007	0.00078	mg/L	115.08%
Na 330.237	25141.1	27.04	0.321	mg/L	27.04	0.321	mg/L	1.19%
Ca 227.547	49920.9	177.1	1.26	mg/L	177.1	1.26	mg/L	0.71%
K 766.491	5169357.3							0.36%

Mean Data
ID: 050711-01 Seq. No.: 35 Sample No.: 34 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 1:25:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18181573.0	4.7613	0.02101	mg/L				0.44%
As 188.979	-67.3	0.0149	0.00563	mg/L	0.0149	0.00563	mg/L	37.71%
Tl 190.800	-188.8	-0.0017	0.00412	mg/L	-0.0017	0.00412	mg/L	236.06%
Se 196.026	310.0	0.0112	0.00309	mg/L	0.0112	0.00309	mg/L	27.60%
Zn 206.200	1364.7	0.0084	0.00021	mg/L	0.0084	0.00021	mg/L	2.46%
Sb 206.833	212.3	0.0006	0.00660	mg/L	0.0006	0.00660	mg/L	>999.9%
Pb 220.353	356.1	0.0035	0.00103	mg/L	0.0035	0.00103	mg/L	29.18%
Cd 226.502	29.4	-0.0003	0.00005	mg/L	-0.0003	0.00005	mg/L	19.03%
Co 228.616	-105.8	0.0022	0.00017	mg/L	0.0022	0.00017	mg/L	8.03%
Ni 232.003	839.0	0.0007	0.00082	mg/L	0.0007	0.00082	mg/L	113.11%
Ba 233.527	20228.7	0.2042	0.00129	mg/L	0.2042	0.00129	mg/L	0.63%
Mn 257.610	4397483.4	4.956	0.0304	mg/L	4.956	0.0304	mg/L	0.61%
Cr 267.716	2285.5	0.0060	0.00013	mg/L	0.0060	0.00013	mg/L	2.08%
Fe 273.955	1235124.7	38.95	0.255	mg/L	38.95	0.255	mg/L	0.66%
Mg 279.079	2438117.8	51.93	0.334	mg/L	51.93	0.334	mg/L	0.64%
V 292.402	7483.4	0.0017	0.00034	mg/L	0.0017	0.00034	mg/L	20.18%
Al 308.215	5830.4	0.0219	0.00468	mg/L	0.0219	0.00468	mg/L	21.37%
Be 313.107	-13716.5	-0.0001	0.00001	mg/L	-0.0001	0.00001	mg/L	15.20%
Cu 324.754	7054.9	0.0013	0.00031	mg/L	0.0013	0.00031	mg/L	24.06%
Ag 338.289	42.3	0.0014	0.00085	mg/L	0.0014	0.00085	mg/L	60.08%
Na 330.237	25697.2	27.68	0.228	mg/L	27.68	0.228	mg/L	0.82%
Ca 227.547	50039.2	177.4	1.20	mg/L	177.4	1.20	mg/L	0.68%
K 766.491	5198902.5							0.51%

Mean Data
ID: CCV-3 Seq. No.: 36 Sample No.: 35 A/S Pos: 3
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 1:30:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18579316.4	4.8654	0.03925	mg/L				0.81%
As 188.979	807.3	0.2393	0.00546	mg/L	0.2393	0.00546	mg/L	2.28%
Tl 190.800	385.2	0.2443	0.00839	mg/L	0.2443	0.00839	mg/L	3.43%
Se 196.026	2858.8	0.2468	0.00230	mg/L	0.2468	0.00230	mg/L	0.93%
Zn 206.200	339397.9	2.507	0.0291	mg/L	2.507	0.0291	mg/L	1.16%
Sb 206.833	881.9	0.2386	0.00284	mg/L	0.2386	0.00284	mg/L	1.19%

Pb 220.353	6118.5	0.2501	0.00097 mg/L	0.2501	0.00097 mg/L	0.39%
Cd 226.502	48795.4	0.1250	0.00152 mg/L	0.1250	0.00152 mg/L	1.22%
Co 228.616	108163.3	2.489	0.0300 mg/L	2.489	0.0300 mg/L	1.21%
Ni 232.003	88558.2	2.458	0.0320 mg/L	2.458	0.0320 mg/L	1.30%
Ba 233.527	1007239.2	10.07	0.161 mg/L	10.07	0.161 mg/L	1.60%
Mn 257.610	2192893.2	2.471	0.0414 mg/L	2.471	0.0414 mg/L	1.67%
Cr 267.716	260603.1	0.9932	0.01219 mg/L	0.9932	0.01219 mg/L	1.23%
Fe 273.955	157858.4	4.977	0.0637 mg/L	4.977	0.0637 mg/L	1.28%
Mg 279.079	1150018.5	24.51	0.400 mg/L	24.51	0.400 mg/L	1.63%
V 292.402	1475745.4	2.418	0.0432 mg/L	2.418	0.0432 mg/L	1.79%
Al 308.215	191528.3	9.724	0.1349 mg/L	9.724	0.1349 mg/L	1.39%
Be 313.107	3023671.1	0.2408	0.00409 mg/L	0.2408	0.00409 mg/L	1.70%
Cu 324.754	446682.3	1.233	0.0169 mg/L	1.233	0.0169 mg/L	1.37%
Ag 338.289	215194.2	1.218	0.0159 mg/L	1.218	0.0159 mg/L	1.30%
Na 330.237	22085.8	23.36	0.231 mg/L	23.36	0.231 mg/L	0.99%
Ca 227.547	5718.1	24.02	0.197 mg/L	24.02	0.197 mg/L	0.82%
K 766.491	16568306.9					0.40%

Mean Data

ID: CCB-3 Seq. No.: 37 Sample No.: 36 A/S Pos: 4
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0 : 1.0
Data: Original Date: 6/2/04 1:38:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	19238924.2	5.0382	0.02223	mg/L				0.44%
As 188.979	-102.9	-0.0028	0.00049	mg/L	-0.0028	0.00049	mg/L	17.45%
Tl 190.800	-172.6	0.0052	0.00359	mg/L	0.0052	0.00359	mg/L	69.03%
Se 196.026	339.9	-0.0036	0.00106	mg/L	-0.0036	0.00106	mg/L	29.63%
Zn 206.200	283.1	0.0004	0.00013	mg/L	0.0004	0.00013	mg/L	31.83%
Sb 206.833	79.5	0.0014	0.00419	mg/L	0.0014	0.00419	mg/L	308.45%
Pb 220.353	215.0	0.0010	0.00048	mg/L	0.0010	0.00048	mg/L	49.43%
Cd 226.502	-947.3	0.0001	0.00007	mg/L	0.0001	0.00007	mg/L	84.43%
Co 228.616	-172.3	0.0006	0.00034	mg/L	0.0006	0.00034	mg/L	52.87%
Ni 232.003	-442.6	0.0000	0.00097	mg/L	0.0000	0.00097	mg/L	>999.9%
Ba 233.527	-135.7	0.0006	0.00009	mg/L	0.0006	0.00009	mg/L	16.21%
Mn 257.610	143.6	0.0002	0.00003	mg/L	0.0002	0.00003	mg/L	17.87%
Cr 267.716	668.0	-0.0001	0.00018	mg/L	-0.0001	0.00018	mg/L	124.90%
Fe 273.955	114.8	0.0027	0.00033	mg/L	0.0027	0.00033	mg/L	12.15%
Mg 279.079	-835.9	0.0008	0.00105	mg/L	0.0008	0.00105	mg/L	123.27%
V 292.402	1705.7	-0.0001	0.00020	mg/L	-0.0001	0.00020	mg/L	279.59%
Al 308.215	5108.3	-0.0007	0.00654	mg/L	-0.0007	0.00654	mg/L	964.12%
Be 313.107	-12745.5	0.0000	0.00002	mg/L	0.0000	0.00002	mg/L	431.91%
Cu 324.754	8832.8	0.0013	0.00050	mg/L	0.0013	0.00050	mg/L	38.17%
Ag 338.289	211.0	0.0002	0.00096	mg/L	0.0002	0.00096	mg/L	544.93%
Na 330.237	1336.1	0.0996	0.13808	mg/L	0.0996	0.13808	mg/L	138.69%
Ca 227.547	-1179.5	0.1471	0.10944	mg/L	0.1471	0.10944	mg/L	74.37%
K 766.491	15109.1							3.83%

Mean Data

ID: 050711-01 DUP Seq. No.: 38 Sample No.: 37 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0 : 1.0
Data: Original Date: 6/2/04 1:43:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	18166007.4	4.7572	0.00558	mg/L				0.12%
As 188.979	-64.4	0.0157	0.00290	mg/L	0.0157	0.00290	mg/L	18.51%
Tl 190.800	-185.7	-0.0004	0.00524	mg/L	-0.0004	0.00524	mg/L	>999.9%
Se 196.026	348.5	0.0150	0.00213	mg/L	0.0150	0.00213	mg/L	14.22%
Zn 206.200	1396.1	0.0086	0.00008	mg/L	0.0086	0.00008	mg/L	0.87%
Sb 206.833	213.9	0.0013	0.00291	mg/L	0.0013	0.00291	mg/L	232.37%
Pb 220.353	352.5	0.0034	0.00031	mg/L	0.0034	0.00031	mg/L	9.09%
Cd 226.502	15.7	-0.0003	0.00017	mg/L	-0.0003	0.00017	mg/L	61.40%
Co 228.616	-127.5	0.0017	0.00031	mg/L	0.0017	0.00031	mg/L	18.40%
Ni 232.003	846.4	0.0010	0.00095	mg/L	0.0010	0.00095	mg/L	91.19%
Ba 233.527	20274.2	0.2046	0.00043	mg/L	0.2046	0.00043	mg/L	0.21%
Mn 257.610	4381160.1	4.937	0.0428	mg/L	4.937	0.0428	mg/L	0.87%
Cr 267.716	2281.8	0.0060	0.00007	mg/L	0.0060	0.00007	mg/L	1.16%
Fe 273.955	1230869.4	38.82	0.337	mg/L	38.82	0.337	mg/L	0.87%
Mg 279.079	2431109.9	51.78	0.433	mg/L	51.78	0.433	mg/L	0.84%
V 292.402	7536.1	0.0018	0.00028	mg/L	0.0018	0.00028	mg/L	15.14%

Al 308.215	5871.5	0.0239	0.00179 mg/L	0.0239	0.00179 mg/L	7.47%
Be 313.107	-13671.7	-0.0001	0.00001 mg/L	-0.0001	0.00001 mg/L	10.71%
Cu 324.754	7114.4	0.0015	0.00034 mg/L	0.0015	0.00034 mg/L	23.37%
Ag 338.289	84.7	0.0016	0.00082 mg/L	0.0016	0.00082 mg/L	49.88%
Na 330.237	25644.6	27.62	0.153 mg/L	27.62	0.153 mg/L	0.55%
Ca 227.547	50287.9	178.2	0.96 mg/L	178.2	0.96 mg/L	0.54%
K 766.491	5174645.2					0.80%

Mean Data

ID: 050711-01 SPK Seq. No.: 39 Sample No.: 38 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 1:48:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18220570.1	4.7715	0.02050	mg/L				0.43%
As 188.979	7514.3	2.032	0.0102	mg/L	2.032	0.0102	mg/L	0.50%
Tl 190.800	4288.1	1.917	0.1150	mg/L	1.917	0.1150	mg/L	6.00%
Se 196.026	20282.4	1.997	0.0105	mg/L	1.997	0.0105	mg/L	0.53%
Zn 206.200	68219.7	0.5025	0.00182	mg/L	0.5025	0.00182	mg/L	0.36%
Sb 206.833	984.2	0.2333	0.00219	mg/L	0.2333	0.00219	mg/L	0.94%
Pb 220.353	11699.5	0.4822	0.00352	mg/L	0.4822	0.00352	mg/L	0.73%
Cd 226.502	19173.6	0.0478	0.00036	mg/L	0.0478	0.00036	mg/L	0.76%
Co 228.616	20926.8	0.4852	0.00333	mg/L	0.4852	0.00333	mg/L	0.69%
Ni 232.003	18526.7	0.4888	0.00483	mg/L	0.4888	0.00483	mg/L	0.99%
Ba 233.527	222771.0	2.229	0.0088	mg/L	2.229	0.0088	mg/L	0.40%
Mn 257.610	4779220.2	5.386	0.0318	mg/L	5.386	0.0318	mg/L	0.59%
Cr 267.716	54237.6	0.2046	0.00014	mg/L	0.2046	0.00014	mg/L	0.07%
Fe 273.955	1252588.0	39.50	0.237	mg/L	39.50	0.237	mg/L	0.60%
Mg 279.079	2409637.9	51.33	0.329	mg/L	51.33	0.329	mg/L	0.64%
V 292.402	307933.8	0.4944	0.00154	mg/L	0.4944	0.00154	mg/L	0.31%
Al 308.215	43579.4	1.991	0.0074	mg/L	1.991	0.0074	mg/L	0.37%
Be 313.107	600868.1	0.0487	0.00031	mg/L	0.0487	0.00031	mg/L	0.64%
Cu 324.754	97904.5	0.2570	0.00106	mg/L	0.2570	0.00106	mg/L	0.41%
Ag 338.289	9509.0	0.0551	0.00079	mg/L	0.0551	0.00079	mg/L	1.43%
Na 330.237	26019.8	28.04	0.122	mg/L	28.04	0.122	mg/L	0.44%
Ca 227.547	49911.1	176.9	0.74	mg/L	176.9	0.74	mg/L	0.42%
K 766.491	5165921.1							0.44%

Mean Data

ID: 050711-02 Seq. No.: 40 Sample No.: 39 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 1:56:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18027459.9	4.7209	0.02178	mg/L				0.46%
As 188.979	-86.4	0.0085	0.00235	mg/L	0.0085	0.00235	mg/L	27.75%
Tl 190.800	-227.4	-0.0241	0.00738	mg/L	-0.0241	0.00738	mg/L	30.60%
Se 196.026	344.1	0.0116	0.00507	mg/L	0.0116	0.00507	mg/L	43.86%
Zn 206.200	4483.7	0.0315	0.00017	mg/L	0.0315	0.00017	mg/L	0.55%
Sb 206.833	182.3	-0.0015	0.00288	mg/L	-0.0015	0.00288	mg/L	191.53%
Pb 220.353	678.0	0.0205	0.00007	mg/L	0.0205	0.00007	mg/L	0.34%
Cd 226.502	-99.5	-0.0001	0.00008	mg/L	-0.0001	0.00008	mg/L	76.18%
Co 228.616	30.9	0.0053	0.00004	mg/L	0.0053	0.00004	mg/L	0.78%
Ni 232.003	891.8	0.0081	0.00104	mg/L	0.0081	0.00104	mg/L	12.86%
Ba 233.527	21062.2	0.2125	0.00062	mg/L	0.2125	0.00062	mg/L	0.29%
Mn 257.610	3283901.5	3.701	0.0350	mg/L	3.701	0.0350	mg/L	0.95%
Cr 267.716	4871.2	0.0125	0.00007	mg/L	0.0125	0.00007	mg/L	0.55%
Fe 273.955	1025269.6	32.33	0.325	mg/L	32.33	0.325	mg/L	1.00%
Mg 279.079	3802875.0	80.99	0.719	mg/L	80.99	0.719	mg/L	0.89%
V 292.402	15094.6	0.0155	0.00026	mg/L	0.0155	0.00026	mg/L	1.67%
Al 308.215	122187.7	6.084	0.0436	mg/L	6.084	0.0436	mg/L	0.72%
Be 313.107	-17036.5	-0.0003	0.00004	mg/L	-0.0003	0.00004	mg/L	13.07%
Cu 324.754	10254.4	0.0095	0.00048	mg/L	0.0095	0.00048	mg/L	5.09%
Ag 338.289	-7.3	-0.0037	0.00058	mg/L	-0.0037	0.00058	mg/L	15.56%
Na 330.237	30928.0	33.60	0.333	mg/L	33.60	0.333	mg/L	0.99%
Ca 227.547	74752.4	263.5	2.32	mg/L	263.5	2.32	mg/L	0.88%
K 766.491	9323912.3							0.16%

Mean Data

ID: 050750-01 Seq. No.: 41 Sample No.: 40 A/S Pos: 34

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:01:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18631190.6	4.8790	0.02544	mg/L				0.52%
As 188.979	-93.4	-0.0003	0.00109	mg/L	-0.0003	0.00109	mg/L	406.85%
Tl 190.800	-179.2	0.0024	0.00157	mg/L	0.0024	0.00157	mg/L	66.70%
Se 196.026	372.6	0.0052	0.00526	mg/L	0.0052	0.00526	mg/L	100.44%
Zn 206.200	6606.3	0.0471	0.00034	mg/L	0.0471	0.00034	mg/L	0.72%
Sb 206.833	110.8	-0.0020	0.00320	mg/L	-0.0020	0.00320	mg/L	160.07%
Pb 220.353	259.7	0.0029	0.00077	mg/L	0.0029	0.00077	mg/L	27.10%
Cd 226.502	-655.3	0.0008	0.00018	mg/L	0.0008	0.00018	mg/L	21.78%
Co 228.616	-142.1	0.0013	0.00046	mg/L	0.0013	0.00046	mg/L	34.30%
Ni 232.003	-8.7	0.0011	0.00032	mg/L	0.0011	0.00032	mg/L	29.63%
Ba 233.527	25578.3	0.2577	0.00263	mg/L	0.2577	0.00263	mg/L	1.02%
Mn 257.610	260029.8	0.2931	0.00189	mg/L	0.2931	0.00189	mg/L	0.65%
Cr 267.716	1250.5	0.0021	0.00005	mg/L	0.0021	0.00005	mg/L	2.44%
Fe 273.955	387744.3	12.23	0.063	mg/L	12.23	0.063	mg/L	0.51%
Mg 279.079	362156.3	7.731	0.0478	mg/L	7.731	0.0478	mg/L	0.62%
V 292.402	4382.8	0.0043	0.00035	mg/L	0.0043	0.00035	mg/L	8.01%
Al 308.215	15987.9	0.5668	0.00325	mg/L	0.5668	0.00325	mg/L	0.57%
Be 313.107	-13828.5	-0.0001	0.00000	mg/L	-0.0001	0.00000	mg/L	5.54%
Cu 324.754	9237.0	0.0024	0.00020	mg/L	0.0024	0.00020	mg/L	8.21%
Ag 338.289	127.4	-0.0003	0.00096	mg/L	-0.0003	0.00096	mg/L	324.22%
Na 330.237	7859.5	7.461	0.1090	mg/L	7.461	0.1090	mg/L	1.46%
Ca 227.547	5025.2	21.45	0.149	mg/L	21.45	0.149	mg/L	0.69%
K 766.491	823027.5							0.55%

Mean Data

ID: 050750-02 Seq. No.: 42 Sample No.: 41 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:06:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18629974.5	4.8787	0.04226	mg/L				0.87%
As 188.979	-111.2	0.0017	0.00326	mg/L	0.0017	0.00326	mg/L	195.48%
Tl 190.800	-190.2	-0.0024	0.00728	mg/L	-0.0024	0.00728	mg/L	306.99%
Se 196.026	239.7	0.0008	0.00713	mg/L	0.0008	0.00713	mg/L	863.22%
Zn 206.200	8679.8	0.0625	0.00047	mg/L	0.0625	0.00047	mg/L	0.75%
Sb 206.833	197.6	0.0040	0.00381	mg/L	0.0040	0.00381	mg/L	95.89%
Pb 220.353	259.9	0.0029	0.00122	mg/L	0.0029	0.00122	mg/L	42.42%
Cd 226.502	-20.1	0.0002	0.00005	mg/L	0.0002	0.00005	mg/L	32.31%
Co 228.616	-59.9	0.0032	0.00040	mg/L	0.0032	0.00040	mg/L	12.49%
Ni 232.003	917.4	0.0095	0.00293	mg/L	0.0095	0.00293	mg/L	30.93%
Ba 233.527	5789.1	0.0598	0.00047	mg/L	0.0598	0.00047	mg/L	0.78%
Mn 257.610	201165.1	0.2267	0.00277	mg/L	0.2267	0.00277	mg/L	1.22%
Cr 267.716	2416.4	0.0065	0.00021	mg/L	0.0065	0.00021	mg/L	3.21%
Fe 273.955	1000154.6	31.54	0.235	mg/L	31.54	0.235	mg/L	0.74%
Mg 279.079	117672.0	2.525	0.0319	mg/L	2.525	0.0319	mg/L	1.26%
V 292.402	5903.3	0.0006	0.00005	mg/L	0.0006	0.00005	mg/L	8.87%
Al 308.215	13615.1	0.4431	0.01295	mg/L	0.4431	0.01295	mg/L	2.92%
Be 313.107	-10450.9	0.0002	0.00001	mg/L	0.0002	0.00001	mg/L	7.37%
Cu 324.754	10287.1	0.0094	0.00013	mg/L	0.0094	0.00013	mg/L	1.40%
Ag 338.289	-219.9	-0.0023	0.00061	mg/L	-0.0023	0.00061	mg/L	27.02%
Na 330.237	11882.3	12.00	0.125	mg/L	12.00	0.125	mg/L	1.04%
Ca 227.547	1204.1	7.744	0.0833	mg/L	7.744	0.0833	mg/L	1.08%
K 766.491	1627877.5							0.94%

Mean Data

ID: 050750-03 Seq. No.: 43 Sample No.: 42 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:11:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18474002.6	4.8379	0.03125	mg/L				0.65%
As 188.979	-110.3	-0.0048	0.00389	mg/L	-0.0048	0.00389	mg/L	81.71%
Tl 190.800	-193.4	-0.0037	0.00610	mg/L	-0.0037	0.00610	mg/L	162.96%
Se 196.026	303.1	-0.0006	0.00696	mg/L	-0.0006	0.00696	mg/L	>999.9%
Zn 206.200	5961.5	0.0424	0.00043	mg/L	0.0424	0.00043	mg/L	1.00%

Sb 206.833	123.0	-0.0008	0.00250 mg/L	-0.0008	0.00250 mg/L	305.82%
Pb 220.353	303.6	0.0047	0.00047 mg/L	0.0047	0.00047 mg/L	9.89%
Cd 226.502	-581.5	0.0010	0.00004 mg/L	0.0010	0.00004 mg/L	4.01%
Co 228.616	-159.1	0.0009	0.00009 mg/L	0.0009	0.00009 mg/L	9.25%
Ni 232.003	112.7	0.0023	0.00041 mg/L	0.0023	0.00041 mg/L	18.02%
Ba 233.527	11538.2	0.1173	0.00120 mg/L	0.1173	0.00120 mg/L	1.03%
Mn 257.610	492880.8	0.5555	0.00250 mg/L	0.5555	0.00250 mg/L	0.45%
Cr 267.716	1202.7	0.0019	0.00013 mg/L	0.0019	0.00013 mg/L	6.71%
Fe 273.955	463779.3	14.62	0.091 mg/L	14.62	0.091 mg/L	0.62%
Mg 279.079	317784.9	6.786	0.0356 mg/L	6.786	0.0356 mg/L	0.52%
V 292.402	3812.2	0.0034	0.00010 mg/L	0.0034	0.00010 mg/L	2.91%
Al 308.215	8962.0	0.2003	0.00758 mg/L	0.2003	0.00758 mg/L	3.78%
Be 313.107	-13442.8	-0.0001	0.00000 mg/L	-0.0001	0.00000 mg/L	4.20%
Cu 324.754	8720.4	0.0010	0.00016 mg/L	0.0010	0.00016 mg/L	16.15%
Ag 338.289	55.9	-0.0007	0.00029 mg/L	-0.0007	0.00029 mg/L	41.48%
Na 330.237	15072.1	15.56	0.064 mg/L	15.56	0.064 mg/L	0.41%
Ca 227.547	9737.1	37.78	0.377 mg/L	37.78	0.377 mg/L	1.00%
K 766.491	1740539.5					0.68%

Mean Data

ID: 050750-04 Seq. No.: 44 Sample No.: 43 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:16:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	17746459.2	4.6473	0.01500	mg/L				0.32%
As 188.979	-214.1	0.0091	0.00343	mg/L	0.0091	0.00343	mg/L	37.66%
Tl 190.800	-244.7	-0.0185	0.00315	mg/L	-0.0185	0.00315	mg/L	17.00%
Se 196.026	-316.4	0.0203	0.00303	mg/L	0.0203	0.00303	mg/L	14.89%
Zn 206.200	367306.6	2.707	0.0327	mg/L	2.707	0.0327	mg/L	1.21%
Sb 206.833	823.0	0.0205	0.00217	mg/L	0.0205	0.00217	mg/L	10.58%
Pb 220.353	1472.5	0.0370	0.00117	mg/L	0.0370	0.00117	mg/L	3.17%
Cd 226.502	4970.5	0.0009	0.00014	mg/L	0.0009	0.00014	mg/L	14.57%
Co 228.616	1818.6	0.0464	0.00058	mg/L	0.0464	0.00058	mg/L	1.25%
Ni 232.003	7814.6	0.0539	0.00182	mg/L	0.0539	0.00182	mg/L	3.38%
Ba 233.527	330498.6	3.307	0.0441	mg/L	3.307	0.0441	mg/L	1.33%
Mn 257.610	7503918.0	8.456	0.0133	mg/L	8.456	0.0133	mg/L	0.16%
Cr 267.716	7515.7	0.0296	0.00124	mg/L	0.0296	0.00124	mg/L	4.19%
Fe 273.955	6210307.8	195.8	0.25	mg/L	195.8	0.25	mg/L	0.13%
Mg 279.079	2656029.7	56.57	0.095	mg/L	56.57	0.095	mg/L	0.17%
V 292.402	30623.7	0.0086	0.00038	mg/L	0.0086	0.00038	mg/L	4.44%
Al 308.215	63139.7	3.001	0.0610	mg/L	3.001	0.0610	mg/L	2.03%
Be 313.107	21222.6	0.0027	0.00000	mg/L	0.0027	0.00000	mg/L	0.08%
Cu 324.754	15892.0	0.0463	0.00069	mg/L	0.0463	0.00069	mg/L	1.50%
Ag 338.289	-2029.4	-0.0015	0.00047	mg/L	-0.0015	0.00047	mg/L	31.73%
Na 330.237	54077.6	59.94	0.733	mg/L	59.94	0.733	mg/L	1.22%
Ca 227.547	51135.0	177.8	2.16	mg/L	177.8	2.16	mg/L	1.21%
K 766.491	10759120.9							0.25%

Mean Data

ID: 050750-05 Seq. No.: 45 Sample No.: 44 A/S Pos: 38
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:22:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	18227036.1	4.7732	0.03378	mg/L				0.71%
As 188.979	-98.1	-0.0015	0.00393	mg/L	-0.0015	0.00393	mg/L	260.06%
Tl 190.800	-203.6	-0.0081	0.00744	mg/L	-0.0081	0.00744	mg/L	91.79%
Se 196.026	416.7	0.0041	0.00113	mg/L	0.0041	0.00113	mg/L	27.75%
Zn 206.200	280830.3	2.074	0.0045	mg/L	2.074	0.0045	mg/L	0.22%
Sb 206.833	95.3	0.0007	0.00567	mg/L	0.0007	0.00567	mg/L	868.79%
Pb 220.353	861.7	0.0283	0.00112	mg/L	0.0283	0.00112	mg/L	3.98%
Cd 226.502	-205.9	0.0019	0.00003	mg/L	0.0019	0.00003	mg/L	1.51%
Co 228.616	-78.2	0.0028	0.00071	mg/L	0.0028	0.00071	mg/L	25.23%
Ni 232.003	1747.9	0.0605	0.00151	mg/L	0.0605	0.00151	mg/L	2.49%
Ba 233.527	6718.6	0.0691	0.00061	mg/L	0.0691	0.00061	mg/L	0.88%
Mn 257.610	744152.9	0.8386	0.00202	mg/L	0.8386	0.00202	mg/L	0.24%
Cr 267.716	5626.7	0.0188	0.00021	mg/L	0.0188	0.00021	mg/L	1.13%
Fe 273.955	166195.7	5.240	0.0104	mg/L	5.240	0.0104	mg/L	0.20%
Mg 279.079	543222.9	11.59	0.026	mg/L	11.59	0.026	mg/L	0.22%

V 292.402	3527.3	0.0029	0.00018 mg/L	0.0029	0.00018 mg/L	6.32%
Al 308.215	24895.8	1.023	0.0029 mg/L	1.023	0.0029 mg/L	0.28%
Be 313.107	-15238.6	-0.0002	0.00003 mg/L	-0.0002	0.00003 mg/L	12.81%
Cu 324.754	21997.8	0.0383	0.00015 mg/L	0.0383	0.00015 mg/L	0.39%
Ag 338.289	289.2	0.0006	0.00057 mg/L	0.0006	0.00057 mg/L	92.55%
Na 330.237	20105.8	21.23	0.245 mg/L	21.23	0.245 mg/L	1.15%
Ca 227.547	27167.5	98.59	0.937 mg/L	98.59	0.937 mg/L	0.95%
K 766.491	10267069.2					0.31%

Mean Data

ID: 050750-06 Seq. No.: 46 Sample No.: 45 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:27:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18628478.8	4.8783	0.02399	mg/L				0.49%
As 188.979	-89.5	0.0008	0.00361	mg/L	0.0008	0.00361	mg/L	473.86%
Tl 190.800	-182.8	0.0008	0.00440	mg/L	0.0008	0.00440	mg/L	522.63%
Se 196.026	389.4	0.0014	0.00369	mg/L	0.0014	0.00369	mg/L	273.65%
Zn 206.200	11533.6	0.0836	0.00096	mg/L	0.0836	0.00096	mg/L	1.15%
Sb 206.833	74.6	-0.0035	0.00232	mg/L	-0.0035	0.00232	mg/L	65.65%
Pb 220.353	255.4	0.0027	0.00174	mg/L	0.0027	0.00174	mg/L	65.09%
Cd 226.502	-865.9	0.0003	0.00002	mg/L	0.0003	0.00002	mg/L	8.02%
Co 228.616	4.8	0.0047	0.00029	mg/L	0.0047	0.00029	mg/L	6.19%
Ni 232.003	-182.9	0.0071	0.00033	mg/L	0.0071	0.00033	mg/L	4.66%
Ba 233.527	19462.4	0.1965	0.00196	mg/L	0.1965	0.00196	mg/L	1.00%
Mn 257.610	299995.4	0.3381	0.00321	mg/L	0.3381	0.00321	mg/L	0.95%
Cr 267.716	1767.8	0.0041	0.00010	mg/L	0.0041	0.00010	mg/L	2.39%
Fe 273.955	102894.4	3.244	0.0535	mg/L	3.244	0.0535	mg/L	1.65%
Mg 279.079	310401.0	6.629	0.0512	mg/L	6.629	0.0512	mg/L	0.77%
V 292.402	7299.3	0.0091	0.00007	mg/L	0.0091	0.00007	mg/L	0.72%
Al 308.215	53956.6	2.547	0.0264	mg/L	2.547	0.0264	mg/L	1.04%
Be 313.107	-17252.8	-0.0004	0.00006	mg/L	-0.0004	0.00006	mg/L	15.57%
Cu 324.754	9869.4	0.0042	0.00057	mg/L	0.0042	0.00057	mg/L	13.52%
Ag 338.289	82.2	-0.0006	0.00043	mg/L	-0.0006	0.00043	mg/L	76.89%
Na 330.237	13253.7	13.46	0.138	mg/L	13.46	0.138	mg/L	1.03%
Ca 227.547	3478.8	16.27	0.171	mg/L	16.27	0.171	mg/L	1.05%
K 766.491	1406285.3							1.70%

Mean Data

ID: 050750-07 Seq. No.: 47 Sample No.: 46 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:32:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18034270.4	4.7227	0.01131	mg/L				0.24%
As 188.979	-99.4	0.0035	0.00508	mg/L	0.0035	0.00508	mg/L	146.33%
Tl 190.800	-206.0	-0.0091	0.00316	mg/L	-0.0091	0.00316	mg/L	34.56%
Se 196.026	316.8	0.0056	0.00419	mg/L	0.0056	0.00419	mg/L	74.78%
Zn 206.200	55243.7	0.4066	0.00275	mg/L	0.4066	0.00275	mg/L	0.68%
Sb 206.833	158.4	-0.0013	0.00463	mg/L	-0.0013	0.00463	mg/L	370.01%
Pb 220.353	393.2	0.0085	0.00177	mg/L	0.0085	0.00177	mg/L	20.88%
Cd 226.502	-254.5	0.0018	0.00008	mg/L	0.0018	0.00008	mg/L	4.14%
Co 228.616	108.8	0.0071	0.00039	mg/L	0.0071	0.00039	mg/L	5.50%
Ni 232.003	809.5	0.0121	0.00064	mg/L	0.0121	0.00064	mg/L	5.27%
Ba 233.527	50141.1	0.5033	0.00362	mg/L	0.5033	0.00362	mg/L	0.72%
Mn 257.610	2869165.1	3.233	0.0245	mg/L	3.233	0.0245	mg/L	0.76%
Cr 267.716	2785.8	0.0080	0.00007	mg/L	0.0080	0.00007	mg/L	0.82%
Fe 273.955	799354.2	25.21	0.195	mg/L	25.21	0.195	mg/L	0.77%
Mg 279.079	2076954.0	44.25	0.317	mg/L	44.25	0.317	mg/L	0.72%
V 292.402	14813.3	0.0198	0.00274	mg/L	0.0198	0.00274	mg/L	13.85%
Al 308.215	66660.7	3.202	0.0288	mg/L	3.202	0.0288	mg/L	0.90%
Be 313.107	-15358.7	-0.0002	0.00002	mg/L	-0.0002	0.00002	mg/L	7.50%
Cu 324.754	9623.5	0.0068	0.00008	mg/L	0.0068	0.00008	mg/L	1.25%
Ag 338.289	-192.8	-0.0021	0.00065	mg/L	-0.0021	0.00065	mg/L	30.93%
Na 330.237	61658.3	67.78	0.535	mg/L	67.78	0.535	mg/L	0.79%
Ca 227.547	26356.6	95.34	0.677	mg/L	95.34	0.677	mg/L	0.71%
K 766.491	14900748.1							0.17%

