REMEDIAL INVESTIGATION / FINAL ACT 2 REPORT
SITE-WIDE GROUNDWATER
FORMER U. S. STEEL FAIRLESS WORKS
KEYSTONE INDUSTRIAL PORT COMPLEX
FAIRLESS HILLS, PENNSYLVANIA

Prepared for:

U. S. Steel Real Estate Group
One Ben Fairless Drive
Fairless Hills, Pennsylvania 19030

Prepared by:

Langan Engineering & Environmental Services
30 South 17th Street, Suite 1300
Philadelphia, Pennsylvania 19103-4005

August 4, 2010
2634102

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

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Prepared by:

Langan Engineering & Environmental Services
30 South 17th Street, Suite 1300
Philadelphia, Pennsylvania 19103-4005

Juddson Herr, Assistant Project Manager

Colleen Costello, P.G., Senior Principal

P.G. License No. PG-003736-E

August 4, 2010
2634102

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EXECUTIVE SUMMARY

Langan Engineering and Environmental Services, Inc. (Langan) has prepared this Remedial Investigation/Final Act 2 Report for Site-Wide Groundwater on behalf of United States Steel Real Estate (U. S. Steel) for the Keystone Industrial Port Complex (KIPC) located in Fairless Hills, Bucks County, Pennsylvania (site). Site Remedial Investigation Activities completed to support this submittal were conducted in accordance with the January 17, 2008 Groundwater Sampling and Analysis Plan and May 21, 2009 Groundwater Sampling and Analysis Plan Addendum prepared by Langan as well as the final provisions of the July 17, 1997, Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2), revisions to Act 2 dated November 24, 2001, the Land Recycling Program Technical Guidance Manual (TGM) final draft dated December 1997, and revisions to the TGM dated June 8, 2002.

The objective of the Remedial Investigation activities was to evaluate environmental conditions associated with site-wide groundwater, to support this petition for a release of liability for the site, and to demonstrate attainment of Remediation Standards under Act 2. To achieve this objective, Site-Wide Groundwater sampling was completed, and an exposure evaluation and demonstration of attainment was completed for site-wide groundwater.

Two rounds of attainment groundwater sampling have been conducted at the site since October 2008. Based on site investigation activities, attainment of the site specific standard via pathway elimination for groundwater has been demonstrated for VOCs, SVOCs, and metals identified as RCRA Appendix IX analytes.

1.0 INTRODUCTION

Langan Engineering and Environmental Services, Inc. (Langan) has prepared this Remedial Investigation/Final Act 2 Report for Site-Wide Groundwater on behalf of United States Steel Real Estate (USS) for the Keystone Industrial Port Complex (KIPC) (Site) located in Fairless Hills, Bucks County, Pennsylvania (site). The KIPC occupies approximately 3,900 acres (site) and is located on the west bank of the Delaware River, approximately 20 miles northeast of Philadelphia, Pennsylvania (Figure 1). Former steel making operations included coke production, steel production, and finishing operations. U. S. Steel maintains a hot-dip galvanizing line on-site but the remainder of the steel making operations ceased between 1982 and 1991. The majority of the inactive structures were demolished between 1993 and 1995.

At the KIPC, there are several borrow pits (BP) that were used as a source of fill material for construction, and subsequently were filled. These BPs are Solid Waste Management Units and are governed by RCRA regulations. Several soil investigations under the Pennsylvania Act 2 Program have been completed at the site and have received Releases of Liability (ROL) for soil.

Site investigation activities to support this Remedial Investigation/Final Act 2 Report (RI/FR) were conducted in accordance with the final provisions of the July 17, 1997, Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2), revisions to Act 2 dated November 24, 2001, the Land Recycling Program Technical Guidance Manual (TGM) final draft dated December 1997, and revisions to the TGM dated June 8, 2002. The scope of work for the site characterization was determined based on a review of information provided by USS including an evaluation of the results of previous investigations as documented in Langan's January 17, 2008 Groundwater Sampling and Analysis Plan, and May 21, 2009 Groundwater Sampling and Analysis Plan Addendum. In addition, this RI/FR Report was developed based on communication and meetings with the Pennsylvania Department of Environmental Protection (PADEP) and the United State Environmental Protection Agency (USEPA) The following items were completed in response to USEPA comments:

- Langan reviewed historic Site-Wide groundwater and Site-Wide soil data for Trichlorofluoromethane, which was not detected in Site-Wide groundwater or Site-wide soils.
- Langan reviewed historic Site-Wide soils data against PADEP's Non-Residential used aquifer soil MSC's and the U.S. EPA Region III Risk-Based Concentrations (RBCs). None of the soil data indicated an ongoing source to groundwater from soils.
- Langan compared historic and current groundwater data to the PADEP used non-residential aquifer MSCs, even though the site is designated as a non-use aquifer (April 1999). There were no significant differences noted based on this comparison and all exceedances were carried forward in the PENTOXSD modeling.

These evaluations did not alter the sampling approach as documented in Langan's January 17, 2008 Groundwater Sampling and Analysis Plan, and May 21, 2009 Groundwater Sampling and Analysis Plan Addendum.

The RI activities were completed between October 2008 and June 2009. This RIR/FR was prepared to document attainment of the Pennsylvania Site Specific Standards and, to

substantiate a ROL for Site-Wide Groundwater under the Pennsylvania Land Recycling Program. The release of liability will pertain to Site-Wide Groundwater only; soil will be addressed on a parcel by parcel basis at a later date.

A Notice of Intent to Remediate (NIR) was prepared for the site and is provided in Appendix A. Voluntary Site characterization and reporting were conducted in accordance with the provisions of the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2, The Land Recycling Program, Act of May 19, 1995 PL 4 No. 1995-2), associated regulations (PA Code Title 25 Chapter 250, November 22, 1997 and amendments) and the Final Draft of the Land Recycling Program Technical Guidance Manual (June 8, 2002). Documentation related to the required public and municipal notifications needed to formally enter the Pennsylvania Act 2 Program are provided in Appendix A.

1.1 Objective

The objective of the RIR/ FR is to document remedial activities that support obtaining a Release of Liability (ROL) and an eventual Final Agency Determination for Site-Wide Groundwater in accordance with the Pennsylvania's One Cleanup Program and Memorandum of Agreement between the Pennsylvania Department of Environmental Protection (PADEP) and the United States Environmental Protection Agency Region 3 (USEPA).

1.2 SCOPE

The RI/FR activities focused on determining the extent to which Site-Wide Groundwater may have been adversely impacted from current and historic operations associated with the site. This determination was accomplished by comparing obtained sample analytical results to non use non-residential Act 2 MSCs.

The tasks completed during this investigation are as follows:

- Completed a detailed review of previously conducted investigations at the site;
- Evaluated previously collected analytical data in relation to current Act 2 standards;
- Inspected 49 monitoring wells to document integrity and usability as site-wide groundwater-sampling wells in October 2008;

- Review of site data to address ongoing discussions with the PADEP and the USEPA;
- Wrote a Groundwater Sampling and Analysis Plan, dated January 17, 2008 (Appendix B);
- Wrote a Groundwater Sampling and Analysis Plan Addendum, dated May 21, 2009 (Appendix B);
- Conducted a meeting with the PADEP on April 9, 2009 to discuss the reduced sampling strategy and rational for site closure.
- Inspected 28 monitoring wells to document integrity and usability as Site-Wide Groundwater sampling wells in June 2009;
- Collected two rounds of water level measurements from Site-wide monitoring on October 13, 2008 and June 17, 2009;
- Collected two attainment rounds of Site-Wide Groundwater samples from 49 wells in October 2008 and 28 well in June 2009. Laboratory analysis included VOCs, SVOCs, and metals identified as RCRA Appendix IX analytes;
- Measured field parameters including pH, dissolved oxygen, temperature, specific conductance, and oxidation-reduction potential (ORP) from each well sampled prior to purging, during purging and after sampling;
- Collected and analyzed quality assurance/quality control (QA/QC) samples during the October 2008 and June 2009 Site-Wide Groundwater sampling events;
- Submitted Site-Wide Groundwater samples to Test America Laboratories of Pittsburgh, Pennsylvania for chemical analyses;
- Coordinated with Test America Laboratories concerning analytical method numbers, instrument detection limits, holding times and sample delivery;
- Completed an evaluation of potential vapor intrusion issues at the site from groundwater;
- Completed PENTOXSD Modeling and an exposure assessment for Site-Wide Groundwater as well as adjacent Delaware River; and,
- Prepared this Remedial Investigation / Final Act 2 Report

This RIR/FR is organized into the following sections: Section 1, Introduction; Section 2, Site Description; Section 3, Geology and Hydrogeology, Section 4, Summary of Previous Sampling Results; Section 5, Site-Wide Groundwater Sensitive Receptor Evaluation; Section 6, Selection of Applicable Standards; Section 7, Remedial Investigation Activities - October 2008 and June 2009; Section 8, Quality Assurance/Quality Control; Section 9, Evaluation of Ecological Receptors; Section 10, Site Conceptual Model;

Section 11, Transport Modeling; Section 12, Inhalation Assessment, Section 13, Exposure Assessment; Section 14, Attainment; Section 15, Post Remedial Care Plan; Section 15, Signatures; and, References.

2.0 SITE DESCRIPTION

The following sections provide a description of the environmental setting and background regarding site conditions and land use.

2.1 Location, Background, and History

The former U. S. Steel Fairless Works is located on the west bank of the Delaware River, approximately 20 miles northeast of Philadelphia, Pennsylvania (Figure1). Biles Creek runs along the northern portion of the site. Construction of the former U. S. Steel Fairless Works started in 1950, operations commenced in 1952 and the entire property encompasses about 3,900-acres. Former steel making operations included coke production, steel production, and finishing operations. U. S. Steel maintains a hot-dip galvanizing line on-site but the remainder of the steel making operations ceased between 1982 and 1991. The majority of the inactive structures were demolished between 1993 and 1995. Figure 2 represents aerial coverage of the site conditions as of 2007 provided by U.S. Steel.

At the KIPC, there are several borrow pits (BP) that were used as a source of fill material for construction, and subsequently were filled. These BP's are Solid Waste Management Units and are governed by RCRA regulations. Several soil investigations under the Pennsylvania Act 2 Program have been completed at the site and have received Releases of Liability (ROL) for soils.

2.2 Regulatory History

USS entered into a "Formal Administrative Order On Consent" (U.S. EPA Docket Number: RCRA-III-065-CA) under Section 3008(h) of the Resource Conservation and Recovery Act as amended, 42 U.S. C. Section 6928(h) for corrective action. The effective date of the consent order was April 20, 1993. Site-Wide Groundwater has been evaluated in numerous reports prepared by USS, including:

- Description of Current Conditions U.S. Steel Fairless Works (July 1993, Revised March 1994);
- Technical Approach to the RCRA Facility Investigation (RFI)/Corrective Measures Study (CMS)dated February 1994;
- Phase I RFI Work Plan dated November 1994 (and revised January 1995);
- Phase I Interim Report dated March 1996 (and revised June and August 1996);
- Model Verification Report dated September 1996 (and revised November 1996);
- Phase I RFI dated September 1997 (and revised April 1998);
- Request for Non-Use Aquifer Determination dated January 1999; and,
- Non-use aquifer determination issued by PADEP on April 9, 1999.

USS focused their investigation activities on Site-Wide Groundwater conditions at the site within these reports. A Site-Wide Groundwater model was used to establish a perimeter monitoring network. In 1996, in association with the Phase I RFI, the perimeter monitoring wells (30 total) were sampled for RCRA Appendix IX hazardous constituents (except PCBs and pesticides). Based on the 1996 RFI monitoring results, further investigation of Site-Wide Groundwater quality in the confined aquifer was determined to be unnecessary; and, additional Site-Wide Groundwater monitoring in the water table aquifer was recommended due to sporadic, low level, exceedances of the screening criteria. In 2000, USS collected a second round of Site-Wide Groundwater samples from the perimeter monitoring wells. The results of the sampling event confirmed the results of the 1996 Phase I RFI. A non-use aquifer determination was granted for the facility by the PADEP in 1999 based on the lack of communication between the water table aquifer and the confined groundwater unit, the fact that there was no current or future use of the water table aquifer and the demonstrated lack of impact to the Delaware River from site-wide groundwater.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The following sections present an overview of site geology and hydrogeology. These data were used to evaluate groundwater data and to develop the Site Conceptual Model.