Mean Data

ID: CCV-4 Seq. No.: 48 Sample No.: 47 A/S Pos: 3
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:37:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18392949.6	4.8166	0.02039	mg/L				0.42%
As 188.979	817.8	0.2421	0.00511	mg/L	0.2421	0.00511	mg/L	2.11%
Tl 190.800	439.1	0.2674	0.00551	mg/L	0.2674	0.00551	mg/L	2.06%
Se 196.026	2832.1	0.2442	0.00277	mg/L	0.2442	0.00277	mg/L	1.13%
Zn 206.200	342068.9	2.526	0.0153	mg/L	2.526	0.0153	mg/L	0.60%
Sb 206.833	885.2	0.2396	0.00109	mg/L	0.2396	0.00109	mg/L	0.45%
Pb 220.353	6137.3	0.2509	0.00219	mg/L	0.2509	0.00219	mg/L	0.87%
Cd 226.502	48955.4	0.1254	0.00113	mg/L	0.1254	0.00113	mg/L	0.90%
Co 228.616	108454.7	2.495	0.0151	mg/L	2.495	0.0151	mg/L	0.61%
Ni 232.003	88777.6	2.464	0.0182	mg/L	2.464	0.0182	mg/L	0.74%
Ba 233.527	1029413.3	10.30	0.049	mg/L	10.30	0.049	mg/L	0.47%
Mn 257.610	2233700.3	2.517	0.0128	mg/L	2.517	0.0128	mg/L	0.51%
Cr 267.716	261823.0	0.9979	0.00667	mg/L	0.9979	0.00667	mg/L	0.67%
Fe 273.955	158305.4	4.991	0.0320	mg/L	4.991	0.0320	mg/L	0.64%
Mg 279.079	1171307.6	24.96	0.118	mg/L	24.96	0.118	mg/L	0.47%
V 292.402	1505172.1	2.466	0.0136	mg/L	2.466	0.0136	mg/L	0.55%
Al 308.215	191783.5	9.737	0.0768	mg/L	9.737	0.0768	mg/L	0.79%
Be 313.107	3082644.9	0.2455	0.00138	mg/L	0.2455	0.00138	mg/L	0.56%
Cu 324.754	447261.6	1.235	0.0100	mg/L	1.235	0.0100	mg/L	0.81%
Ag 338.289	215994.9	1.223	0.0085	mg/L	1.223	0.0085	mg/L	0.70%
Na 330.237	22319.2	23.62	0.258	mg/L	23.62	0.258	mg/L	1.09%
Ca 227.547	5667.3	23.84	0.192	mg/L	23.84	0.192	mg/L	0.80%
K 766.491	16583524.8							0.54%

Mean Data

ID: CCB-4 Seq. No.: 49 Sample No.: 48 A/S Pos: 4
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:45:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	19314807.6	5.0580	0.03790	mg/L				0.75%
As 188.979	-92.4	0.0000	0.00233	mg/L	0.0000	0.00233	mg/L	>999.9%
Tl 190.800	-170.9	0.0059	0.00462	mg/L	0.0059	0.00462	mg/L	78.26%
Se 196.026	372.4	-0.0003	0.00290	mg/L	-0.0003	0.00290	mg/L	845.28%
Zn 206.200	277.9	0.0004	0.00006	mg/L	0.0004	0.00006	mg/L	16.73%
Sb 206.833	79.1	0.0013	0.00078	mg/L	0.0013	0.00078	mg/L	61.60%
Pb 220.353	183.1	-0.0004	0.00072	mg/L	-0.0004	0.00072	mg/L	193.93%
Cd 226.502	-911.6	0.0002	0.00005	mg/L	0.0002	0.00005	mg/L	29.09%
Co 228.616	-210.7	-0.0002	0.00027	mg/L	-0.0002	0.00027	mg/L	109.66%
Ni 232.003	-445.5	-0.0001	0.00111	mg/L	-0.0001	0.00111	mg/L	876.31%
Ba 233.527	-125.0	0.0007	0.00005	mg/L	0.0007	0.00005	mg/L	7.86%
Mn 257.610	147.1	0.0002	0.00001	mg/L	0.0002	0.00001	mg/L	7.29%
Cr 267.716	790.6	0.0003	0.00028	mg/L	0.0003	0.00028	mg/L	87.49%
Fe 273.955	122.5	0.0029	0.00045	mg/L	0.0029	0.00045	mg/L	15.48%
Mg 279.079	-794.5	0.0017	0.00145	mg/L	0.0017	0.00145	mg/L	83.98%
V 292.402	1677.9	-0.0001	0.00006	mg/L	-0.0001	0.00006	mg/L	48.19%
Al 308.215	5167.3	0.0024	0.00511	mg/L	0.0024	0.00511	mg/L	213.52%
Be 313.107	-12509.1	0.0000	0.00000	mg/L	0.0000	0.00000	mg/L	19.47%
Cu 324.754	8656.8	0.0008	0.00030	mg/L	0.0008	0.00030	mg/L	37.01%
Ag 338.289	188.6	0.0000	0.00135	mg/L	0.0000	0.00135	mg/L	>999.9%
Na 330.237	1256.7	0.0108	0.09181	mg/L	0.0108	0.09181	mg/L	853.69%
Ca 227.547	-1193.4	0.0988	0.10203	mg/L	0.0988	0.10203	mg/L	103.26%
K 766.491	17602.3							2.96%

Mean Data

ID: 050750-08 Seq. No.: 50 Sample No.: 49 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:50:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18787472.3	4.9199	0.02792	mg/L				0.57%
As 188.979	-94.8	-0.0006	0.00107	mg/L	-0.0006	0.00107	mg/L	166.72%
Tl 190.800	-171.4	0.0057	0.00325	mg/L	0.0057	0.00325	mg/L	56.76%
Se 196.026	373.8	-0.0002	0.00213	mg/L	-0.0002	0.00213	mg/L	>999.9%

Zn 206.200	5031.8	0.0355	0.00062 mg/L	0.0355	0.00062 mg/L	1.75%
Sb 206.833	94.4	0.0013	0.00508 mg/L	0.0013	0.00508 mg/L	389.71%
Pb 220.353	227.8	0.0015	0.00097 mg/L	0.0015	0.00097 mg/L	64.21%
Cd 226.502	-553.5	0.0011	0.00002 mg/L	0.0011	0.00002 mg/L	2.10%
Co 228.616	-124.5	0.0017	0.00029 mg/L	0.0017	0.00029 mg/L	16.76%
Ni 232.003	-303.7	0.0038	0.00044 mg/L	0.0038	0.00044 mg/L	11.48%
Ba 233.527	1881.8	0.0207	0.00042 mg/L	0.0207	0.00042 mg/L	2.03%
Mn 257.610	138767.7	0.1564	0.00225 mg/L	0.1564	0.00225 mg/L	1.44%
Cr 267.716	881.1	0.0007	0.00050 mg/L	0.0007	0.00050 mg/L	74.68%
Fe 273.955	137755.2	4.343	0.0602 mg/L	4.343	0.0602 mg/L	1.39%
Mg 279.079	90339.8	1.942	0.0274 mg/L	1.942	0.0274 mg/L	1.41%
V 292.402	2933.2	0.0019	0.00018 mg/L	0.0019	0.00018 mg/L	9.53%
Al 308.215	14954.8	0.5129	0.00798 mg/L	0.5129	0.00798 mg/L	1.56%
Be 313.107	-12922.6	0.0000	0.00001 mg/L	0.0000	0.00001 mg/L	59.50%
Cu 324.754	8941.6	0.0016	0.00030 mg/L	0.0016	0.00030 mg/L	18.40%
Ag 338.289	110.7	-0.0004	0.00085 mg/L	-0.0004	0.00085 mg/L	217.04%
Na 330.237	4393.5	3.534	0.2089 mg/L	3.534	0.2089 mg/L	5.91%
Ca 227.547	408.2	5.572	0.1181 mg/L	5.572	0.1181 mg/L	2.12%
K 766.491	511751.6					1.49%

Mean Data

ID: 050750-09 Seq. No.: 51 Sample No.: 50 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 2:55:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18279133.2	4.7868	0.02465	mg/L				0.51%
As 188.979	-112.0	-0.0052	0.00370	mg/L	-0.0052	0.00370	mg/L	70.90%
Tl 190.800	-187.5	-0.0012	0.00551	mg/L	-0.0012	0.00551	mg/L	456.64%
Se 196.026	361.9	-0.0014	0.00293	mg/L	-0.0014	0.00293	mg/L	211.20%
Zn 206.200	2124.9	0.0140	0.00011	mg/L	0.0140	0.00011	mg/L	0.76%
Sb 206.833	79.1	0.0012	0.00189	mg/L	0.0012	0.00189	mg/L	152.69%
Pb 220.353	221.4	0.0012	0.00037	mg/L	0.0012	0.00037	mg/L	30.12%
Cd 226.502	-928.2	0.0001	0.00008	mg/L	0.0001	0.00008	mg/L	60.81%
Co 228.616	-175.9	0.0006	0.00013	mg/L	0.0006	0.00013	mg/L	24.07%
Ni 232.003	-437.6	0.0001	0.00157	mg/L	0.0001	0.00157	mg/L	>999.9%
Ba 233.527	5553.1	0.0574	0.00044	mg/L	0.0574	0.00044	mg/L	0.77%
Mn 257.610	700631.0	0.7896	0.00347	mg/L	0.7896	0.00347	mg/L	0.44%
Cr 267.716	1055.9	0.0013	0.00026	mg/L	0.0013	0.00026	mg/L	19.69%
Fe 273.955	27056.8	0.8523	0.01512	mg/L	0.8523	0.01512	mg/L	1.77%
Mg 279.079	448472.7	9.569	0.0455	mg/L	9.569	0.0455	mg/L	0.48%
V 292.402	2125.2	0.0006	0.00026	mg/L	0.0006	0.00026	mg/L	41.89%
Al 308.215	5676.5	0.0290	0.00397	mg/L	0.0290	0.00397	mg/L	13.72%
Be 313.107	-13123.5	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	24.69%
Cu 324.754	18212.1	0.0277	0.00069	mg/L	0.0277	0.00069	mg/L	2.49%
Ag 338.289	116.5	-0.0004	0.00063	mg/L	-0.0004	0.00063	mg/L	175.34%
Na 330.237	9305.4	9.073	0.3555	mg/L	9.073	0.3555	mg/L	3.92%
Ca 227.547	13760.1	52.07	0.988	mg/L	52.07	0.988	mg/L	1.90%
K 766.491	2048963.5							0.34%

Mean Data

ID: 050750-10 Seq. No.: 52 Sample No.: 51 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:00:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18400352.3	4.8186	0.01595	mg/L				0.33%
As 188.979	-94.0	-0.0004	0.00177	mg/L	-0.0004	0.00177	mg/L	418.79%
Tl 190.800	-183.0	0.0007	0.00641	mg/L	0.0007	0.00641	mg/L	863.26%
Se 196.026	373.0	-0.0003	0.00690	mg/L	-0.0003	0.00690	mg/L	>999.9%
Zn 206.200	1929.8	0.0126	0.00007	mg/L	0.0126	0.00007	mg/L	0.55%
Sb 206.833	89.8	0.0045	0.00589	mg/L	0.0045	0.00589	mg/L	131.40%
Pb 220.353	242.4	0.0021	0.00073	mg/L	0.0021	0.00073	mg/L	34.34%
Cd 226.502	-997.6	0.0000	0.00007	mg/L	0.0000	0.00007	mg/L	163.72%
Co 228.616	-172.0	0.0006	0.00020	mg/L	0.0006	0.00020	mg/L	30.91%
Ni 232.003	-348.9	0.0025	0.00045	mg/L	0.0025	0.00045	mg/L	17.67%
Ba 233.527	4303.7	0.0449	0.00015	mg/L	0.0449	0.00015	mg/L	0.33%
Mn 257.610	219161.5	0.2470	0.00090	mg/L	0.2470	0.00090	mg/L	0.37%
Cr 267.716	1106.8	0.0015	0.00025	mg/L	0.0015	0.00025	mg/L	16.47%
Fe 273.955	37543.9	1.183	0.0059	mg/L	1.183	0.0059	mg/L	0.49%

Mg 279.079	494693.2	10.55	0.044 mg/L	10.55	0.044 mg/L	0.42%
V 292.402	2183.8	0.0007	0.00004 mg/L	0.0007	0.00004 mg/L	5.44%
Al 308.215	6495.6	0.0717	0.00117 mg/L	0.0717	0.00117 mg/L	1.63%
Be 313.107	-13368.7	-0.0001	0.00002 mg/L	-0.0001	0.00002 mg/L	32.02%
Cu 324.754	9083.5	0.0020	0.00039 mg/L	0.0020	0.00039 mg/L	19.18%
Ag 338.289	213.4	0.0002	0.00084 mg/L	0.0002	0.00084 mg/L	439.99%
Na 330.237	14800.5	15.21	0.148 mg/L	15.21	0.148 mg/L	0.98%
Ca 227.547	10959.2	42.33	0.297 mg/L	42.33	0.297 mg/L	0.70%
K 766.491	8639943.9					0.13%

Mean Data

ID: 050750-11 Seq. No.: 53 Sample No.: 52 A/S Pos: 44
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:05:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	18868520.7	4.9412	0.05280	mg/L				1.07%
As 188.979	-98.0	-0.0015	0.00446	mg/L	-0.0015	0.00446	mg/L	300.42%
Tl 190.800	-181.0	0.0016	0.00242	mg/L	0.0016	0.00242	mg/L	153.40%
Se 196.026	394.3	0.0018	0.00478	mg/L	0.0018	0.00478	mg/L	260.08%
Zn 206.200	3270.6	0.0225	0.00034	mg/L	0.0225	0.00034	mg/L	1.52%
Sb 206.833	87.0	0.0036	0.00061	mg/L	0.0036	0.00061	mg/L	16.85%
Pb 220.353	228.8	0.0016	0.00050	mg/L	0.0016	0.00050	mg/L	31.89%
Cd 226.502	-942.3	0.0001	0.00006	mg/L	0.0001	0.00006	mg/L	58.59%
Co 228.616	-168.7	0.0007	0.00021	mg/L	0.0007	0.00021	mg/L	28.65%
Ni 232.003	-423.1	0.0005	0.00148	mg/L	0.0005	0.00148	mg/L	300.79%
Ba 233.527	3095.8	0.0329	0.00014	mg/L	0.0329	0.00014	mg/L	0.43%
Mn 257.610	120609.5	0.1359	0.00300	mg/L	0.1359	0.00300	mg/L	2.21%
Cr 267.716	858.3	0.0006	0.00042	mg/L	0.0006	0.00042	mg/L	72.56%
Fe 273.955	37519.9	1.182	0.0257	mg/L	1.182	0.0257	mg/L	2.17%
Mg 279.079	130414.3	2.796	0.0593	mg/L	2.796	0.0593	mg/L	2.12%
V 292.402	2272.8	0.0009	0.00007	mg/L	0.0009	0.00007	mg/L	8.58%
Al 308.215	7598.4	0.1292	0.00806	mg/L	0.1292	0.00806	mg/L	6.24%
Be 313.107	-12811.2	0.0000	0.00003	mg/L	0.0000	0.00003	mg/L	307.82%
Cu 324.754	8930.6	0.0016	0.00064	mg/L	0.0016	0.00064	mg/L	40.35%
Ag 338.289	-27.7	-0.0012	0.00075	mg/L	-0.0012	0.00075	mg/L	63.94%
Na 330.237	7875.6	7.423	0.0304	mg/L	7.423	0.0304	mg/L	0.41%
Ca 227.547	1387.2	9.045	0.0649	mg/L	9.045	0.0649	mg/L	0.72%
K 766.491	875509.1							0.79%

Mean Data

ID: 050750-12 Seq. No.: 54 Sample No.: 53 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:11:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	18433836.5	4.8273	0.03124	mg/L				0.65%
As 188.979	-117.1	-0.0066	0.00101	mg/L	-0.0066	0.00101	mg/L	15.40%
Tl 190.800	-198.5	-0.0059	0.01347	mg/L	-0.0059	0.01347	mg/L	228.13%
Se 196.026	375.7	0.0000	0.00308	mg/L	0.0000	0.00308	mg/L	>999.9%
Zn 206.200	1853.0	0.0120	0.00010	mg/L	0.0120	0.00010	mg/L	0.84%
Sb 206.833	68.6	-0.0019	0.00472	mg/L	-0.0019	0.00472	mg/L	244.06%
Pb 220.353	230.2	0.0016	0.00018	mg/L	0.0016	0.00018	mg/L	11.05%
Cd 226.502	-987.7	0.0000	0.00006	mg/L	0.0000	0.00006	mg/L	331.36%
Co 228.616	-210.7	-0.0002	0.00019	mg/L	-0.0002	0.00019	mg/L	77.28%
Ni 232.003	-407.9	0.0009	0.00070	mg/L	0.0009	0.00070	mg/L	76.69%
Ba 233.527	3944.8	0.0414	0.00026	mg/L	0.0414	0.00026	mg/L	0.64%
Mn 257.610	1014667.7	1.143	0.0123	mg/L	1.143	0.0123	mg/L	1.08%
Cr 267.716	1204.0	0.0019	0.00034	mg/L	0.0019	0.00034	mg/L	17.81%
Fe 273.955	44563.1	1.404	0.0013	mg/L	1.404	0.0013	mg/L	0.09%
Mg 279.079	508940.8	10.86	0.116	mg/L	10.86	0.116	mg/L	1.07%
V 292.402	2406.0	0.0011	0.00014	mg/L	0.0011	0.00014	mg/L	12.94%
Al 308.215	7210.3	0.1029	0.00066	mg/L	0.1029	0.00066	mg/L	0.65%
Be 313.107	-13313.8	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	13.37%
Cu 324.754	8751.0	0.0011	0.00034	mg/L	0.0011	0.00034	mg/L	31.62%
Ag 338.289	338.5	0.0009	0.00101	mg/L	0.0009	0.00101	mg/L	112.57%
Na 330.237	8637.1	8.347	0.0563	mg/L	8.347	0.0563	mg/L	0.67%
Ca 227.547	19435.2	71.79	0.308	mg/L	71.79	0.308	mg/L	0.43%
K 766.491	4916368.0							1.29%

Mean Data

ID: 050750-13 Seq. No.: 55 Sample No.: 54 A/S Pos: 46
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:16:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	18670189.2	4.8892	0.02249	mg/L				0.46%
As 188.979	-98.2	-0.0015	0.00140	mg/L	-0.0015	0.00140	mg/L	90.95%
Tl 190.800	-201.4	-0.0071	0.00379	mg/L	-0.0071	0.00379	mg/L	53.05%
Se 196.026	329.9	-0.0046	0.00334	mg/L	-0.0046	0.00334	mg/L	73.20%
Zn 206.200	11407.9	0.0826	0.00048	mg/L	0.0826	0.00048	mg/L	0.59%
Sb 206.833	91.4	-0.0009	0.00177	mg/L	-0.0009	0.00177	mg/L	197.86%
Pb 220.353	568.4	0.0159	0.00071	mg/L	0.0159	0.00071	mg/L	4.45%
Cd 226.502	-812.6	0.0004	0.00008	mg/L	0.0004	0.00008	mg/L	20.03%
Co 228.616	93.9	0.0068	0.00014	mg/L	0.0068	0.00014	mg/L	2.12%
Ni 232.003	-165.2	0.0076	0.00041	mg/L	0.0076	0.00041	mg/L	5.38%
Ba 233.527	23325.0	0.2351	0.00148	mg/L	0.2351	0.00148	mg/L	0.63%
Mn 257.610	356466.9	0.4017	0.00221	mg/L	0.4017	0.00221	mg/L	0.55%
Cr 267.716	5276.9	0.0175	0.00011	mg/L	0.0175	0.00011	mg/L	0.60%
Fe 273.955	176728.1	5.572	0.0311	mg/L	5.572	0.0311	mg/L	0.56%
Mg 279.079	214748.1	4.592	0.0201	mg/L	4.592	0.0201	mg/L	0.44%
V 292.402	10010.2	0.0135	0.00024	mg/L	0.0135	0.00024	mg/L	1.76%
Al 308.215	109536.1	5.447	0.1207	mg/L	5.447	0.1207	mg/L	2.22%
Be 313.107	-6498.3	0.0005	0.00002	mg/L	0.0005	0.00002	mg/L	4.66%
Cu 324.754	11036.0	0.0075	0.00041	mg/L	0.0075	0.00041	mg/L	5.50%
Ag 338.289	107.3	-0.0004	0.00053	mg/L	-0.0004	0.00053	mg/L	129.85%
Na 330.237	5003.7	4.242	0.1647	mg/L	4.242	0.1647	mg/L	3.88%
Ca 227.547	4287.3	19.03	0.155	mg/L	19.03	0.155	mg/L	0.82%
K 766.491	2035703.6							1.90%

Mean Data

ID: SD 1:5 S 060048-11 Seq. No.: 56 Sample No.: 55 A/S Pos: 47
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:21:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	18510271.5	4.8474	0.02704	mg/L				0.56%
As 188.979	-41.3	0.0200	0.00294	mg/L	0.0200	0.00294	mg/L	14.69%
Tl 190.800	-230.6	-0.0197	0.00879	mg/L	-0.0197	0.00879	mg/L	44.72%
Se 196.026	263.6	0.0026	0.00229	mg/L	0.0026	0.00229	mg/L	86.76%
Zn 206.200	62208.4	0.4580	0.00304	mg/L	0.4580	0.00304	mg/L	0.66%
Sb 206.833	179.1	-0.0003	0.00401	mg/L	-0.0003	0.00401	mg/L	>999.9%
Pb 220.353	125620.1	5.293	0.0378	mg/L	5.293	0.0378	mg/L	0.71%
Cd 226.502	1222.8	0.0034	0.00008	mg/L	0.0034	0.00008	mg/L	2.34%
Co 228.616	1066.2	0.0291	0.00026	mg/L	0.0291	0.00026	mg/L	0.89%
Ni 232.003	11861.0	0.3129	0.00298	mg/L	0.3129	0.00298	mg/L	0.95%
Ba 233.527	22651.1	0.2284	0.00207	mg/L	0.2284	0.00207	mg/L	0.91%
Mn 257.610	798046.2	0.8994	0.00725	mg/L	0.8994	0.00725	mg/L	0.81%
Cr 267.716	13942.9	0.0506	0.00048	mg/L	0.0506	0.00048	mg/L	0.95%
Fe 273.955	960854.9	30.30	0.215	mg/L	30.30	0.215	mg/L	0.71%
Mg 279.079	1306777.2	27.85	0.175	mg/L	27.85	0.175	mg/L	0.63%
V 292.402	34552.2	0.0478	0.00023	mg/L	0.0478	0.00023	mg/L	0.49%
Al 308.215	300366.7	15.40	0.108	mg/L	15.40	0.108	mg/L	0.70%
Be 313.107	-24895.3	-0.0010	0.00003	mg/L	-0.0010	0.00003	mg/L	2.86%
Cu 324.754	47217.7	0.1132	0.00092	mg/L	0.1132	0.00092	mg/L	0.82%
Ag 338.289	-609.3	-0.0045	0.00070	mg/L	-0.0045	0.00070	mg/L	15.61%
Na 330.237	2223.5	1.202	0.0325	mg/L	1.202	0.0325	mg/L	2.70%
Ca 227.547	2050.7	10.71	0.139	mg/L	10.71	0.139	mg/L	1.30%
K 766.491	1377983.2							1.47%

Mean Data

ID: SD 1:5 Aq 050709-01 Seq. No.: 57 Sample No.: 56 A/S Pos: 48
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:28:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	18684579.9	4.8930	0.05347	mg/L				1.09%
As 188.979	-104.3	-0.0032	0.00303	mg/L	-0.0032	0.00303	mg/L	95.63%
Tl 190.800	-188.8	-0.0017	0.00195	mg/L	-0.0017	0.00195	mg/L	111.35%

Se 196.026	339.9	0.0024	0.00454 mg/L	0.0024	0.00454 mg/L	189.61%
Zn 206.200	10574.1	0.0765	0.00077 mg/L	0.0765	0.00077 mg/L	1.00%
Sb 206.833	126.4	0.0018	0.00231 mg/L	0.0018	0.00231 mg/L	129.78%
Pb 220.353	1767.3	0.0665	0.00090 mg/L	0.0665	0.00090 mg/L	1.36%
Cd 226.502	-559.4	0.0011	0.00005 mg/L	0.0011	0.00005 mg/L	4.92%
Co 228.616	-99.9	0.0023	0.00053 mg/L	0.0023	0.00053 mg/L	22.83%
Ni 232.003	441.1	0.0127	0.00065 mg/L	0.0127	0.00065 mg/L	5.09%
Ba 233.527	5237.1	0.0543	0.00045 mg/L	0.0543	0.00045 mg/L	0.82%
Mn 257.610	184377.7	0.2078	0.00333 mg/L	0.2078	0.00333 mg/L	1.60%
Cr 267.716	2485.7	0.0068	0.00026 mg/L	0.0068	0.00026 mg/L	3.83%
Fe 273.955	415774.4	13.11	0.213 mg/L	13.11	0.213 mg/L	1.62%
Mg 279.079	521101.8	11.12	0.164 mg/L	11.12	0.164 mg/L	1.47%
V 292.402	6331.2	0.0075	0.00035 mg/L	0.0075	0.00035 mg/L	4.67%
Al 308.215	29918.3	1.293	0.0251 mg/L	1.293	0.0251 mg/L	1.94%
Be 313.107	-13183.6	0.0000	0.00004 mg/L	0.0000	0.00004 mg/L	103.53%
Cu 324.754	17752.1	0.0264	0.00068 mg/L	0.0264	0.00068 mg/L	2.59%
Ag 338.289	-16.5	-0.0011	0.00044 mg/L	-0.0011	0.00044 mg/L	39.72%
Na 330.237	8350.1	8.041	0.2235 mg/L	8.041	0.2235 mg/L	2.78%
Ca 227.547	12383.1	47.02	0.362 mg/L	47.02	0.362 mg/L	0.77%
K 766.491	1212891.3					1.89%

Mean Data

ID: CCV-5 Seq. No.: 58 Sample No.: 57 A/S Pos: 3
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:34:07 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18446189.3	4.8306	0.02230	mg/L				0.46%
As 188.979	820.3	0.2428	0.00192	mg/L	0.2428	0.00192	mg/L	0.79%
Tl 190.800	420.7	0.2595	0.00421	mg/L	0.2595	0.00421	mg/L	1.62%
Se 196.026	2850.3	0.2460	0.00189	mg/L	0.2460	0.00189	mg/L	0.77%
Zn 206.200	342709.3	2.531	0.0296	mg/L	2.531	0.0296	mg/L	1.17%
Sb 206.833	884.4	0.2394	0.00165	mg/L	0.2394	0.00165	mg/L	0.69%
Pb 220.353	6117.4	0.2500	0.00115	mg/L	0.2500	0.00115	mg/L	0.46%
Cd 226.502	49055.6	0.1257	0.00180	mg/L	0.1257	0.00180	mg/L	1.44%
Co 228.616	108326.1	2.492	0.0311	mg/L	2.492	0.0311	mg/L	1.25%
Ni 232.003	88717.6	2.463	0.0314	mg/L	2.463	0.0314	mg/L	1.28%
Ba 233.527	1016818.2	10.17	0.088	mg/L	10.17	0.088	mg/L	0.87%
Mn 257.610	2199877.6	2.479	0.0223	mg/L	2.479	0.0223	mg/L	0.90%
Cr 267.716	261911.2	0.9982	0.01306	mg/L	0.9982	0.01306	mg/L	1.31%
Fe 273.955	158190.0	4.988	0.0638	mg/L	4.988	0.0638	mg/L	1.28%
Mg 279.079	1158384.5	24.69	0.195	mg/L	24.69	0.195	mg/L	0.79%
V 292.402	1483274.6	2.430	0.0228	mg/L	2.430	0.0228	mg/L	0.94%
Al 308.215	191285.0	9.711	0.1359	mg/L	9.711	0.1359	mg/L	1.40%
Be 313.107	3042900.0	0.2423	0.00213	mg/L	0.2423	0.00213	mg/L	0.88%
Cu 324.754	447272.6	1.235	0.0193	mg/L	1.235	0.0193	mg/L	1.56%
Ag 338.289	215901.2	1.222	0.0177	mg/L	1.222	0.0177	mg/L	1.45%
Na 330.237	22057.5	23.33	0.360	mg/L	23.33	0.360	mg/L	1.54%
Ca 227.547	5648.9	23.78	0.219	mg/L	23.78	0.219	mg/L	0.92%
K 766.491	16505831.7							0.17%

Mean Data

ID: CCB-5 Seq. No.: 59 Sample No.: 58 A/S Pos: 4
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:41:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	19218447.4	5.0328	0.00330	mg/L				0.07%
As 188.979	-90.7	0.0004	0.00151	mg/L	0.0004	0.00151	mg/L	339.84%
Tl 190.800	-179.6	0.0022	0.00247	mg/L	0.0022	0.00247	mg/L	111.82%
Se 196.026	352.6	-0.0023	0.00105	mg/L	-0.0023	0.00105	mg/L	45.48%
Zn 206.200	291.1	0.0005	0.00005	mg/L	0.0005	0.00005	mg/L	10.40%
Sb 206.833	82.1	0.0021	0.00381	mg/L	0.0021	0.00381	mg/L	177.15%
Pb 220.353	196.9	0.0002	0.00073	mg/L	0.0002	0.00073	mg/L	344.65%
Cd 226.502	-948.7	0.0001	0.00010	mg/L	0.0001	0.00010	mg/L	124.52%
Co 228.616	-179.8	0.0005	0.00041	mg/L	0.0005	0.00041	mg/L	87.95%
Ni 232.003	-408.6	0.0009	0.00120	mg/L	0.0009	0.00120	mg/L	134.62%
Ba 233.527	-136.0	0.0005	0.00012	mg/L	0.0005	0.00012	mg/L	21.32%
Mn 257.610	79.3	0.0001	0.00002	mg/L	0.0001	0.00002	mg/L	16.97%
Cr 267.716	771.3	0.0003	0.00014	mg/L	0.0003	0.00014	mg/L	54.62%

Fe 273.955	86.8	0.0018	0.00024 mg/L	0.0018	0.00024 mg/L	13.26%
Mg 279.079	-780.1	0.0020	0.00157 mg/L	0.0020	0.00157 mg/L	77.00%
V 292.402	1717.7	-0.0001	0.00018 mg/L	-0.0001	0.00018 mg/L	338.65%
Al 308.215	5220.8	0.0052	0.00059 mg/L	0.0052	0.00059 mg/L	11.35%
Be 313.107	-12673.3	0.0000	0.00000 mg/L	0.0000	0.00000 mg/L	131.68%
Cu 324.754	8838.0	0.0013	0.00024 mg/L	0.0013	0.00024 mg/L	18.37%
Ag 338.289	211.7	0.0002	0.00175 mg/L	0.0002	0.00175 mg/L	970.35%
Na 330.237	1281.2	0.0381	0.04170 mg/L	0.0381	0.04170 mg/L	109.43%
Ca 227.547	-1176.8	0.1566	0.04165 mg/L	0.1566	0.04165 mg/L	26.60%
K 766.491	16002.0					7.08%

Mean Data

ID: CRI
Sample Qty: 1.0000 mL
Seq. No.: 60 Sample No.: 59
Prep. Vol.: 1.0 mL
Data: Original
A/S Pos: 5
Dilution: 1.0: 1.0
Date: 6/2/04 3:46:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	18936629.8	4.9590	0.01386	mg/L				0.28%
As 188.979	-21.2	0.0189	0.00412	mg/L	0.0189	0.00412	mg/L	21.80%
Tl 190.800	-133.6	0.0219	0.00615	mg/L	0.0219	0.00615	mg/L	28.09%
Se 196.026	478.5	0.0102	0.00288	mg/L	0.0102	0.00288	mg/L	28.20%
Zn 206.200	6222.9	0.0443	0.00021	mg/L	0.0443	0.00021	mg/L	0.47%
Sb 206.833	443.6	0.1114	0.00030	mg/L	0.1114	0.00030	mg/L	0.27%
Pb 220.353	335.4	0.0061	0.00095	mg/L	0.0061	0.00095	mg/L	15.66%
Cd 226.502	3150.1	0.0104	0.00006	mg/L	0.0104	0.00006	mg/L	0.61%
Co 228.616	4324.6	0.1039	0.00031	mg/L	0.1039	0.00031	mg/L	0.30%
Ni 232.003	2537.9	0.0823	0.00061	mg/L	0.0823	0.00061	mg/L	0.74%
Ba 233.527	-123.0	0.0007	0.00022	mg/L	0.0007	0.00022	mg/L	32.59%
Mn 257.610	28039.2	0.0316	0.00056	mg/L	0.0316	0.00056	mg/L	1.77%
Cr 267.716	6042.1	0.0204	0.00035	mg/L	0.0204	0.00035	mg/L	1.72%
Fe 273.955	204.2	0.0055	0.00064	mg/L	0.0055	0.00064	mg/L	11.59%
Mg 279.079	-834.6	0.0009	0.00257	mg/L	0.0009	0.00257	mg/L	292.47%
V 292.402	61887.2	0.0986	0.00167	mg/L	0.0986	0.00167	mg/L	1.69%
Al 308.215	5427.5	0.0160	0.00289	mg/L	0.0160	0.00289	mg/L	18.09%
Be 313.107	110243.8	0.0097	0.00015	mg/L	0.0097	0.00015	mg/L	1.57%
Cu 324.754	27671.7	0.0543	0.00084	mg/L	0.0543	0.00084	mg/L	1.55%
Ag 338.289	3716.0	0.0200	0.00061	mg/L	0.0200	0.00061	mg/L	3.05%
Na 330.237	1288.0	0.0457	0.02867	mg/L	0.0457	0.02867	mg/L	62.76%
Ca 227.547	-1181.5	0.1402	0.14599	mg/L	0.1402	0.14599	mg/L	104.09%
K 766.491	17992.2							2.38%

Mean Data

ID: ICS A
Sample Qty: 1.0000 mL
Seq. No.: 61 Sample No.: 60
Prep. Vol.: 1.0 mL
Data: Original
A/S Pos: 6
Dilution: 1.0: 1.0
Date: 6/2/04 3:51:56 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	16244312.1	4.2540	0.03733	mg/L				0.88%
As 188.979	-281.8	0.0050	0.00542	mg/L	0.0050	0.00542	mg/L	108.94%
Tl 190.800	-346.4	0.0471	0.00658	mg/L	0.0471	0.00658	mg/L	13.98%
Se 196.026	128.9	-0.0164	0.01009	mg/L	-0.0164	0.01009	mg/L	61.55%
Zn 206.200	2494.7	-0.0081	0.00017	mg/L	-0.0081	0.00017	mg/L	2.05%
Sb 206.833	773.2	0.0073	0.00425	mg/L	0.0073	0.00425	mg/L	57.87%
Pb 220.353	-1369.0	-0.0088	0.00249	mg/L	-0.0088	0.00249	mg/L	28.40%
Cd 226.502	4417.8	0.0002	0.00047	mg/L	0.0002	0.00047	mg/L	248.48%
Co 228.616	-8.9	0.0044	0.00034	mg/L	0.0044	0.00034	mg/L	7.66%
Ni 232.003	5397.6	-0.0107	0.00060	mg/L	-0.0107	0.00060	mg/L	5.64%
Ba 233.527	-461.7	-0.0027	0.00017	mg/L	-0.0027	0.00017	mg/L	6.39%
Mn 257.610	2678.9	-0.0069	0.00020	mg/L	-0.0069	0.00020	mg/L	2.84%
Cr 267.716	4663.4	0.0014	0.00027	mg/L	0.0014	0.00027	mg/L	19.29%
Fe 273.955	5923851.1	186.8	1.74	mg/L	186.8	1.74	mg/L	0.93%
Mg 279.079	24133302.0	513.9	1.16	mg/L	513.9	1.16	mg/L	0.23%
V 292.402	26608.1	0.0038	0.00012	mg/L	0.0038	0.00012	mg/L	3.19%
Al 308.215	9726933.2	507.1	0.48	mg/L	507.1	0.48	mg/L	0.10%
Be 313.107	-15669.0	-0.0002	0.00001	mg/L	-0.0002	0.00001	mg/L	6.04%
Cu 324.754	1215.2	0.0052	0.00034	mg/L	0.0052	0.00034	mg/L	6.53%
Ag 338.289	-1099.0	-0.0020	0.00092	mg/L	-0.0020	0.00092	mg/L	45.81%
Na 330.237	510.3	0.4975	0.07647	mg/L	0.4975	0.07647	mg/L	15.37%
Ca 227.547	151222.1	526.3	3.19	mg/L	526.3	3.19	mg/L	0.61%
K 766.491	42994.4							2.53%

Mean Data

ID: ICS AB Seq. No.: 62 Sample No.: 61 A/S Pos: 7
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 3:57:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	16332080.8	4.2769	0.02565	mg/L				0.60%
As 188.979	1615.3	0.5095	0.00374	mg/L	0.5095	0.00374	mg/L	0.73%
Tl 190.800	740.9	0.5125	0.08077	mg/L	0.5125	0.08077	mg/L	15.76%
Se 196.026	5479.8	0.5156	0.01766	mg/L	0.5156	0.01766	mg/L	3.42%
Zn 206.200	131937.8	0.9486	0.01036	mg/L	0.9486	0.01036	mg/L	1.09%
Sb 206.833	2464.3	0.5190	0.00663	mg/L	0.5190	0.00663	mg/L	1.28%
Pb 220.353	21273.1	0.9464	0.00570	mg/L	0.9464	0.00570	mg/L	0.60%
Cd 226.502	396417.0	0.9847	0.01269	mg/L	0.9847	0.01269	mg/L	1.29%
Co 228.616	20372.7	0.4725	0.00325	mg/L	0.4725	0.00325	mg/L	0.69%
Ni 232.003	41273.8	0.9807	0.01313	mg/L	0.9807	0.01313	mg/L	1.34%
Ba 233.527	51970.0	0.5216	0.00589	mg/L	0.5216	0.00589	mg/L	1.13%
Mn 257.610	453291.5	0.5009	0.00567	mg/L	0.5009	0.00567	mg/L	1.13%
Cr 267.716	133119.4	0.4924	0.00586	mg/L	0.4924	0.00586	mg/L	1.19%
Fe 273.955	5907914.3	186.3	2.08	mg/L	186.3	2.08	mg/L	1.12%
Mg 279.079	23997827.7	511.0	0.44	mg/L	511.0	0.44	mg/L	0.09%
V 292.402	325363.5	0.4940	0.00587	mg/L	0.4940	0.00587	mg/L	1.19%
Al 308.215	9690459.4	505.2	0.22	mg/L	505.2	0.22	mg/L	0.04%
Be 313.107	6262503.0	0.4976	0.00004	mg/L	0.4976	0.00004	mg/L	0.01%
Cu 324.754	196174.2	0.5536	0.00785	mg/L	0.5536	0.00785	mg/L	1.42%
Ag 338.289	189477.2	1.078	0.0144	mg/L	1.078	0.0144	mg/L	1.34%
Na 330.237	3703.3	4.071	0.0984	mg/L	4.071	0.0984	mg/L	2.42%
Ca 227.547	151945.8	528.8	7.54	mg/L	528.8	7.54	mg/L	1.43%
K 766.491	254868.7							1.28%

Mean Data

ID: CCV-6 Seq. No.: 63 Sample No.: 62 A/S Pos: 3
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 4:04:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	18517183.0	4.8492	0.02530	mg/L				0.52%
As 188.979	818.0	0.2422	0.00199	mg/L	0.2422	0.00199	mg/L	0.82%
Tl 190.800	375.2	0.2400	0.00818	mg/L	0.2400	0.00818	mg/L	3.41%
Se 196.026	2860.1	0.2469	0.00144	mg/L	0.2469	0.00144	mg/L	0.58%
Zn 206.200	341143.8	2.519	0.0162	mg/L	2.519	0.0162	mg/L	0.64%
Sb 206.833	875.7	0.2368	0.00190	mg/L	0.2368	0.00190	mg/L	0.80%
Pb 220.353	6104.1	0.2495	0.00163	mg/L	0.2495	0.00163	mg/L	0.65%
Cd 226.502	48928.3	0.1253	0.00098	mg/L	0.1253	0.00098	mg/L	0.78%
Co 228.616	107911.3	2.483	0.0242	mg/L	2.483	0.0242	mg/L	0.98%
Ni 232.003	88472.9	2.456	0.0175	mg/L	2.456	0.0175	mg/L	0.71%
Ba 233.527	1011894.1	10.12	0.092	mg/L	10.12	0.092	mg/L	0.91%
Mn 257.610	2183811.7	2.461	0.0217	mg/L	2.461	0.0217	mg/L	0.88%
Cr 267.716	261032.6	0.9949	0.00833	mg/L	0.9949	0.00833	mg/L	0.84%
Fe 273.955	157812.5	4.976	0.0427	mg/L	4.976	0.0427	mg/L	0.86%
Mg 279.079	1150520.7	24.52	0.192	mg/L	24.52	0.192	mg/L	0.79%
V 292.402	1472460.1	2.412	0.0212	mg/L	2.412	0.0212	mg/L	0.88%
Al 308.215	191376.5	9.716	0.0945	mg/L	9.716	0.0945	mg/L	0.97%
Be 313.107	3018470.2	0.2404	0.00204	mg/L	0.2404	0.00204	mg/L	0.85%
Cu 324.754	447371.0	1.235	0.0105	mg/L	1.235	0.0105	mg/L	0.85%
Ag 338.289	215310.0	1.219	0.0108	mg/L	1.219	0.0108	mg/L	0.89%
Na 330.237	21950.0	23.21	0.306	mg/L	23.21	0.306	mg/L	1.32%
Ca 227.547	5680.4	23.89	0.191	mg/L	23.89	0.191	mg/L	0.80%
K 766.491	16516251.7							0.38%

Mean Data

ID: CCB-6 Seq. No.: 64 Sample No.: 63 A/S Pos: 4
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 6/2/04 4:11:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	19093082.6	5.0000	0.03283	mg/L				0.66%
As 188.979	-98.4	-0.0016	0.00108	mg/L	-0.0016	0.00108	mg/L	67.55%

Tl 190.800	-168.3	0.0070	0.00389 mg/L	0.0070	0.00389 mg/L	55.31%
Se 196.026	332.1	-0.0044	0.00170 mg/L	-0.0044	0.00170 mg/L	39.04%
Zn 206.200	278.8	0.0004	0.00002 mg/L	0.0004	0.00002 mg/L	5.87%
Sb 206.833	75.5	0.0002	0.00184 mg/L	0.0002	0.00184 mg/L	>999.9%
Pb 220.353	199.9	0.0003	0.00119 mg/L	0.0003	0.00119 mg/L	353.31%
Cd 226.502	-934.4	0.0001	0.00006 mg/L	0.0001	0.00006 mg/L	55.48%
Co 228.616	-184.1	0.0004	0.00052 mg/L	0.0004	0.00052 mg/L	142.08%
Ni 232.003	-439.8	0.0000	0.00016 mg/L	0.0000	0.00016 mg/L	524.64%
Ba 233.527	-125.6	0.0007	0.00014 mg/L	0.0007	0.00014 mg/L	21.84%
Mn 257.610	82.7	0.0001	0.00001 mg/L	0.0001	0.00001 mg/L	7.84%
Cr 267.716	716.6	0.0000	0.00014 mg/L	0.0000	0.00014 mg/L	324.23%
Fe 273.955	181.1	0.0048	0.00051 mg/L	0.0048	0.00051 mg/L	10.73%
Mg 279.079	-583.7	0.0062	0.00091 mg/L	0.0062	0.00091 mg/L	14.69%
V 292.402	1881.0	0.0002	0.00008 mg/L	0.0002	0.00008 mg/L	38.67%
Al 308.215	5239.6	0.0062	0.00072 mg/L	0.0062	0.00072 mg/L	11.65%
Be 313.107	-12610.8	0.0000	0.00002 mg/L	0.0000	0.00002 mg/L	294.89%
Cu 324.754	8888.5	0.0015	0.00040 mg/L	0.0015	0.00040 mg/L	27.05%
Ag 338.289	203.6	0.0001	0.00080 mg/L	0.0001	0.00080 mg/L	592.09%
Na 330.237	1312.5	0.0731	0.11212 mg/L	0.0731	0.11212 mg/L	153.38%
Ca 227.547	-1183.2	0.1342	0.06676 mg/L	0.1342	0.06676 mg/L	49.76%
K 766.491	14758.5					4.80%

Form 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No./Lab Proj. No. **04050709**

Initial Calibration Source:_____SPEX_____

Continuing Calibration Source:____Inorganic Ventures

Concentration units: mg/kg

Analyte	Initial Calibration			CCV 1			CCV 2	
	TRUE	FOUND	%R(1)	TRUE	FOUND	% R(1)	FOUND	% R(1)
Mercury	5.00	5.56	111	5.00	5.49	110	5.49	110

(1) Control Limits Metals 90-110 %

Form 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No./Lab Proj. No. **04050709**

Initial Calibration Source:_____SPEX_____

Continuing Calibration Source:____Inorganic Ventures

Concentration units: mg/kg

Analyte	Initial Calibration			CCV 3				
	TRUE	FOUND	%R(1)	TRUE	FOUND	% R(1)		
Mercury	5.00	5.56	111	5.00	5.41	108		

(1) Control Limits Metals 90-110 %

000257

Form 3
BLANKS

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No./Lab Project No. **04050709**

Preparation Blank Matrix: **WATER**

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

06/01/04

Analyte	Initial Calibration Blank-ug/L Result	C	Continuing Calibration Blanks 1	C	2	C	3	C	Prepa-ration Blank Result	C	M
Mercury	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	CV

000258

Form 5A
SPIKE SAMPLE RECOVERY-AQUEOUS

SAMPLE NO./ID

04050711-01

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No. **04050709**

Matrix (soil/water):__WATER_____ Lab Sample ID: **04050711-01**

Level (low/med):____low_____

% Solids for sample: Not Applicable

Concentration Units (ug/L or mg/kG DRY WEIGHT): ____ug/L_____

Analyte	Control Limit % R	Spiked Sample Result (SSR)	C	Sample* Result (SR)	C	MDL	Spike Added(SA)	% R	Q	M
Mercury	85-115	5.16		0.00	U	0.50	5	103.2		CV

*= 0.00 is entered for elements "not detected", the associated MDL is listed in the "MDL" column

Comments:_____

_____

_____

Form 7
LABORATORY CONTROL SAMPLE

Lab Name: York Analytical Labs

Lab Code:_____Case No._____ SDG No: **04050709**

ID No. PE1100AA

LCS SOURCE:

Concentration units: ug/L (Aq.) or mg/kG (Solids)

Analyte	AQUEOUS (ug/L) TRUE	FOUND	Acceptance Limits		%R(1)	TRUE	FOUND	C	Acceptance Limits		%R(1)
Mercury	5.00	5.74	4.00	6.00	114.8						

ICP Metals MDL Determinations 01/2004

ELEMENT	AVERAGE MDL ug/mL	AVERAGE MDL ppb
As	0.0030	3.05
Tl	0.0051	5.15
Se	0.0044	4.43
Zn	0.0121	12.12
Sb	0.0022	2.17
Pb	0.0021	2.05
Cd	0.0010	0.96
Co	0.0030	3.03
Ni	0.0044	4.42
Ba	0.0482	48.20
Mn	0.0042	4.21
Cr	0.0036	3.64
Fe	0.0373	37.32
Mg	0.1495	149.48
V	0.0060	6.04
Al	0.0663	66.27
Be	0.0008	0.84
Cu	0.0048	4.78
Ag	0.0057	5.71
Na	0.2132	213.24
Ca	0.1810	181.01

6/1/04

STANDARDS DATA

Description	Units	enter here!!! Absorbance	Blank Corr. Absorbance
Blank	ug/L	0.003	
0.5	ug/L	0.015	0.012
1	ug/L	0.03	0.027
2	ug/L	0.058	0.055
5	ug/L	0.144	0.141
10	ug/L	0.274	0.271
SLOPE		**36.6376**	
y-INTERCEPT		**-0.0077**	
CORRELATION		**0.9997**	

QA/QCDATA

Sample/QC ID	QA/QC	Absorbance	Blank Corr. Absorbance	Dilution FACTOR	QC Data RECOVERY,% RPD	Comment	RESULT mg/L
LCS for Hg @ 0.005 mg/L	LCS	0.16	0.157	1	114.9	% Accuracy	5.74438
04050711-01	Spike@0.005 mg/L	0.144	0.141	1	104.8	% Recovery	5.15818
1	Unspiked	0.001	-0.002	1			-0.08100
1	Sample Duplicate	0.001	-0.002	1			-0.08100
1	Sample	0.001	-0.002	1	0.0	RPD	-0.08100
ICV	ICV	0.155	0.152	1			0.00556
ICB	ICB	0.001	-0.002	1			-0.00008
CCV	CCV	0.153	0.15	1			0.00549
CCB	CCB	0.002	-0.001	1			-0.00004
CCV	CCV	0.153	0.15	1			0.00549
CCB	CCB	0.001	-0.002	1			-0.00008
CCV	CCV	0.151	0.148	1			0.00541
CCB	CCB	0.002	-0.001	1			-0.00004
CCV	CCV	0.15	0.147	1			0.00538
CCB	CCB	0.002	-0.001	1			-0.00004
CCV	CCV	0.153	0.15	1			0.00549
CCB	CCB	0.001	-0.002	1			-0.00008
CCV	CCV	0.151	0.148	1			0.00541
CCB	CCB	0.002	-0.001	1			-0.00004
CCV	CCV		-0.003	1			-0.00012
CCB	CCB		-0.003	1			-0.00012

SAMPLE DATA-WATERS

Sample ID		Absorbance		Dil. Factor			RAW RESULT	REPORT WATER MG/L	REPORT LEACH MG/L
04050688-01		0.002	-0.001	1			-0.00004	Not Detected	Not Detected
2		0.002	-0.001	1			-0.00004	Not Detected	Not Detected
3		0.002	-0.001	1			-0.00004	Not Detected	Not Detected
4		0.003	0	1			-0.00001	Not Detected	Not Detected
5		0.003	0	1			-0.00001	Not Detected	Not Detected
6		0.003	0	1			-0.00001	Not Detected	Not Detected
7		0.003	0	1			-0.00001	Not Detected	Not Detected
8		0.002	-0.001	1			-0.00004	Not Detected	Not Detected
689-05		0.024	0.021	1			0.00076	0.0008	0.0008
6		0.001	-0.002	10			-0.00081	Not Detected	Not Detected
7		0.008	0.005	1			0.00018	0.0002	Not Detected
700-01		0.001	-0.002	1			-0.00008	Not Detected	Not Detected
709-01		0.001	-0.002	1			-0.00008	Not Detected	Not Detected
2		0.007	0.004	1			0.00014	Not Detected	Not Detected
711-01		0.001	-0.002	1			-0.00008	Not Detected	Not Detected
2		0.003	0	1			-0.00001	Not Detected	Not Detected
689-01		0.003	0	1			-0.00001	Not Detected	Not Detected
3		0.055	0.052	1			0.00190	0.0019	0.0019
4		0.003	0	1			-0.00001	Not Detected	Not Detected
698-09		0.001	-0.002	1			-0.00008	Not Detected	Not Detected
714-04		0.001	-0.002	1			-0.00008	Not Detected	Not Detected
762-01		0.001	-0.002	1			-0.00008	Not Detected	Not Detected
2		0.001	-0.002	1			-0.00008	Not Detected	Not Detected
772-01		0.001	-0.002	1			-0.00008	Not Detected	Not Detected

DATE 6/1/04 YORK ANALYTICAL LABORATORIES PAGE 1 OF
MERCURY COLD VAPOR ATOMIC ABSORPTION LOG ANALYST AA

SAMPLE ID	ABS @ 253.7 NM	(G) OR (MLS) USED	DIL	AMOUNT FOUND IN DIGESTATE	FINAL CONCEN-TRATION	COMMENT
BLANK	0.003					
STD 0.5	0.015					
STD 1.0	0.030					
STD 2.0	0.058					
STD 5.0	0.144					
STD 10.0	0.274					
ICV	0.155					
ICB	0.001					
LCS (AQ)	0.160					
LCS (SOIL)	0.101		1.5			
CCV	0.153					
CCB	0.002					
PBLK	0.002					
SAMPLE- 8405068 8-01	0.002					water
SAMPLE- -02	0.002					
SAMPLE- -03	0.002					
SAMPLE- -04	0.003					
SAMPLE- -05	0.003					
SAMPLE- -06	0.003					
SAMPLE- -07	0.003					
SAMPLE- -08	0.002					
SAMPLE- 689-05	0.024					
CCV	0.153					
CCB	0.001					
SAMPLE- 8405068 9-06	0.001		1.10			
SAMPLE- -07	0.008					
SAMPLE- 700-01	0.001					
SAMPLE- 709-01	0.001					
SAMPLE- -02	0.007					
SAMPLE- 711-01	0.001					
SAMPLE- DUP -01	0.001					
SAMPLE- SPK -01	0.144					
SAMPLE- 711-02	0.003					
SAMPLE- 689-01	0.003					
CCV	0.151					
CCB	0.002					

Continuation of Batch

Mercury Cold Vapor Atomic Absorption Log

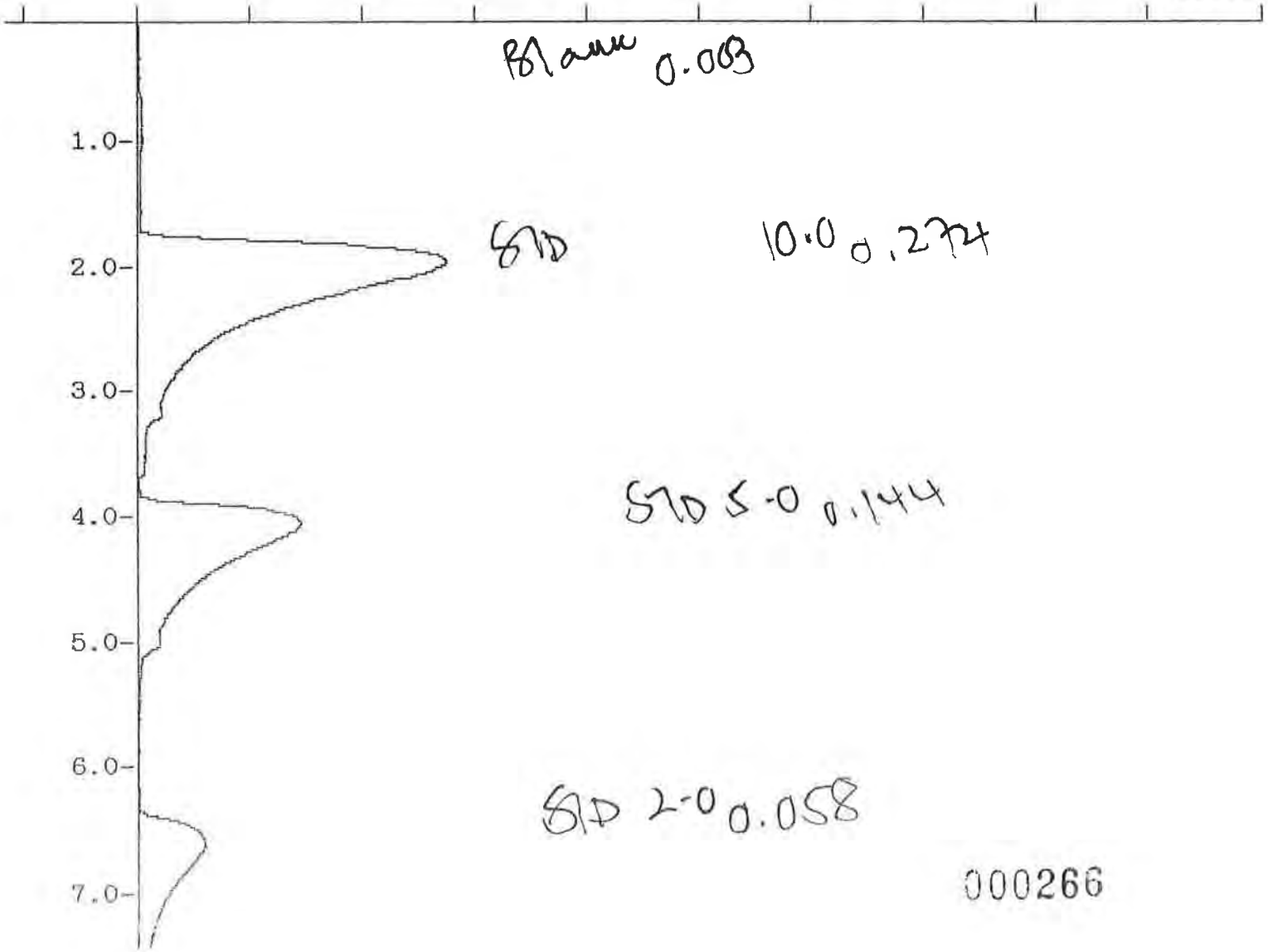
Date: 6/1/04 Batch ID: QB116 Analyst: AA Dec-98

Sample ID	Absorbance @ 253.7nm	WA (g.) or Volume (mls) used	Dilution Factor	Amount Found in Digestate ug/L or ug/Kg	Final Concentration	Comments
Sample 84050689-01	0.054					Water
Sample -04	0.003					
Sample 698-09	0.001					
Sample 714-04	0.001					
Sample 762-01	0.001					
Sample -02	0.001					
Sample 772-01	0.001					
Sample BLANK (soil)	0.005					Soil
Sample 84050689-01	0.093					
Sample -03	0.620		1:10			
CCV	0.150					
CCB	0.002					
Sample 84050689-04	0.105					
Sample 710-01	0.002					
Sample DUP -01	0.002					
Sample SPK -01	0.155					
Sample 720-01	0.003					
Sample -02	0.009					
Sample 84060003-01	0.007					
Sample -02	0.006					
Sample -04	0.003					
Sample -05	0.007					
CCV	0.153					
CCB	0.001					
Sample 84060003-06	0.004					
Sample -07	0.003					
Sample -08	0.018					
Sample -09	0.005					
Sample -10	0.002					
Sample -11	0.009					
Sample -12	0.020					
Sample						
Sample						
Sample						
CCV	0.151					
CCB	0.002					

ELEMENT	:	HG
WAVELENGTH (NM)	:	253.8
SLIT (NM)	:	0.7 H
ENERGY	:	63
TIME (SECONDS)	:	0.5
MODE	:	AA

(ABSORBANCE)

1.000

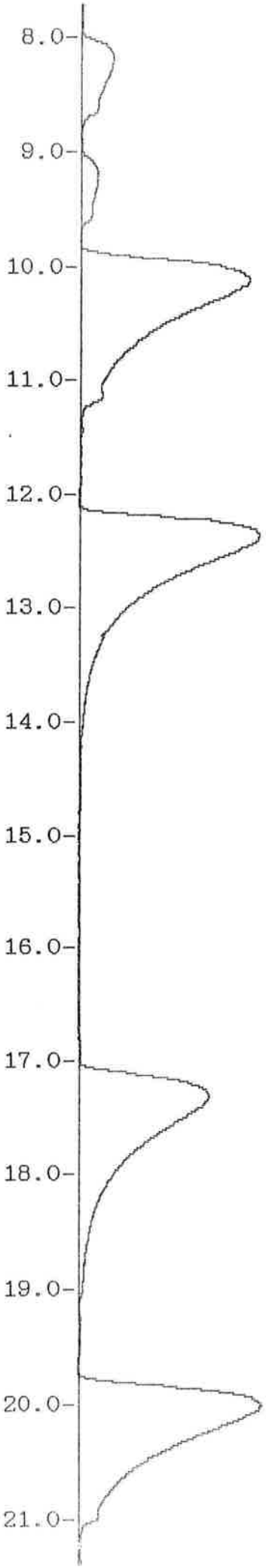


Blank 0.003

STD 10.0 0.274

STD 5.0 0.144

STD 2.0 0.058



STD 1.0 0.030

SIB 0.5 0.015

ICW 0.155

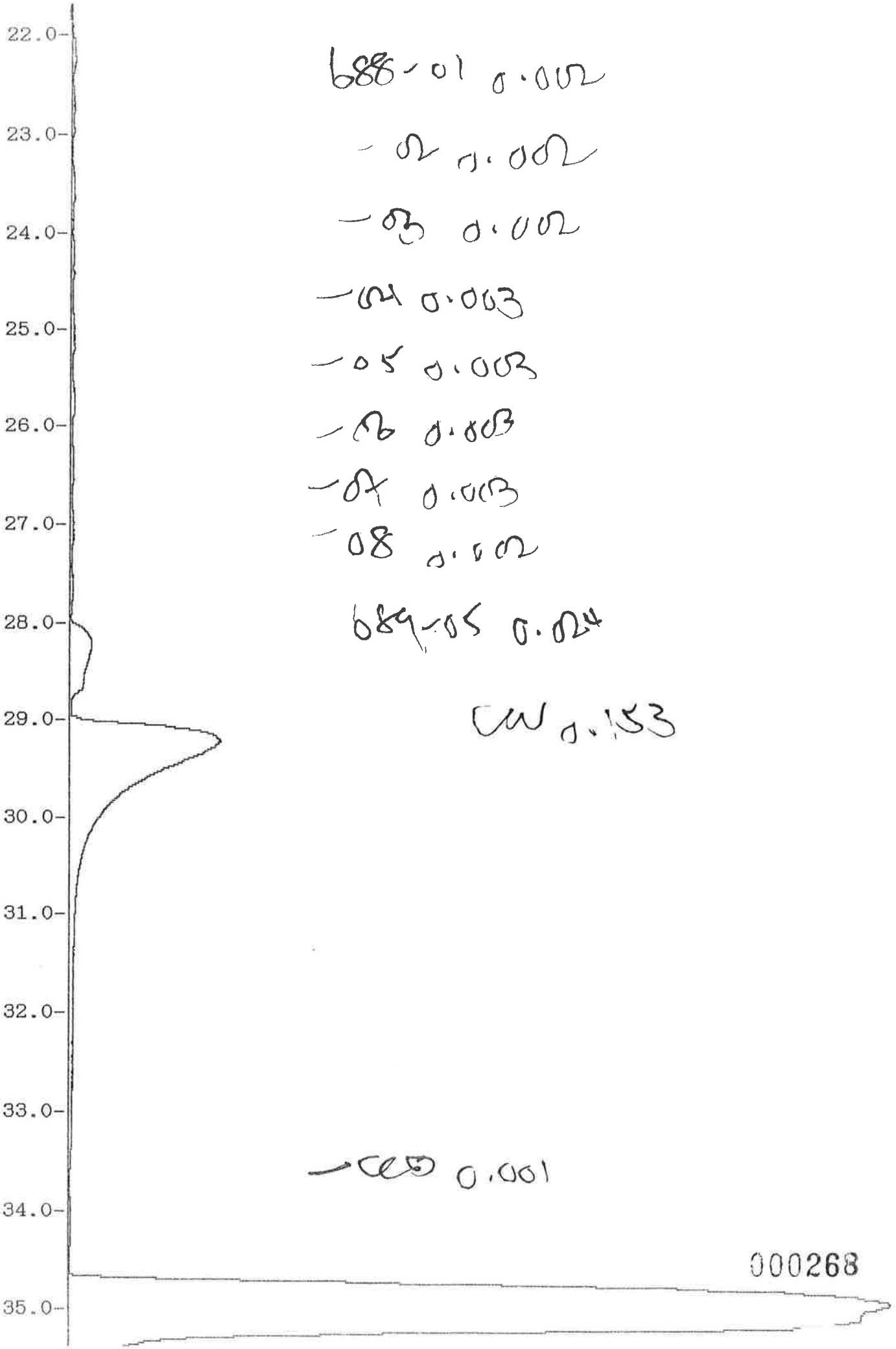
ICB 0.001

LCS(AQ) 0.164

DCS(GAIL) 0.101

CCV 0.153

CCB 0.001



688-01 0.002

-02 0.002

-03 0.002

-04 0.003

-05 0.003

-06 0.003

-07 0.003

-08 0.002

689-05 0.024

CW 0.153

-CB 0.001

000268

36.0

37.0

38.0

39.0

40.0

41.0

42.0

43.0

44.0

45.0

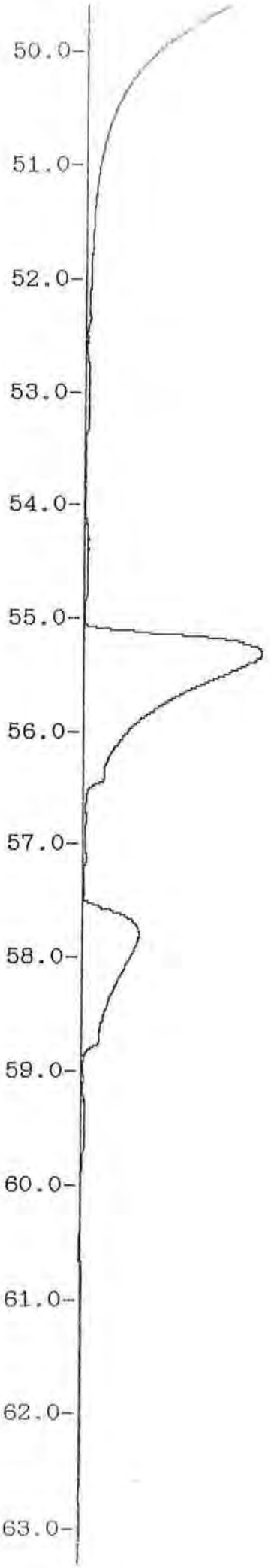
46.0

47.0

48.0

49.0

000269



711-02 0.002

689-01 0.003

Cu 0.151

-CeB 0.002

-B 0.055

-04 0.003

689-09 0.001

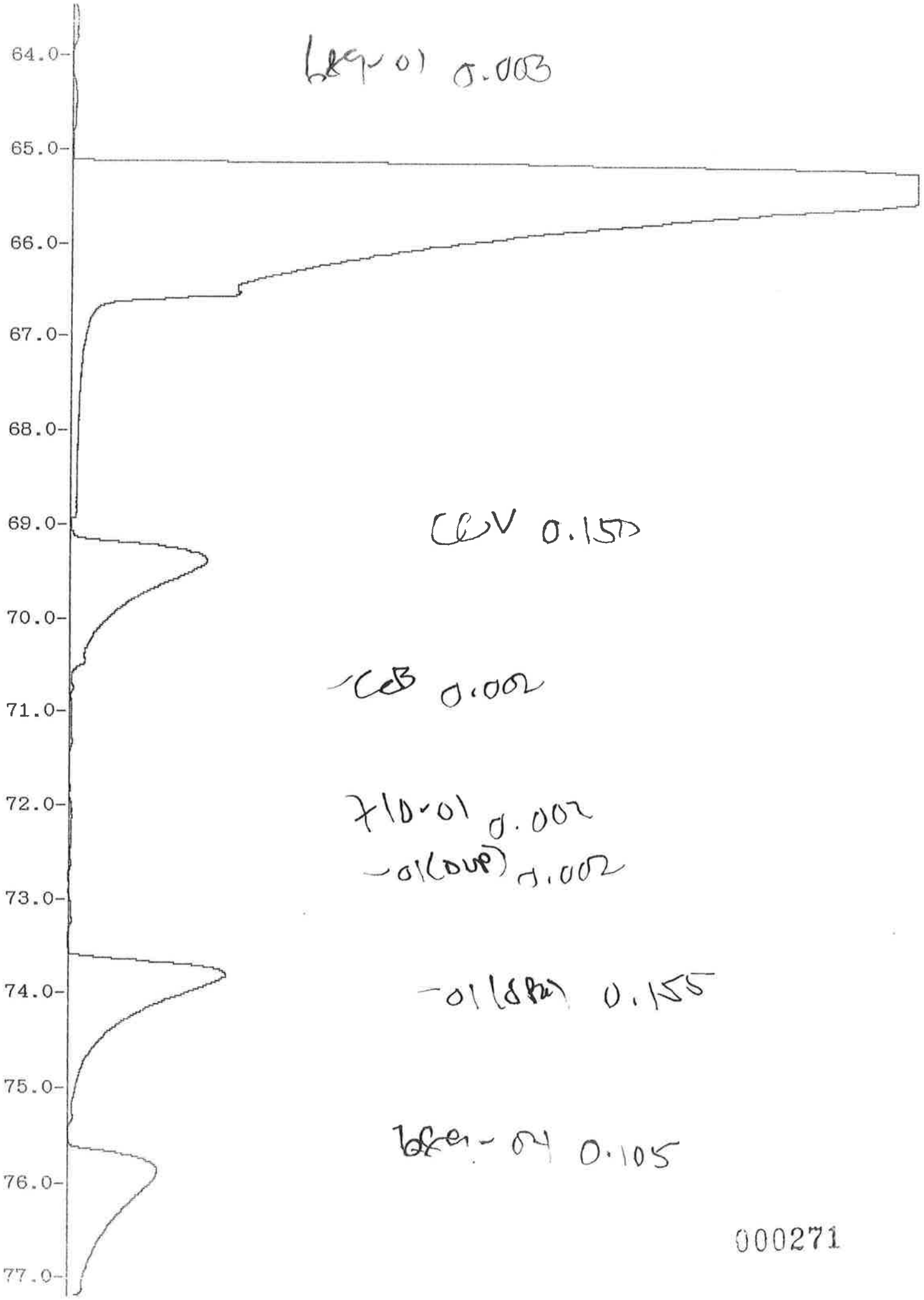
714-04 0.001

762-01 0.001

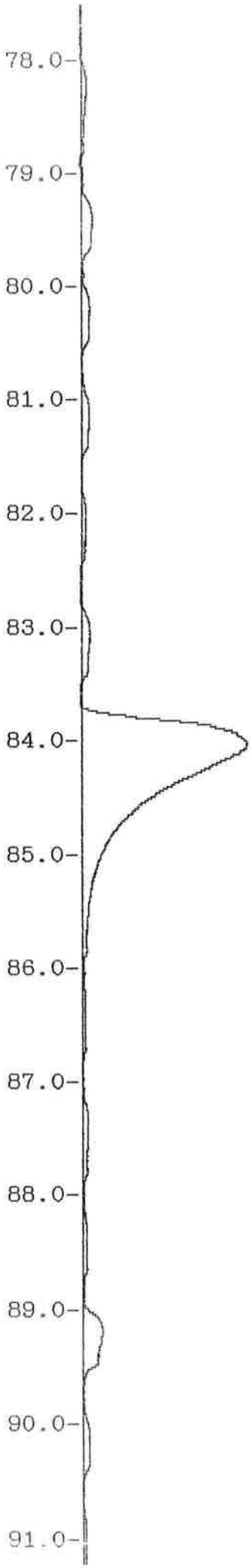
-02 0.001

772-01 0.001

Scandium (S) 0.005


64.0
65.0
66.0
67.0
68.0
69.0
70.0
71.0
72.0
73.0
74.0
75.0
76.0
77.0
LBG-01 0.003
CBV 0.157
CB 0.002
710-01 0.002
-01(DUP) 0.002
-01(SPK) 0.155
LBG-04 0.105