3.1 Geology

The site-specific geology can be divided into the following units: Lower Raritan Formation (Cretaceous); Upper Raritan Formation (Cretaceous); and Man-made Fill, Alluvial deposits and Pleistocene sands and gravels. The Lower Raritan Formation is comprised of the Farrington Sand, Lower Clay, and Sayreville Sand members. The Farrington Sand, located approximately 110 to 150 feet BMSL, forms the lowermost confined aquifer and is overlain by the Lower Clay. The Lower Clay, located approximately 80 to 120 feet BMSL, is the confining unit that separates the Farrington Sand from the Sayreville Sand. The Sayreville Sand, located approximately 50 to 80 feet BMSL, is the uppermost confined aquifer and is overlain by the Middle Clay member of the Upper Raritan Formation.

The Upper Raritan Formation is comprised of the Middle Clay, Old Bridge Sand, and Upper Clay members. The Middle Clay, located approximately 30 to 60 feet BMSL, is the confining unit that separates the Sayreville Sand member of the Lower Raritan Formation from the Old Bridge Sand. The Old Bridge Sand, located approximately 20 to 40 feet BMSL, is considered part of the water table aquifer and is overlain by the Upper Clay, Magothy Formation deposits, Trenton gravel and Holocene alluvium. The water table aquifer comprises all deposits above the Middle Clay confining unit.

Based on Langan's observations from other site investigation activities, the KIPC overburden is comprised of fill material overlying fine to coarse sand/gravel, silts and clays. The fill encountered varies in thickness from a few feet to at least 15 feet below ground surface (bgs). Fill materials generally include a heterogeneous mix of fine to coarse sand and gravel (black, brown, orange brown, and yellow), silt (brown, gray, red, black, and yellow), clay (red and gray), asphalt, slag, gravels, brick, and scraps of metal and wood fragments. Native soils are indicative of the Trenton Gravel Series and generally consist of fine to coarse gravel, sand, with some silt and minor amounts of clay. Bedrock has not been encountered during any of the RI activities completed by Langan; however, the 1997 RCRA Facility Investigation Report noted that the center of the KIPC is underlain by the Wissahickon Schist which is encountered about 50 to 140 feet bgs (cross section B-B' 1997 RCRA Report).

3.2 Hydrogeology

Site-Wide Groundwater occurs throughout the overburden unit at depths from about 6.5 feet to 20 feet below grade. Flow direction is generally to the south southeast towards the Delaware River. Referring to Figure 4, the average Site hydraulic gradient to the southeast is 0.00056 feet per foot and to the south is 0.00035 feet per foot. According to BCM Engineers, Inc. "Phase I RCRA Facility Investigation Final Report, dated September 19, 1997," the average hydraulic conductivity is 7.2 fee per day.

During RI activities, groundwater was not found to flow into Biles Creek (North of the Site) due to it's small size, shallow depth, and movement of Site-Wide Groundwater parallel to Biles Creek. Groundwater contour maps prepared for October 2008 and June 2009 are shown on Figures 3 and 4. Since April 1999, the Site has been designated a non-use aquifer by PADEP. A copy of the documentation that supports the approved non-use aquifer designation is provided in Appendix C.

4.0 SUMMARY OF PREVIOUS SITE-WIDE GROUNDWATER SAMPLING

4.1 Site-Wide Groundwater

Three rounds of Site-Wide Groundwater monitoring were conducted at the site between 1996 and 2000 by USS. The following briefly summarizes the results of these events.

<u>December 1996 Site-Wide Groundwater Sampling Event</u>:

- A total of 30 wells were sampled;
- 25 wells were analyzed for Metals and VOCs; and
- 5 wells were analyzed for Metals, SVOCs & VOC.

Results indicated sporadic low level detections but were below their respective non-residential groundwater non use aquifer MSC's.

<u>February 1997 Site-Wide Groundwater Sampling Event</u>:

- A total of 29 wells were sampled;
- 25 wells were sampled and analyzed for SVOCs; and
- 4 wells were samples for specific VOCs including for VOCs were analyzed for

(1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene, M-Dichlorobenzene, & 1,2-Dichlorobenzene).

Results indicated sporadic low level detections but were below their respective non-residential non use aquifer groundwater MSC's.

November 2000 Site-Wide Groundwater Sampling Event:

- 30 wells were sampled and analyzed for Metals, SVOCs & VOC.

Results indicated sporadic low level detections but were below their respective non-residential non use aquifer groundwater MSC's.

5.0 SITE-WIDE GROUNDWATER SENSITIVE RECEPTOR EVALUATION

Based on Langan's review of available information (Falls Township Municipal Offices and Pennsylvania Geologic Survey PAGWIS Database Version 3.0), 16 wells (monitoring wells/pumping wells) were identified on the Site. These wells are not used for potable purposes and are only used for groundwater monitoring. Currently, there are no withdrawals of groundwater for potable or non-potable purposes between the upgradient boundary of KIPC and the Delaware River. Since April 1999, the Site has been designated a non-use aquifer by PADEP. A copy of the documentation that supports the approved non-use aquifer designation is provided in Appendix C.

The only identified potential receptors for Site-Wide Groundwater include the Delaware River and potential vapor intrusion, both of which are discussed further in this report.

6.0 SELECTION OF APPLICABLE STANDARDS

The following presents the rationale and supporting information for the standards applied to the Site.

To evaluate the Site-Wide Groundwater analytical results, Langan compared the data to the non-use aquifer criteria because the site obtained a non-use aquifer designation from the PADEP in April of 1999. Non-use aquifer supporting documents and approvals are included as

Appendix C. If Site-Wide Groundwater compounds exceeded the statewide health groundwater MSC, then an exposure pathway evaluation was completed using the PADEP PENTOXSD model to verify that no concentrations of COCs detected in Site-Wide Groundwater would cause an unacceptable risk to the Delaware River. Langan also reviewed site data in relation to the PADEP volatilization from groundwater to indoor air recommended screening values in PADEP's January 24, 2004 Vapor Intrusion Guidance to evaluate the potential vapor intrusion pathway.

7.0 REMEDIAL INVESTIGATION ACTIVITIES- OCTOBER 2008 AND JUNE 2009

The following Remedial Investigation activities were completed from October 2008 through June 2009 in accordance with the January 17, 2008 Groundwater Sampling and Analysis Plan, and May 21, 2009 Groundwater Sampling and Analysis Plan Addendum prepared by Langan. A summary of all samples collected and their associated analytical parameters is included as Table 1.

7.1 Site-Wide Groundwater Sampling Procedures – October 2008 and June 2009

The condition of the monitoring well plugs, locks, covers and pads were observed and recorded to summarize the overall conditions of each well. A complete list of Site-Wide Groundwater elevations and observations made regarding well conditions at the time of the October 2008 and June 2009 Site-Wide Groundwater sampling events is included as Table 2. The Site-Wide Groundwater elevation contours for October 2008 and June 2009 are included as Figures 3 and 4.

Prior to sampling, the total depth of each well and depth to water within each well was measured using a Solinst oil/water interface probe electronic water level indicator. All wells were screened for DNAPL and LNAPL, none of the monitoring wells included in the sampling indicated the presence of NAPL. All water level measurements were recorded and utilized to calculate purge water volumes and Site-Wide Groundwater elevations.

Upon completion of water level measurements, virgin polyethylene tubing was slowly introduced into each well and set within the middle of the well screen in a manner to

minimize disturbance of water and sediments within the well. In order to stay consistent with previous sampling events, at least three volumes of water were then purged from each well utilizing a submersible pump at a purge rate generally not greater than one gallon per minute. In some instances, pumping rates were higher based on higher sustainable aquifer yields, although Site-Wide Groundwater drawdown within each well was consistently limited to less than 0.3 feet.

Field parameters including pH, temperature, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential (ORP) were measured and recorded prior to commencement of purging, after purging and after the sampling activities were completed. All equipment used for collecting field parameters was calibrated daily. Sampling was completed by slowly introducing a Teflon disposable bailer into the well and transferring the sample from the bailer to the laboratory provided sample jars with minimal disturbance. Site-Wide Groundwater samples were collected within 2 hours of completion of purging. These data are summarized on the well information summary, provided as Tables 3 through 4.

Groundwater samples were immediately transferred to a cooler and maintained at a constant temperature of 4° C, and then transported to Test America Laboratories of Pittsburg, Pennsylvania for analysis. A chain of custody was initiated in the field and accompanied the samples to document sample acquisition, possession and analysis. All purge water generated was contained in 275-gallon polyethylene tanks and emptied on Site at the waste water treatment plant (WWTP). Well information summaries for all wells sampled are included as Table 2.

All monitoring well samples, duplicate samples, and the rinseate blanks were analyzed for VOCs, SVOCs, and metals identified as RCRA Appendix IX analytes. All Site-Wide Groundwater samples analyzed for metals were filtered in the field using a 0.45 micron disposable filter. A laboratory-prepared trip blank, which accompanied the sample bottles, was also analyzed for VOCs. After sample collection, the samples were immediately transferred to a sample cooler, the internal atmosphere of which will be maintained at 4°C, and delivered to Test America of Pittsburg, Pennsylvania, a PADEP-certified laboratory.

7.2 Site-Wide Groundwater Sampling – October 2008 and June 2009

7.2.1 Site-Wide Groundwater Sampling – October 2008

In October 2008, Site-Wide Groundwater samples were collected from 49 site monitoring wells (24 perimeter monitoring wells, 11 monitoring wells identified in the 2002 BP-20 Post Closure Permit, and 14 monitoring wells located within the interior of the site, upgradient of the perimeter monitoring wells and between the AOCs/SWMUs and the Delaware River) to confirm the groundwater sampling results collected from the perimeter monitoring well network in 1996 and 2000. Specific groundwater sample locations and rational is documented on Table 1 of the January 17, 2008 Groundwater Sampling and Analysis Plan (Appendix B). All sampling activities were completed in accordance with the PADEP Groundwater Monitoring Guidance Manual dated December 1, 2001 and the Groundwater Sampling and Analysis Plan, dated January 17, 2008.

7.2.2 Site-Wide Groundwater Sampling – June 2009

In June 2009, Site-Wide Groundwater samples were collected from 28 site monitoring wells (22 perimeter monitoring wells and 4 monitoring wells located within the interior of the site, upgradient of the perimeter monitoring wells and between the AOCs/SWMUs and the Delaware River) to confirm baseline results obtained during the October 2008 Site-Wide groundwater sampling event. Specific groundwater sampling locations and sampling rational is documented on Table 1 of the May 21, 2009 Groundwater Sampling and Analysis Plan Addendum (Appendix B). All sampling activities were completed in accordance with the PADEP Groundwater Monitoring Guidance Manual dated December 1, 2001 and the Groundwater Sampling and Analysis Plan Addendum dated May 21, 2009.

7.3 Site-Wide Groundwater Sampling Results – October 2008 and June 2009

7.3.1 October 2008 Site-Wide Groundwater Sampling Results

Referring to Figure 5, the results of the October 2008 of Site-Wide Groundwater sampling activities identified benzo(b)fluoranthene, benzo(gh,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene exceeding PADEP non-

residential non-use aquifer groundwater MSCs in at least one monitoring well location as summarized in Appendix D. No compounds were detected in either the rinseate or trip blanks. A complete summary of the October 2008 Site-Wide Groundwater analytical results is presented on Table 5. The Site-Wide Groundwater exceedances are presented on Figure 5. The complete laboratory data package for the October 2008 Site-Wide Groundwater sampling episode is included as Appendix E.

7.3.2 June 2009 Site-Wide Groundwater Sampling Results

Referring to Figure 5, the results of the June 2009 Site-Wide Groundwater sampling activities identified benzo(b)fluoranthene, benzo(gh,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene exceeding PADEP non-residential non-use aquifer groundwater MSCs in at least one monitoring well location as summarized in Appendix D. No other compounds were identified at concentrations exceeding the PADEP non-residential non-use aquifer MSCs at any of the monitoring wells sampled. No compounds were detected in either the rinseate or trip blanks. A complete summary of the June 2009 Site-Wide Groundwater analytical results is presented on Table 6. The Site-Wide Groundwater exceedances are presented on Figure 5. The complete laboratory data package for the June 2009 Site-Wide Groundwater sampling episode is included as Appendix E.

8.0 QUALITY ASSURANCE/QUALITY CONTROL

The following sections outline the field and laboratory quality assurance/quality control measures that were incorporated into the Remedial Investigation activities. The complete laboratory analytical data packages for the Site-Wide Groundwater sampling program are included in Appendix E.