000271



720-01 0.003

-02 0.009

003-01 0.007

-02 0.080

-04 0.003

-05 0.007

-CW 0.153

-CCB 0.001

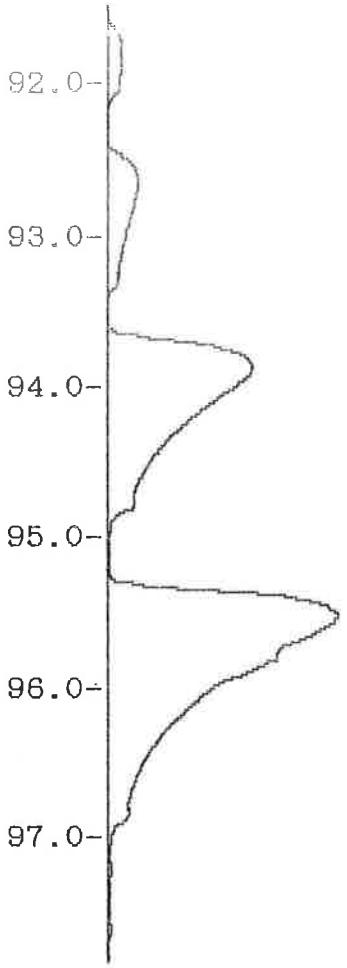
-06 0.004

-07 0.003

-08 0.018

-09 0.005

-10 0.002



-11 0.007

-12 0.020

bBq- 13 0.170 (1:1.7)

CEs 0.151

-CE3 0.052

Mercury MDL STUDY 01/29/04

ELEMENT	1 ppm	2 ppm	3 ppm	4 ppm	5 ppm	6 ppm	7 ppm	AVERAGE	STD DEV	mg/L MDL A
Hg	0.001040	0.000950	0.000880	0.000910	0.000880	0.000910	0.000880	0.000921	0.000058	0.000174

000274

Date: 5/28/04

Cyanide (CN)

Type	Sample ID	S	Sample size	Dilution	Absorbance @ 578 nm	CN (mg/L) Curve	CN (mg/L) Final Conc.	CN (mg/kg) Final Conc.
	Reagent Blank		50		0.00	~~0.227~~ ID	0.227	
SB-17	LCS 0.2846 mg/L			2X	0.436	~~0.436~~ 0.436	~~0.436~~	93%
	Standard (0.20 mg/L)				0.780	0.203	0.203	101%
	04050688-01				0.00	ND	ND	
	-02							
	-03							
	-04							
	-05							
	-06							
	-07							
	-08							
	-09							
	04050709-01							
	-02							
	04050711-01							
	-02							
	Duplicate 688-01							
	Spike 688-01 +0.2mg/L				0.740	0.193	0.193	96%
	Comments							
	Analyst NS							

000275

YORK LABORATORY REPORT
AND
CHAIN-OF-CUSTODY DOCUMENTATION
FOR
GROUNDWATER SAMPLES COLLECTED
OCTOBER 21, 2008

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Report Date: 11/11/2008
Re: Client Project ID: Harmon Yard OU2 AI 3-4
York Project No.: 08110138

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 11/11/2008
Client Project ID: Harmon Yard OU2 AI 3-4
York Project No.: 08110138

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster
Fisher Lane
White Plains, New York 10603
Mr. Ken McHale, Assistant Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 11/05/08. The project was identified as your project "Harmon Yard OU2 AI 3-4".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			AI 3-4	
York Sample ID			08110138-01	
Matrix			OIL	
Parameter	Method	Units	Results	MDL
PCB	SW846/EPA	mg/kG	---	---
PCB 1016			Not detected	1.0
PCB 1221			Not detected	1.0
PCB 1232			Not detected	1.0
PCB 1242			Not detected	1.0
PCB 1248			Not detected	1.0
PCB 1254			Not detected	1.0
PCB 1260			2.80	1.0
PCB, Total			2.80	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 11/11/2008
Client Project ID: Harmon Yard OU2 AI 3-4
York Project No.: 08110138

Notes for York Project No. 08110138

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 11/11/2008
Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

08110138

Company Name	Report To:	Invoice To:	Project ID/No.	
MNR	Roszak DAY McHale MNR	MNR	Harmon Yard OU2 AI 3-4	T Roszak Samples Collected By (Signature) TOM ROSZAK Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
	AI 3-4	10/21/08				OIL	PCBs	4 oz jar

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	T Roszak Sample Relinquished by	10/21/08 11:00 Date/Time	Sample Received by	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	11/5/08 12 Date/Time

Comments/Special Instructions

3 Qt

Turn-Around Time

X Standard ___ RUSH(define)_____

YORK LABORATORY REPORT
AND
CHAIN-OF-CUSTODY DOCUMENTATION
FOR
GROUNDWATER SAMPLES COLLECTED
April 7, 2010

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 04/23/2010
Client Project ID: MNR Harmon OU 2
York Project (SDG) No.: 10D0353

Report Date: 04/23/2010
Client Project ID: MNR Harmon OU 2
York Project (SDG) No.: 10D0353

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 09, 2010 and listed below. The project was identified as your project: **MNR Harmon OU 2**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

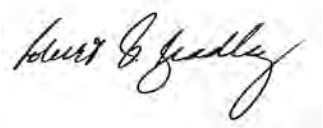
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10D0353-01	VE 1-2	Water	04/07/2010	04/09/2010
10D0353-02	VE 1-5	Water	04/07/2010	04/09/2010
10D0353-03	VE 1-10	Water	04/07/2010	04/09/2010
10D0353-04	AI 1-5	Water	04/07/2010	04/09/2010
10D0353-05	AI 1-16	Water	04/07/2010	04/09/2010
10D0353-06	VE 2-1	Water	04/07/2010	04/09/2010
10D0353-07	AI 3-3	Water	04/07/2010	04/09/2010
10D0353-08	VE 4-1	Water	04/07/2010	04/09/2010
10D0353-09	VE 4-11	Water	04/07/2010	04/09/2010
10D0353-10	VE 4-13	Water	04/07/2010	04/09/2010
10D0353-11	AI 1-16B	Water	04/07/2010	04/09/2010

General Notes for York Project (SDG) No.: 10D0353

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 04/23/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 10D0353-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
91-20-3	**Naphthalene**	**5.9**		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/16/2010 19:54	04/16/2010 19:54	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/15/2010 17:02	TD

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 10D0353-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 09:43	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 09:43	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 09:43	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 09:43	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 09:43	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 09:43	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 09:43	JW

Sample Information

Client Sample ID: VE 1-5 **York Sample ID:** 10D0353-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/16/2010 20:41	04/16/2010 20:41	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD

Sample Information

Client Sample ID: VE 1-5 **York Sample ID:** 10D0353-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:03	TD

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 10:21	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 10:21	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 10:21	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 10:21	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 10:21	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 10:21	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 10:21	JW

Sample Information

Client Sample ID: VE 1-10 **York Sample ID:** 10D0353-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS

Sample Information

Client Sample ID: VE 1-10 **York Sample ID:** 10D0353-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/16/2010 21:27	04/16/2010 21:27	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 02:35	TD

Sample Information

Client Sample ID: VE 1-10 **York Sample ID:** 10D0353-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:00	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:00	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:00	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:00	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:00	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:00	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:00	JW

Sample Information

Client Sample ID: AI 1-5 **York Sample ID:** 10D0353-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/16/2010 22:14	04/16/2010 22:14	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD

Sample Information

Client Sample ID: AI 1-5 **York Sample ID:** 10D0353-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:07	TD

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:39	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:39	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:39	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:39	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:39	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:39	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 11:39	JW

Sample Information

Client Sample ID: AI 1-16 **York Sample ID:** 10D0353-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS

Sample Information

Client Sample ID: AI 1-16 **York Sample ID:** 10D0353-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/16/2010 23:00	04/16/2010 23:00	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 03:39	TD

Sample Information

Client Sample ID: AI 1-16 **York Sample ID:** 10D0353-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

PCB (Polychlorinated Biphenyls) **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:18	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:18	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:18	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:18	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:18	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:18	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:18	JW

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 10D0353-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/16/2010 23:47	04/16/2010 23:47	SS

Semi-Volatiles, STARS List **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 10D0353-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:10	TD

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:57	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:57	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:57	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:57	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:57	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:57	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 12:57	JW

Sample Information

Client Sample ID: AI 3-3 **York Sample ID:** 10D0353-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS

Sample Information

Client Sample ID: AI 3-3 **York Sample ID:** 10D0353-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/17/2010 00:33	04/17/2010 00:33	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 04:42	TD

Sample Information

Client Sample ID: AI 3-3 **York Sample ID:** 10D0353-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:13	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:13	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:13	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:13	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:13	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:13	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:13	JW

Sample Information

Client Sample ID: VE 4-1 **York Sample ID:** 10D0353-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/17/2010 01:20	04/17/2010 01:20	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD

Sample Information

Client Sample ID: VE 4-1 **York Sample ID:** 10D0353-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:13	TD

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:51	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:51	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:51	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:51	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0764	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:51	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:51	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0888	0.105	1	EPA Method 608	04/14/2010 13:12	04/20/2010 16:51	JW

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 10D0353-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 10D0353-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/17/2010 02:06	04/17/2010 02:06	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 05:45	TD

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 10D0353-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 17:30	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 17:30	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 17:30	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 17:30	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 17:30	JW
11097-69-1	**Aroclor 1254**	**1.22**		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 17:30	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 17:30	JW

Sample Information

Client Sample ID: VE 4-13 **York Sample ID:** 10D0353-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
98-82-8	**Isopropylbenzene**	**0.95**	J	ug/L	0.39	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
91-20-3	**Naphthalene**	**1.2**	J	ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
103-65-1	**n-Propylbenzene**	**1.4**	J	ug/L	0.58	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/17/2010 02:53	04/17/2010 02:53	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD

Sample Information

Client Sample ID: VE 4-13 **York Sample ID:** 10D0353-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:16	TD

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:09	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:09	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:09	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:09	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:09	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:09	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:09	JW

Sample Information

Client Sample ID: AI 1-16B **York Sample ID:** 10D0353-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS

Sample Information

Client Sample ID: AI 1-16B **York Sample ID:** 10D0353-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

Volatile Organics, STARS List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/17/2010 03:39	04/17/2010 03:39	SS

Semi-Volatiles, STARS List

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
208-96-8	Acenaphthylene	ND		ug/L	9.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
120-12-7	Anthracene	ND		ug/L	7.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	8.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	10	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	7.3	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
218-01-9	Chrysene	ND		ug/L	8.7	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.5	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
206-44-0	Fluoranthene	ND		ug/L	3.4	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
86-73-7	Fluorene	ND		ug/L	6.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	5.8	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
91-20-3	Naphthalene	ND		ug/L	8.1	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
85-01-8	Phenanthrene	ND		ug/L	7.6	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD
129-00-0	Pyrene	ND		ug/L	5.0	11	1	EPA SW-846 8270C	04/14/2010 10:20	04/17/2010 06:48	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: AI 1-16B **York Sample ID:** 10D0353-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0353	MNR Harmon OU 2	Water	April 7, 2010 3:00 pm	04/09/2010

PCB (Polychlorinated Biphenyls)

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:47	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:47	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:47	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:47	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0363	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:47	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:47	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0422	0.0500	1	EPA Method 608	04/14/2010 13:12	04/20/2010 18:47	JW

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

OU2 well sample for closure consideration 10D0353

Company Name	Report To:	Invoice To:	Project ID/No.	
MNR	MNR McHale DAY Roszak	MNR	MNR Harmon OU2	TRozck Samples Collected By (Signature) Tom Roszak Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
VE 1-2								
VE 1-5								
VE 1-10								
AI 1-5								
AI 1-16								
VE 2-1								
AI 3-3								
VE 4-1								
VE 4-11								
VE 4-13								

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	TRozck	4/8/10 1145
		Sample Relinquished by	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time
		Sample Received by	Date/Time
		PGrace	4/9/10 1210 e 4.4
		Sample Received in LAB by	Date/Time

Comments/Special Instructions

Turn-Around Time

X Standard ___ RUSH(define)_____

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

10 Do 353

Company Name	Report To:	Invoice To:	Project ID/No.	
MNR	MNR McHale DAY Roszck	MNR	MNR Harman OU2	T Roszck Samples Collected By (Signature) Tom Roszck Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
AI 1-16B								

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	T Roszck	4/8/10 1145		
		Sample Relinquished by	Date/Time	Sample Received by	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	P. Grace 4/9/10 1210 @ 4.4.	
				Sample Received in LAB by	Date/Time

Comments/Special Instructions

Turn-Around Time

X Standard ___ RUSH(define)_____

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

OU2 well sample for closure consideration 10D0353

Company Name	Report To:	Invoice To:	Project ID/No.	
MNR	MNR McHale DAY Roszak	MNR	MNR Harmon OU2	T Roszak Samples Collected By (Signature) Tom Roszak Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
VE 1-2		4/7/10					STARS 8260 + STARS 8270 & PCB's (8082) (Low)	1 l & 2 VOA
VE 1-5								
VE 1-10								
AI 1-5								
AI 1-16								
VE 2-1								
AI 3-3								
VE 4-1								
VE 4-11								
VE 4-13								

Split 1 l amber for PCB's and PAH's

- as per Tom Roszak 4/12/10

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	T Roszak	4/8/10 1145	Sample Received by	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	P Grace 4/9/10	1210 @ 4.4
				Sample Received in LAB by	Date/Time

Comments/Special Instructions: Left message for Tom Roszak 4/12/10

Turn-Around Time
X Standard ___ RUSH(define)_____

YORK LABORATORY REPORT
AND
CHAIN-OF-CUSTODY DOCUMENTATION
FOR
GROUNDWATER SAMPLES COLLECTED
March 27-28, 2012

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 04/05/2012
Client Project ID: Harmon OU 2
York Project (SDG) No.: 12C1038

Report Date: 04/05/2012
Client Project ID: Harmon OU 2
York Project (SDG) No.: 12C1038

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 29, 2012 and listed below. The project was identified as your project: **Harmon OU 2**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12C1038-01	VE 1-2	Water	03/27/2012	03/29/2012
12C1038-02	VE 1-4	Water	03/27/2012	03/29/2012
12C1038-03	VE 2-1	Water	03/28/2012	03/29/2012
12C1038-04	VE 3-1	Water	03/27/2012	03/29/2012
12C1038-05	VE 4-11	Water	03/27/2012	03/29/2012
12C1038-06	DAY 1	Water	03/27/2012	03/29/2012
12C1038-07	FB	Water	03/28/2012	03/29/2012

General Notes for York Project (SDG) No.: 12C1038

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 04/05/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 12C1038-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
91-20-3	**Naphthalene**	**1.7**	J, B	ug/L	0.50	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:12	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.0 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.4 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*97.7 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.15	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
83-32-9	Acenaphthene	ND		ug/L	3.32	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
208-96-8	Acenaphthylene	ND		ug/L	4.38	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
120-12-7	Anthracene	ND		ug/L	3.75	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	4.17	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	4.97	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.23	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.54	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
218-01-9	Chrysene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.18	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 12C1038-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	1.64	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
86-73-7	Fluorene	ND		ug/L	3.31	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.82	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
91-20-3	Naphthalene	ND		ug/L	3.96	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
85-01-8	Phenanthrene	ND		ug/L	3.70	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR
129-00-0	Pyrene	ND		ug/L	2.43	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:10	SR

	Surrogate Recoveries	Result		Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*31.2 %*		*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*26.3 %*	*S-04*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*39.4 %*		*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW
1336-36-3	Total PCBs	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:17	JW

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*104 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*104 %*		*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:43	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.000900	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:43	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 12C1038-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00160	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:43	MW

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:43	MW

Sample Information

Client Sample ID: VE 1-4 **York Sample ID:** 12C1038-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
91-20-3	**Naphthalene**	**0.93**	J, B	ug/L	0.50	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 02:56	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.5 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.9 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: VE 1-4 **York Sample ID:** 12C1038-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.15	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
83-32-9	Acenaphthene	ND		ug/L	3.32	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
208-96-8	Acenaphthylene	ND		ug/L	4.38	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
120-12-7	Anthracene	ND		ug/L	3.75	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	4.17	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	4.97	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.23	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.54	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
218-01-9	Chrysene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.18	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
206-44-0	Fluoranthene	ND		ug/L	1.64	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
86-73-7	Fluorene	ND		ug/L	3.31	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.82	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
91-20-3	Naphthalene	ND		ug/L	3.96	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
85-01-8	Phenanthrene	ND		ug/L	3.70	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR
129-00-0	Pyrene	ND		ug/L	2.43	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 04:42	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*48.8 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*39.6 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*71.3 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0382	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0382	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0382	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0382	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0382	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0444	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0444	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0444	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0444	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW
1336-36-3	Total PCBs	ND		ug/L	0.0382	0.0526	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 15:55	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*112 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*91.0 %*	*30-150*

Sample Information

Client Sample ID: VE 1-4 **York Sample ID:** 12C1038-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:48	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.000900	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:48	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00160	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:48	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.0314**		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:48	MW

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 12C1038-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 28, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 12C1038-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 28, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 03:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.4 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.0 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.4 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.15	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
83-32-9	Acenaphthene	ND		ug/L	3.32	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
208-96-8	Acenaphthylene	ND		ug/L	4.38	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
120-12-7	Anthracene	ND		ug/L	3.75	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	4.17	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	4.97	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.23	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.54	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
218-01-9	Chrysene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.18	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
206-44-0	Fluoranthene	ND		ug/L	1.64	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
86-73-7	Fluorene	ND		ug/L	3.31	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.82	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
91-20-3	Naphthalene	ND		ug/L	3.96	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
85-01-8	Phenanthrene	ND		ug/L	3.70	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR
129-00-0	Pyrene	ND		ug/L	2.43	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:14	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.6 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*47.2 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*73.2 %*	*30-130*

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 12C1038-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 28, 2012 3:00 pm	03/29/2012

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW
1336-36-3	Total PCBs	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 16:30	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:52	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.000900	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:52	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**0.00902**		mg/L	0.00160	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:52	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:52	MW

Sample Information

Client Sample ID: VE 3-1 **York Sample ID:** 12C1038-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Sample Information

Client Sample ID: VE 3-1 **York Sample ID:** 12C1038-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**3.4**	J	ug/L	0.53	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
108-67-8	**1,3,5-Trimethylbenzene**	**1.9**	J	ug/L	0.37	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
108-90-7	**Chlorobenzene**	**2.6**	J	ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
91-20-3	**Naphthalene**	**5.6**	J, B	ug/L	0.50	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
104-51-8	**n-Butylbenzene**	**1.1**	J	ug/L	0.32	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
99-87-6	**p-Isopropyltoluene**	**1.5**	J	ug/L	0.25	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 04:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*93.0 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.7 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.15	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
83-32-9	Acenaphthene	ND		ug/L	3.32	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
208-96-8	Acenaphthylene	ND		ug/L	4.38	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
120-12-7	Anthracene	ND		ug/L	3.75	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	4.17	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	4.97	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.23	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.54	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
218-01-9	Chrysene	ND		ug/L	4.26	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.18	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
206-44-0	Fluoranthene	ND		ug/L	1.64	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR

Sample Information

Client Sample ID: VE 3-1 **York Sample ID:** 12C1038-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/L	3.31	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.82	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
91-20-3	Naphthalene	ND		ug/L	3.96	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
85-01-8	Phenanthrene	ND		ug/L	3.70	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR
129-00-0	Pyrene	ND		ug/L	2.43	5.13	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 05:46	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.8 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*46.0 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*69.4 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW
1336-36-3	Total PCBs	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:00	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.0 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:57	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.000900	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:57	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: VE 3-1 **York Sample ID:** 12C1038-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00160	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:57	MW

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 20:57	MW

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 12C1038-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**1.1**	J	ug/L	0.53	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
91-20-3	**Naphthalene**	**4.0**	J, B	ug/L	0.50	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:09	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*88.3 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.9 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 12C1038-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.32	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
83-32-9	Acenaphthene	ND		ug/L	3.50	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
208-96-8	Acenaphthylene	ND		ug/L	4.62	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
120-12-7	Anthracene	ND		ug/L	3.96	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	4.40	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	5.24	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.45	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.49	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.74	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
218-01-9	Chrysene	ND		ug/L	4.49	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.35	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
206-44-0	Fluoranthene	ND		ug/L	1.72	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
86-73-7	Fluorene	ND		ug/L	3.49	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.97	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
91-20-3	Naphthalene	ND		ug/L	4.18	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
85-01-8	Phenanthrene	ND		ug/L	3.90	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR
129-00-0	Pyrene	ND		ug/L	2.56	5.41	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:18	SR

	Surrogate Recoveries	Result		Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*17.8 %*	*S-04*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*17.8 %*	*S-04*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*24.9 %*	*S-04*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0403	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0403	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0403	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0403	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0403	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0469	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0469	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0469	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0469	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW
1336-36-3	Total PCBs	ND		ug/L	0.0403	0.0556	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 17:39	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.0 %*	*30-150*

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 12C1038-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:15	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.000900	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:15	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**0.00764**		mg/L	0.00160	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:15	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:15	MW

Sample Information

Client Sample ID: DAY 1 **York Sample ID:** 12C1038-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
91-20-3	**Naphthalene**	**1.9**	J, B	ug/L	0.50	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS

Sample Information

Client Sample ID: **DAY 1** **York Sample ID:** **12C1038-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
108-88-3	**Toluene**	**1.2**	J	ug/L	0.23	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 05:53	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.0 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.9 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.24	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
83-32-9	Acenaphthene	ND		ug/L	3.41	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
208-96-8	Acenaphthylene	ND		ug/L	4.50	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
120-12-7	Anthracene	ND		ug/L	3.85	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	4.28	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	5.10	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.34	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.37	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.64	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
218-01-9	Chrysene	ND		ug/L	4.37	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.26	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
206-44-0	Fluoranthene	ND		ug/L	1.68	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
86-73-7	Fluorene	ND		ug/L	3.39	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.89	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
91-20-3	Naphthalene	ND		ug/L	4.07	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
85-01-8	Phenanthrene	ND		ug/L	3.80	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR
129-00-0	Pyrene	ND		ug/L	2.49	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 06:51	SR

	Surrogate Recoveries	Result		Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*15.8 %*	*S-04*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*12.8 %*	*S-04*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*20.6 %*	*S-04*	*30-130*

Sample Information

Client Sample ID: DAY 1 **York Sample ID:** 12C1038-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 27, 2012 3:00 pm	03/29/2012

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0392	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0392	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0392	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0392	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0392	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0456	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0456	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0456	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0456	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW
1336-36-3	Total PCBs	ND		ug/L	0.0392	0.0541	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 13:44	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.5 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:19	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.000900	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:19	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00160	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:19	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:19	MW

Sample Information

Client Sample ID: FB **York Sample ID:** 12C1038-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 28, 2012 3:00 pm	03/29/2012

Sample Information

Client Sample ID: FB **York Sample ID:** 12C1038-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 28, 2012 3:00 pm	03/29/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	04/02/2012 14:43	04/04/2012 06:38	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.2 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.6 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.8 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.24	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
83-32-9	Acenaphthene	ND		ug/L	3.41	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
208-96-8	Acenaphthylene	ND		ug/L	4.50	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
120-12-7	Anthracene	ND		ug/L	3.85	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	4.28	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	5.10	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.34	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.37	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.64	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
218-01-9	Chrysene	ND		ug/L	4.37	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.26	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR

Sample Information

Client Sample ID: FB **York Sample ID:** 12C1038-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 28, 2012 3:00 pm	03/29/2012

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	1.68	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
86-73-7	Fluorene	ND		ug/L	3.39	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.89	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
91-20-3	Naphthalene	ND		ug/L	4.07	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
85-01-8	Phenanthrene	ND		ug/L	3.80	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR
129-00-0	Pyrene	ND		ug/L	2.49	5.26	1	EPA SW-846 8270C	04/02/2012 07:55	04/03/2012 07:23	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.2 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*50.2 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*78.2 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0433	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW
1336-36-3	Total PCBs	ND		ug/L	0.0372	0.0513	1	EPA SW 846-8082	04/02/2012 15:17	04/03/2012 18:17	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.0 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:37	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.000900	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:37	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: FB

York Sample ID: 12C1038-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1038	Harmon OU 2	Water	March 28, 2012 3:00 pm	03/29/2012

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00160	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:37	MW

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 21:37	MW

Analytical Batch Summary

Batch ID: BD20008 **Preparation Method:** EPA 3510C **Prepared By:** KAM

YORK Sample ID	Client Sample ID	Preparation Date
12C1038-01	VE 1-2	04/02/12
12C1038-02	VE 1-4	04/02/12
12C1038-03	VE 2-1	04/02/12
12C1038-04	VE 3-1	04/02/12
12C1038-05	VE 4-11	04/02/12
12C1038-06	DAY 1	04/02/12
12C1038-07	FB	04/02/12
BD20008-BLK1	Blank	04/02/12
BD20008-BS1	LCS	04/02/12
BD20008-MS1	Matrix Spike	04/02/12
BD20008-MSD1	Matrix Spike Dup	04/02/12

Batch ID: BD20051 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAM

YORK Sample ID	Client Sample ID	Preparation Date
12C1038-01	VE 1-2	04/02/12
12C1038-02	VE 1-4	04/02/12
12C1038-03	VE 2-1	04/02/12
12C1038-04	VE 3-1	04/02/12
12C1038-05	VE 4-11	04/02/12
12C1038-06	DAY 1	04/02/12
12C1038-07	FB	04/02/12
BD20051-BLK1	Blank	04/02/12
BD20051-BS1	LCS	04/02/12
BD20051-MS1	Matrix Spike	04/02/12
BD20051-MSD1	Matrix Spike Dup	04/02/12

Batch ID: BD20059 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12C1038-01	VE 1-2	04/02/12
12C1038-02	VE 1-4	04/02/12
12C1038-03	VE 2-1	04/02/12
12C1038-04	VE 3-1	04/02/12
12C1038-05	VE 4-11	04/02/12
12C1038-06	DAY 1	04/02/12
12C1038-07	FB	04/02/12
BD20059-BLK1	Blank	04/02/12
BD20059-DUP1	Duplicate	04/02/12
BD20059-MS1	Matrix Spike	04/02/12
BD20059-SRM1	Reference	04/02/12

Batch ID: BD20119 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12C1038-01	VE 1-2	04/02/12
12C1038-02	VE 1-4	04/02/12

12C1038-03	VE 2-1	04/02/12
12C1038-04	VE 3-1	04/02/12
12C1038-05	VE 4-11	04/02/12
12C1038-06	DAY 1	04/02/12
12C1038-07	FB	04/02/12
BD20119-BLK1	Blank	04/03/12
BD20119-BS1	LCS	04/03/12
BD20119-BSD1	LCS Dup	04/03/12
BD20119-MS1	Matrix Spike	04/03/12
BD20119-MSD1	Matrix Spike Dup	04/03/12

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20119 - EPA 5030B											
Blank (BD20119-BLK1)											Prepared: 04/03/2012 Analyzed: 04/04/2012
1,2,4-Trimethylbenzene	ND	5.0	ug/L								
1,3,5-Trimethylbenzene	ND	5.0	"								
Benzene	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Naphthalene	6.9	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Toluene	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*47.3*		*"*	*50.0*		*94.6*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*47.0*		*"*	*50.0*		*94.1*	*63.5-145*				
Surrogate: Toluene-d8	*49.7*		*"*	*50.0*		*99.4*	*81.2-127*				
LCS (BD20119-BS1)											Prepared & Analyzed: 04/03/2012
1,2,4-Trimethylbenzene	50		ug/L	50.0		101	75.3-135				
1,3,5-Trimethylbenzene	50		"	50.0		99.9	70.6-127				
Benzene	56		"	50.0		112	76.2-129				
Chlorobenzene	52		"	50.0		104	70-130				
Ethyl Benzene	56		"	50.0		112	80.8-128				
Isopropylbenzene	54		"	50.0		108	75.5-135				
Methyl tert-butyl ether (MTBE)	45		"	50.0		90.9	65.1-140				
Naphthalene	52		"	50.0		104	62.3-148				
n-Butylbenzene	49		"	50.0		98.3	67.2-123				
n-Propylbenzene	51		"	50.0		102	70.5-127				
o-Xylene	52		"	50.0		104	75.9-122				
p- & m- Xylenes	110		"	100		107	77.7-127				
p-Isopropyltoluene	51		"	50.0		101	70-130				
sec-Butylbenzene	51		"	50.0		102	71.5-125				
tert-Butylbenzene	58		"	50.0		116	75.9-151				
Toluene	53		"	50.0		107	77-123				
Surrogate: 1,2-Dichloroethane-d4	*47.3*		*"*	*50.0*		*94.6*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*47.0*		*"*	*50.0*		*94.0*	*63.5-145*				
Surrogate: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20119 - EPA 5030B											
LCS Dup (BD20119-BSD1)									Prepared: 04/03/2012 Analyzed: 04/04/2012		
1,2,4-Trimethylbenzene	50		ug/L	50.0		100	75.3-135		0.497	18.8	
1,3,5-Trimethylbenzene	49		"	50.0		97.9	70.6-127		2.06	18.9	
Benzene	53		"	50.0		107	76.2-129		4.66	19	
Chlorobenzene	51		"	50.0		101	70-130		2.05	30	
Ethyl Benzene	54		"	50.0		108	80.8-128		3.44	19.2	
Isopropylbenzene	53		"	50.0		106	75.5-135		1.40	20	
Methyl tert-butyl ether (MTBE)	48		"	50.0		95.3	65.1-140		4.75	23.6	
Naphthalene	56		"	50.0		111	62.3-148		6.58	27.1	
n-Butylbenzene	47		"	50.0		94.4	67.2-123		4.05	19.1	
n-Propylbenzene	50		"	50.0		101	70.5-127		1.23	23.4	
o-Xylene	50		"	50.0		101	75.9-122		3.11	19.3	
p- & m- Xylenes	100		"	100		104	77.7-127		3.36	18.6	
p-Isopropyltoluene	49		"	50.0		97.4	70-130		3.83	30	
sec-Butylbenzene	50		"	50.0		100	71.5-125		1.84	18.9	
tert-Butylbenzene	59		"	50.0		117	75.9-151		1.51	20.9	
Toluene	52		"	50.0		104	77-123		2.46	18.7	
Surrogate: 1,2-Dichloroethane-d4	*47.1*		*"*	*50.0*		*94.2*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.7*	*63.5-145*				
Surrogate: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*81.2-127*				
Matrix Spike (BD20119-MS1)	*Source sample: 12C1038-06 (DAY 1)								Prepared: 04/03/2012 Analyzed: 04/04/2012		
1,2,4-Trimethylbenzene	46		ug/L	50.0	ND	91.8	79.4-131				
1,3,5-Trimethylbenzene	46		"	50.0	ND	92.7	76.1-121				
Benzene	53		"	50.0	ND	105	74.1-134				
Chlorobenzene	47		"	50.0	ND	94.7	70-130				
Ethyl Benzene	53		"	50.0	ND	107	82.9-127				
Isopropylbenzene	51		"	50.0	ND	103	78.7-131				
Methyl tert-butyl ether (MTBE)	42		"	50.0	ND	84.1	81.2-134				
Naphthalene	42		"	50.0	1.9	80.7	80.1-122				
n-Butylbenzene	45		"	50.0	ND	89.9	72.4-120				
n-Propylbenzene	48		"	50.0	ND	96.9	74-130				
o-Xylene	48		"	50.0	ND	95.9	78.8-122				
p- & m- Xylenes	100		"	100	ND	101	82.5-123				
p-Isopropyltoluene	47		"	50.0	ND	93.2	70-130				
sec-Butylbenzene	48		"	50.0	ND	96.1	25.4-151				
tert-Butylbenzene	52		"	50.0	ND	105	79.5-171				
Toluene	52		"	50.0	1.2	101	77.8-121				
Surrogate: 1,2-Dichloroethane-d4	*46.2*		*"*	*50.0*		*92.5*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.1*	*63.5-145*				
Surrogate: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20119 - EPA 5030B											
Matrix Spike Dup (BD20119-MSD1)	*Source sample: 12C1038-06 (DAY 1)								Prepared: 04/03/2012 Analyzed: 04/04/2012		
1,2,4-Trimethylbenzene	49		ug/L	50.0	ND	98.8	79.4-131		7.32	33.9	
1,3,5-Trimethylbenzene	48		"	50.0	ND	96.7	76.1-121		4.25	31.2	
Benzene	57		"	50.0	ND	114	74.1-134		8.08	20.8	
Chlorobenzene	51		"	50.0	ND	102	70-130		7.11	30	
Ethyl Benzene	56		"	50.0	ND	113	82.9-127		5.38	21.4	
Isopropylbenzene	55		"	50.0	ND	109	78.7-131		6.25	26.7	
Methyl tert-butyl ether (MTBE)	49		"	50.0	ND	97.5	81.2-134		14.8	21.2	
Naphthalene	54		"	50.0	1.9	104	80.1-122		24.8	26.1	
n-Butylbenzene	49		"	50.0	ND	97.2	72.4-120		7.84	30.8	
n-Propylbenzene	52		"	50.0	ND	103	74-130		6.30	31	
o-Xylene	52		"	50.0	ND	104	78.8-122		7.87	21	
p- & m- Xylenes	110		"	100	ND	108	82.5-123		6.89	22.5	
p-Isopropyltoluene	50		"	50.0	ND	100	70-130		7.04	30	
sec-Butylbenzene	51		"	50.0	ND	101	25.4-151		5.17	25.2	
tert-Butylbenzene	55		"	50.0	ND	110	79.5-171		5.11	24.8	
Toluene	55		"	50.0	1.2	108	77.8-121		6.91	21.5	
Surrogate: 1,2-Dichloroethane-d4	*47.4*		*"*	*50.0*		*94.8*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*47.9*		*"*	*50.0*		*95.8*	*63.5-145*				
Surrogate: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*81.2-127*				

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3510C											
Blank (BD20008-BLK1)											Prepared: 04/02/2012 Analyzed: 04/03/2012
Acenaphthene	ND	5.00	ug/L								
Acenaphthylene	ND	5.00	"								
Anthracene	ND	5.00	"								
Benzo(a)anthracene	ND	5.00	"								
Benzo(a)pyrene	ND	5.00	"								
Benzo(b)fluoranthene	ND	5.00	"								
Benzo(g,h,i)perylene	ND	5.00	"								
Benzo(k)fluoranthene	ND	5.00	"								
Chrysene	ND	5.00	"								
Dibenzo(a,h)anthracene	ND	5.00	"								
Fluoranthene	ND	5.00	"								
Fluorene	ND	5.00	"								
Indeno(1,2,3-cd)pyrene	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
Naphthalene	ND	5.00	"								
Phenanthrene	ND	5.00	"								
Pyrene	ND	5.00	"								
Surrogate: 2-Fluorobiphenyl	*30.9*		*"*	*50.0*		*61.9*	*30-130*				
Surrogate: Nitrobenzene-d5	*23.1*		*"*	*50.0*		*46.2*	*30-130*				
Surrogate: Terphenyl-d14	*35.3*		*"*	*50.0*		*70.5*	*30-130*				
LCS (BD20008-BS1)											Prepared: 04/02/2012 Analyzed: 04/03/2012
Acenaphthene	36.3	5.00	ug/L	50.0		72.5	30-140				
Acenaphthylene	34.3	5.00	"	50.0		68.7	30-140				
Anthracene	36.2	5.00	"	50.0		72.3	30-140				
Benzo(a)anthracene	43.4	5.00	"	50.0		86.8	30-140				
Benzo(a)pyrene	50.1	5.00	"	50.0		100	30-140				
Benzo(b)fluoranthene	40.2	5.00	"	50.0		80.4	30-140				
Benzo(g,h,i)perylene	53.7	5.00	"	50.0		107	30-140				
Benzo(k)fluoranthene	38.1	5.00	"	50.0		76.2	30-140				
Chrysene	34.0	5.00	"	50.0		68.0	30-140				
Dibenzo(a,h)anthracene	62.0	5.00	"	50.0		124	30-140				
Fluoranthene	37.0	5.00	"	50.0		74.1	30-140				
Fluorene	35.2	5.00	"	50.0		70.5	30-140				
Indeno(1,2,3-cd)pyrene	57.5	5.00	"	50.0		115	30-140				
2-Methylnaphthalene	38.6	5.00	"	50.0		77.3	30-140				
Naphthalene	33.8	5.00	"	50.0		67.5	30-140				
Phenanthrene	34.2	5.00	"	50.0		68.5	30-140				
Pyrene	36.8	5.00	"	50.0		73.6	30-140				
Surrogate: 2-Fluorobiphenyl	*33.2*		*"*	*50.0*		*66.4*	*30-130*				
Surrogate: Nitrobenzene-d5	*25.2*		*"*	*50.0*		*50.4*	*30-130*				
Surrogate: Terphenyl-d14	*37.2*		*"*	*50.0*		*74.4*	*30-130*				

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3510C											
Matrix Spike (BD20008-MS1)	*Source sample: 12C1038-06 (DAY 1)								Prepared: 04/02/2012 Analyzed: 04/03/2012		
Acenaphthene	5.61	5.13	ug/L	51.3	ND	10.9	30.7-76.9	Low Bias			
Acenaphthylene	5.52	5.13	"	51.3	ND	10.8	29.4-78.4	Low Bias			
Anthracene	4.98	5.13	"	51.3	ND	9.72	31-79.5	Low Bias			
Benzo(a)anthracene	5.70	5.13	"	51.3	ND	11.1	28.6-83.8	Low Bias			
Benzo(a)pyrene	5.46	5.13	"	51.3	ND	10.6	18.8-99.4	Low Bias			
Benzo(b)fluoranthene	4.32	5.13	"	51.3	ND	8.42	27.1-84.5	Low Bias			
Benzo(g,h,i)perylene	6.21	5.13	"	51.3	ND	12.1	16-92.9	Low Bias			
Benzo(k)fluoranthene	5.13	5.13	"	51.3	ND	10.0	25.6-85.6	Low Bias			
Chrysene	4.33	5.13	"	51.3	ND	8.44	24.9-89.4	Low Bias			
Dibenzo(a,h)anthracene	7.13	5.13	"	51.3	ND	13.9	10-99.7				
Fluoranthene	5.08	5.13	"	51.3	ND	9.90	24.6-87.6	Low Bias			
Fluorene	5.68	5.13	"	51.3	ND	11.1	29.2-78.7	Low Bias			
Indeno(1,2,3-cd)pyrene	6.66	5.13	"	51.3	ND	13.0	10-100				
2-Methylnaphthalene	5.35	5.13	"	51.3	ND	10.4	25-69.5	Low Bias			
Naphthalene	5.61	5.13	"	51.3	ND	10.9	31.1-68.5	Low Bias			
Phenanthrene	4.89	5.13	"	51.3	ND	9.54	30.5-83.6	Low Bias			
Pyrene	5.05	5.13	"	51.3	ND	9.84	28.3-84.1	Low Bias			
Surrogate: 2-Fluorobiphenyl	*6.38*		*"*	*51.3*		*12.4*	*30-130*				
Surrogate: Nitrobenzene-d5	*6.09*		*"*	*51.3*		*11.9*	*30-130*				
Surrogate: Terphenyl-d14	*7.93*		*"*	*51.3*		*15.5*	*30-130*				
Matrix Spike Dup (BD20008-MSD1)	*Source sample: 12C1038-06 (DAY 1)								Prepared: 04/02/2012 Analyzed: 04/03/2012		
Acenaphthene	15.6	5.56	ug/L	55.6	ND	28.1	30.7-76.9	Low Bias	94.4	20	Non-dir.
Acenaphthylene	16.0	5.56	"	55.6	ND	28.7	29.4-78.4	Low Bias	97.3	20	Non-dir.
Anthracene	13.9	5.56	"	55.6	ND	25.1	31-79.5	Low Bias	94.5	20	Non-dir.
Benzo(a)anthracene	16.0	5.56	"	55.6	ND	28.8	28.6-83.8		94.9	20	Non-dir.
Benzo(a)pyrene	16.5	5.56	"	55.6	ND	29.6	18.8-99.4		100	20	Non-dir.
Benzo(b)fluoranthene	12.4	5.56	"	55.6	ND	22.2	27.1-84.5	Low Bias		20	
Benzo(g,h,i)perylene	16.3	5.56	"	55.6	ND	29.3	16-92.9		89.7	20	Non-dir.
Benzo(k)fluoranthene	14.2	5.56	"	55.6	ND	25.5	25.6-85.6	Low Bias	93.7	20	Non-dir.
Chrysene	11.5	5.56	"	55.6	ND	20.7	24.9-89.4	Low Bias		20	
Dibenzo(a,h)anthracene	19.4	5.56	"	55.6	ND	34.9	10-99.7		92.5	20	Non-dir.
Fluoranthene	14.1	5.56	"	55.6	ND	25.3	24.6-87.6		94.0	20	Non-dir.
Fluorene	14.8	5.56	"	55.6	ND	26.6	29.2-78.7	Low Bias	88.9	20	Non-dir.
Indeno(1,2,3-cd)pyrene	17.6	5.56	"	55.6	ND	31.6	10-100		90.1	20	Non-dir.
2-Methylnaphthalene	16.5	5.56	"	55.6	ND	29.8	25-69.5		102	20	Non-dir.
Naphthalene	16.1	5.56	"	55.6	ND	28.9	31.1-68.5	Low Bias	96.5	20	Non-dir.
Phenanthrene	13.4	5.56	"	55.6	ND	24.2	30.5-83.6	Low Bias	93.2	20	Non-dir.
Pyrene	14.0	5.56	"	55.6	ND	25.2	28.3-84.1	Low Bias	94.0	20	Non-dir.
Surrogate: 2-Fluorobiphenyl	*17.2*		*"*	*55.6*		*31.0*	*30-130*				
Surrogate: Nitrobenzene-d5	*15.1*		*"*	*55.6*		*27.2*	*30-130*				
Surrogate: Terphenyl-d14	*21.6*		*"*	*55.6*		*38.8*	*30-130*				

Polychlorinated Biphenyls (PCB) by EPA SW 846-8082/EPA Compendium Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20051 - EPA SW846-3510C Low Level											
Blank (BD20051-BLK1)									Prepared: 04/02/2012 Analyzed: 04/03/2012		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.217*		"	*0.200*		*108*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.177*		"	*0.200*		*88.5*	*30-150*				
LCS (BD20051-BS1)									Prepared: 04/02/2012 Analyzed: 04/03/2012		
Aroclor 1016	0.862	0.0500	ug/L	1.00		86.2	40-140				
Aroclor 1260	0.744	0.0500	"	1.00		74.4	40-140				
Surrogate: Tetrachloro-m-xylene	*0.239*		"	*0.200*		*120*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.208*		"	*0.200*		*104*	*30-150*				
Matrix Spike (BD20051-MS1)	*Source sample: 12C1038-06 (DAY 1)								Prepared: 04/02/2012 Analyzed: 04/03/2012		
Aroclor 1016	0.283	0.0513	ug/L	0.513	ND	55.1	40-140				
Aroclor 1260	0.255	0.0513	"	0.513	ND	49.7	40-140				
Surrogate: Tetrachloro-m-xylene	*0.141*		"	*0.205*		*68.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.126*		"	*0.205*		*61.5*	*30-150*				
Matrix Spike Dup (BD20051-MSD1)	*Source sample: 12C1038-06 (DAY 1)								Prepared: 04/02/2012 Analyzed: 04/03/2012		
Aroclor 1016	0.270	0.0513	ug/L	0.513	ND	52.6	40-140		4.60	200	
Aroclor 1260	0.161	0.0513	"	0.513	ND	31.4	40-140	Low Bias	45.0	200	
Surrogate: Tetrachloro-m-xylene	*0.134*		"	*0.205*		*65.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.103*		"	*0.205*		*50.0*	*30-150*				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20059 - EPA 3010A											
Blank (BD20059-BLK1)									Prepared & Analyzed: 04/02/2012		
Arsenic	ND	0.0100	mg/L								
Chromium	ND	0.00500	"								
Copper	ND	0.00500	"								
Lead	ND	0.00300	"								
Duplicate (BD20059-DUP1)	*Source sample: 12C1038-06 (DAY 1)								Prepared & Analyzed: 04/02/2012		
Arsenic	0.00410	0.0100	mg/L		ND					20	
Chromium	ND	0.00500	"		ND					20	
Copper	ND	0.00500	"		ND					20	
Lead	ND	0.00300	"		ND					20	
Matrix Spike (BD20059-MS1)	*Source sample: 12C1038-06 (DAY 1)								Prepared & Analyzed: 04/02/2012		
Arsenic	2.36	0.0100	mg/L	2.00	ND	118	75-125				
Chromium	0.203	0.00500	"	0.200	ND	102	75-125				
Copper	0.264	0.00500	"	0.250	ND	105	75-125				
Lead	0.512	0.00300	"	0.500	ND	102	75-125				
Reference (BD20059-SRM1)									Prepared & Analyzed: 04/02/2012		
Arsenic	0.552	0.0100	mg/L	0.528		105	83.7-117				
Chromium	0.792	0.00500	"	0.751		105	87.2-113				
Copper	0.306	0.00500	"	0.287		107	89.9-110				
Lead	0.899	0.00300	"	0.821		109	87.6-112				

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12C1038

YOUR Information
Company: MNR
Address:
Phone No.
Contact Person:
E-Mail Address:

Report To:
Company: MNR + DAY
Address:
Phone No. Tom Roszak
Attention:
E-Mail Address:

Invoice To:
Company: MNR
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
HARMON OU 2

Purchase Order No.

Samples from: CT (NY) NJ

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type
- Summary Report
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel
- NYSDEC EQuIS ×
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison**
- **Excel Spreadsheet**

Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

T Roszak
Samples Collected/Authorized By (Signature)
Tom Roszak
Name (printed)

Matrix Codes	
S -	soil
Other -	specify(oil, etc.)
WW -	wastewater
GW -	groundwater
DW -	drinking water
Air-A -	ambient air
Air-SV -	soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
VE 1-2	3/27/12	GW	STARS VOCs + chlorobenzene (8260)	(2) 1L glass
VE 1-4	↓	↓	STARS SVOCs + 2 methylnapthlene (8270)	(2) 40ml VOA
VE 2-1	3/28/12		PCBs (8080)	(1) 250ml plastic w/
VE 3-1	3/27/12		Arsenic, chromium, copper, lead	HNO_3
VE 4-11	↓		↓	↓
DAY 1			(each sample)	(each sample)
DAY 1 MS/MSD	↓			
FB	3/28/12	↓		

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other ____

T Roszak 3/29/12 6:00
Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

Chris C 3-29-12 11:40
Samples Received By — Date/Time

P Pace 3/29/12 1520
Samples Received in LAB by — Date/Time

Temperature on Receipt 4.3 °C

YORK LABORATORY REPORT
AND
CHAIN-OF-CUSTODY DOCUMENTATION
FOR
GROUNDWATER SAMPLES COLLECTED
SEPTEMBER 11-12, 2012

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Report Date: 09/19/2012
Client Project ID: Harmon OU-2
York Project (SDG) No.: 12I0370

Report Date: 09/19/2012
Client Project ID: Harmon OU-2
York Project (SDG) No.: 12I0370

Metro North Commuter Railroad
Env. Dept. c/o Yardmaster, 24 Fisher Lane
White Plains NY, 10603
Attention: Mr. Ken McHale, Ass't. Director

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 12, 2012 and listed below. The project was identified as your project: **Harmon OU-2**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12I0370-01	VE 3-1	Water	09/11/2012	09/12/2012
12I0370-02	DAY 1	Water	09/11/2012	09/12/2012
12I0370-03	VE 4-11	Water	09/11/2012	09/12/2012
12I0370-04	VE 4-11 (Duplicate)	Water	09/11/2012	09/12/2012
12I0446-01	VE 1-2	Water	09/12/2012	09/13/2012
12I0446-02	VE 1-4	Water	09/12/2012	09/13/2012
12I0446-03	VE 2-1	Water	09/12/2012	09/13/2012
12I0446-04	FB	Water	09/12/2012	09/13/2012
12I0446-05	TRIP BLANK	Water	09/12/2012	09/13/2012

General Notes for York Project (SDG) No.: 12I0370

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 09/19/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: VE 3-1 **York Sample ID:** 12I0370-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	**2.6**	J	ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
108-67-8	1,3,5-Trimethylbenzene	**1.2**	J	ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
108-90-7	Chlorobenzene	**2.4**	J	ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
91-20-3	Naphthalene	**6.6**	J	ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 15:33	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.8 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.0 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*98.1 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.91	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
83-32-9	Acenaphthene	ND		ug/L	1.86	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
208-96-8	Acenaphthylene	ND		ug/L	1.83	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
120-12-7	Anthracene	ND		ug/L	1.25	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.38	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.37	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.48	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.80	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	1.93	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
218-01-9	Chrysene	ND		ug/L	1.55	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR

Sample Information

Client Sample ID: VE 3-1 **York Sample ID:** 12I0370-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.64	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
206-44-0	Fluoranthene	ND		ug/L	1.31	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
86-73-7	Fluorene	**2.85**	J	ug/L	1.93	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.79	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
91-20-3	Naphthalene	ND		ug/L	2.09	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
85-01-8	Phenanthrene	**2.41**	J	ug/L	1.44	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR
129-00-0	Pyrene	ND		ug/L	1.82	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:04	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.0 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.0 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*65.5 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW
1336-36-3	Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:18	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*54.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.2 %*	*30-150*

Sample Information

Client Sample ID: VE 3-1 **York Sample ID:** 12I0370-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	**0.00471**		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:10	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:10	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:10	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:10	MW

Sample Information

Client Sample ID: DAY 1 **York Sample ID:** 12I0370-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
71-43-2	Benzene	**0.82**	J	ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS

Sample Information

Client Sample ID: DAY 1 **York Sample ID:** 12I0370-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:11	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.5 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.1 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.8 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.07	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
83-32-9	Acenaphthene	ND		ug/L	1.97	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
208-96-8	Acenaphthylene	ND		ug/L	1.93	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
120-12-7	Anthracene	ND		ug/L	1.32	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.46	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.44	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.57	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.90	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.03	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
218-01-9	Chrysene	ND		ug/L	1.63	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.73	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
206-44-0	Fluoranthene	ND		ug/L	1.38	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
86-73-7	Fluorene	ND		ug/L	2.03	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.89	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
91-20-3	Naphthalene	ND		ug/L	2.21	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
85-01-8	Phenanthrene	ND		ug/L	1.52	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR
129-00-0	Pyrene	ND		ug/L	1.92	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 14:39	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.2 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.0 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*67.8 %*	*30-130*

Sample Information

Client Sample ID: DAY 1 **York Sample ID:** 12I0370-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW
1336-36-3	Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 17:48	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.2 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	**0.0125**		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:15	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:15	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:15	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:15	MW

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 12I0370-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 16:48	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.9 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.3 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*97.0 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.15	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
83-32-9	Acenaphthene	ND		ug/L	2.02	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
208-96-8	Acenaphthylene	ND		ug/L	1.99	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
120-12-7	Anthracene	ND		ug/L	1.36	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.50	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.49	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.61	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.95	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.09	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
218-01-9	Chrysene	ND		ug/L	1.68	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 12I0370-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.78	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
206-44-0	Fluoranthene	ND		ug/L	1.42	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
86-73-7	Fluorene	ND		ug/L	2.09	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.94	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
91-20-3	Naphthalene	ND		ug/L	2.27	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
85-01-8	Phenanthrene	ND		ug/L	1.57	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR
129-00-0	Pyrene	ND		ug/L	1.98	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:13	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*69.4 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*70.0 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*102 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
11097-69-1	Aroclor 1254	**0.0805**		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW
1336-36-3	Total PCBs	**0.0805**		ug/L	0.0625	0.0625	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:19	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*57.2 %*	*30-150*

Sample Information

Client Sample ID: VE 4-11 **York Sample ID:** 12I0370-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:20	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:20	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	**0.0101**		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:20	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/12/2012 16:23	09/12/2012 18:20	MW

Sample Information

Client Sample ID: VE 4-11 (Duplicate) **York Sample ID:** 12I0370-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS

Sample Information

Client Sample ID: VE 4-11 (Duplicate) **York Sample ID:** 12I0370-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 17:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.5 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.7 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*97.7 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.35	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
83-32-9	Acenaphthene	ND		ug/L	2.15	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
208-96-8	Acenaphthylene	ND		ug/L	2.11	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
120-12-7	Anthracene	ND		ug/L	1.44	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.59	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.58	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.71	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.07	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.22	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
218-01-9	Chrysene	ND		ug/L	1.78	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.89	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
206-44-0	Fluoranthene	ND		ug/L	1.50	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
86-73-7	Fluorene	ND		ug/L	2.22	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.06	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
91-20-3	Naphthalene	ND		ug/L	2.41	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
85-01-8	Phenanthrene	ND		ug/L	1.66	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR
129-00-0	Pyrene	ND		ug/L	2.10	6.06	1	EPA SW-846 8270C	09/17/2012 08:42	09/18/2012 15:49	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*69.1 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.6 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*105 %*	*30-130*

Sample Information

Client Sample ID: VE 4-11 (Duplicate) **York Sample ID:** 12I0370-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0370	Harmon OU-2	Water	September 11, 2012 3:00 pm	09/12/2012

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
11097-69-1	Aroclor 1254	**0.0786**		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW
1336-36-3	Total PCBs	**0.0786**		ug/L	0.0690	0.0690	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 18:49	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.2 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/17/2012 16:16	09/18/2012 17:24	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/17/2012 16:16	09/18/2012 17:24	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	**0.00870**		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/17/2012 16:16	09/18/2012 17:24	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/17/2012 16:16	09/18/2012 17:24	MW

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 12I0446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 12I0446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/18/2012 13:03	09/18/2012 14:21	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.7 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.5 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.07	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
83-32-9	Acenaphthene	ND		ug/L	1.97	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
208-96-8	Acenaphthylene	ND		ug/L	1.93	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
120-12-7	Anthracene	ND		ug/L	1.32	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.46	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.44	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.57	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.90	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.03	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
218-01-9	Chrysene	ND		ug/L	1.63	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 12I0446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.73	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
206-44-0	Fluoranthene	ND		ug/L	1.38	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
86-73-7	Fluorene	ND		ug/L	2.03	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.89	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
91-20-3	Naphthalene	ND		ug/L	2.21	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
85-01-8	Phenanthrene	ND		ug/L	1.52	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR
129-00-0	Pyrene	ND		ug/L	1.92	5.56	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 19:46	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*39.8 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*38.5 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*61.2 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW
1336-36-3	Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:19	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.2 %*	*30-150*

Sample Information

Client Sample ID: VE 1-2 **York Sample ID:** 12I0446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:17	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:17	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:17	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:17	MW

Sample Information

Client Sample ID: VE 1-4 **York Sample ID:** 12I0446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS

Sample Information

Client Sample ID: VE 1-4 **York Sample ID:** 12I0446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 13:23	09/17/2012 19:56	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*86.8 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*90.0 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.15	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
83-32-9	Acenaphthene	ND		ug/L	2.02	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
208-96-8	Acenaphthylene	ND		ug/L	1.99	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
120-12-7	Anthracene	ND		ug/L	1.36	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.50	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.49	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.61	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.95	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.09	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
218-01-9	Chrysene	ND		ug/L	1.68	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.78	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
206-44-0	Fluoranthene	ND		ug/L	1.42	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
86-73-7	Fluorene	ND		ug/L	2.09	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.94	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
91-20-3	Naphthalene	ND		ug/L	2.27	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
85-01-8	Phenanthrene	ND		ug/L	1.57	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR
129-00-0	Pyrene	ND		ug/L	1.98	5.71	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:19	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.1 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*47.3 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*97.6 %*	*30-130*

Sample Information

Client Sample ID: VE 1-4 **York Sample ID:** 12I0446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW
1336-36-3	Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 19:49	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.7 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:37	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:37	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:37	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:37	MW

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 12I0446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.1 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.1 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.45	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
83-32-9	Acenaphthene	ND		ug/L	2.21	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
208-96-8	Acenaphthylene	ND		ug/L	2.18	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
120-12-7	Anthracene	ND		ug/L	1.49	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.64	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.62	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.76	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.14	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.29	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
218-01-9	Chrysene	ND		ug/L	1.84	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 12I0446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.95	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
206-44-0	Fluoranthene	ND		ug/L	1.55	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
86-73-7	Fluorene	ND		ug/L	2.29	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.12	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
91-20-3	Naphthalene	ND		ug/L	2.49	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
85-01-8	Phenanthrene	ND		ug/L	1.71	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR
129-00-0	Pyrene	ND		ug/L	2.16	6.25	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 20:53	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.0 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.8 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*78.1 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW
1336-36-3	Total PCBs	ND		ug/L	0.0571	0.0571	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:19	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.7 %*	*30-150*

Sample Information

Client Sample ID: VE 2-1 **York Sample ID:** 12I0446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:42	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:42	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	**0.00672**		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:42	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 20:42	MW

Sample Information

Client Sample ID: FB **York Sample ID:** 12I0446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS

Sample Information

Client Sample ID: FB

York Sample ID: 12I0446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 01:46	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.2 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.6 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81.2-127*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.91	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
83-32-9	Acenaphthene	ND		ug/L	1.86	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
208-96-8	Acenaphthylene	ND		ug/L	1.83	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
120-12-7	Anthracene	ND		ug/L	1.25	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.38	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.37	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.48	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.80	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	1.93	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
218-01-9	Chrysene	ND		ug/L	1.55	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.64	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
206-44-0	Fluoranthene	ND		ug/L	1.31	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
86-73-7	Fluorene	ND		ug/L	1.93	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.79	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
91-20-3	Naphthalene	ND		ug/L	2.09	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
85-01-8	Phenanthrene	ND		ug/L	1.44	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR
129-00-0	Pyrene	ND		ug/L	1.82	5.26	1	EPA SW-846 8270C	09/17/2012 08:42	09/17/2012 21:28	SR

	Surrogate Recoveries	Result	Acceptance Range
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.7 %*	*30-130*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*44.6 %*	*30-130*
1718-51-0	*Surrogate: Terphenyl-d14*	*106 %*	*30-130*

Sample Information

Client Sample ID: FB **York Sample ID:** 12I0446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW
1336-36-3	Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA SW 846-8082	09/18/2012 07:53	09/18/2012 20:51	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.2 %*	*30-150*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00400	0.00400	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 21:01	MW

Chromium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00180	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 21:01	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.00200	0.00500	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 21:01	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	09/17/2012 16:21	09/18/2012 21:01	MW

Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 12I0446-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12I0446	Harmon OU 2	Water	September 12, 2012 3:00 pm	09/13/2012

Volatile Organics, 8260 Aromatics List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.34	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B	09/17/2012 15:43	09/18/2012 02:21	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81.2-127*

Analytical Batch Summary

Batch ID: BI20442 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12I0370-01	VE 3-1	09/12/12
12I0370-02	DAY 1	09/12/12
12I0370-03	VE 4-11	09/12/12
BI20442-BLK1	Blank	09/12/12
BI20442-DUP1	Duplicate	09/12/12
BI20442-MS1	Matrix Spike	09/12/12
BI20442-SRM1	Reference	09/12/12

Batch ID: BI20566 **Preparation Method:** EPA 3510C **Prepared By:** KAM

YORK Sample ID	Client Sample ID	Preparation Date
12I0370-01	VE 3-1	09/17/12
12I0370-02	DAY 1	09/17/12
12I0370-03	VE 4-11	09/17/12
12I0370-04	VE 4-11 (Duplicate)	09/17/12
12I0446-01	VE 1-2	09/17/12
12I0446-02	VE 1-4	09/17/12
12I0446-03	VE 2-1	09/17/12
12I0446-04	FB	09/17/12

Batch ID: BI20593 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12I0370-01	VE 3-1	09/17/12
12I0370-02	DAY 1	09/17/12
12I0370-03	VE 4-11	09/17/12
12I0370-04	VE 4-11 (Duplicate)	09/17/12
12I0446-02	VE 1-4	09/17/12
BI20593-BLK1	Blank	09/17/12
BI20593-BS1	LCS	09/17/12
BI20593-BSD1	LCS Dup	09/17/12

Batch ID: BI20614 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12I0446-03	VE 2-1	09/17/12
12I0446-04	FB	09/17/12
12I0446-05	TRIP BLANK	09/17/12
BI20614-BLK1	Blank	09/17/12
BI20614-BS1	LCS	09/17/12
BI20614-BSD1	LCS Dup	09/17/12

Batch ID: BI20617 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12I0370-04	VE 4-11 (Duplicate)	09/17/12

BI20617-BLK1	Blank	09/17/12
BI20617-SRM1	Reference	09/17/12

Batch ID: BI20618 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12I0446-01	VE 1-2	09/17/12
12I0446-02	VE 1-4	09/17/12
12I0446-03	VE 2-1	09/17/12
12I0446-04	FB	09/17/12
BI20618-BLK1	Blank	09/17/12
BI20618-DUP1	Duplicate	09/17/12
BI20618-MS1	Matrix Spike	09/17/12
BI20618-SRM1	Reference	09/17/12

Batch ID: BI20629 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAM

YORK Sample ID	Client Sample ID	Preparation Date
12I0370-01	VE 3-1	09/18/12
12I0370-02	DAY 1	09/18/12
12I0370-03	VE 4-11	09/18/12
12I0370-04	VE 4-11 (Duplicate)	09/18/12
12I0446-01	VE 1-2	09/18/12
12I0446-02	VE 1-4	09/18/12
12I0446-03	VE 2-1	09/18/12
12I0446-04	FB	09/18/12
BI20629-BLK1	Blank	09/18/12
BI20629-BS2	LCS	09/18/12
BI20629-BSD2	LCS Dup	09/18/12

Batch ID: BI20645 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12I0446-01	VE 1-2	09/18/12
BI20645-BLK1	Blank	09/18/12
BI20645-BS1	LCS	09/18/12
BI20645-BSD1	LCS Dup	09/18/12
BI20645-MS1	Matrix Spike	09/18/12
BI20645-MSD1	Matrix Spike Dup	09/18/12