8.1 Equipment Decontamination

All sampling equipment was decontaminated in accordance with the January 17, 2008 Groundwater Sampling and Analysis Plan to prevent cross-contamination. Prior to sampling, the equipment was decontaminated with successive rinses of detergent and

potable water and distilled deionized water. All downhole equipment used in well purging, such as submersible pumps, was cleaned with an external non-phosphate detergent wash and tap water rinse. This cleaning process was followed by a flush of potable water through the pump housing and hose.

8.2 Equipment Calibration

For Site-Wide Groundwater samples, a Horiba U-22 water quality meter was used to record temperature, pH, conductivity, dissolved oxygen, EH, and turbidity parameters in the field. Between each sample location, this instrument was decontaminated. Prior to its use, the calibration was checked by measuring the parameters using manufacturer-provided buffer solutions, deionized water and zero oxygen solution.

8.3 Trip Blanks and Rinseate Blanks

Field quality assurance/quality control for Site-Wide Groundwater sampling was documented through the collection of trip and rinseate blanks. The trip blanks consisted of analyte-free water prepared by the analytical laboratory, and accompanied Site-Wide Groundwater samples during shipment. The rinseate blanks were prepared in the field using a decontaminated bailer and laboratory provided distilled/deionized water. The trip blanks were analyzed for VOCs. The rinseate blank samples were analyzed for the same analytical parameters as the collected samples. Only a select few compounds were detected in the blanks, but they were below the residential and non-residential groundwater MSC's. Results are presented on Tables 5 and 6.

8.4 Sample Preservation

Samples were preserved, where necessary, with the addition of chemical preservatives, and by cooling the samples at 4°C before and during shipment to the laboratory. Chemical additives necessary for sample preservation were added to the sample containers by the analytical laboratory prior to releasing them to the Langan sampling personnel.

8.5 Laboratory Quality Assurance/Quality Control

The laboratory performed QA/QC analyses, including matrix spikes and matrix spike duplicates, surrogate spikes, method blanks and QA/QC checks such as GC/MS instrument tuning and mass calibration, as appropriate. Laboratory QA/QC summaries

were completed by the laboratory and delivered in the attachments to each analytical report.

Upon receipt of the analytical results, Langan reviewed the laboratory procedures for compliance with quality assurance and quality control (QA/QC) protocols. No QA/QC issues were identified with the analytical data.

8.6 Documentation

Chain-of-custody forms were maintained throughout the sampling program to document sample acquisition, possession and analysis. Chain-of-custody documentation accompanied all samples from the field to the laboratory. Each sample was assigned a unique number that was recorded on permanent field sheet.

9.0 EVALUATION OF ECOLOGICAL RECEPTORS

All sites within the Act 2 process must be screened for potential impacts to ecological receptors. The ecological screening procedure is a multi-step evaluation procedure to determine whether or not site media have the potential to cause ecological impacts. Langan conducted the Ecological Screening Process in accordance with Section 250.311 of the Land Recycling Act.

Langan conducted an online search of the Pennsylvania Natural Diversity Index (PNDI) database to determine whether threatened and endangered species, or their habitat, potentially exist on the site. The search receipts, which are included in Appendix F, indicate that species under the jurisdiction of the Pennsylvania Department of Conservation and Natural Resources (DCNR), Pennsylvania Fish and Boat Commission (PFBC), and the U.S. Fish and Wildlife Service (USFWS) could potentially exist on or adjacent to the site. Because the site is largely developed and has been in heavy industrial use for more than 50 years, suitable habitat for threatened and endangered species is limited. Studies have been conducted at the future American Biofuels I 71-acre parcel, AE Polysilicon 30-acre parcel, Gamesa Expansion 73.86-acre parcel, Kinder Morgan Fertilizer Dome Lease Area 2.7-acre Parcel, and Samax 14.2-acre parcel within the Site, which results confirmed the absence of such species.

The current and planned future use of the property is industrial and it is situated within an industrial park. Given the use of the site and physical constraints that hinder the establishment of any significant habitat, the depth to groundwater is more then five feet everywhere at the site and the PENTOXSD modeling did not identify any Chapter 16 surface water exceedances, there is no obvious completed pathway of ecological exposure.

10.0 TRANSPORT MODELING

10.1 PENTOXSD

To evaluate the potential contribution of dissolved phase Site constituents to the bordering Delaware River, an allowable concentration of each groundwater constituent (a concentration that would not cause surface water concentrations to exceed PA Chapter 16 surface water quality standards) was calculated using the mass-balance water quality model created by the Pennsylvania Department of Environmental Protection (PADEP) called PA Single Discharge Wasteload Allocation Program for Toxics (PENTOXSD) Version 2.0. This allowable groundwater concentration is called a wasteload allocation (WLA).

10.2 PENTOXSD Input Parameters

Input parameters for the PENTOXSD model includes groundwater flux into surface water, surface water flux at the point of groundwater discharge and dimensions of the receiving surface water body. A summary of model input parameters and their sources can be found in Appendix G.

A conservative approach was taken to selecting parameters describing the dimensions and hydrodynamics of the Delaware River as well as the aquifer and Site-Wide Groundwater flow from the site. For example instead of using the 7-day 10-year low flow ($Q_{7\text{-}10}$ is a statistical estimate of the lowest average flow that would be experienced during a consecutive 7-day period with an average recurrence interval of ten years) for the Delaware River at Trenton, the lowest daily mean flow between 1913 and 2006 was used instead. Similarly, the lowest daily mean flow recorded between 1913 and 2006 of the Delaware River at Trenton was used instead of the harmonic mean flow. The depth of the Delaware River at Trenton was based on NOAA depth sounding maps of

the Delaware River at mean lower low water (the average of the lower low water height of each tidal day) and did not include the presence of the deep dredge channel.

For calculating Site-Wide Groundwater discharge from the water table aquifer the geometric mean hydraulic conductivity value of 7.2 ft/d, which was derived from the short-term pumping tests performed by West Chester Engineers in 1991, was used. The steepest hydraulic gradient observed during the October 2008 gauging along the Delaware River shoreline (0.0011) was also used in the groundwater flux calculation. The cross-sectional area of water table aquifer discharging to the Delaware River was assumed to have the dimension of 20 ft (maximum saturated thickness based on geologic cross-section C-C' from BCM) and a source width of 1,000 ft.

The application of PENTOXSD to tidally active regions of unconfined aquifers is not described in the PA Act 2 Guidance. The presence of extensive tidal flats along river shorelines can function as significant areas of groundwater to surface water discharge that may not result in dilution as calculated by PENTOXSD. Since Trenton represents the up-stream limit of tidal influence in the Delaware River and the lack of tidal flats along the site shoreline PENTOXSD is applicable to evaluate groundwater discharge to surface water.

Biles Creek was not included in the PENTOXSD analysis due to its small size, shallow depth, and the movement of Site-Wide Groundwater parallel to Biles Creek (towards the Delaware River) rather than towards it.

10.3 PENTOXSD Results

As a conservative measure and in response to U.S. EPA comments, Langan completed PENTOXSD modeling for 11 organic compounds and four metals that were detected above the non-residential, used-aquifer groundwater as well non-residential, non-used aquifer screening criterions during October 2008 and June 2009 (Appendix G).

Calculated wasteload criteria are derived for chronic fish criterion (CFC), acute fish criterion (AFC), target human health (THH), and cancer risk level (CRL). Calculated WLAs for all compounds included in this analysis are at least an order of magnitude greater than detected concentration in site-wide groundwater. This means that Site-Wide Groundwater impacted to the extent observed in October 2008 and June 2009

will not exceed PA Chapter 16 surface water quality standards if it were to discharge to the Delaware River.

11.0 INHALATION ASSESSMENT

Langan reviewed the PADEP volatilization from groundwater to indoor air recommended screening values in PADEP's January 24, 2004 Vapor Intrusion Guidance and we found that all concentrations in Site-Wide Groundwater were below the non-residential groundwater screening values. Because the Site-Wide Groundwater results were below these PADEP screening values, there is negligible risk for vapor intrusion threats at the site associated with these compounds.

12.0 EXPOSURE ASSESSMENT

12.1 Site-Wide Groundwater

Benzo(b)fluoranthene, benzo(gh,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene were detected at concentrations exceeding PADEP non-residential non-use aquifer groundwater MSCs in Site-Wide Groundwater samples collected during the two most recent rounds (October 2008 and June 2009) of Site-Wide Groundwater sampling. Based on the transport modeling calculations (PENTOXSD), no compounds were predicted to enter the surface water receptor at concentrations greater than the PA Chapter 16 surface water quality standards. As such, risk from the Site-Wide Groundwater to surface water pathway is negligible.

12.2 Inhalation of Vapor Particles

As discussed in Section 10, the site has met the requirements for no further IAQ (indoor Air Quality) activity for site-wide groundwater. Therefore, the inhalation exposure pathway is not complete.

13.0 SITE CONCEPTUAL MODEL

A site conceptual model (SCM) was developed for the site based on an evaluation of data collected during Remedial Investigation activities. This SCM has been developed to assist in

transport analysis, exposure evaluation and demonstration of attainment for the site. In accordance with the Act 2 Technical Manual, the site conceptual model includes geologic, hydrogeologic, hydraulic and chemical data.

- The overburden is comprised of fill material overlying fine to coarse sand/gravel, silts and clays. The fill encountered varies in thickness from a few feet to at least 15 feet bgs. Fill materials generally include a heterogeneous mix of fine to coarse sand and gravel (black, brown, orange brown, and yellow), silt (brown, gray, red, black, and yellow), clay (red and gray), asphalt, slag, gravels, brick, and scraps of metal and wood fragments. Native soils are indicative of the Trenton Gravel Series and generally consist of fine to coarse gravel, sand, with some silt and minor amounts of clay;
- Site-Wide Groundwater occurs throughout the overburden unit at depths from about 6.5 feet to 20 feet below grade. Flow direction is generally to the south southeast towards Delaware River. Referring to Figure 4, the average Site hydraulic gradient to the southeast is 0.00056 feet per foot and to the south is 0.00035 feet per foot. According to BCM Engineers, Inc. "Phase I RCRA Facility Investigation Final Report, dated September 19, 1997," the average hydraulic conductivity is 7.2 fee per day
- Site-Wide Groundwater was monitored through a network of 49 (October 2008) and 28 (June 2009) on-Site monitoring wells, each screened within the designated non-use aquifer. These wells are located in the correct locations and are constructed appropriately to monitor Site-Wide Groundwater within the non-use aquifer effectively;
- The PADEP non-residential non-use aquifer statewide MSCs for Site-Wide Groundwater has been met for all VOCs, SVOCs, and metals identified as RCRA Appendix IX analytes with the MSC exception of benzo(b)fluoranthene, benzo(gh,i)perylene, benzo(k)fluoranthene, chrysene, and dibenzo(a,h)anthracene.
- Transport modeling (PENTOXSD) was completed for 11 organic compounds and four metals that were detected above the non-residential, used-aquifer groundwater as well non-residential, non-used aquifer screening criterions during October 2008 and June 2009 (Appendix G) to evaluate the potential contribution of dissolved phase COC's to the Delaware River. Results indicated that Site-Wide Groundwater will not exceed PA Chapter 16 surface water quality standards.
- A detailed evaluation of the inhalation exposure pathway was completed as part of the Remedial Investigation activities, results of this investigation determined that no further IAQ assessment is required; and,
- No sensitive receptors related to human health and the environment were identified for the Site.

14.0 ATTAINMENT

Three rounds of Site-Wide groundwater monitoring were completed at the Site between 1996 and 2000. Two rounds of Site-Wide attainment groundwater monitoring were conducted at the site between October 2008 and June 2009. Samples were analyzed for VOC, SVOCs, and metals identified as RCRA Appendix IX analytes during the attainment sampling. The PADEP non-residential non-use aquifer statewide MSCs for Site-Wide Groundwater has been met for all VOCs, SVOCs, and metals identified as RCRA Appendix IX analytes with the exception of benzo(b)fluoranthene, benzo(gh,i)perylene, benzo(k)fluoranthene, chrysene, and dibenzo(a,h)anthracene. Based on historic site activities, historic environmental investigations, recent site investigation activities, and results of the PENTOXSD model demonstrating compliance with Chapter 16 Surface Water Quality Standards, attainment of the site-specific standard (via pathway elimination) has been demonstrated for all VOC, SVOCs, and metals identified as RCRA Appendix IX analytes.

The site is part of an industrial park and only non-residential uses of the property are permitted for the future. By Environmental Covenant, the uses of the Site-Wide potable groundwater will be prohibited and the site will be restricted to non-residential use. A copy of the Environmental Covenant is included in Appendix H. In addition, a notice will be recorded in the land records of Bucks County that discloses the types of hazardous substances present on the site.