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20593 - EPA 5030B											
Blank (BI20593-BLK1)									Prepared & Analyzed: 09/17/2012		
1,2,4-Trimethylbenzene	ND	5.0	ug/L								
1,3,5-Trimethylbenzene	ND	5.0	"								
Benzene	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Toluene	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.5*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.3*	*63.5-145*				
Surrogate: Toluene-d8	*48.9*		*"*	*50.0*		*97.7*	*81.2-127*				
LCS (BI20593-BS1)									Prepared & Analyzed: 09/17/2012		
1,2,4-Trimethylbenzene	44		ug/L	50.0		87.4	75.3-135				
1,3,5-Trimethylbenzene	42		"	50.0		83.7	70.6-127				
Benzene	52		"	50.0		103	76.2-129				
Chlorobenzene	47		"	50.0		93.1	70-130				
Ethyl Benzene	50		"	50.0		99.1	80.8-128				
Isopropylbenzene	45		"	50.0		90.1	75.5-135				
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.5	65.1-140				
Naphthalene	50		"	50.0		99.2	62.3-148				
n-Butylbenzene	43		"	50.0		86.4	67.2-123				
n-Propylbenzene	43		"	50.0		85.6	70.5-127				
o-Xylene	44		"	50.0		88.9	75.9-122				
p- & m- Xylenes	92		"	100		91.7	77.7-127				
p-Isopropyltoluene	44		"	50.0		88.7	70-130				
sec-Butylbenzene	43		"	50.0		85.1	71.5-125				
tert-Butylbenzene	47		"	50.0		93.8	75.9-151				
Toluene	47		"	50.0		94.1	77-123				
Surrogate: 1,2-Dichloroethane-d4	*48.6*		*"*	*50.0*		*97.3*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*46.8*		*"*	*50.0*		*93.5*	*63.5-145*				
Surrogate: Toluene-d8	*48.1*		*"*	*50.0*		*96.2*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20593 - EPA 5030B											
LCS Dup (BI20593-BSD1)							Prepared & Analyzed: 09/17/2012				
1,2,4-Trimethylbenzene	46		ug/L	50.0		92.3	75.3-135		5.50	18.8	
1,3,5-Trimethylbenzene	44		"	50.0		88.8	70.6-127		5.89	18.9	
Benzene	50		"	50.0		99.6	76.2-129		3.40	19	
Chlorobenzene	48		"	50.0		96.2	70-130		3.26	30	
Ethyl Benzene	51		"	50.0		101	80.8-128		2.04	19.2	
Isopropylbenzene	48		"	50.0		95.3	75.5-135		5.57	20	
Methyl tert-butyl ether (MTBE)	42		"	50.0		84.9	65.1-140		5.32	23.6	
Naphthalene	47		"	50.0		93.1	62.3-148		6.30	27.1	
n-Butylbenzene	45		"	50.0		90.9	67.2-123		5.08	19.1	
n-Propylbenzene	45		"	50.0		90.2	70.5-127		5.24	23.4	
o-Xylene	46		"	50.0		91.5	75.9-122		2.86	19.3	
p- & m- Xylenes	94		"	100		93.7	77.7-127		2.17	18.6	
p-Isopropyltoluene	47		"	50.0		93.2	70-130		4.99	30	
sec-Butylbenzene	45		"	50.0		90.4	71.5-125		6.11	18.9	
tert-Butylbenzene	49		"	50.0		97.8	75.9-151		4.19	20.9	
Toluene	48		"	50.0		96.5	77-123		2.50	18.7	
Surrogate: 1,2-Dichloroethane-d4	*44.8*		*"*	*50.0*		*89.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*63.5-145*				
Surrogate: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*81.2-127*				
Batch BI20614 - EPA 5030B											
Blank (BI20614-BLK1)							Prepared: 09/17/2012 Analyzed: 09/18/2012				
1,2,4-Trimethylbenzene	ND	5.0	ug/L								
1,3,5-Trimethylbenzene	ND	5.0	"								
Benzene	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Toluene	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*51.5*		*"*	*50.0*		*103*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*49.3*		*"*	*50.0*		*98.5*	*63.5-145*				
Surrogate: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20614 - EPA 5030B											
LCS (BI20614-BS1)								Prepared & Analyzed: 09/17/2012			
1,2,4-Trimethylbenzene	53		ug/L	50.0		106	75.3-135				
1,3,5-Trimethylbenzene	52		"	50.0		104	70.6-127				
Benzene	51		"	50.0		103	76.2-129				
Chlorobenzene	52		"	50.0		104	70-130				
Ethyl Benzene	55		"	50.0		110	80.8-128				
Isopropylbenzene	56		"	50.0		111	75.5-135				
Methyl tert-butyl ether (MTBE)	52		"	50.0		104	65.1-140				
Naphthalene	54		"	50.0		107	62.3-148				
n-Butylbenzene	47		"	50.0		94.4	67.2-123				
n-Propylbenzene	51		"	50.0		103	70.5-127				
o-Xylene	49		"	50.0		98.9	75.9-122				
p- & m- Xylenes	100		"	100		102	77.7-127				
p-Isopropyltoluene	52		"	50.0		105	70-130				
sec-Butylbenzene	52		"	50.0		104	71.5-125				
tert-Butylbenzene	60		"	50.0		119	75.9-151				
Toluene	49		"	50.0		97.8	77-123				
Surrogate: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*63.5-145*				
Surrogate: Toluene-d8	*47.7*		*"*	*50.0*		*95.5*	*81.2-127*				
LCS Dup (BI20614-BSD1)								Prepared & Analyzed: 09/17/2012			
1,2,4-Trimethylbenzene	54		ug/L	50.0		109	75.3-135		2.65	18.8	
1,3,5-Trimethylbenzene	53		"	50.0		105	70.6-127		1.38	18.9	
Benzene	51		"	50.0		103	76.2-129		0.0779	19	
Chlorobenzene	52		"	50.0		104	70-130		0.211	30	
Ethyl Benzene	57		"	50.0		113	80.8-128		3.46	19.2	
Isopropylbenzene	58		"	50.0		116	75.5-135		4.52	20	
Methyl tert-butyl ether (MTBE)	52		"	50.0		104	65.1-140		0.153	23.6	
Naphthalene	54		"	50.0		108	62.3-148		0.502	27.1	
n-Butylbenzene	49		"	50.0		98.5	67.2-123		4.21	19.1	
n-Propylbenzene	54		"	50.0		107	70.5-127		4.46	23.4	
o-Xylene	51		"	50.0		101	75.9-122		2.26	19.3	
p- & m- Xylenes	100		"	100		105	77.7-127		2.35	18.6	
p-Isopropyltoluene	53		"	50.0		106	70-130		1.63	30	
sec-Butylbenzene	53		"	50.0		105	71.5-125		1.15	18.9	
tert-Butylbenzene	61		"	50.0		123	75.9-151		3.03	20.9	
Toluene	52		"	50.0		104	77-123		6.05	18.7	
Surrogate: 1,2-Dichloroethane-d4	*52.0*		*"*	*50.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20645 - EPA 5030B											
Blank (BI20645-BLK1)								Prepared & Analyzed: 09/18/2012			
1,2,4-Trimethylbenzene	ND	5.0	ug/L								
1,3,5-Trimethylbenzene	ND	5.0	"								
Benzene	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Toluene	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*48.6*		*"*	*50.0*		*97.1*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*61.6*		*"*	*50.0*		*123*	*63.5-145*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*81.2-127*				
LCS (BI20645-BS1)								Prepared & Analyzed: 09/18/2012			
1,2,4-Trimethylbenzene	50		ug/L	50.0		100	75.3-135				
1,3,5-Trimethylbenzene	48		"	50.0		96.8	70.6-127				
Benzene	54		"	50.0		108	76.2-129				
Chlorobenzene	52		"	50.0		104	70-130				
Ethyl Benzene	55		"	50.0		110	80.8-128				
Isopropylbenzene	52		"	50.0		105	75.5-135				
Methyl tert-butyl ether (MTBE)	44		"	50.0		87.3	65.1-140				
Naphthalene	51		"	50.0		102	62.3-148				
n-Butylbenzene	49		"	50.0		98.8	67.2-123				
n-Propylbenzene	49		"	50.0		98.5	70.5-127				
o-Xylene	50		"	50.0		99.3	75.9-122				
p- & m- Xylenes	100		"	100		103	77.7-127				
p-Isopropyltoluene	51		"	50.0		102	70-130				
sec-Butylbenzene	49		"	50.0		98.5	71.5-125				
tert-Butylbenzene	54		"	50.0		107	75.9-151				
Toluene	53		"	50.0		105	77-123				
Surrogate: 1,2-Dichloroethane-d4	*48.4*		*"*	*50.0*		*96.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*47.4*		*"*	*50.0*		*94.9*	*63.5-145*				
Surrogate: Toluene-d8	*50.5*		*"*	*50.0*		*101*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20645 - EPA 5030B											
LCS Dup (BI20645-BSD1)								Prepared & Analyzed: 09/18/2012			
1,2,4-Trimethylbenzene	50		ug/L	50.0		99.3	75.3-135		1.00	18.8	
1,3,5-Trimethylbenzene	48		"	50.0		96.2	70.6-127		0.560	18.9	
Benzene	53		"	50.0		106	76.2-129		1.98	19	
Chlorobenzene	50		"	50.0		100	70-130		3.85	30	
Ethyl Benzene	54		"	50.0		108	80.8-128		2.66	19.2	
Isopropylbenzene	52		"	50.0		104	75.5-135		0.980	20	
Methyl tert-butyl ether (MTBE)	44		"	50.0		87.2	65.1-140		0.137	23.6	
Naphthalene	47		"	50.0		94.4	62.3-148		8.21	27.1	
n-Butylbenzene	48		"	50.0		96.6	67.2-123		2.25	19.1	
n-Propylbenzene	48		"	50.0		96.5	70.5-127		2.01	23.4	
o-Xylene	48		"	50.0		96.0	75.9-122		3.44	19.3	
p- & m- Xylenes	99		"	100		99.2	77.7-127		3.51	18.6	
p-Isopropyltoluene	50		"	50.0		101	70-130		1.54	30	
sec-Butylbenzene	48		"	50.0		96.6	71.5-125		1.87	18.9	
tert-Butylbenzene	54		"	50.0		108	75.9-151		0.540	20.9	
Toluene	51		"	50.0		101	77-123		3.64	18.7	
Surrogate: 1,2-Dichloroethane-d4	*48.9*		*"*	*50.0*		*97.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.1*	*63.5-145*				
Surrogate: Toluene-d8	*50.5*		*"*	*50.0*		*101*	*81.2-127*				
Matrix Spike (BI20645-MS1)	*Source sample: 12I0446-01 (VE 1-2)							Prepared & Analyzed: 09/18/2012			
1,2,4-Trimethylbenzene	32		ug/L	50.0	ND	63.3	79.4-131	Low Bias			
1,3,5-Trimethylbenzene	29		"	50.0	ND	57.5	76.1-121	Low Bias			
Benzene	44		"	50.0	ND	87.2	74.1-134				
Chlorobenzene	45		"	50.0	ND	89.9	70-130				
Ethyl Benzene	52		"	50.0	ND	105	82.9-127				
Isopropylbenzene	30		"	50.0	ND	60.0	78.7-131	Low Bias			
Methyl tert-butyl ether (MTBE)	41		"	50.0	ND	82.1	81.2-134				
Naphthalene	52		"	50.0	ND	104	80.1-122				
n-Butylbenzene	39		"	50.0	ND	77.4	72.4-120				
n-Propylbenzene	27		"	50.0	ND	53.5	74-130	Low Bias			
o-Xylene	46		"	50.0	ND	92.2	78.8-122				
p- & m- Xylenes	94		"	100	ND	94.4	82.5-123				
p-Isopropyltoluene	49		"	50.0	ND	97.2	70-130				
sec-Butylbenzene	36		"	50.0	ND	72.3	25.4-151				
tert-Butylbenzene	34		"	50.0	ND	67.9	79.5-171	Low Bias			
Toluene	48		"	50.0	ND	96.4	77.8-121				
Surrogate: 1,2-Dichloroethane-d4	*58.9*		*"*	*50.0*		*118*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*33.7*		*"*	*50.0*		*67.4*	*63.5-145*				
Surrogate: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20645 - EPA 5030B											
Matrix Spike Dup (BI20645-MSD1)	*Source sample: 12I0446-01 (VE 1-2)								Prepared & Analyzed: 09/18/2012		
1,2,4-Trimethylbenzene	46		ug/L	50.0	ND	92.3	79.4-131		37.3	33.9	Non-dir.
1,3,5-Trimethylbenzene	32		"	50.0	ND	64.2	76.1-121	Low Bias	11.1	31.2	
Benzene	41		"	50.0	ND	82.8	74.1-134		5.25	20.8	
Chlorobenzene	46		"	50.0	ND	92.3	70-130		2.70	30	
Ethyl Benzene	50		"	50.0	ND	99.9	82.9-127		4.56	21.4	
Isopropylbenzene	39		"	50.0	ND	78.6	78.7-131	Low Bias	26.9	26.7	Non-dir.
Methyl tert-butyl ether (MTBE)	57		"	50.0	ND	115	81.2-134		33.3	21.2	Non-dir.
Naphthalene	62		"	50.0	ND	124	80.1-122	High Bias	17.5	26.1	
n-Butylbenzene	44		"	50.0	ND	88.8	72.4-120		13.7	30.8	
n-Propylbenzene	36		"	50.0	ND	71.5	74-130	Low Bias	28.8	31	
o-Xylene	79		"	50.0	ND	158	78.8-122	High Bias	52.8	21	Non-dir.
p- & m- Xylenes	98		"	100	ND	97.5	82.5-123		3.26	22.5	
p-Isopropyltoluene	46		"	50.0	ND	92.1	70-130		5.35	30	
sec-Butylbenzene	45		"	50.0	ND	89.6	25.4-151		21.3	25.2	
tert-Butylbenzene	50		"	50.0	ND	100	79.5-171		38.2	24.8	Non-dir.
Toluene	45		"	50.0	ND	89.6	77.8-121		7.27	21.5	
Surrogate: 1,2-Dichloroethane-d4	*53.5*		*"*	*50.0*		*107*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*34.3*		*"*	*50.0*		*68.5*	*63.5-145*				
Surrogate: Toluene-d8	*48.7*		*"*	*50.0*		*97.3*	*81.2-127*				

Polychlorinated Biphenyls (PCB) by EPA SW 846-8082/EPA Compendium Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20629 - EPA SW846-3510C Low Level											
Blank (BI20629-BLK1)								Prepared & Analyzed: 09/18/2012			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.197*		*"*	*0.201*		*98.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.175*		*"*	*0.200*		*87.5*	*30-150*				
LCS (BI20629-BS2)								Prepared & Analyzed: 09/18/2012			
Aroclor 1016	0.642	0.0500	ug/L	1.00		64.2	40-140				
Aroclor 1260	0.566	0.0500	"	1.00		56.6	40-140				
Surrogate: Tetrachloro-m-xylene	*0.207*		*"*	*0.201*		*103*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.183*		*"*	*0.200*		*91.5*	*30-150*				
LCS Dup (BI20629-BSD2)								Prepared & Analyzed: 09/18/2012			
Aroclor 1016	0.673	0.0500	ug/L	1.00		67.3	40-140		4.78	200	
Aroclor 1260	0.611	0.0500	"	1.00		61.1	40-140		7.58	200	
Surrogate: Tetrachloro-m-xylene	*0.189*		*"*	*0.201*		*94.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.168*		*"*	*0.200*		*84.0*	*30-150*				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20442 - EPA 3010A											
Blank (BI20442-BLK1)								Prepared & Analyzed: 09/12/2012			
Arsenic	ND	0.00400	mg/L								
Chromium	ND	0.00500	"								
Copper	ND	0.00500	"								
Lead	ND	0.00300	"								
Duplicate (BI20442-DUP1)	*Source sample: 12I0370-03 (VE 4-11)							Prepared & Analyzed: 09/12/2012			
Arsenic	ND	0.00400	mg/L		ND					20	
Chromium	ND	0.00500	"		ND					20	
Copper	0.00995	0.00500	"		0.0101				1.77	20	
Lead	ND	0.00300	"		ND					20	
Matrix Spike (BI20442-MS1)	*Source sample: 12I0370-03 (VE 4-11)							Prepared & Analyzed: 09/12/2012			
Arsenic	2.31	0.00400	mg/L	2.00	ND	116	75-125				
Chromium	0.207	0.00500	"	0.200	ND	104	75-125				
Copper	0.286	0.00500	"	0.250	0.0101	110	75-125				
Lead	0.500	0.00300	"	0.500	ND	99.9	75-125				
Reference (BI20442-SRM1)								Prepared & Analyzed: 09/12/2012			
Arsenic	0.138	0.00400	mg/L	0.138		99.8	81.2-119				
Chromium	0.391	0.00500	"	0.389		101	86.9-113				
Copper	0.452	0.00500	"	0.446		101	89.9-110				
Lead	2.07	0.00300	"	1.97		105	87.8-112				
Batch BI20617 - EPA 3010A											
Blank (BI20617-BLK1)								Prepared: 09/17/2012 Analyzed: 09/18/2012			
Arsenic	ND	0.00400	mg/L								
Chromium	ND	0.00500	"								
Copper	ND	0.00500	"								
Lead	ND	0.00300	"								

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI20617 - EPA 3010A											
Reference (BI20617-SRM1)								Prepared: 09/17/2012 Analyzed: 09/18/2012			
Arsenic	0.131	0.00400	mg/L	0.138		94.8	81.2-119				
Chromium	0.392	0.00500	"	0.389		101	86.9-113				
Copper	0.446	0.00500	"	0.446		100	89.9-110				
Lead	2.07	0.00300	"	1.97		105	87.8-112				
Batch BI20618 - EPA 3010A											
Blank (BI20618-BLK1)								Prepared: 09/17/2012 Analyzed: 09/18/2012			
Arsenic	ND	0.00400	mg/L								
Chromium	ND	0.00500	"								
Copper	ND	0.00500	"								
Lead	ND	0.00300	"								
Duplicate (BI20618-DUP1)	*Source sample: 12I0446-03 (VE 2-1)							Prepared: 09/17/2012 Analyzed: 09/18/2012			
Arsenic	ND	0.00400	mg/L		ND					20	
Chromium	ND	0.00500	"		ND					20	
Copper	0.00656	0.00500	"		0.00672				2.43	20	
Lead	ND	0.00300	"		ND					20	
Matrix Spike (BI20618-MS1)	*Source sample: 12I0446-03 (VE 2-1)							Prepared: 09/17/2012 Analyzed: 09/18/2012			
Arsenic	2.16	0.00400	mg/L	2.00	ND	108	75-125				
Chromium	0.211	0.00500	"	0.200	ND	105	75-125				
Copper	0.265	0.00500	"	0.250	0.00672	103	75-125				
Lead	0.517	0.00300	"	0.500	ND	103	75-125				
Reference (BI20618-SRM1)								Prepared: 09/17/2012 Analyzed: 09/18/2012			
Arsenic	0.133	0.00400	mg/L	0.138		96.6	81.2-119				
Chromium	0.389	0.00500	"	0.389		100	86.9-113				
Copper	0.442	0.00500	"	0.446		99.2	89.9-110				
Lead	2.05	0.00300	"	1.97		104	87.8-112				

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

Corrective Action: Client did not submit enough sample volume for MS/MSD on sample VE 4-11 - JG 09/12/2012 Run as duplicate & provide batch MS/MSD as discussed w/T. Roszak PM 9/14/12

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12I0370

YOUR Information	**Report To:**	**Invoice To:**	**YOUR Project ID**	**Turn-Around Time**	**Report Type/Deliverbles**
Company:	Company:	Company:	HARMON OU-2	RUSH - Same Day ☐	Summary Report ____
Address: MNR	Address: MNR	Address: MNR	**Purchase Order No.**	RUSH - Next Day ☐	Summary w/ QA Summary ☐
Phone No.	Phone No. +	Phone No.		RUSH - Two Day ☐	CT RCP Package ____
Contact Person:	Attention: DAY TOM ROSZAK	Attention:	Samples from: CT___ NY___ NJ___	RUSH - Three Day ☐	NY ASP A Package ____
E-Mail Address:	E-Mail Address:	E-Mail Address:		RUSH - Four Day ☐	NY ASP B Package ____
				Standard(5-7 Days) ☒	*Electronic Deliverables:* NYSDEC EDD (Specify Type) EQUIS
					Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

TRoyle
Samples Collected/Authorized By (Signature)

TomRoszak
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
VE 3-1	9/11/12	GW	STARS VOCs + chlorobenzene (8260)	(2) 1 L glass
DAY 1	↓	↓	STARS SVOCs + 2 methylnapthalene (8270)	(2) 40ml VOA/HCl
VE 4-11			PCBs (8080)	(1) 250ml+ plastic w/ HNO_3
VE 4-11 MS/MSD			Arsenic, chromium, copper, lead (each sample)	(each sample)

Preservation Check those Applicable: 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Comments
Combine on report with OU-2 samples to be taken on 9/12/12. delivered to lab on 9/13/12.

TRoyle	9/12/12 0700		
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		Phoce	9-12-12 1040
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 5.5 °C

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

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York Project No. 12I0446

YOUR Information	**Report To:**	**Invoice To:**	**YOUR Project ID**	**Turn-Around Time**	**Report Type/Deliverbles**
Company:	Company:	Company:	HARMON OU2	RUSH - Same Day ☐	Summary Report ☐
Address: MNR	Address: MNR +	Address: MNR	**Purchase Order No.**	RUSH - Next Day ☐	Summary w/ QA Summary ☐
Phone No.	Phone No. DAY	Phone No.		RUSH - Two Day ☐	CT RCP Package ☐
Contact Person:	Attention: TomRoszak	Attention:		RUSH - Three Day ☐	NY ASP A Package ☐
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT (NY) NJ	RUSH - Four Day ☐	NY ASP B Package ☐
				Standard(5-7 Days) ☒	*Electronic Deliverables:* EDD (Specify Type): EQUIS
					Excel ☐

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

T Roszak
Samples Collected/Authorized By (Signature)
Tom Roszak
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. 1X	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
VE 1-2	9/12/12	GW	STARS VOCs + chlorobenzene (8260)	(2) 1 L glass
VE 1-4	↓	↓	STARS SVOCs + (2) methylnaphthlene (8270) each sample	(2) 40ml VOA
VE 2-1			PCBs (8080)	(1) 250ml plastic* HNO3
FB			Arsenic, chromium, copper, lead	
TRIP BLANK			STARS VOCs + chlorobenzene (8260) only	(2) 40ml VOA

Preservation Check those Applicable: 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Comments
combine results on same report w/ HARMON OU2 samples from 9/11.

T Roszak	9/13/12 0700	Chris	9-13-12 13:10	Temperature on Receipt 4.6 °C
Samples Relinquished By	Date/Time	Samples Received By	Date/Time	
Samples Relinquished By	Date/Time	Samples Received in LAB by J. Lee	9/13/12 1530 Date/Time	

ATTACHMENT I

VACUUM ENHANCED VAPOR RECOVERY WELL DECOMMISSIONING LOGS

and

NYSDEC APPROVAL LETTER, DATED JUNE 10, 2011

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **Fax:** (518) 402-9020
Website: www.dec.ny.gov

Joe Martens
Commissioner

June 10, 2011

Ms. Joanne Reilly, M.P.H.
Assistant Director, Environmental Compliance and Services
Metro-North Railroad
525 North Broadway
White Plains, New York 10603

RE: January 1, 2010 – September 30, 2010 Status Report Review
Harmon Railroad Yard OU2 Inactive Hazardous Waste Site No. 360010

Dear Ms. Reilly:

The New York State Department of Environmental Conservation (Department) has reviewed the subject document which also includes a proposal to decommission 35 wells associated with the existing monitoring network for the Harmon Railroad Yard OU2 Inactive Hazardous Waste Site. Based upon review and subsequent telephone discussions with Day Environmental and you on June 8, 2011, approval has been granted by the Department. Decommissioning activities shall be conducted in accordance with **Commissioner Policy CP-43:Groundwater Monitoring Well Decommissioning Policy** found at http://www.dec.ny.gov/docs/remediation_hudson_pdf/cp43mwdecomm.pdf .

The necessity to develop a comprehensive, detailed groundwater plume and LNAPL sampling monitoring program was also discussed during our conversation. It is my understanding that Metro-North will be including the specifics of such a plan within the Site Management Plan currently being prepared by Day Environmental. It is anticipated that future discussions on this subject matter associated with the SMP will be required before it is ultimately approved by the Department.

In the meantime, please feel free to contact me at (518) 402-9814 or djchiusa@gw.dec.state.ny.us should you have any questions.

Sincerely,

David J. Chiusano, Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

ec: K.Timko, MNRR
T.Roszak, Day Env.
J.Magyas, MNR Env

INTERNATIONAL YEAR OF FORESTS 2011

FIGURE 3

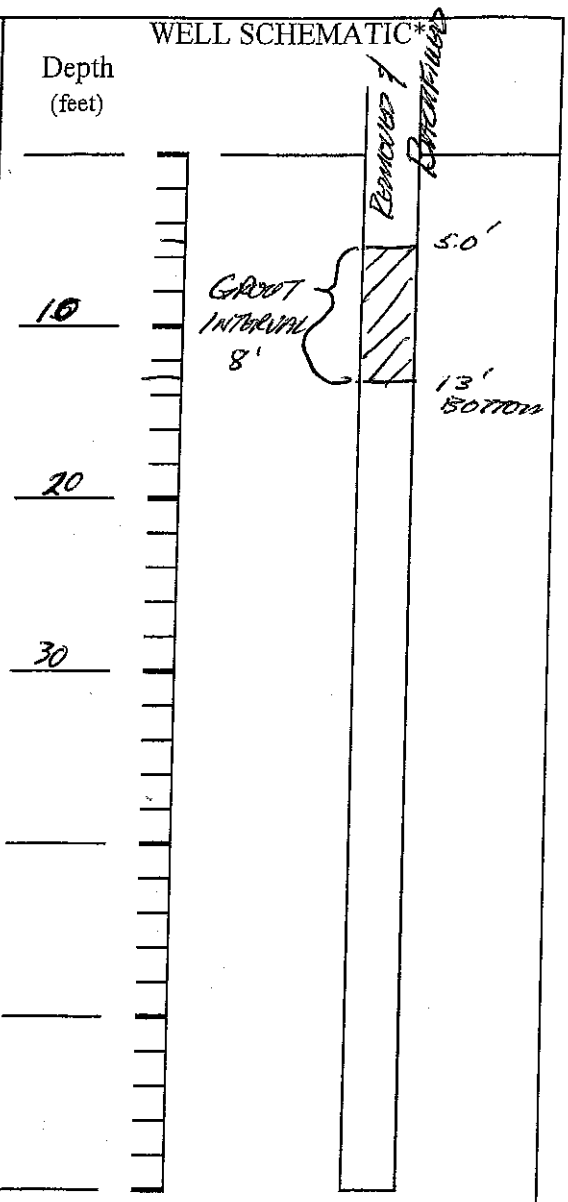
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: AL1-2
Site Location: Groton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3-13'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	3.2

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - 7.18' DTW (From Grade) No Prod
2. Cut Off & Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

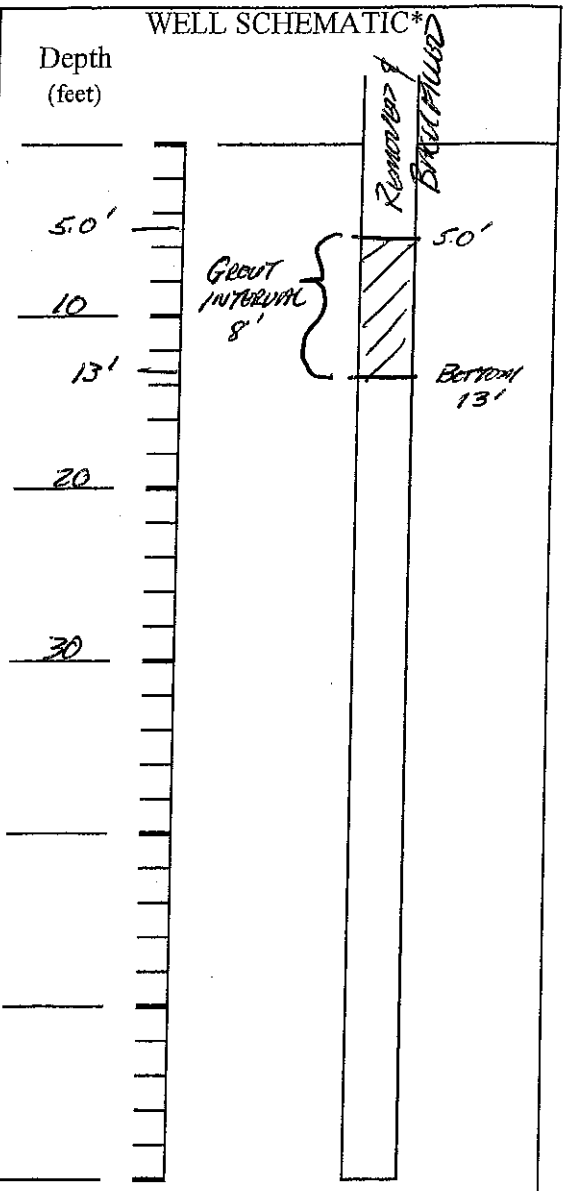
WELL DECOMMISSIONING RECORD

Site Name: Moores North Harmon Yard	Well I.D.: AL1-3
Site Location: Colonie, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-13'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	4.0

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 6.40' From Grade (No Prod)
2. Cut Off & Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

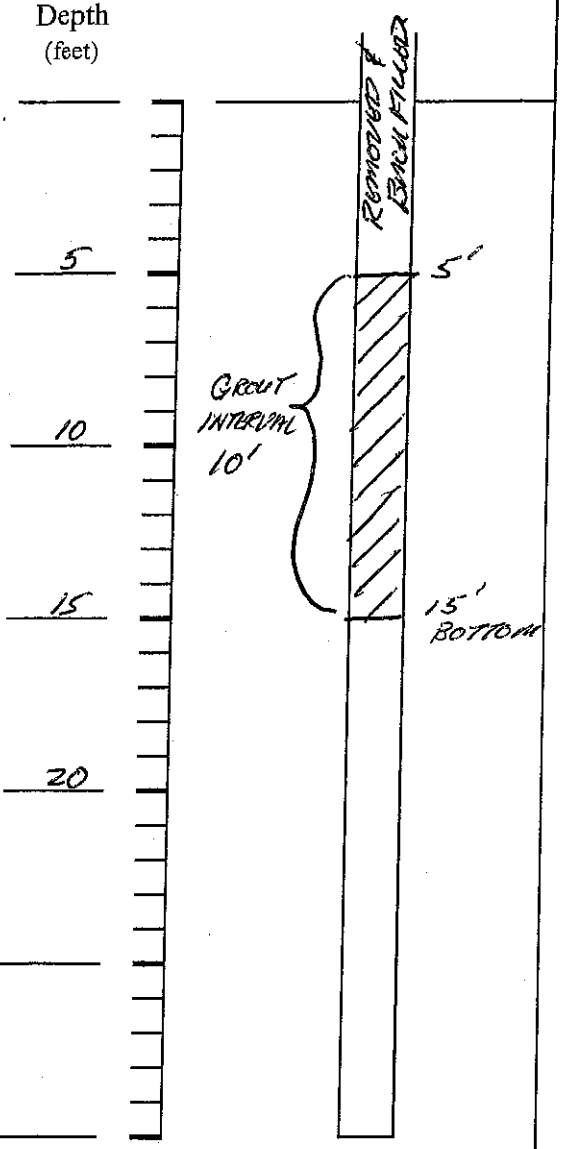
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: AL1-5
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	6

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 7.97 (From Geneds) No Prod.
2. Cut Off And Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

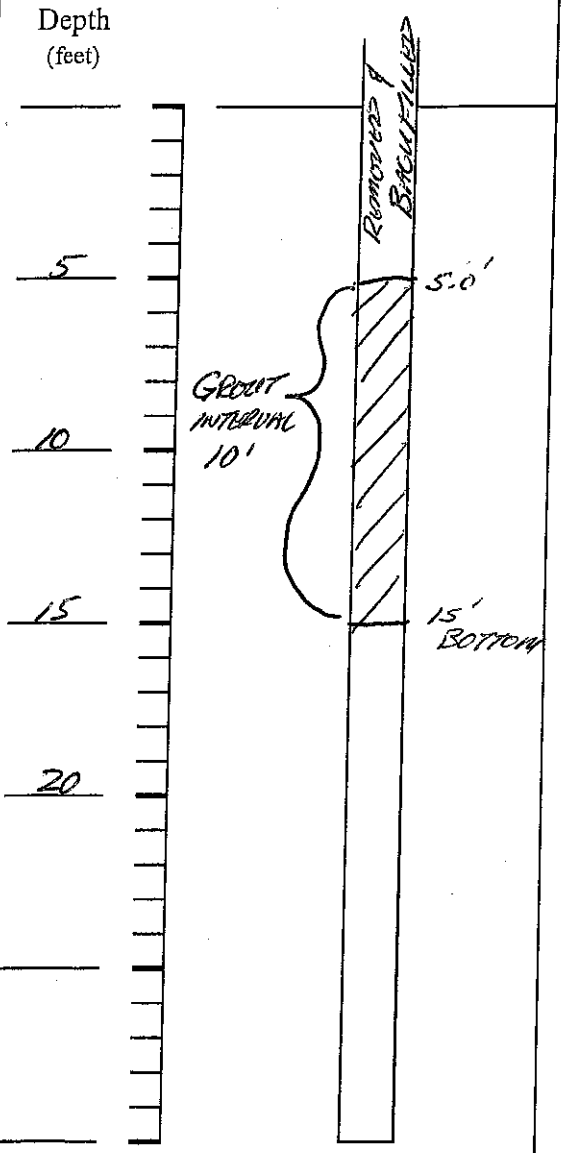
WELL DECOMMISSIONING RECORD

Site Name: Mobil Northern Harmon Yard	Well I.D.: ML1-6
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 8.71 (From Gauge) No Prod.
2. Cut Off & Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

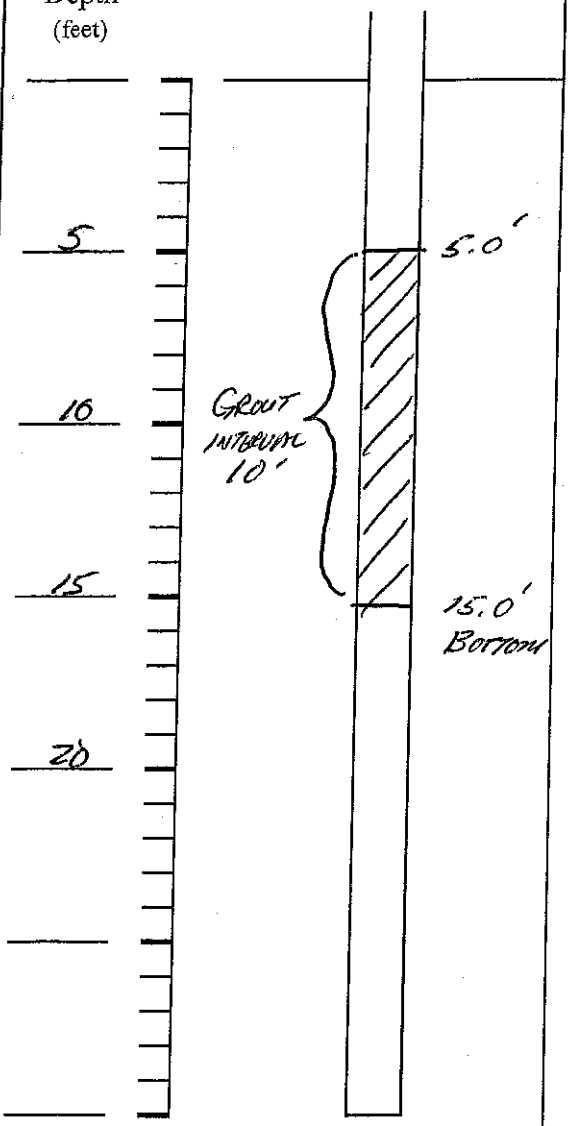
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harbison Yard	Well I.D.: AL1-7
Site Location: Creedmoor, N.C.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	5.0

WELL SCHEMATIC*



COMMENTS:

1. CAPPED WELL - DTW 9.16' (FROM GROUND) NO PROD
2. CUT OFF & BACKFILLED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

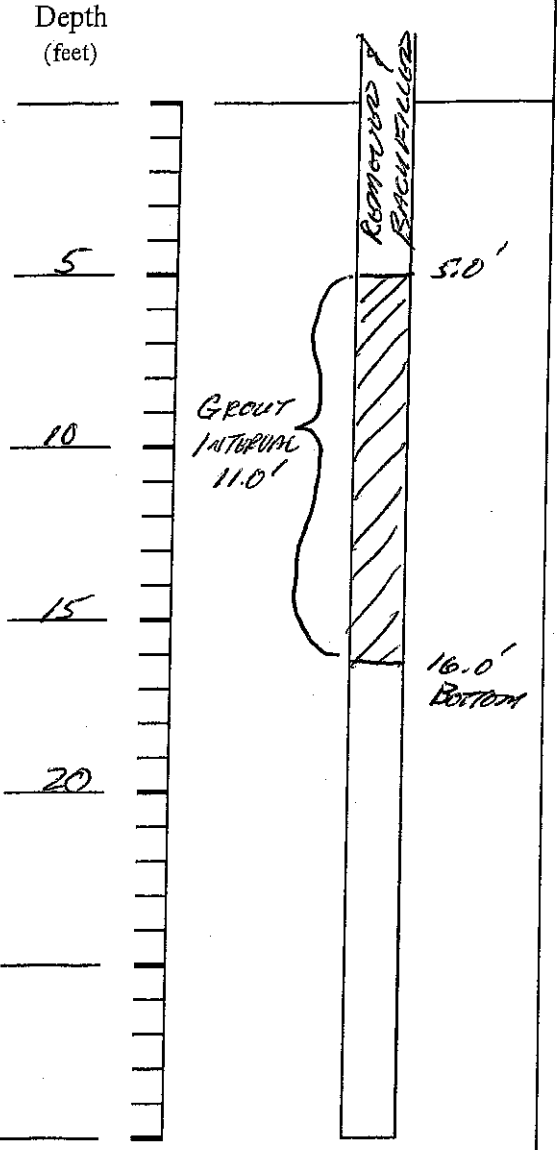
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: AL1-9
Site Location: Creedmoor, N.C.	Driller:
Drilling Co.: Miller Groundwater Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-16'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	6.0

WELL SCHEMATIC*



COMMENTS:

1. GROUTED WELL - DTW 9.62' (FROM GROUT) NO PROD
2. CUT OFF & BACKFILLED.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

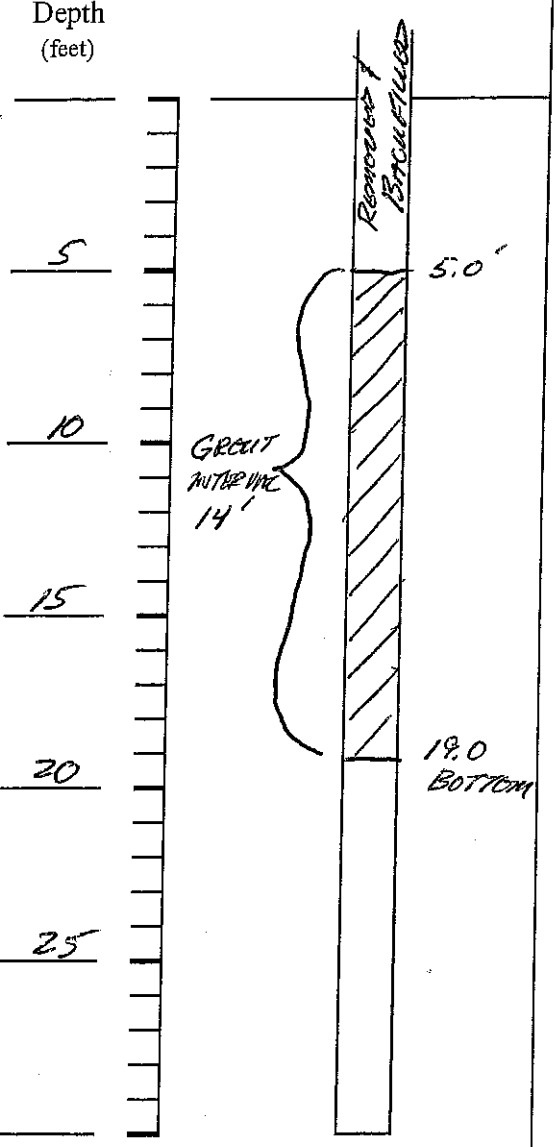
WELL DECOMMISSIONING RECORD

Site Name: Monroe North Harmon Yard	Well I.D.: AL1-10
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-19'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	7.0

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 12.83' (From Geoprobe) No Prod
2. Cut Off & Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

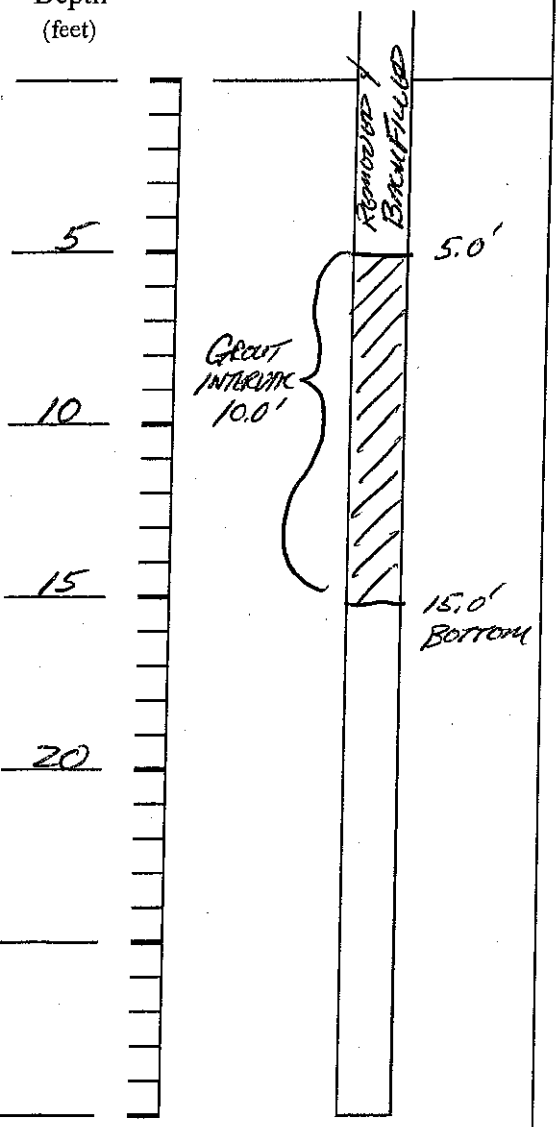
WELL DECOMMISSIONING RECORD

Site Name: Moore North Harmon Yard	Well I.D.: AL1-13
Site Location: Groton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I - Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	4.0

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 11.85 (From Grade) No Prod
2. Cut Off & Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

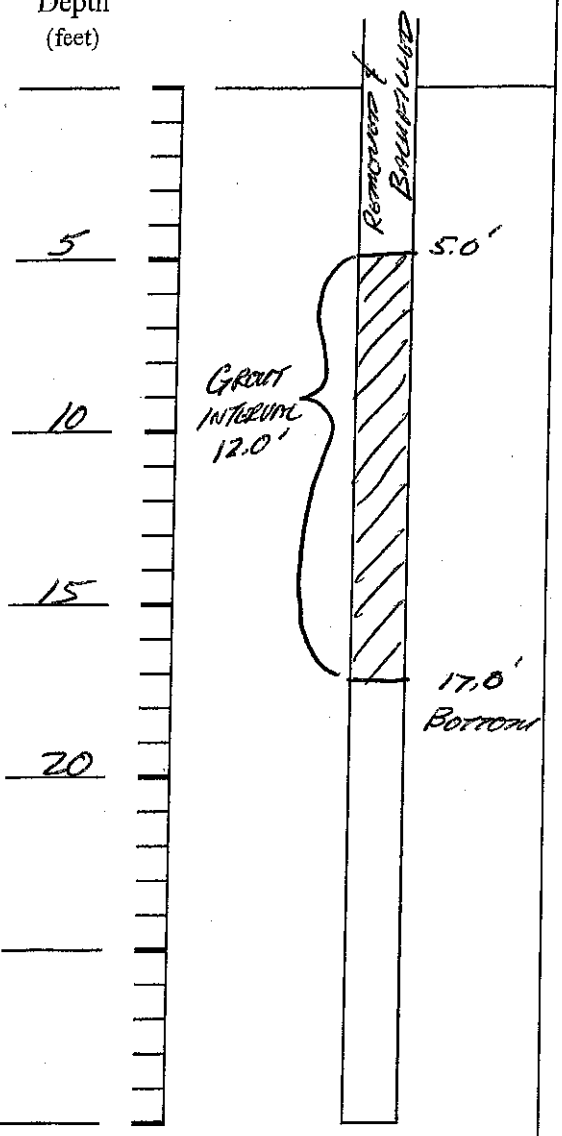
WELL DECOMMISSIONING RECORD

Site Name: Moran North Harmon Yard	Well I.D.: AC1-14
Site Location: Ceoron, N.Y.	Driller:
Drilling Co.: Mulle Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-17'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	4.5

WELL SCHEMATIC*



COMMENTS:

1 GAUGED WELL - DTW 12.40' (FROM GROUND) - NO PROD

2 CUT OFF & BACKFILLED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

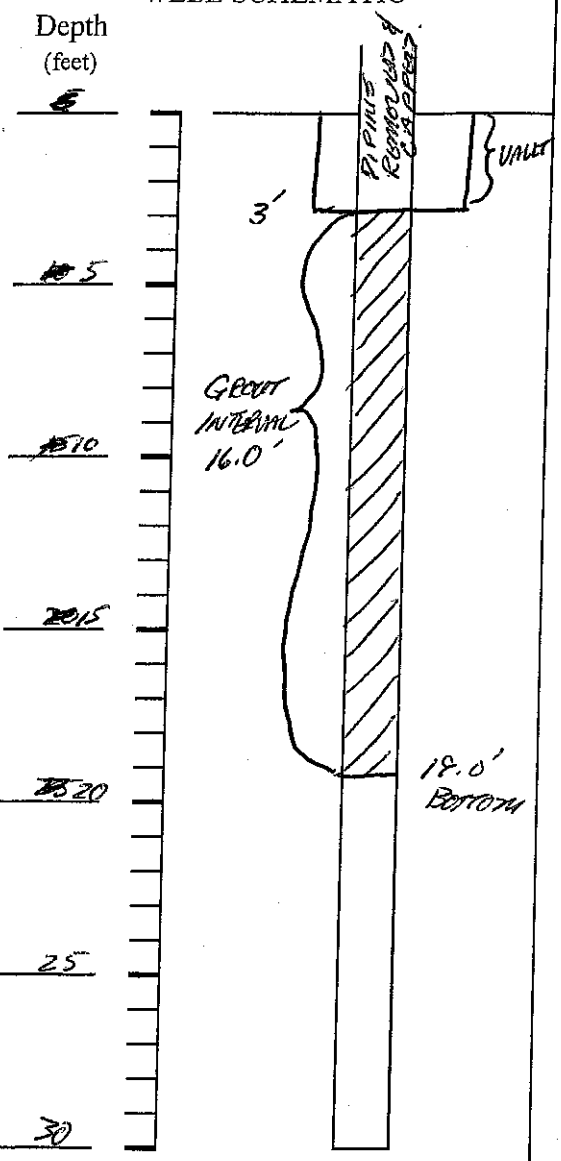
WELL DECOMMISSIONING RECORD

Site Name: Monroe North Harmon Yard	Well I.D.: VE1-5
Site Location: Clayton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3'-18'
# of batches prepared	2.5
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I Portland
Quantity of bentonite used (lbs.)	3.8
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	25
Volume of grout used (gal.)	21

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 12.12' - NO PRODUCT
2. Cut off Piping (3") to Well & Capped, Cut off Well at Vault & Grouted

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

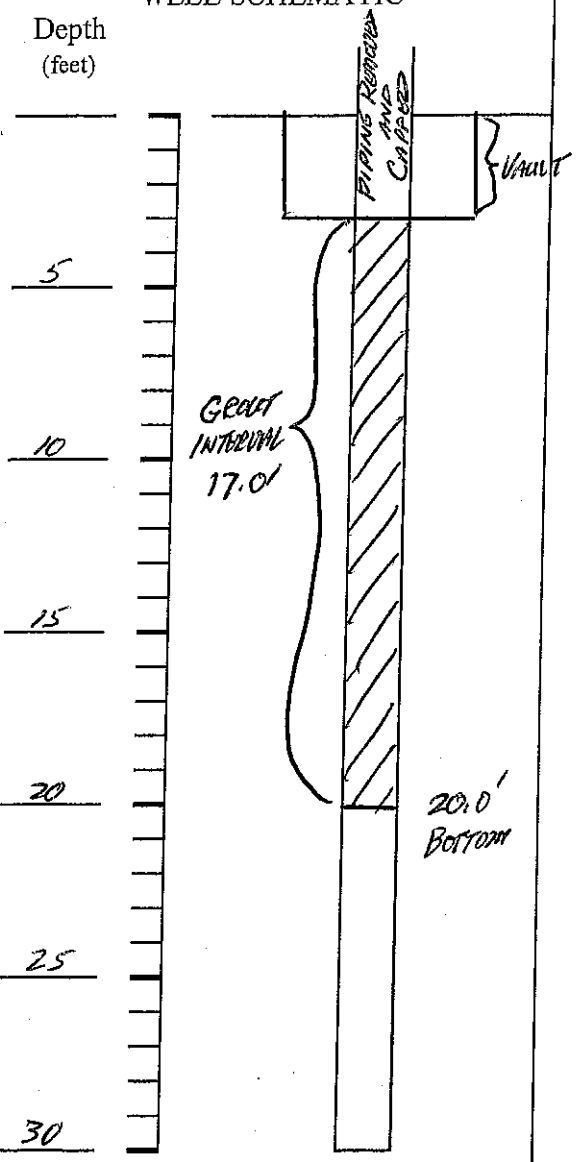
WELL DECOMMISSIONING RECORD

Site Name: Monro North Harrison Yard	Well I.D.: VET-6
Site Location: Creston, N.J.	Driller:
Drilling Co.: Miller Groundwater Const., Inc.	Inspector:
	Date:

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3'-20'
# of batches prepared	2.5
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	25
Volume of grout used (gal.)	25

WELL SCHEMATIC*



COMMENTS:
1. GAUGED WELL - DTW 11.06' - NO PRODUCT
2. CUT OFF PIPING (3") TO WELL & CAPPED, CUT OFF WELL AT VAULT & GROUTED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

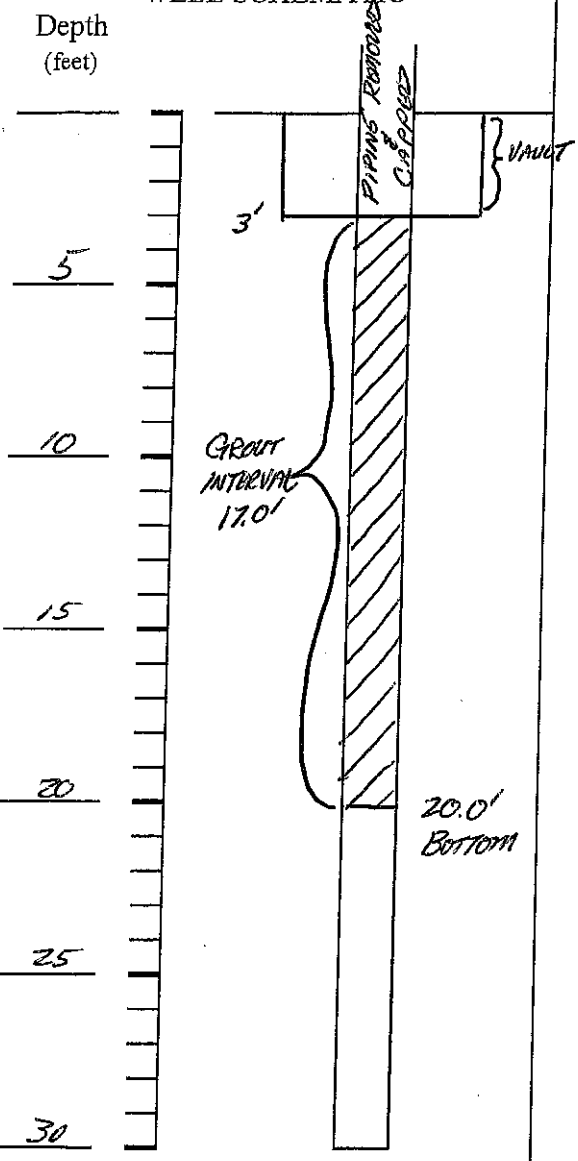
WELL DECOMMISSIONING RECORD

Site Name: Monroe North Harmon Yard	Well I.D.: VG1-7
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Malcolm Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3'-20'
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	20
Volume of grout used (gal.)	20

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 10.19' - No Product
2. Cut Off Piping (3") at Well & Capped, Cut Off Well At Vault & Grouted

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: VE1-8
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

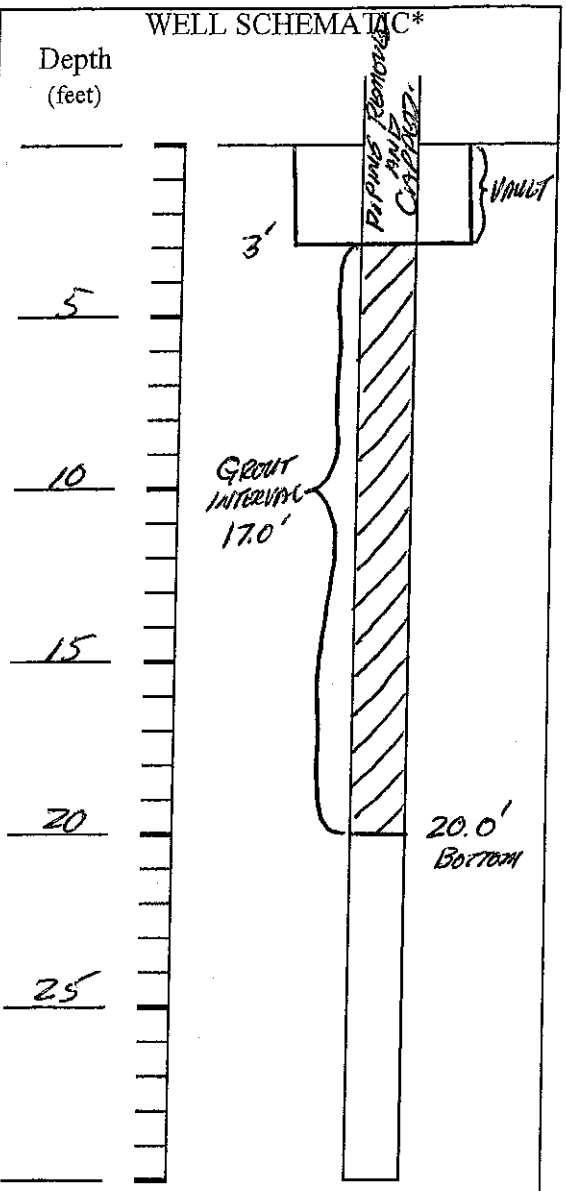
CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLS)	3'-20'
# of batches prepared	2.5
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	25
Volume of grout used (gal.)	21

WELL SCHEMATIC*



COMMENTS:

1. GAUGED WELL - DTW 9.91' - NO PRODUCT.
2. CUT OFF PIPING (3") TO WELL & CAPPED, CUT OFF WELL AT VAULT & GROUTED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

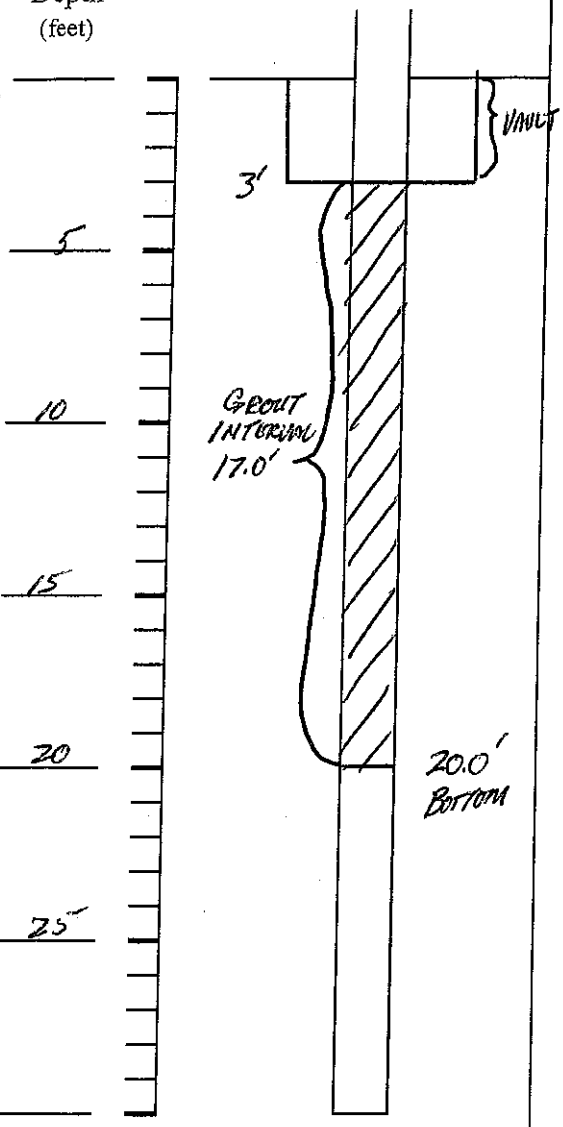
WELL DECOMMISSIONING RECORD

Site Name: Monro North Harmon Yard	Well I.D.: VE1-9
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3'-20'
# of batches prepared	2-5
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I-PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	25
Volume of grout used (gal.)	25

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 12.51' - No Product
2. Cut off Piping (3") to well & Capped, Cut off Well at Vault & Grouted

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

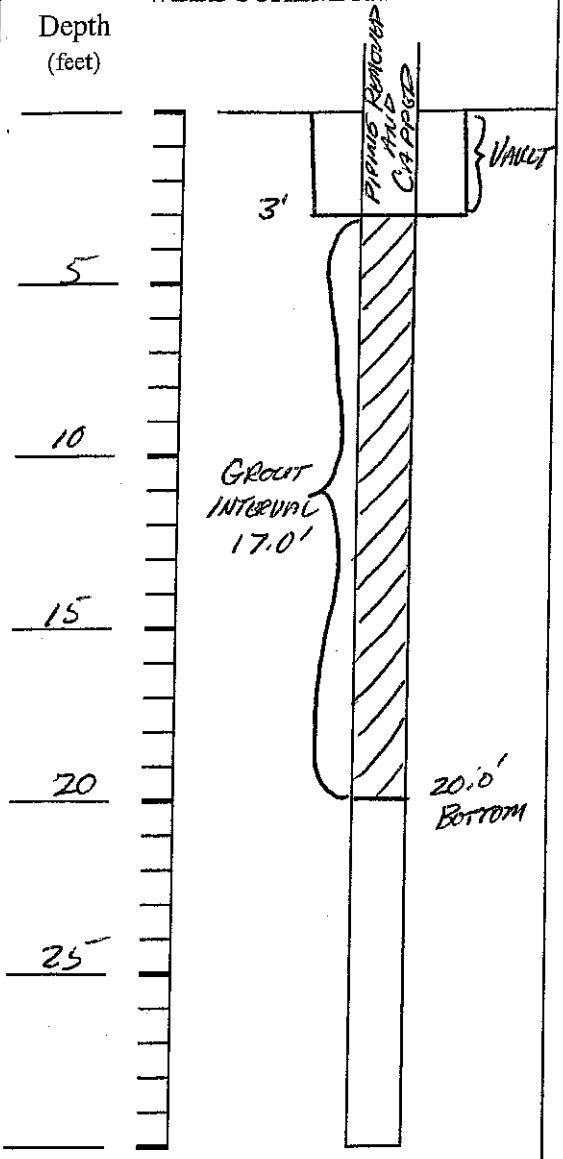
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harwood Yard	Well I.D.: VE1-10
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3'-20'
# of batches prepared	2.0
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I-PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	20
Volume of grout used (gal.)	20

WELL SCHEMATIC*



COMMENTS:

1. GAUGED WELL - DTW 11.77' - NO PRODUCT
2. CUT OFF PIPING (3') TO WELL & CAPPED, CUT OFF WELL AT VAULT & GROUTED.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

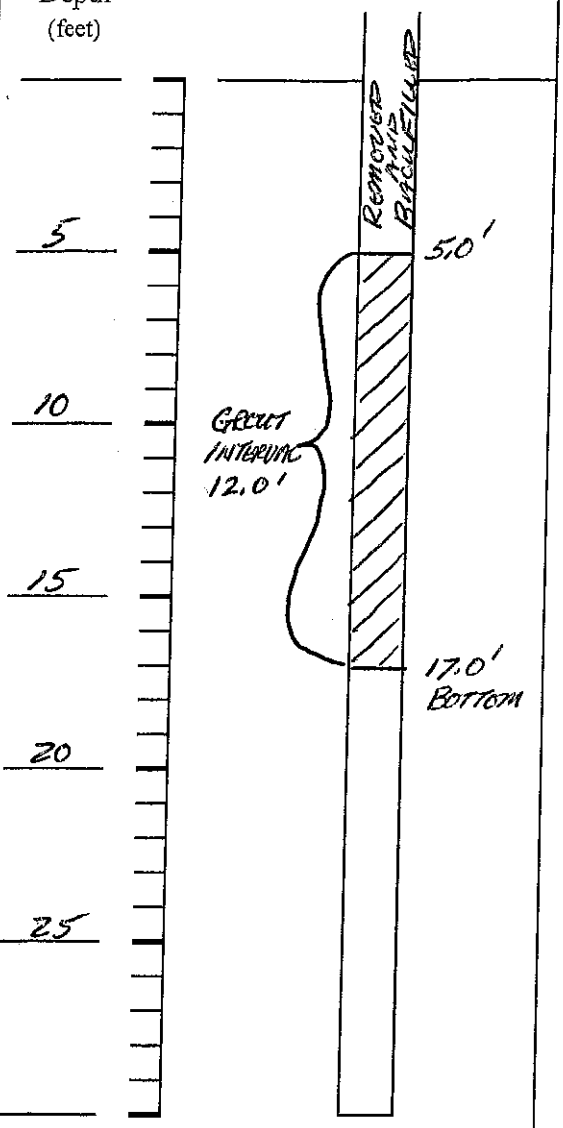
WELL DECOMMISSIONING RECORD

Site Name: Mobil Norco Harmon Jones	Well I.D.: AL 2-1
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-7-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-17'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.8
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	4

WELL SCHEMATIC*



COMMENTS:
1. GAUGED WELL - DTW 10.61 (FROM GRADE) NO PRODUCT
2. CUT OFF & BACKFILLED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

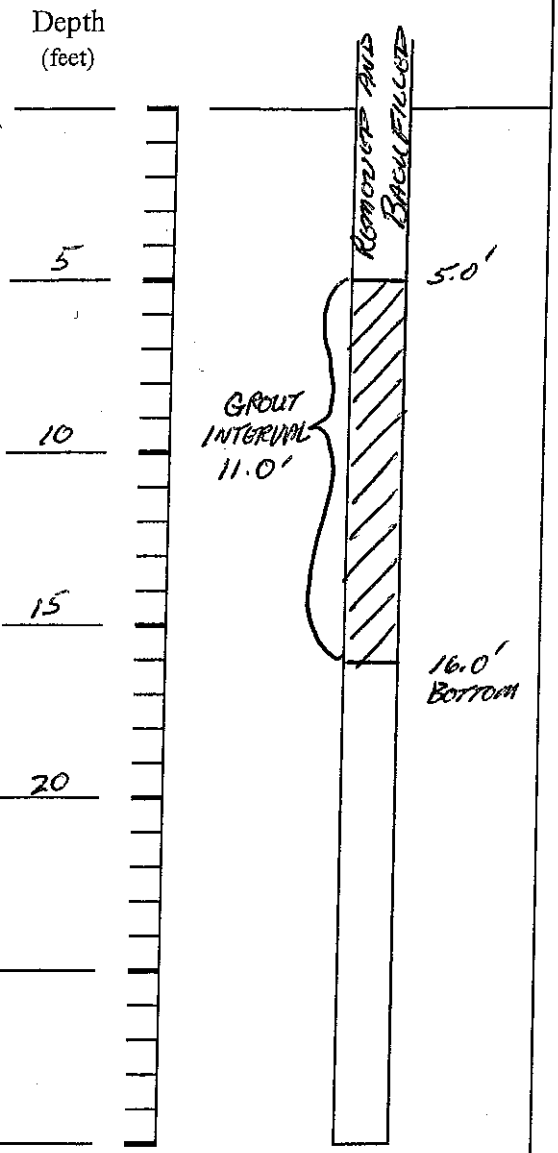
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: AL 3-1
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-16'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.8
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	3

WELL SCHEMATIC*



COMMENTS:

1. GAUGED WELL - DTW 11.33' (FROM GRADE) - NO PRODUCT.
2. CUT OFF AND BACKFILLED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

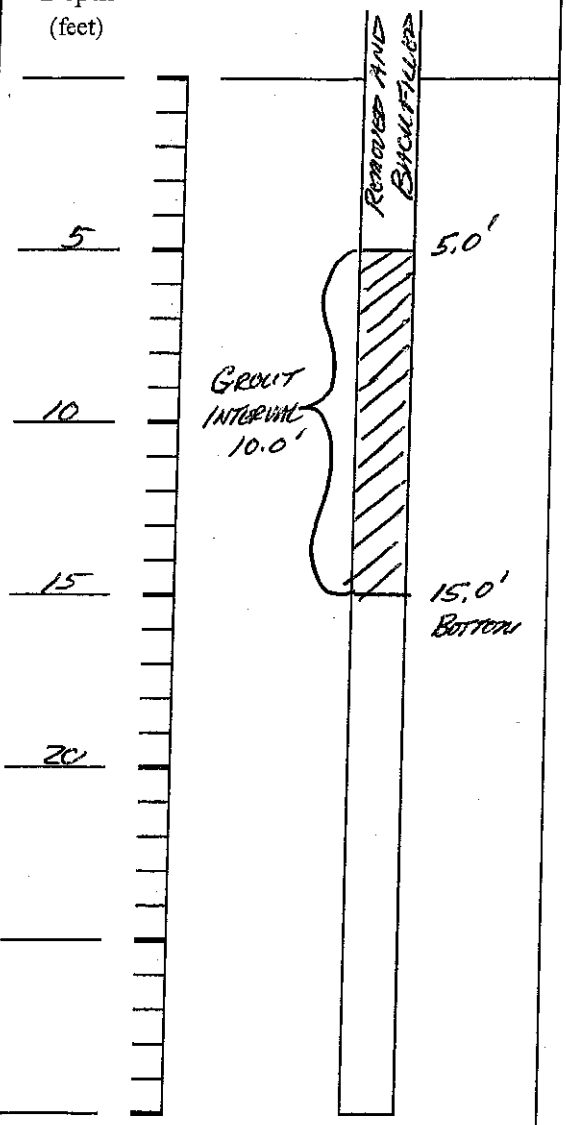
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: AL3-2
Site Location: Creston, AL	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	4.0

WELL SCHEMATIC*



COMMENTS:

1. GAUGED WELL - DTW 9.72 (FROM GRADE) NO PROD.
2. CUT OFF AND BACKFILLED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: Mobro North Hudson Yard	Well I.D.: AL3-3
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

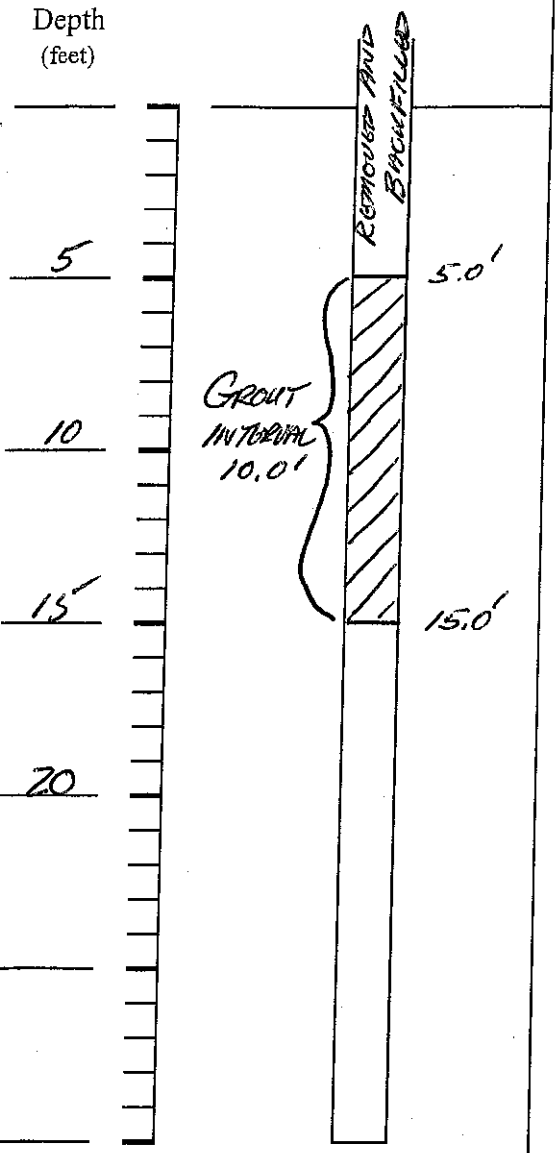
CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I-Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	3

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well. - DTW 9.22' (From Gauge) No Prod.
2. Cut Off And Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