15.0 POST REMEDIAL CARE PLAN

Based on the results of investigation activities completed for the site and in accordance with Pennsylvania Code Chapter 250, Section 204 (g), a post remedial care plan is not required for the site.

The U. S. Steel site has been designated as a non-use aquifer since April 1999. Currently, there are no withdrawals of Site-Wide Groundwater for potable or non-potable purposes between the upgradient boundary of U. S. Steel site and the Delaware River. Furthermore, the use of on-site groundwater is also restricted and all present and future use of Site-Wide Groundwater from any source on the site shall be prohibited except for purposes of monitoring Site-Wide Groundwater quality.

Consistent with Amended Title 27-Uniform Environmental Covenants, the uses of the subject property will be restricted to non-residential purposes and prohibit potable water use (Appendix H).

16.0 SIGNATURES

An Act 2 Release of Liability is hereby requested on behalf of U. S. Steel by the following representative:

Ms. Kathleen Mayher
Property Owner
U. S. Steel Corporation
600 Grant Street, Room 2068
Pittsburgh, PA 15219
(412) 433-6315
KMMayher@uss.com

Signature: ----------Date: 8/03/10----------

17.0 REFERENCES

Description of Current Conditions, U.S. Steel Fairless Works, BCM Engineers, Inc., July 1993 (Revised March 1994);

Phase I RCRA Facility Investigation Final Report", by BCM Engineers, dated September 1997;

Final Draft of the Land Recycling Program Technical Guidance Manual, Pennsylvania Department of Environmental Protection, June 8, 2002; and

Soil Survey of Bucks and Philadelphia Counties, Pennsylvania: U.S. Department Of Agriculture, Map 73.Thompkins, Edward A., July 1975.

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TABLES

Table 1
Summary of Sampling Locations and Analytical Parameters
U.S. Steel Fairless Works
Fairless Hills, Pennsylvania

Proposed Sample Location	Screened Water Bearing Unit	October 2008 Sampling Rationale	June 2009 Sampling Rationale
BP-20 Wells[1]			
MW5-21-20	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-22-32	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-23-42	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-25-27	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-26-52	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-27-17	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-28-31	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-29-49	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-31-21	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-32-31	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
MW5-33-41	Water Table Zone Monitoring Well	Characterize groundwater in the vicinity of BP-20	-
Perimeter Monitoring Wells[2]			
MW5-41-19	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW7-04-26	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW7-05-28	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW6-05-28	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW6-02-27	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
*** MW6-29-73	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	-
MW6-06-24	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW6-12-42	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW6-20-37	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW4-14-36	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW4-10-23	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW4-30-63	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW4-02-24	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW2-03-33	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW2-01-22	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW1-15-29	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW1-27-19	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	-
MW1-28-74	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW1-26-27	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW1-12-29	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
*** MW1-25-22	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	-
MW1-24-23	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	-
MW1-23-47	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW4-11-33	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network and Metals detected during the October 2008 groundwater sampling event.
MW3-02-27	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW5-18-26	Water Table Zone Monitoring Well	Evaluate trends in the original perimeter monitoring well	Evaluate groundwater trends in the original perimeter monitoring well network.
Secondary Monitoring Network[3]			
MW1-02-31	Water Table Zone Monitoring Well	Evaluate conditions upgradient of perimeter monitoring well MW1-23-47 and downgradient of BP-3	Evaluate groundwater trends upgradient of perimeter monitoring well MW1-23-47, downgradient of BP-3, and SVOCs detected during the October 2008 groundwater sampling event.
MW1-10-32	Water Table Zone Monitoring Well	Evaluate conditions upgradient of Perimeter Monitoring Well MW1-27-19 and Upgradient of BP-35, BP-35A, BP-35B, and BP-35C.	-
*** MW3-04-30	Water Table Zone Monitoring Well	Evaluate groundwater conditions upgradient of BP-9 and 10, immediately downgradient of an area where soil was formerly sampled.	-
MW3-12-31	Water Table Zone Monitoring Well	Evaluate groundwater conditions upgradient of BP-2 and downgradient of BP-4, immediately upgradient of an area where soil was formerly sampled.	Evaluate groundwater trends upgradient of BP-2, downgradient of BP-4, and SVOCs detected during the October 2008 groundwater sampling event.
*** MW3-22-28	Water Table Zone Monitoring Well	Evaluate conditions upgradient of BP-13 and BP-8.	-
MW3-29-29	Water Table Zone Monitoring Well	Evaluate conditions along the perimeter of the Site, downgradient of BP-8 and BP-13.	Evaluate groundwater trends in the interior of the Site, downgradient of BP-8 and BP-13.
MW3-34-28	Water Table Zone Monitoring Well	Evaluate conditions downgradient of BP-4 and perimeter monitoring well MW3-02-27	-
MW3-41-29	Water Table Zone Monitoring Well	Evaluate conditions in the interior, downgradient of BP-2 and BP-4 and upgradient of BP-3	-
*** MW3-44-14	Water Table Zone Monitoring Well	Evaluate NAPL observed during Environmental Investigation of Proposed Puralube Lease in 1995 and evaluate conditions downgradient of BP-8 and BP-9.	-
MW4-33-25	Water Table Zone Monitoring Well	Confirm BTEX Compounds Detected During Environmental Investigation of Bar Mill Warehouse and Office in 1992 and Evaluate Conditions within the Interior of Southeast Quadrant, upgradient of BP-NT-4 and the Slag Disposal Area.	Evaluate groundwater trends upgradient of perimeter monitoring well MW4-30-63 and Metals detected during the October 2008 groundwater sampling event.
MW5-07-24	Water Table Zone Monitoring Well	Evaluate conditions downgradient of Perimeter Monitoring Well MW5-18-26 and BP-17.	Evaluate groundwater trends downgradient of perimeter monitoring well MW5-18-26, BP-17, and VOCs detected during the October 2008 groundwater sampling event.
MW5-11-27	Water Table Zone Monitoring Well	Evaluate groundwater conditions upgradient of BP-23, 24, and 25, in an area where soil was formerly sampled.	-
MW5-12-27	Water Table Zone Monitoring Well	Evaluate conditions in the interior, upgradient of perimeter monitoring wells MW7-05-28 and MW7-04-26 and downgradient of BP-17 and BP-32.	-
MW6-04-29	Water Table Zone Monitoring Well	Confirm VOCs detected in 2000 in the Northeast Quadrant of the Site	-
MW6-08-28	Water Table Zone Monitoring Well	Confirm VOCs detected in 2000 in the Northeast Quadrant of the Site	Evaluate groundwater trends sidegradient of perimeter monitoring well MW6-02-27.
MW6-26-20	Water Table Zone Monitoring Well	Evaluate conditions in the interior of the northeast quadrant, upgradient of Perimeter Monitoring Wells MW6-05-28, MW6-29-73 and MW6-02-27	-
MW7-09-17	Water Table Zone Monitoring Well	Evaluate conditions in the interior, upgradient of perimeter monitoring wells MW7-05-28 and MW7-04-26 and downgradient of BP-21, BP-31, and BP-31A.	-

1 - Identified in the BP-20 Post-Closure Monitoring Permit
2 - Identified in the 1996 Groundwater Model Verification Report. Based upon inspection in July 2007, monitoring well MW2-4-77 was destroyed and, therefore, can not be sampled.
In addition, perimeter monitoring wells screened in the confined water bearing unit, including MW1-22-173, MW4-15-119, and MW4-37-29, are not included in the proposed sampling event.
3 - Located in Areas of documented impacts and/or upgradient of perimeter wells and between SWMUs/AOCs and the Delaware River
*** Monitoring well damaged and not sampling during the October 2008 groundwater sampling episode.

Table 2
Summary of Groundwater Elevations October 2008 and June 2009
U.S. Steel Fairless Works
Fairless Hills, PA

Well ID	Well Diameter (in)	PID	Depth to Water October 2008	Depth to Water June 2009	Top of Casing Elevation	Groundwater Elevation Oct 08	Groundwater Elevation June 09	Depth To Product
MW1-02-31	2.00	0	19.49	18.42	22.4	**2.91**	**3.98**	No Product
MW1-10-32	2.00	0	18.57	-	22.53	**3.96**	**-**	No Product
MW1-12-29	4.00	0	17.03	14.61	18.59	**1.56**	**3.98**	No Product
MW1-15-29	4.00	0	18.31	17.07	20.47	**2.16**	**3.40**	No Product
MW1-23-47	4.00	0	14.45	13	16.35	**1.9**	**3.35**	No Product
MW1-24-23	4.00	0	14.5	-	16.25	**1.75**	**-**	No Product
MW1-25-22	4.00	0	damaged	-	17.11	**-**	**-**	No Product
MW1-27-19	4.00	0	13.6	-	18.74	**5.14**	**-**	No Product
MW1-26-27	4.00	0	18.91	16.82	21.34	**2.43**	**4.52**	No Product
MW1-28-74	4.00	0	17.52	13.9	18.82	**1.3**	**4.92**	No Product
MW2-01-22	2.00	0	18.69	16.58	21.64	**2.95**	**5.06**	No Product
MW2-03-33	2.00	0	19.65	18.58	22.45	**2.8**	**3.87**	No Product
MW3-02-27	2.00	0	15.59	14.9	21.39	**5.8**	**6.49**	No Product
MW3-04-30	2.00	0	damaged	-	22.24	**-**	**-**	No Product
MW3-12-31	2.00	0	17.81	16.98	22.03	**4.22**	**5.05**	No Product
MW3-22-28	2.00	0	damaged	-	NA	**0**	**-**	No Product
MW3-29-29	2.00	0	14.54	13.8	19.31	**4.77**	**5.51**	No Product
MW3-34-28	2.00	0	16.06	-	21.64	**5.58**	**-**	No Product
MW3-41-29	2.00	0	18.59	-	22.71	**4.12**	**-**	No Product
MW3-44-14	4.00	0	damaged	-	NA	**0**	**-**	No Product
MW4-02-24	2.00	0	13.25	13.29	17.49	**4.24**	**4.20**	No Product
MW4-10-23	4.00	0	10.2	8.95	12.79	**2.59**	**3.84**	No Product
MW4-11-33	2.00	0	20.68	19.73	23.2	**2.52**	**3.47**	No Product
MW4-14-36	2.00	0	12.9	11.9	15.06	**2.16**	**3.16**	No Product
MW4-30-63	10.00	0	19.26	6.78	9.95	**9.31**	**3.17**	No Product

Table 2
Summary of Groundwater Elevations October 2008 and June 2009
U.S. Steel Fairless Works
Fairless Hills, PA

Well ID	Well Diameter (in)	PID	Depth to Water October 2008	Depth to Water June 2009	Top of Casing Elevation	Groundwater Elevation Oct 08	Groundwater Elevation June 09	Depth To Product
MW4-33-25	2.00	0	19.54	18.74	23.12	**-3.58**	**4.38**	No Product
MW5-07-24	2.00	0	16.11	15.13	22.75	**6.64**	**7.62**	No Product
MW5-11-27	2.00	0	18.02	-	22.36	**4.34**	**-**	No Product
MW5-12-27	2.00	0	15.83	-	21.47	**5.64**	**-**	No Product
MW5-18-26	2.00	0	16.54	15.55	22.63	**6.09**	**7.08**	No Product
MW5-21-20	2.00	0	14.09	-	21.93	**7.84**	**-**	No Product
MW5-22-32	2.00	0	14.11	-	21.12	**7.01**	**-**	No Product
MW5-23-42	2.00	0	14.59	-	22.42	**7.83**	**-**	No Product
MW5-25-27	2.00	0	14.23	-	21.8	**7.57**	**-**	No Product
MW5-26-52	2.00	0	12.12	-	21.85	**9.73**	**-**	No Product
MW5-27-17	2.00	0	12.6	-	18.87	**6.27**	**-**	No Product
MW5-28-31	2.00	0	12.99	-	18.54	**5.55**	**-**	No Product
MW5-29-49	2.00	0	14.62	-	19.77	**5.15**	**-**	No Product
MW5-31-21	2.00	0	14.8	-	22.43	**7.63**	**-**	No Product
MW5-32-31	2.00	20.0	14.51	-	22.14	**7.63**	**-**	No Product
MW5-33-41	2.00	32.9	14.48	-	22.11	**7.63**	**-**	No Product
MW5-41-19	4.00	0	10.63	9.87	20.12	**9.49**	**10.25**	No Product
MW6-02-27	2.00	0	13.27	11.93	15.16	**1.89**	**3.23**	No Product
MW6-04-29	2.00	0	22.08	-	23.16	**1.08**	**-**	No Product
MW6-05-28	2.00	0	19.37	18.41	21.95	**2.58**	**3.54**	No Product
MW6-06-24	2.00	0	16.22	15.09	18.29	**2.07**	**3.20**	No Product
MW6-08-28	2.00	0	12.98	11.64	14.98	**2**	**3.34**	No Product
MW6-12-42	2.00	0	17.45	16.39	19.65	**2.2**	**3.26**	No Product
MW6-20-37	2.00	0	15.2	14.17	17.31	**2.11**	**3.14**	No Product
MW6-26-20	2.00	0	9.58	-	21.67	**12.09**	**-**	No Product
MW6-29-73	2.00	0	damaged	-	18.44	**0**	**-**	No Product
MW7-04-26	2.00	0	18.63	17.69	22.43	**3.8**	**4.74**	No Product
MW7-05-28	2.00	0	18.08	17.19	22.75	**4.67**	**5.56**	No Product
MW7-09-17	2.00	0	13.33	-	18.83	**5.5**	**-**	No Product

Table 3
Monitoring Well Information Summary -
October 2008
Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	MW1-02-31	MW1-10-32	MW1-12-29	MW1-15-29	MW1-23-47	MW1-24-23	MW1-26-27	MW1-27-19	MW1-28-74	MW2-01-22
Date	10/17/2008	10/16/2008	10/17/2008	10/16/2008	10/15/2008	10/15/2008	10/16/2008	10/20/2008	10/15/2008	10/16/2008
Temperature (Deg. F)	55	75	70	70	75	75	70	55	75	75
Weather Conditions	SUNNY	OVERCAST	SUNNY	OVERCAST	SUNNY	SUNNY	OVERCAST	CLEAR	SUNNY	OVERCAST
WELL INFORMATION										
Well Diameter (inches)	2	2	4	4	4	4	4	4	4	2
Sample Site Code	MW1-02-31	MW1-10-30	MW1-12-29	MW1-15-29	MW1-23-47	MW1-24-23	MW1-26-27	MW1-27-19	MW1-28-74	MW2-1-22
Top of inner casing elevation	22.4	22.53	18.59	20.47	16.35	16.25	21.34	18.74	18.82	21.64
Depth to Water (ft.-TIC)	19.49	18.57	17.03	18.31	14.45	14.50	18.91	13.60	17.52	18.69
Groundwater Elevation	2.91	3.96	1.56	2.16	1.9	1.75	2.43	5.14	1.3	2.95
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	27 to 31	n/a	n/a	n/a	27 to 47	8 to 23	12 to 32	4 to 19	54 to 74	n/a
Total Depth of Well (ft.-TIC)	31.50	31.45	27.40	31.40	49.39	23.10	28.55	21.42	75.55	21.90
PRE PURGE DATA										
Time Start	9:30	11:34	9:35	13:40	9:30	11:22	15:07	9:43	14:05	15:50
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	5.87	6.30	20.31	25.64	68.45	16.85	18.88	15.32	113.68	1.57
pH (std. units)	7.85	6.18	7.32	6.32	6.79	7.17	6.23	12.04	8.03	11.09
Specific Conductance (µS/cm)	1.86	428	600	509	2964	718	407	1.66	507	0.999
Dissolved Oxygen (mg/L)	3.86	3.66	3.75	2.42	2.88	6.83	0.86	2.68	7.04	5.20
Oxidation Reduction Potential (mV)	77	115.3	32	-170.4	47.4	103	-40	-184	119.8	-102
Photo Ionizer Detector (ppm)	0	0	0	0	0	0	0	0	0	0
Temperature (Deg. C)	15.61	17.12	15.07	19.49	18.03	18.66	17.62	16.58	17.17	17.24
Turbidity	0.0	352	160	208	128	256	167	759	87.0	818
POST PURGE DATA										
Time Stop	10:05	11:14	9:55	14:00	10:38	11:50	15:27	9:48	15:15	15:52
Amount Purged (gallons)	8.0	7.0	25.0	26.0	70	20.0	21.0	16.0	120.0	2.0
pH (std. units)	7.23	6.13	1.36	6.45	6.73	6.99	6.83	12.20	7.77	10.05
Specific Conductance (µS/cm)	2.09	401	606	566	2980	13.7	394	1.62	511	0.078
Dissolved Oxygen (mg/L)	4.87	1.79	4.70	0.69	1.30	4.82	3.45	2.86	7.60	4.40
Oxidation Reduction Potential (mV)	108	178.8	-10	231	98.6	122	57.7	-186	145.2	-45
Temperature (Deg. C)	16.03	16.32	16.51	17.54	18.21	19.24	18.27	16.41	17.20	17.24
Turbidity	215	326	185	462	76	189	338	259	32	828
SAMPLING DATA										
Time Start	10:15	12:00	10:10	14:10	10:45	12:05	15:40	9:53	15:25	16:30
Sample ID	MW1-02-31_10-08	MW1-10-30_10-08	MW1-12-29_10-08	MW1-15-29_10-08	MW1-23-47_10-08	MW1-24-23_10-08	MW1-26-27_10-08	MW1-27-19_10-08	MW1-28-74_10-08	MW2-1-22_10-08
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	6.50	5.79	7.02	6.70	6.67	6.97	6.50	12.50	7.73	9.26
Specific Conductance (µS/cm)	2.310	396	605	564	2862	0.388	356	1.66	502	0.604
Dissolved Oxygen (mg/L)	4.56	0.64	1.37	0.530	1.81	2.60	0.51	2.46	5.42	3.85
Oxidation Reduction Potential (mV)	150	177.3	-19.4	-236	88.6	122	44.6	-207	138.3	13
Temperature (Deg. C)	15.39	16.38	16.24	17.91	18.14	19.10	17.55	17.07	17.28	17.66
Turbidity	837	192	120	421	42	203	126	141	46	854
Depth to Water (ft.-TIC)	19.37	129.00	14.89	18.63	14.65	14.93	17.99	14.91	14.79	19.07

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available

Table 3
Monitoring Well Information Summary -
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Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	MW2-03-33	MW3-02-27	MW3-12-31	MW3-29-29	MW3-34-28	MW3-41-29	MW4-02-24	MW4-10-23	MW4-11-33	MW4-14-36
Date	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/17/2008	10/15/008	10/17/2008
Temperature (Deg. F)	70	75	75	75	80	75	75	60	75	55
Weather Conditions	OVERCAST	SUNNY	OVERCAST	SUNNY	CLOUDY	OVERCAST	OVERCAST	SUNNY	SUNNY	SUNNY
WELL INFORMATION										
Well Diameter (inches)	2	2	2	2	2	2	2	4	2	2
Sample Site Code	MW2-3-33	MW3-02-27	MW3-12-31	MW3-29-29	MW3-34-28	MW3-41-29	MW4-2-24	MW4-10-23	MW4-11-33	MW4-14-369
Top of inner casing elevation	22.45	21.39	22.03	19.31	21.64	22.71	17.49	12.79	23.2	15.06
Depth to Water (ft.-TIC)	19.65	15.59	17.81	14.54	16.06	18.59	13.25	10.20	20.68	12.90
Groundwater Elevation	2.8	5.8	4.22	4.77	5.58	4.12	4.24	2.59	2.52	2.16
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	n/a	22 to 26	n/a	24 to 34	18 to 28	19 to 29	16 to 22	n/a	n/a	25.8 to 35.8
Total Depth of Well (ft.-TIC)	32.45	26.50	31.50	34.5	23	31.53	24.30	23.55	33.45	39.20
PRE PURGE DATA										
Time Start	9:40	11:10	9:52	9:35	13:30	11:15	14:17	9:38	15:52	10:20
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	6.26	5.33	6.69	9.76	3.39	6.33	5.40	26.15	6.24	12.86
pH (std. units)	6.62	6.49	11.37	5.35	6.26	10.87	11.11	7.35	5.80	5.23
Specific Conductance (µS/cm)	482	0.899	1.70	1.75	1.07	0.593	0.871	273	0.014	1.60
Dissolved Oxygen (mg/L)	4.02	2.56	4.44	3.07	5.10	4.16	7.92	1.25	2.60	7.20
Oxidation Reduction Potential (mV)	62	24	-143	317	223	-125	-131	-159	306	390
Photo Ionizer Detector (ppm)	0	0	0	0	0	0	0	0	0	0
Temperature (Deg. C)	15.51	18.9	16.56	17.2	18.6	15.83	16.81	15.46	17.72	13.4
Turbidity	120	661	0.0	576	596	218	812	372	296	560
POST PURGE DATA										
Time Stop	9:50	11:50	9:59	10:10	13:50	11:22	14:23	10:10	15:58	10:35
Amount Purged (gallons)	8.0	6.0	7.0	10.0	5.0	7.0	6.0	27.0	6.5	15.0
pH (std. units)	6.40	6.15	11.71	5.99	6.54	9.45	12.21	6.95	5.71	5.85
Specific Conductance (µS/cm)	483	0.90	1.61	2.13	1.07	0.902	0.941	279	7.25	1.87
Dissolved Oxygen (mg/L)	2.25	2.39	5.29	2.25	4.84	4.11	3.25	2.03	2.45	6.50
Oxidation Reduction Potential (mV)	74.1	60	-158	258	230	-30	-168	-433.0	306	367
Temperature (Deg. C)	18.07	18.4	16.63	16.3	18.4	16.00	14.01	15.04	17.60	13.50
Turbidity	89.0	6.9	22.0	588	608	203	795	244	283.0	566
SAMPLING DATA										
Time Start	10:00	12:10	10:05	10:15	14:00	11:30	14:30	10:40	16:00	10:40
Sample ID	MW2-03-33_10-08	MW3-02-27_10-08	MW3-12-31_10-08	MW3-29-29_10-08	MW3-34-28_10-08	MW3-41-29_10-08	MW4-2-24_10-08	MW4-10-23_10-08	MW4-11-33_10-08	MW4-14-36_10-08
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	6.40	6.14	11.87	6.25	6.41	8.65	12.23	6.93	5.86	5.88
Specific Conductance (µS/cm)	483	0.900	1.600	2.1	1.08	0.594	0.944	270	5.78	1.88
Dissolved Oxygen (mg/L)	2.25	2.66	4.91	3.32	3.84	3.42	3.13	1.90	3.18	6.53
Oxidation Reduction Potential (mV)	74	47	-181	140	198	20	-170	-133.6	302	355
Temperature (Deg. C)	15.07	17.6	16.51	17.1	18.2	16.26	14.03	14.04	17.78	13.47
Turbidity	136	OS	12.1	623	612	186	808	263	440	556
Depth to Water (ft.-TIC)	20.64	15.74	17.88	14.48	16.00	18.63	13.29	17.10	20.71	12.87

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available

Table 3
Monitoring Well Information Summary -
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Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	MW4-30-63	MW4-33-25	MW5-07-24	MW5-11-27	MW5-12-27	MW5-18-26	MW5-21-20	MW5-22-32	MW5-23-42	MW5-25-27
Date	10/20/2008	10/16/2008	10/15/2008	10/14/2008	10/16/2008	10/15/2008	10/17/2008	10/17/2008	10/17/2008	10/20/2008
Temperature (Deg. F)	70	70	75	80	82	75	70	65	60	50
Weather Conditions	CLEAR	OVERCAST	SUNNY	SUNNY	CLOUDY	SUNNY	SUNNY	SUNNY	SUNNY	SUNNY
WELL INFORMATION										
Well Diameter (inches)	10	2	2	2	2	2	2	2	2	2
Sample Site Code	MW4-30-63	MW4-33-25	MW5-07-24	MW5-11-27	MW5-12-27	MW5-18-26	MW5-21-20	MW5-22-32	MW5-23-42	MW5-25-27
Top of inner casing elevation	13.12	23.12	22.75	22.36	21.47	22.63	21.93	21.12	22.42	21.8
Depth to Water (ft.-TIC)	19.26	19.54	16.11	18.02	15.83	16.54	14.09	14.11	14.59	14.23
Groundwater Elevation	-6.14	3.58	6.64	4.34	5.64	6.09	7.84	7.01	7.83	7.57
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	52 to 62	14.5 to 24.5	20 to 24	23 to 27	22 to 26	n/a	8 to 18	20 to 30	30 to 40	15 to 25
Total Depth of Well (ft.-TIC)	61.70	26.55	27	27.15	26.50	27	18	30	40	25.5
PRE PURGE DATA										
Time Start	11:45	16:35	16:20	13:07	15:15	11:40	14:10	12:35	11:45	10:00
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	667	3.43	5.33	4.46	5.22	5.11	1.91	7.77	12.43	5.51
pH (std. units)	8.00	6.48	7.01	7.32	6.46	7.45	9.81	6.37	6.86	5.21
Specific Conductance (µS/cm)	649	879	0.90	548	0.949	0.643	1.62	1.56	1.16	1.43
Dissolved Oxygen (mg/L)	6.20	3.24	2.06	2.67	3.67	4.54	3.55	4.35	4.30	2.80
Oxidation Reduction Potential (mV)	-213	-171.9	155	35.2	241	249	-44	160	133	240
Photo Ionizer Detector (ppm)	0	0	0	0	0	0	0	0	0	0
Temperature (Deg. C)	13.48	19.07	19.6	17.62	18.7	18.6	17.20	17.08	16.96	12.9
Turbidity	210.0	298	434	38	589	576	26.4	19.8	540.0	480
POST PURGE DATA										
Time Stop	15:38	16:40	17:00	13:14	15:40	12:08	14:25	13:05	12:15	10:25
Amount Purged (gallons)	670	4.0	6.0	5.0	5.5	6.5	3.0	10.0	13.0	7.0
pH (std. units)	780	6.51	7.21	7.07	6.47	9.29	10.24	6.63	8.35	5.98
Specific Conductance (µS/cm)	673	-173.000	1.04	542	0.975	0.730	1.60	1.56	1.22	1.44
Dissolved Oxygen (mg/L)	5.22	3.82	3.87	1.86	3.07	3.84	3.44	3.83	6.23	4.85
Oxidation Reduction Potential (mV)	-117	-74.5	164	103	248	118	-66	147	40	214
Temperature (Deg. C)	17.81	19.05	20.4	16.76	18.5	18.6	16.43	16.44	14.99	14.3
Turbidity	64.0	130	654	28	OS	620	OS	1.8	35.7	446
SAMPLING DATA										
Time Start	15:45	16:55	17:10	13:35	16:00	12:20	14:30	13:15	14:55	10:30
Sample ID	MW4-30-63_10-08	MW4-33-25_10-08	MW5-07-24_10-08	MW5-11-27_10-08	MW5-12-27_10-08	MW5-18-26_10-08	MW5-21-20_10-08	MW5-22-32_10-08	MW5-23-42_10-08	MW5-25-27_10-08
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	7.43	6.43	7.28	7.10	6.39	8.90	9.97	6.75	8.37	6.20
Specific Conductance (µS/cm)	688	871	1.02	542	0.968	0.663	1.63	1.57	1.18	1.45
Dissolved Oxygen (mg/L)	3.24	1.03	3.65	1.46	2.80	3.38	3.31	3.51	6.13	3.72
Oxidation Reduction Potential (mV)	-109.3	-185.6	150	102.4	228	51	-50	141	42	166
Temperature (Deg. C)	12.37	18.92	19.6	16.51	17.8	18.1	16.61	16.32	14.97	14.2
Turbidity	92	62.0	641	13	OS	403	OS	4.6	33.7	449
Depth to Water (ft.-TIC)	21.78	19.84	16.09	18.01	15.83	16.55	13.96	13.19	28.3	14.33

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available

Table 3
Monitoring Well Information Summary -
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Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	MW5-26-52	MW5-27-17	MW5-28-31	MW5-29-49	MW5-31-21	MW5-32-31	MW5-33-41	MW5-41-19	MW6-02-27	MW6-04-29
Date	10/20/2008	10/17/2008	10/17/2008	10/17/2008	10/20/2008	10/20/2008	10/20/2008	10/15/2008	10/14/2008	10/15/2008
Temperature (Deg. F)	55	70	75	60	65	60	55	75	75	75
Weather Conditions	SUNNY	SUNNY	SUNNY	SUNNY	SUNNY	CLEAR	CLEAR	SUNNY	SUNNY	SUNNY
WELL INFORMATION										
Well Diameter (inches)	2	2	2	4	2	2	2	4	2	2
Sample Site Code	MW5-26-52	MW5-27-17	MW5-28-31	MW5-29-49	MW5-31-21	MW5-32-31	MW5-33-41	MW5-41-19	MW6-02-27	MW6-04-29
Top of inner casing elevation	21.85	18.87	18.54	19.77	22.43	22.14	22.11	20.12	15.16	23.16
Depth to Water (ft.-TIC)	12.12	12.60	12.99	14.62	14.80	14.51	14.48	10.63	13.27	22.08
Groundwater Elevation	9.73	6.27	5.55	5.15	7.63	7.63	7.63	9.49	1.89	1.08
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	41 to 51	5 to 15	19 to 29	37 to 47	29 to 39	19 to 29	9 to 19	4 to 19	22 to 24	22 to 26
Total Depth of Well (ft.-TIC)	51	17.05	23.80	43.20	19.90	22.41	22.57	22	26.77	28.20
PRE PURGE DATA										
Time Start	11:30	14:09	12:41	12:12	14:00	13:02	12:07	14:35	16:20	14:34
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	19.01	2.18	5.29	55.99	2.49	3.86	3.96	22.27	6.60	2.99
pH (std. units)	6.68	7.02	7.34	7.89	5.90	9.18	11.93	7.06	5.31	9.86
Specific Conductance (µS/cm)	0.186	830	842	81	0.604	0.715	1.02	0.709	0.667	1.12
Dissolved Oxygen (mg/L)	3.51	3.40	3.42	5.80	2.29	4.64	2.52	2.63	3.99	6.04
Oxidation Reduction Potential (mV)	175	-66.7	120.7	36.8	221	1.0	-164	196	373	-112
Photo Ionizer Detector (ppm)	0	0	0	0	0	20.0	32.9	0	0	0
Temperature (Deg. C)	14.4	13.58	14.35	14.8	17.7	15.89	15.89	17.2	20.5	18.56
Turbidity	OS	212	183	126	574	6.0	0.0	545	565	53.9
POST PURGE DATA										
Time Stop	13:00	14:12	12:47	12:26	14:30	13:07	12:12	15:02	16:27	14:38
Amount Purged (gallons)	20.0	3.5	6.5	58.0	3.0	4.0	5.0	24.0	7.0	3.5
pH (std. units)	6.40	7.30	7.32	7.64	5.99	9.26	11.42	6.93	5.80	8.88
Specific Conductance (µS/cm)	0.182	851	818	-60.9	0.746	0.743	1.02	0.733	0.616	1.23
Dissolved Oxygen (mg/L)	2.63	3.52	3.05	5.05	2.60	3.21	3.16	3.27	5.60	6.10
Oxidation Reduction Potential (mV)	207	-92.0	90.8	-67.1	176	-7	-134	231	383	99
Temperature (Deg. C)	13.9	14.36	13.11	13.77	17.7	16.00	14.64	17.6	20.8	18.99
Turbidity	OS	124.0	98	211	518	0.0	0.0	571	617	57.4
SAMPLING DATA										
Time Start	13:10	14:25	13:15	13:55	14:35	13:12	12:17	15:10	16:30	14:45
Sample ID	MW5-26-52_10-08	MW5-27-17_10-08	MW5-28-31_10-08	MW5-29-49_10-08	MW5-31-21_10-08	MW5-32-31_10-08	MW5-33-41_10-08	MW5-41-19_10-08	MW6-02-27_10-08	MW6-04-29_10-08
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	6.27	7.23	7.23	7.67	6.06	9.29	11.38	6.63	5.80	8.83
Specific Conductance (µS/cm)	0.180	848.000	817.000	-68.7	0.788	0.874	1.02	0.744	0.571	1.22
Dissolved Oxygen (mg/L)	2.46	1.81	1.66	5.03	2.59	3.42	3.79	3.71	4.15	6.02
Oxidation Reduction Potential (mV)	165	-99.4	-64.7	-63.1	180	-10	-132	263	383	96
Temperature (Deg. C)	13.5	14.23	12.98	13.78	17.5	16.34	14.73	17.2	20.00	18.58
Turbidity	792	83	120	138	504	0.0	0.0	552	611	55.1
Depth to Water (ft.-TIC)	18.16	12.82	13.14	14.51	14.9	14.67	15.88	10.64	13.24	25.18

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available

Table 3
Monitoring Well Information Summary -
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Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	MW6-05-28	MW6-06-24	MW6-08-28	MW6-12-42	MW6-20-37	MW6-26-20	MW7-04-26	MW7-05-28	MW7-09-17
Date	10/15/2008	10/15/2008	10/15/2008	10/17/2008	10/17/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008
Temperature (Deg. F)	75	75	75	65	65	78	79	79	70
Weather Conditions	SUNNY	SUNNY	SUNNY	CLEAR	CLEAR	SUNNY	SUNNY	SUNNY	SUNNY
WELL INFORMATION									
Well Diameter (inches)	2	4	2	2	2	2	2	2	2
Sample Site Code	MW6-5-28	MW6-06-24	MW6-08-28	MW6-12-42	MW6-20-37	MW6-26-20	MW7-04-26	MW7-05-28	MW7-09-17
Top of inner casing elevation	21.95	18.29	14.98	19.65	17.31	21.67	22.43	22.75	18.83
Depth to Water (ft.-TIC)	19.37	16.22	12.98	17.45	15.20	9.58	18.63	18.08	13.33
Groundwater Elevation	2.58	2.07	2	2.2	2.11	12.09	3.8	4.67	5.5
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	23 to 27	20 to 24	n/a	29.6 to 36.6	24 to 35	9.5 to 19.5	22 to 26	22 to 26	7.5 to 17.5
Total Depth of Well (ft.-TIC)	23.15	24.38	18.38	41.95	37.05	19.62	26.00	26.00	17.50
PRE PURGE DATA									
Time Start	12:44	10:50	9:25	13:06	11:39	16:22	17:15	15:20	9:35
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	1.85	15.99	2.64	11.98	10.68	4.91	3.60	3.87	2.04
pH (std. units)	5.38	5.69	5.25	5.72	6.23	7.010	6.27	5.79	5.45
Specific Conductance (µS/cm)	1.13	1.68	1.23	1.70	0.96	91	0.383	0.818	0.717
Dissolved Oxygen (mg/L)	4.75	5.42	3.40	4.99	3.30	1.85	5.02	4.37	4.34
Oxidation Reduction Potential (mV)	155	183	200	281	238	147.8	130	170	378
Photo Ionizer Detector (ppm)	0	0	0	0	0	0	0	0	0
Temperature (Deg. C)	16.70	18.14	15.41	16.7	14.8	20.9	17.31	17.64	16.1
Turbidity	92	132	0.0	632	650	110	27.6	10.6	574
POST PURGE DATA									
Time Stop	12:46	11:07	9:30	13:18	11:51	16:30	17:45	15:50	10:12
Amount Purged (gallons)	2.5	17.0	4.0	12.0	12.0	5.0	5.0	4.5	3.5
pH (std. units)	5.42	5.63	5.10	5.67	6.20	6.58	6.19	7.34	5.97
Specific Conductance (µS/cm)	0.06	1.81	1.22	1.91	1.48	86	0.427	0.793	0.822
Dissolved Oxygen (mg/L)	5.31	5.88	5.27	3.73	2.84	0.06	5.23	4.92	4.44
Oxidation Reduction Potential (mV)	149	162	215	308	258	154	135	86	325
Temperature (Deg. C)	16.18	15.54	15.68	15.80	14.60	23.02	17.22	18.32	16.5
Turbidity	120	127	0.0	647	869	52	36.5	83.7	910
SAMPLING DATA									
Time Start	12:50	11:10	9:35	13:25	12:00	16:40	17:55	16:04	10:25
Sample ID	MW6-05-28_10-08	MW6-06-24_10-08	MW6-08-28_10-08	MW6-12-42_10-08	MW6-20-37_10-08	MW6-26-20_10-08	MW7-04-26_10-08	MW7-05-28_10-08	MW7-09-17_10-08
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	5.50	6.16	5.30	5.49	5.99	6.58	6.18	7.52	6.09
Specific Conductance (µS/cm)	1.10	1.80	1.19	2.04	1.46	83	0.468	0.811	0.847
Dissolved Oxygen (mg/L)	4.64	3.56	5.88	2.61	1.99	0.06	5.78	4.50	4.21
Oxidation Reduction Potential (mV)	147	117	184	299	137	154.1	137	52	289
Temperature (Deg. C)	16.07	15.17	15.70	15.5	15.0	23.02	17.24	17.78	16.2
Turbidity	38.2	125	5.9	532	839	46.0	77.7	272	663
Depth to Water (ft.-TIC)	19.76	16.17	13.17	17.42	15.11	9.83	18.2	17.95	13.33

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available

Table 4
Monitoring Well Information Summary - June 2009
Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	**MW1-02-31**	**MW1-12-29**	**MW1-15-29**	**MW1-23-47**	**MW1-26-27**	**MW1-28-74**	**MW2-01-22***
Date	6/18/2009	6/19/2009	6/19/2009	6/19/2009	6/17/2009	6/18/2009	6/18/2009
Temperature (Deg. F)	60	60	70	70	60	60	64
Weather Conditions	Rain	Rain	Clear	Clear	Partly Cloudy	Rain	Rain
WELL INFORMATION							
Well Diameter (inches)	2	4	4	4	4	4	2
Sample Site Code	MW1-02-31	MW1-12-29	MW1-15-29	MW1-23-47	MW1-26-27	MW1-28-74	MW2-01-22
Top of inner casing elevation	22.4	18.59	20.47	16.35	21.34	18.82	21.64
Depth to Water (ft.-TIC)	18.42	14.61	17.00	13.80	16.82	14.08	16.44
Groundwater Elevation	3.98	3.98	3.47	2.55	4.52	4.74	5.20
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	27 to 31	n/a	n/a	27 to 47	12 to 32	54 to 74	n/a
Total Depth of Well (ft.-TIC)	31.5	27.4	31.4	49.39	28.55	75.55	21.84
PRE PURGE DATA							
Time Start	14:30	11:37	9:40	8:27	14:38	9:30	12:24
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	6.40	25.06	28.21	69.72	22.98	120.42	2.64
pH (std. units)	6.83	6.28	6.67	7	6.42	6.94	n/a
Specific Conductance (µS/cm)	2.200	0.791	0.361	4.110	0.386	0.621	n/a
Dissolved Oxygen (mg/L)	3.21	2.52	1.09	1.89	5.90	8.82	n/a
Oxidation Reduction Potential (mV)	168	119	-7.0	378.0	307	301.0	n/a
Photo Ionizer Detector (ppm)	0	0	0	0	0	0	n/a
Temperature (Deg. C)	14.0	14.3	17.8	17.7	11.6	15.0	n/a
Turbidity	311.0	17	140	203	0.0	0.0	n/a
POST PURGE DATA							
Time Stop	14:45		10:41	9:40	15:19	11:14	13:05
Amount Purged (gallons)	7.0	26.0	29.0	70	24.0	125.0	3.0
pH (std. units)	6.81	6.30	6.51	6.30	6.53	7.26	n/a
Specific Conductance (µS/cm)	2.270	0.758	0.421	4.160	0.348	0.617	n/a
Dissolved Oxygen (mg/L)	3.35	3.24	1.54	3.03	10.80	8.89	n/a
Oxidation Reduction Potential (mV)	145	110	43	370.0	262.0	311.0	n/a
Temperature (Deg. C)	14.0	14.2	17.1	17.6	12.1	15.3	n/a
Turbidity	123.0	14.3	OS	26.4	9.8	8.3	n/a
SAMPLING DATA							
Time Start	15:00	12:07	10:52	9:45	15:35	11:25	13:50
Sample ID	MW1-02-31	MW1-12-29	MW1-15-29	MW1-23-47	MW1-26-27	MW1-28-74	MW2-01-22
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	6.58	6.25	6.43	6.20	6.72	7.33	7.55
Specific Conductance (µS/cm)	2.210	0.738	0.627	4.150	0.334	0.616	0.773
Dissolved Oxygen (mg/L)	2.66	4.25	1.420	2.33	3.04	8.79	6.00
Oxidation Reduction Potential (mV)	110	110.0	52	2.75	314.0	15.3	234.0
Temperature (Deg. C)	14.0	14.2	17.0	17.4	12.9	309.0	16.0
Turbidity	16	10	OS	39	12.9	8.3	OS
Depth to Water (ft.-TIC)		15.83	18.60		18.59	13.36	16.52

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available
*Well went dry during pumping.
OS = off scale

Table 4
Monitoring Well Information Summary - June 2009
Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	MW2-03-33	MW4-02-24	MW3-02-27	MW3-12-31	MW3-29-29	MW4-10-23*	MW4-11-33	MW4-14-36
Date	6/19/2009	6/18/2009	6/18/2009	6/19/2009	6/18/2009	6/17/2009	6/19/2009	6/19/2009
Temperature (Deg. F)	70	64	60	70	60	70	75	65
Weather Conditions	Clear	Rain	Rain	Clear	Rain	Cloudy	Clear	Clear
WELL INFORMATION								
Well Diameter (inches)	2	2	2	2	2	4	2	2
Sample Site Code	MW2-3-33	MW4-02-24	MW3-02-27	MW3-12-31	MW3-29-29	MW4-10-23	MW4-11-33	MW4-14-36
Top of inner casing elevation	22.45	17.49	21.39	22.03	19.31	12.79	23.2	15.06
Depth to Water (ft.-TIC)	18.92	12.32	14.90	16.98	13.80	8.95	19.73	11.83
Groundwater Elevation	3.53	5.17	6.49	5.05	5.51	3.84	3.47	3.23
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	n/a	16 to 22	22 to 26	n/a	24 to 34	n/a	n/a	25.8 to 35.8
Total Depth of Well (ft.-TIC)	32.45	24.27	26.5	31.5	34.5	23.55	33.45	39.14
PRE PURGE DATA								
Time Start	8:15	15:17	9:16	10:26	10:37	15:10	11:12	8:23
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	6.62	5.84	5.67	7.10	10.12	28.60	6.71	13.35
pH (std. units)	6.48	6.92	6.03	11.11	6.40	6.11	2.97	6.90
Specific Conductance (µS/cm)	0.667	0.861	0.715	1.770	1.290	0.451	3.170	3.030
Dissolved Oxygen (mg/L)	2.22	1.52	2.30	2.79	2.30	1.07	2.40	5.14
Oxidation Reduction Potential (mV)	230	-45	-60	60	4	-87	375	245
Photo Ionizer Detector (ppm)	0	0	0	0	0	0	0	0
Temperature (Deg. C)	16.3	13.7	14.2	15.7	13.6	10.9	15.5	12.5
Turbidity	121	523	50.0	27.3	98.0	10.0	398	5.3
POST PURGE DATA								
Time Stop	8:37	15:47	9:45	10:35		16:15	11:20	8:35
Amount Purged (gallons)	7.0	7.0	6.0	7.5	10.5	30.0	7.0	15.0
pH (std. units)	6.28	6.89	6.11	11.15	6.33	n/a	2.60	6.63
Specific Conductance (µS/cm)	0.642	0.887	0.671	1.810	1.290	n/a	3.500	3.080
Dissolved Oxygen (mg/L)	1.93	4.87	2.49	2.90	3.47	n/a	3.45	4.34
Oxidation Reduction Potential (mV)	272.0	-68.0	-40	50	10	n/a	372	243
Temperature (Deg. C)	16.3	13.9	13.9	15.4	13.8	n/a	15.3	12.5
Turbidity	111	513	207.0	10.8	67.1	n/a	355.0	88.3
SAMPLING DATA								
Time Start	8:40	15:55	9:50	10:50	10:50	16:30	11:35	8:45
Sample ID	MW2-3-33	MW4-02-24	MW3-02-27	MW3-12-31	MW3-29-29	MW4-10-23	MW4-11-33	MW4-14-36
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	6.14	7.11	6.12	10.69	6.26	6.15	2.57	6.62
Specific Conductance (µS/cm)	0.637	0.878	0.677	1.720	1.300	0.392	3.280	3.080
Dissolved Oxygen (mg/L)	1.63	4.03	3.27	2.97	2.89	0.46	3.90	4.18
Oxidation Reduction Potential (mV)	348	-83	-41	12	10	-81.0	386	240
Temperature (Deg. C)	16.3	13.6	13.9	15.4	13.7	10.9	15.3	12.5
Turbidity	93.7	389.0	667.0	12.6	12.3	13.4	30.6	80.6
Depth to Water (ft.-TIC)	19.85	12.51	16.97	17.23	14.23	14.61	20.11	11.86

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available
*Well went dry during pumping.
OS = off scale

Table 4
Monitoring Well Information Summary - June 2009
Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	**MW4-30-63**	**MW4-33-25**	**MW5-18-26**	**MW5-41-19**	**MW5-07-24**	**MW6-02-27**
Date	6/19/2009	6/19/2009	6/17/2009	6/17/2009	6/18/2009	6/19/2009
Temperature (Deg. F)	75	72	70	70	70	72
Weather Conditions	Partly Cloudy	Clear	Overcast	Overcast	Rain	Clear
WELL INFORMATION						
Well Diameter (inches)	10	2	2	4	2	2
Sample Site Code	MW4-30-63	MW4-33-25	MW5-18-26	MW5-41-19	MW5-07-24	MW6-02-27
Top of inner casing elevation	13.12	23.12	22.63	20.36	22.75	15.16
Depth to Water (ft.-TIC)	9.69	18.33	15.55	9.87	15.13	11.77
Groundwater Elevation	3.43	4.79	7.08	10.49	7.62	3.39
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-
Screened Interval (ft. MSL)	52 to 62	14.5 to 24.5	27.00	4 to 19	20 to 24	22 to 24
Total Depth of Well (ft.-TIC)	61.7	26.55	27.99	21.20	24.82	26.77
PRE PURGE DATA						
Time Start	13:47	12:50	15:50	14:44	13:23	11:12
Method (pump or bail)	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	636.60	4.02	6.08	22.20	4.74	7.34
pH (std. units)	8.26	6.46	10.34	5.43	7.40	6.55
Specific Conductance (µS/cm)	0.872	0.903	1.540	0.834	0.875	0.548
Dissolved Oxygen (mg/L)	1.07	1.05	2.63	2.23	1.89	2.83
Oxidation Reduction Potential (mV)	-367	-70.0	3	461	-88	127
Photo Ionizer Detector (ppm)	0	0	0	0	0	0
Temperature (Deg. C)	12.1	15.8	14.8	14.0	14.8	14.8
Turbidity	6.2	5.8	16.8	15.6	38.0	103.0
POST PURGE DATA						
Time Stop	15:50	13:07		15:17	13:37	11:20
Amount Purged (gallons)	640	5.0	6.5	23.0	5.0	8.0
pH (std. units)	6	6.67	10.15	5.43	5.41	6.60
Specific Conductance (µS/cm)	1.050	0.953	1.430	0.748	0.877	0.534
Dissolved Oxygen (mg/L)	0.16	0.42	2.94	2.75	2.92	3.14
Oxidation Reduction Potential (mV)	-253	-111.0	-13	454	-81	124
Temperature (Deg. C)	12.2	15.5	14.4	13.8	14.8	14.7
Turbidity	5.4	20.5	2.9	10.7	26.0	261.0
SAMPLING DATA						
Time Start	16:00	13:13	16:20	15:20	13:45	12:32
Sample ID	MW4-30-63	MW4-33-25	MW5-18-26	MW5-41-19	MW5-07-24	MW6-02-27
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	5.75	6.70	10.20	5.45	7.38	6.57
Specific Conductance (µS/cm)	1.050	0.953	1.420	0.714	0.890	0.540
Dissolved Oxygen (mg/L)	0.17	0.38	3.02	3.12	2.00	128.00
Oxidation Reduction Potential (mV)	-253.0	-114.0	-10	451	14.7	3
Temperature (Deg. C)	12.2	15.6	14.4	13.7	-78.0	14.6
Turbidity	5.3	22.3	123.0	5.3	10.7	37.8
Depth to Water (ft.-TIC)	27.38	20.29	16.07	9.90	16.78	11.78

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available
*Well went dry during pumping.
OS = off scale

Table 4
Monitoring Well Information Summary - June 2009
Keystone Industrial Port Complex
United States Steel Corporation
Fairless Hills, Pennsylvania

WELL ID	**MW6-05-28**	**MW6-06-24**	**MW6-12-42**	**MW6-08-28**	**MW6-20-37**	**MW7-04-26**	**MW7-05-28**
Date	6/19/2009	6/19/2009	6/18/2009	6/18/2009	6/19/2009	6/18/2009	6/18/2009
Temperature (Deg. F)	75	75	60	60	75	60	60
Weather Conditions	Mostly cloudy	Mostly cloudy	Rain	Rain	Clear	Overcast/Rain	Rain
WELL INFORMATION							
Well Diameter (inches)	2	4	2	2	2	2	2
Sample Site Code	MW6-5-28	MW6-06-24	MW6-12-42	MW6-08-28	MW6-20-37	MW7-04-26	MW7-05-28
Top of inner casing elevation	21.95	18.29	19.65	14.98	17.31	22.43	22.75
Depth to Water (ft.-TIC)	18.39	14.99	16.40	11.49	14.11	17.89	17.20
Groundwater Elevation	3.56	3.30	3.25	3.49	3.20	4.54	5.55
Depth to LNAPL (ft. -TIC)	-	-	-	-	-	-	-
Depth to DNAPL (ft. -TIC)	-	-	-	-	-	-	-
Screened Interval (ft. MSL)	23 to 27	20 to 24	29.6 to 39.6	n/a	24 to 35	22 to 26	22 to 26
Total Depth of Well (ft.-TIC)	23.15	24.38	42.1	18.38	37.05	26	27.51
PRE PURGE DATA							
Time Start	11:00	12:00	14:25	12:30	9:45	11:25	10:00
Method (pump or bail)	BAIL	PUMP	PUMP	PUMP	PUMP	PUMP	PUMP
Amount to Purge (gallons)	2.33	18.40	12.57	3.37	11.22	3.97	5.04
pH (std. units)	6.78	6.28	5.48	6.01	6.36	6.26	6.89
Specific Conductance (µS/cm)	0.603	0.793	1.700	0.538	1.040	0.442	0.877
Dissolved Oxygen (mg/L)	2.25	2.86	2.44	2.43	5.12	1.30	3.21
Oxidation Reduction Potential (mV)	280	353	380	317	275	332	188
Photo Ionizer Detector (ppm)	0	0	0	0	0	0	0
Temperature (Deg. C)	14.0	13.6	12.2	13.5	13.2	12.1	14.2
Turbidity	16.6	1.4	28.9	17.0	108.0	3.9	260.0
POST PURGE DATA							
Time Stop	11:10	12:23	14:33	12:38	9:57	11:35	10:19
Amount Purged (gallons)	3.0	20.0	15.0	5.0	13.0	5.0	8.0
pH (std. units)	6.53	6.44	6.01	6.27	6.34	6.18	6.61
Specific Conductance (µS/cm)	0.638	6.791	1.430	0.538	1.80	0.488	0.863
Dissolved Oxygen (mg/L)	3.95	3.15	1.97	2.29	1.61	1.39	1.86
Oxidation Reduction Potential (mV)	3	273	322	351	174	365	209
Temperature (Deg. C)	13.9	14.0	12.5	14.0	13.6	11.9	13.6
Turbidity	21.3	9.8	9.1	7.3	48.4	19.1	49.7
SAMPLING DATA							
Time Start	11:20	12:30	14:35	12:45	10:15	11:45	10:25
Sample ID	MW6-5-28	MW6-06-24	MW6-12-42	MW6-08-28	MW6-20-37	MW7-04-26	MW7-05-28
Method	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL	BAIL
pH (std. units)	6.65	6.34	5.98	6.06	6.19	6.14	6.33
Specific Conductance (µS/cm)	0.639	0.796	1.430	0.540	1.80	0.488	0.864
Dissolved Oxygen (mg/L)	3.63	2.15	2.05	1.84	1.37	1.21	1.81
Oxidation Reduction Potential (mV)	314	280	2	349	165	363	215
Temperature (Deg. C)	14.0	13.9	12.6	14.0	13.6	11.8	13.6
Turbidity	14.0	5.1	9.7	6.0	64.0	21.2	16.1
Depth to Water (ft.-TIC)	18.34	14.96	16.31	11.48	14.15	17.53	17.15

Notes:
4" well = 0.653
2" well= 0.163
µS/cm: Microsiemens per centimeter
TIC: Top of Inner Casing
MSL: Mean Sea Level
mV: millivolts
mg/L: milligrams per liter
ppm: parts per million
n/a = not available
*Well went dry during pumping.
OS = off scale

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW1-10-32				MW1-12-29				MW1-15-29				MW1-2-31				MW1-2-31				MW1-23-47				MW1-24-23			
			Sample ID	MW1-10-32_10-08-N				MW1-12-29_10-08-N				MW1-15-29_10-08-N				DUP-003_10-08-N				MW1-2-31_10-08-N				MW1-23-47_10-08-N				MW1-24-23_10-08-N			
			Sample Date	39737				10/20/2008				10/16/2008				10/17/2008				10/17/2008				10/15/2008				10/15/2008			
			Lab Id	C8J180168006				C8J220361008				C8J180168007				C8J180168030				C8J180168026				C8J160299015				C8J160299016			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	1.1	1	J	5	ND	1		5	ND	1		5	1.1	1	J	5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	3.2	1	J	5	ND	1		5	3.1	1	J	5	4.5	1	J	5	5.7	1		5	ND	1		5	3.3	1	J	5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	0.33	1	J	1	0.36	1	J	1	ND	1		1	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.02		2	ND	1.08		2.2	ND	1.09		2.2	ND	1.06		2.1	ND	1.12		2.2	ND	1.12		2.2	ND	1.06		2.1
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW1-10-32				MW1-12-29				MW1-15-29				MW1-2-31				MW1-2-31				MW1-23-47				MW1-24-23			
			Sample ID	MW1-10-32_10-08-N				MW1-12-29_10-08-N				MW1-15-29_10-08-N				DUP-003_10-08-N				MW1-2-31_10-08-N				MW1-23-47_10-08-N				MW1-24-23_10-08-N			
			Sample Date	39737				10/20/2008				10/16/2008				10/17/2008				10/17/2008				10/15/2008				10/15/2008			
			Lab Id	C8J180168006				C8J220361008				C8J180168007				C8J180168030				C8J180168026				C8J160299015				C8J160299016			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.02		5.1	ND	1.08		5.4	ND	1.09		5.4	ND	1.06		5.3	ND	1.12		5.6	ND	1.12		5.6	ND	1.06		5.3
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
2-NITROANILINE	88-74-4	5.8	ug/l	0.12	1.02	J	5.1	ND	1.08		5.4	0.055	1.09	J	5.4	ND	1.06		5.3	ND	1.12		5.6	ND	1.12		5.6	ND	1.06		5.3
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.02		10	ND	1.08		11	ND	1.09		11	ND	1.06		11	ND	1.12		11	ND	1.12		11	ND	1.06		11
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	0.098	1.02	J	1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
3-NITROANILINE	99-09-2	5.8	ug/l	0.057	1.02	J	5.1	ND	1.08		5.4	0.061	1.09	J	5.4	ND	1.06		5.3	ND	1.12		5.6	ND	1.12		5.6	ND	1.06		5.3
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.02		***5.1***	ND	1.08		***5.4***	ND	1.09		***5.4***	ND	1.06		***5.3***	ND	1.12		***5.6***	ND	1.12		***5.6***	ND	1.06		***5.3***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	0.11	1.12	J	1.1	ND	1.06		1.1
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
4-NITROPHENOL	100-02-7	60000	ug/l	0.71	1.02	J	5.1	ND	1.08		5.4	0.67	1.09	J	5.4	ND	1.06		5.3	ND	1.12		5.6	ND	1.12		5.6	ND	1.06		5.3
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.02		***10***	ND	1.08		***11***	ND	1.09		***11***	ND	1.06		***11***	ND	1.12		***11***	ND	1.12		***11***	ND	1.06		***11***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.02		10	ND	1.08		11	ND	1.09		11	ND	1.06		11	ND	1.12		11	ND	1.12		11	ND	1.06		11
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
ACETOPHENONE	98-86-2	10000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
ANILINE	62-53-3	5.8	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
ANTHRACENE	120-12-7	66	ug/l	0.076	1.02	J	0.2	0.37	1.08		0.22	0.065	1.09	J	0.22	ND	1.06		0.21	ND	1.12		0.22	0.86	1.12		0.22	0.076	1.06	J	0.21
ARAMITE	140-57-8	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	0.093	1.12	J	0.22	3.4	1.12		0.22	ND	1.06		0.21
BENZO(A)PYRENE	50-32-8	3.8	ug/l	ND	1.02		0.2	ND	1.08		0.22	0.55	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	2.3	1.12		0.22	ND	1.06		0.21
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	0.63	1.02		0.2	ND	1.08		0.22	0.67	1.09		0.22	ND	1.06		0.21	0.71	1.12		0.22	**2.9**	1.12		0.22	ND	1.06		0.21
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	ND	1.02		0.2	ND	1.08		0.22	**0.61**	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	**3.8**	1.12		0.22	ND	1.06		0.21
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.02		0.2	ND	1.08		0.22	**0.74**	1.09		0.22	ND	1.06		0.21	**0.76**	1.12		0.22	**3.5**	1.12		0.22	ND	1.06		0.21
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	0.39	1.02	J	1	0.15	1.08	JB	1.1	0.4	1.09	J	1.1	0.29	1.06	J	1.1	0.89	1.12	J	1.1	1.9	1.12		1.1	0.37	1.06	J	1.1
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	0.39	1.02	J	1	ND	1.08		1.1	ND	1.09		1.1	1.4	1.06		1.1	1.9	1.12		1.1	4	1.12		1.1	ND	1.06		1.1
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.02		4.1	ND	1.08		4.3	ND	1.09		4.4	ND	1.06		4.2	ND	1.12		4.5	ND	1.12		4.5	ND	1.06		4.2

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW1-10-32				MW1-12-29				MW1-15-29				MW1-2-31				MW1-2-31				MW1-23-47				MW1-24-23			
			Sample ID	MW1-10-32_10-08-N				MW1-12-29_10-08-N				MW1-15-29_10-08-N				DUP-003_10-08-N				MW1-2-31_10-08-N				MW1-23-47_10-08-N				MW1-24-23_10-08-N			
			Sample Date	39737				10/20/2008				10/16/2008				10/17/2008				10/17/2008				10/15/2008				10/15/2008			
			Lab Id	C8J180168006				C8J220361008				C8J180168007				C8J180168030				C8J180168026				C8J160299015				C8J160299016			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
CHRYSENE	218-01-9	1.9	ug/l	ND	1.02		0.2	ND	1.08		0.22	0.11	1.09	J	0.22	ND	1.06		0.21	0.14	1.12	J	0.22	**3.8**	1.12		0.22	ND	1.06		0.21
CYGON	60-51-5	20000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
DIALLATE	2303-16-4	1000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	ND	1.02		0.2	ND	1.08		0.22	**0.98**	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	**3.7**	1.12		0.22	ND	1.06		0.21
DIBENZOFURAN	132-64-9	5	ug/l	0.056	1.02	J	1	ND	1.08		1.1	0.064	1.09	J	1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	0.21	1.02	J	1	0.32	1.08	JB	1.1	0.21	1.09	J	1.1	0.082	1.06	J	1.1	0.2	1.12	J	1.1	0.87	1.12	J	1.1	0.073	1.06	J	1.1
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	0.45	1.02	J	1	ND	1.08		1.1	0.47	1.09	J	1.1	ND	1.06		1.1	0.54	1.12	J	1.1	3.6	1.12		1.1	0.53	1.06	J	1.1
DISULFOTON	298-04-4	30	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
FAMPHUR	52-85-7	5	ug/l	ND	1.02		***10***	ND	1.08		***11***	ND	1.09		***11***	ND	1.06		***11***	ND	1.12		***11***	ND	1.12		***11***	ND	1.06		***11***
FLUORANTHENE	206-44-0	260	ug/l	0.42	1.02		0.2	ND	1.08		0.22	0.49	1.09		0.22	0.42	1.06		0.21	0.47	1.12		0.22	2.1	1.12		0.22	ND	1.06		0.21
FLUORENE	86-73-7	1900	ug/l	ND	1.02		0.2	0.41	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	0.081	1.12	J	0.22	ND	1.06		0.21
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	1.3	1.12		0.22	ND	1.06		0.21
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	ND	1.02		0.2	ND	1.08		0.22	0.93	1.09		0.22	ND	1.06		0.21	0.96	1.12		0.22	3.4	1.12		0.22	ND	1.06		0.21
ISODRIN	465-73-6	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
ISOSAFROLE	120-58-1	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.02		***1***	ND	1.08		***1.1***	ND	1.09		***1.1***	ND	1.06		***1.1***	ND	1.12		***1.1***	ND	1.12		***1.1***	ND	1.06		***1.1***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
METHYL PARATHION	298-00-0	200	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
NAPHTHALENE	91-20-3	30000	ug/l	0.058	1.02	J	0.2	0.11	1.08	J	0.22	0.07	1.09	J	0.22	0.079	1.06	J	0.21	0.074	1.