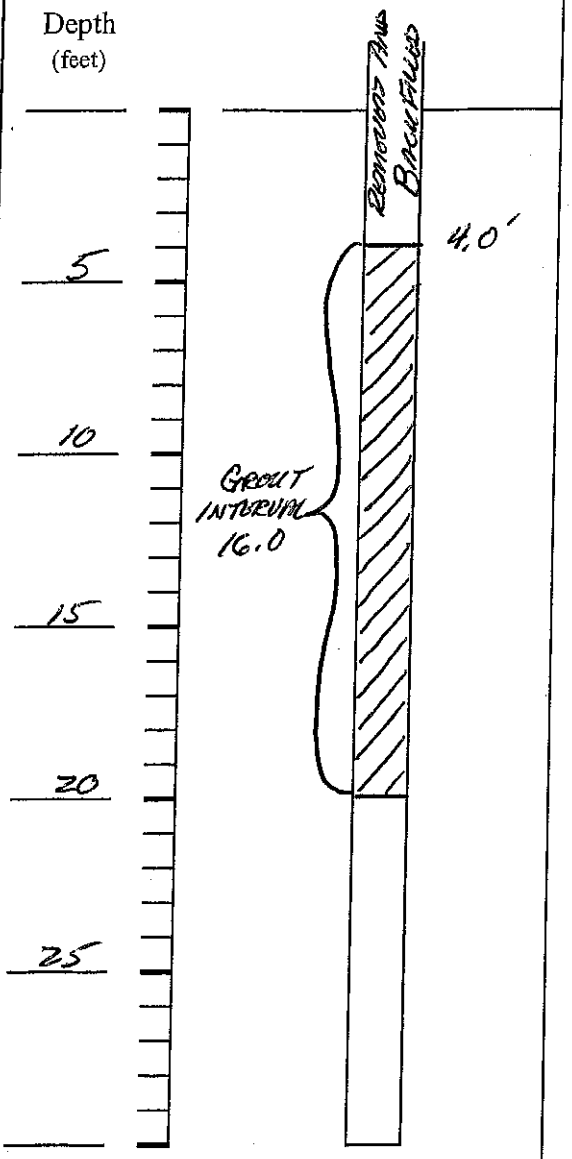
WELL DECOMMISSIONING RECORD

Site Name: Motor North Harmon Yard	Well I.D.: VE3-2
Site Location: Creedmoor, N.Y.	Driller:
Drilling Co.: Malone Environmental Group, LLC	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	4'-20'
# of batches prepared	2.5
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	25
Volume of grout used (gal.)	25

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 9.78 - No Product
2. No Vault On Well - Cut Off Well At 4' And Grouted (4" Well)

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

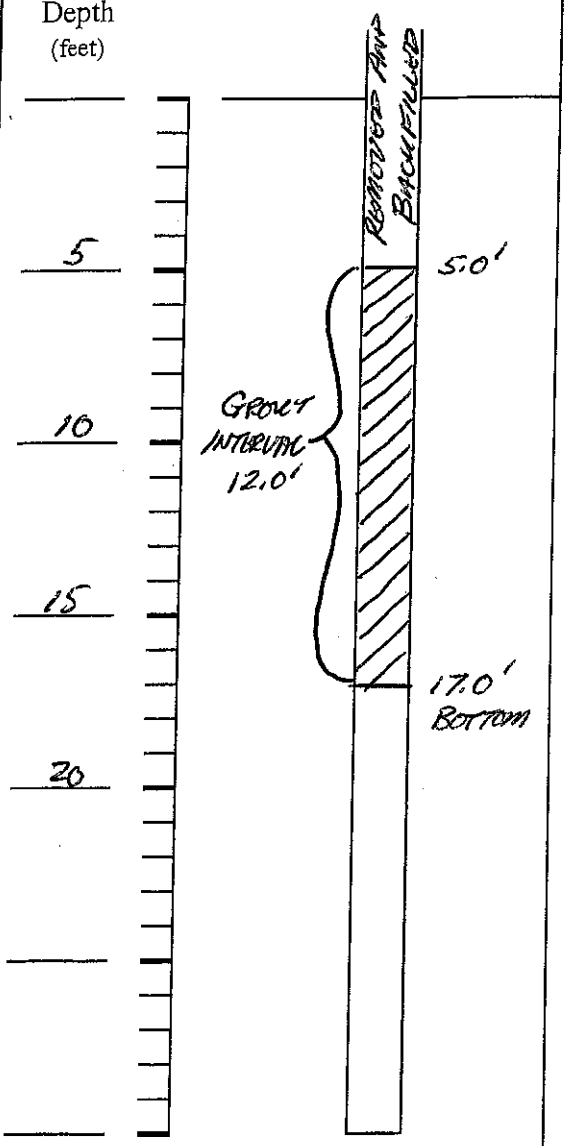
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: FA4-1
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-17'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	5.0

WELL SCHEMATIC*



COMMENTS:

1. GAUGED WELL - DTW 12.39 (FROM GRADE) NO PROD.
2. CUT OFF AND BACKFILLED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

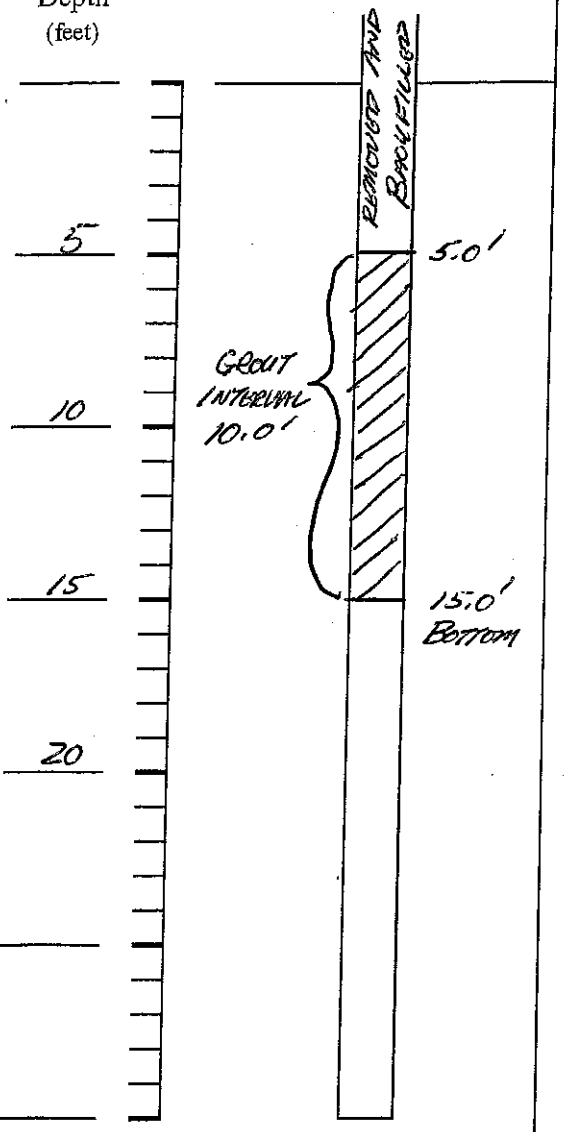
WELL DECOMMISSIONING RECORD

Site Name: Motiva Newark Harmon Yard	Well I.D.: FA4-2
Site Location: Elizabeth, N.J.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	3.5

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 4.61 (from Grade) No Prod.
2. Cut Off and Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

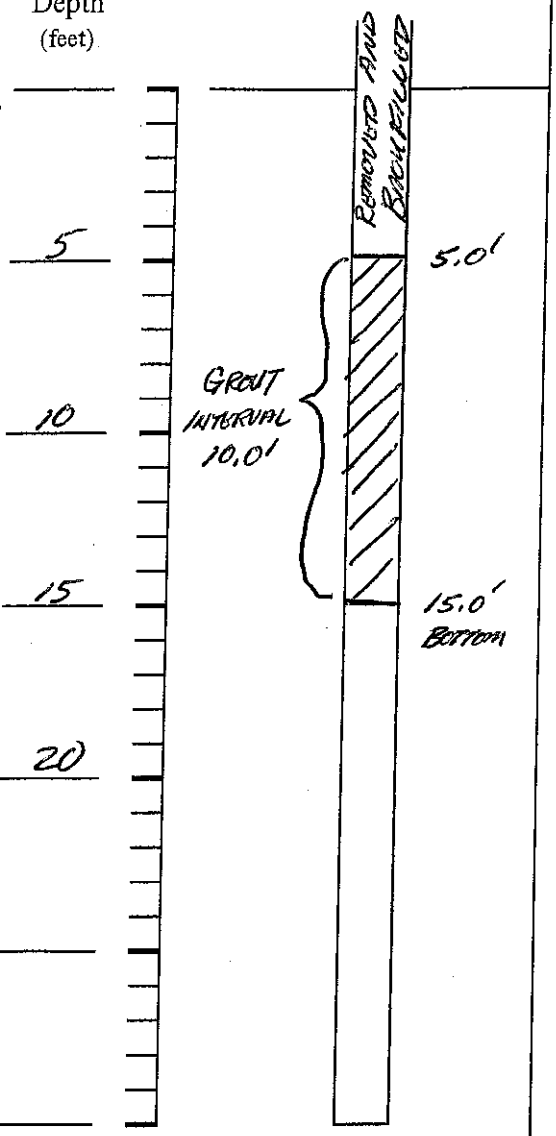
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: FH4-3
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I-Portland
Quantity of bentonite used (lbs.)	3.8
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	3.5

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 8.14 (From Geoprobe) No Prod.
2. Cut Off and Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

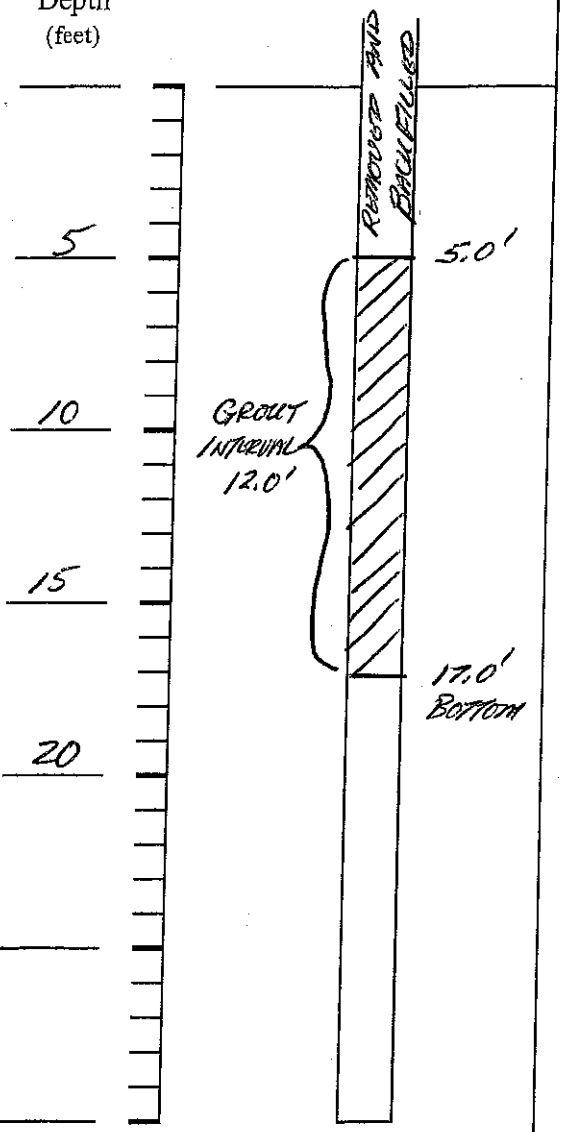
WELL DECOMMISSIONING RECORD

Site Name: Monco North Harmon Area	Well I.D.: FA4-4
Site Location: Conroe, N.C.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-17'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I-PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	4.0

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 11.36 (From Grade) No Prod.
2. Cut off and Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

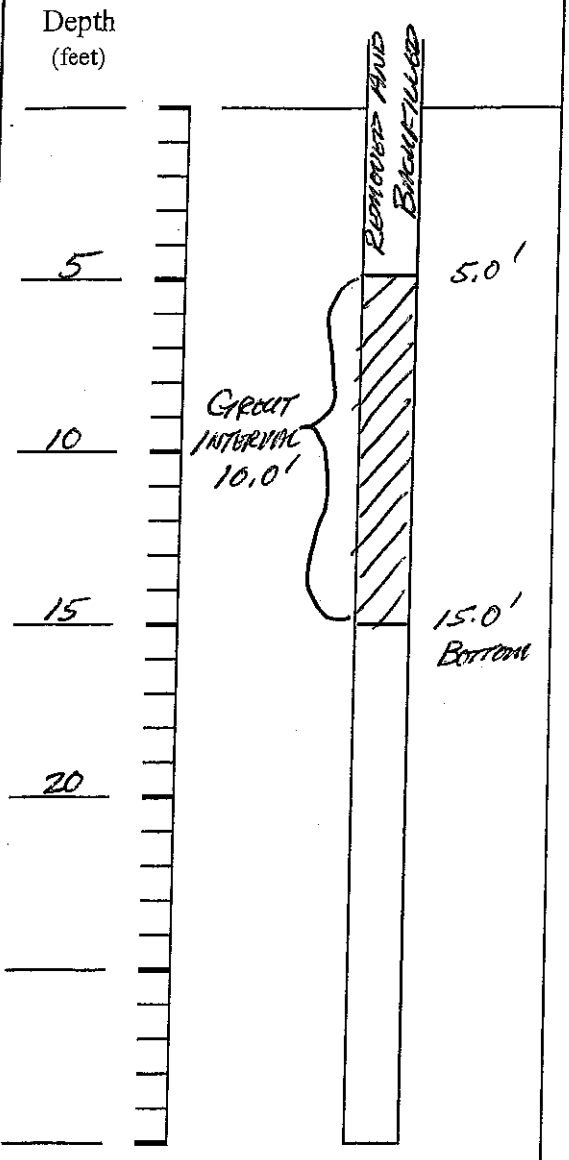
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: FA4-5
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-15'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	3.5

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 6.29 (From Grade) No Prod
2. Cut Off and Backfilled.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

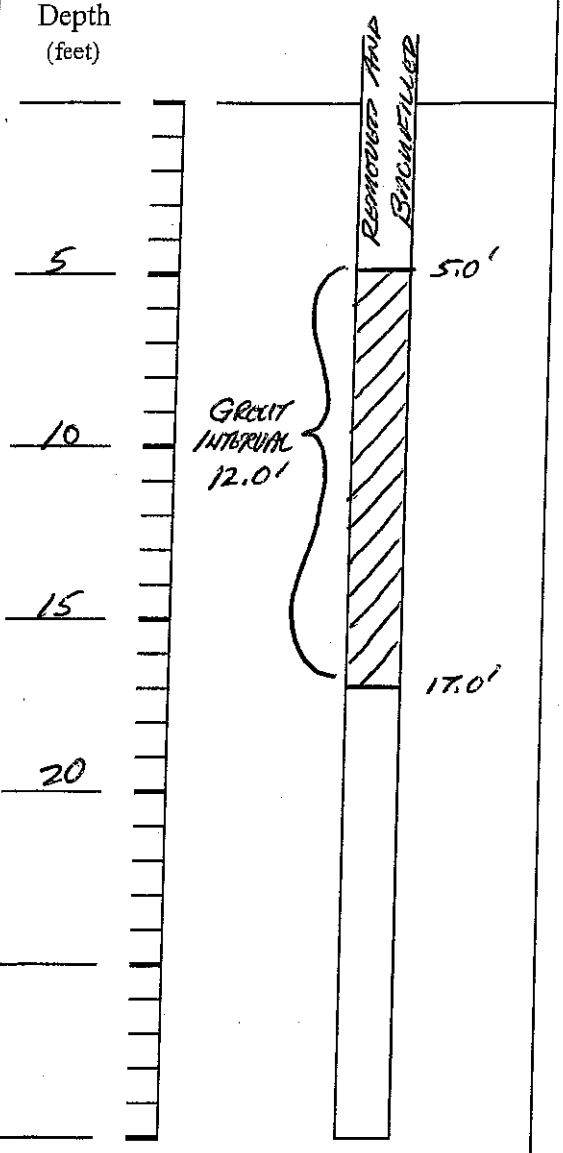
WELL DECOMMISSIONING RECORD

Site Name: Mobil Norris Harmon Yard	Well I.D.: FA4-6
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-17'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	4.0

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 11.39' (From Gauge) No Prod
2. Cut Off & Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

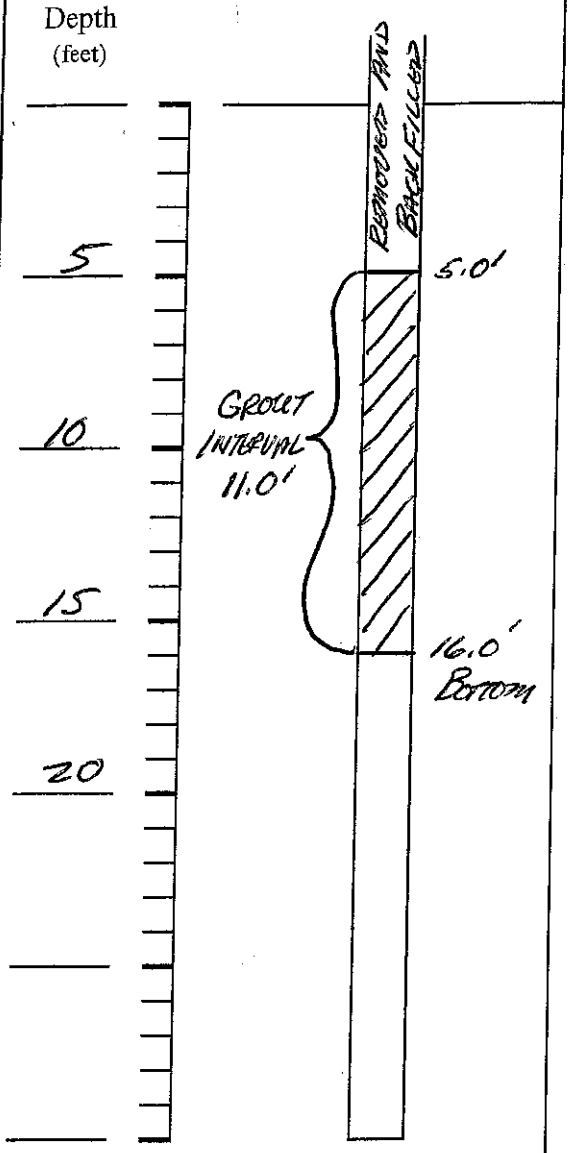
WELL DECOMMISSIONING RECORD

Site Name: Moses North Harmon Yard	Well I.D.: FA4-7
Site Location: Ceeron, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-16'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.8
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	4.0

WELL SCHEMATIC*



COMMENTS:
1. Gauged Well - DTW 6.52' (From Grade) No Prod.
2. Cut Off and Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

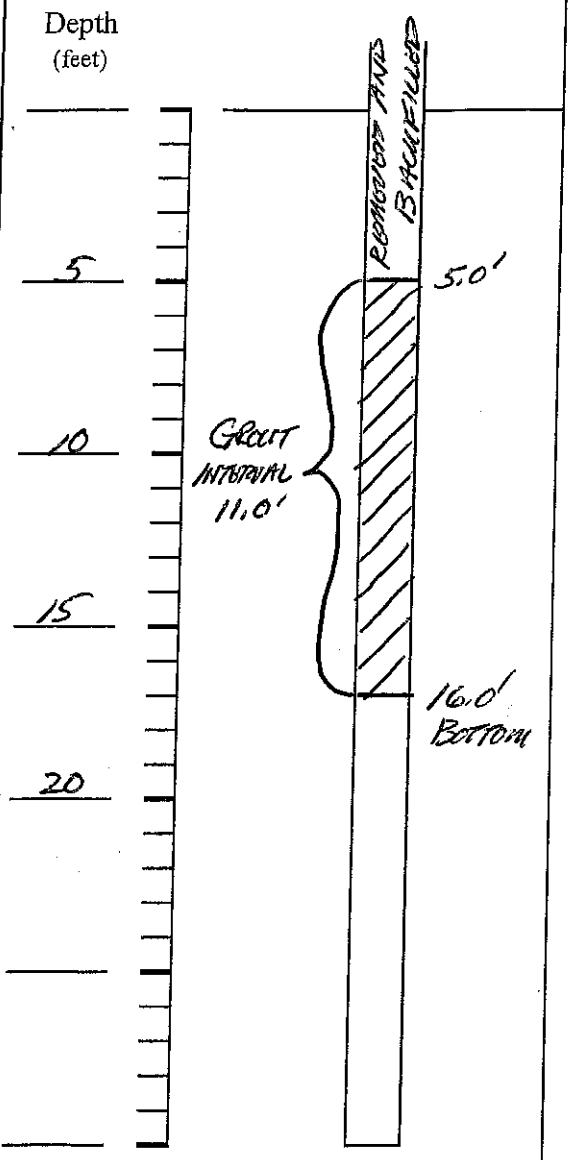
WELL DECOMMISSIONING RECORD

Site Name: Mohawk Northern Harmon Yard	Well I.D.: FA4-22
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-16'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	5.0

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 11.48' (From Grade) No Pad
2. Cut Off And Backfilled

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

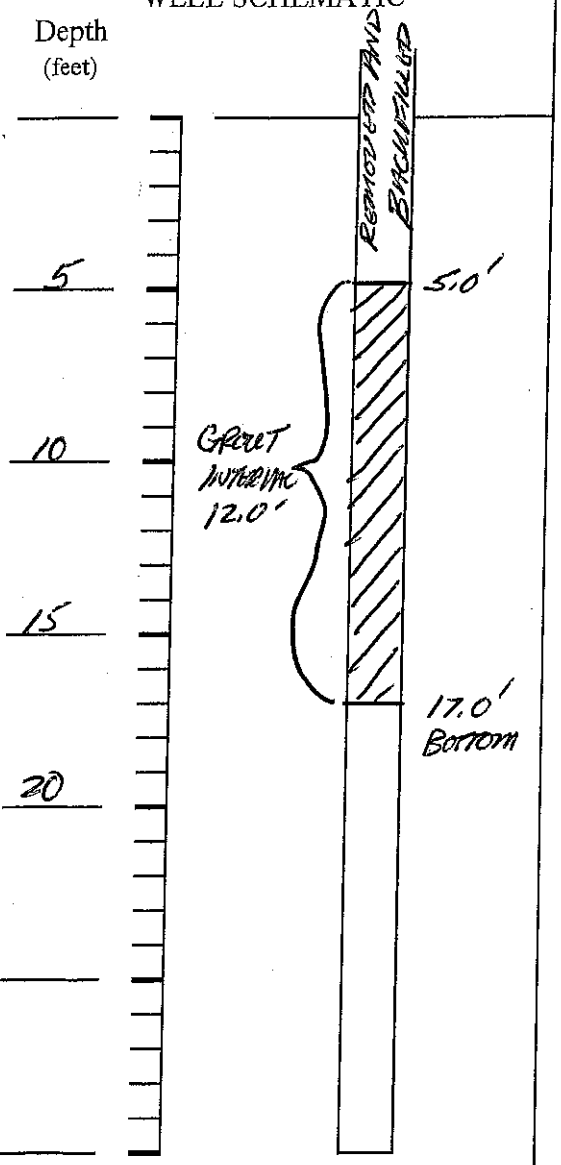
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: FA4-24
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-17'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	5.0

WELL SCHEMATIC*



COMMENTS: 1. GAUGED WELL - DTP 10.75, DTW 10.81
PROD THICKNESS 0.06' - REMOVED PROD BEFORE GROUTING
2. CUT OFF AND BACKFILLED.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

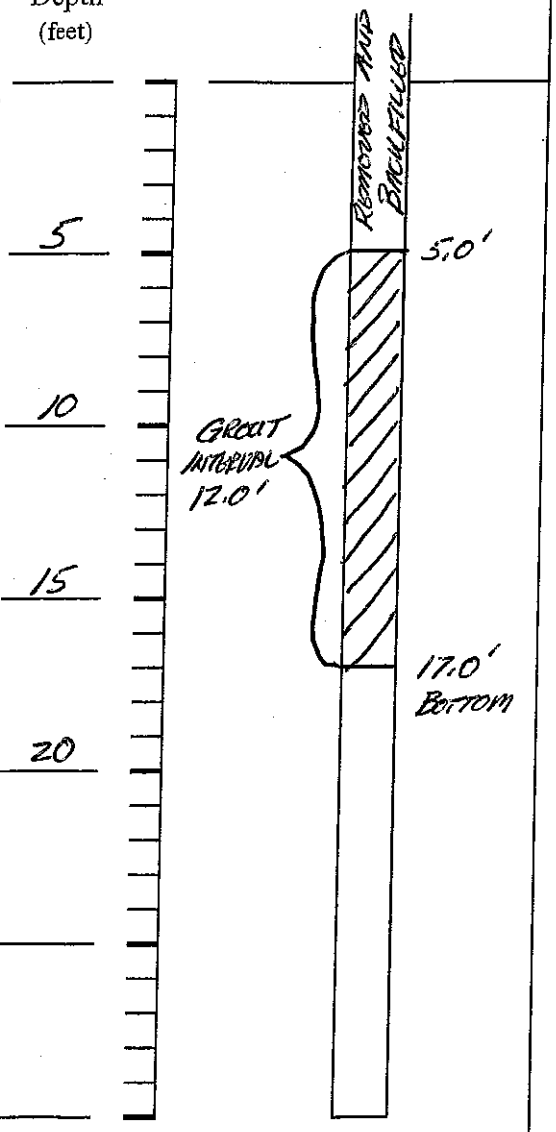
WELL DECOMMISSIONING RECORD

Site Name: Mobil North Harmon Yard	Well I.D.: FA4-25
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	5'-17'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I-PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10.0
Volume of grout used (gal.)	5.0

WELL SCHEMATIC*



COMMENTS:

1. GAUGED WELL - DTW 11.04' (FROM GRADE) NO PROD
2. CUT OFF AND BACKFILLED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

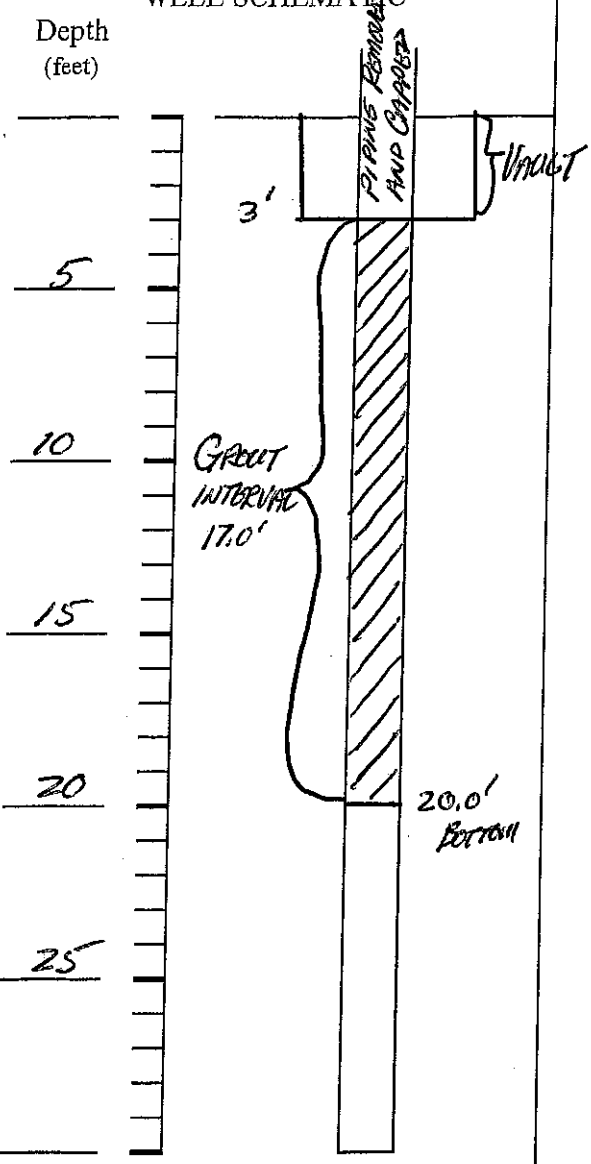
WELL DECOMMISSIONING RECORD

Site Name: Mohawk North Harmon Yard	Well I.D.: VE4-2
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3-20'
# of batches prepared	2.5
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	25
Volume of grout used (gal.)	23

WELL SCHEMATIC*



COMMENTS:

1. Gauged Well - DTW 5.15', NO PRODUCT
2. Cut off Piping (3') to well & Capped, Cut off Well at Vault and Grouted

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

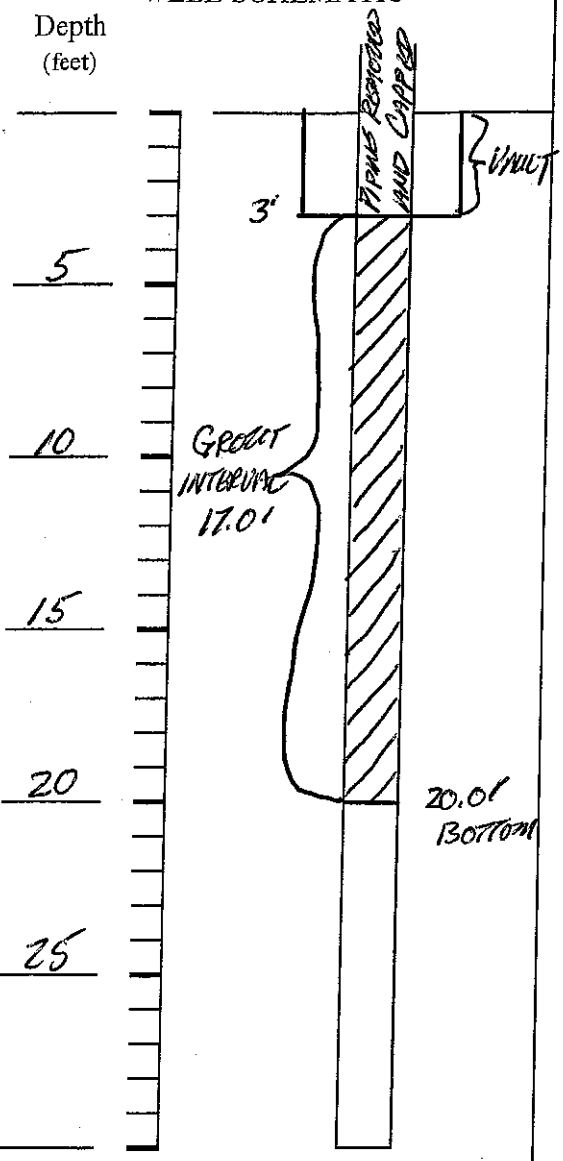
WELL DECOMMISSIONING RECORD

Site Name: Monro North Harmon Yard	Well I.D.: VE4-3
Site Location: Ceoton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3'-20'
# of batches prepared	2.5
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I - PORTLAND
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	25
Volume of grout used (gal.)	25

WELL SCHEMATIC*



COMMENTS:
1. GAUGED WELL - DTW 6.12', NO PRODUCT
2. CUT OFF PIPING (3") TO WELL AND CAPPED, CUT OFF WELL AT VAULT AND GROUTED

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

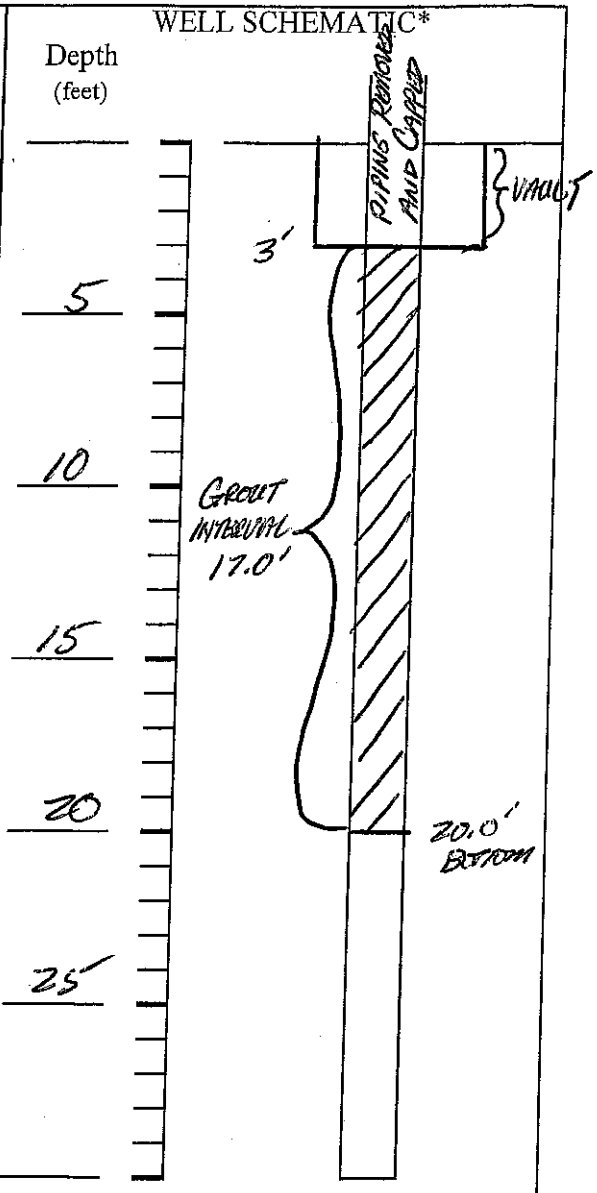
WELL DECOMMISSIONING RECORD

Site Name: Moore North Harmon Field	Well I.D.: VE4-4
Site Location: Croton, N.Y.	Driller:
Drilling Co.: Miller Environmental Group, Inc.	Inspector:
	Date: 7-11-11

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	3'-20'
# of batches prepared	3.0
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	30
Volume of grout used (gal.)	28

WELL SCHEMATIC*



COMMENTS:

1. Grouted Well - DTW 5.44', No Product.
2. Cut off Pipings (3") to Well & Capped, Cut off Well at Vault & Grouted

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative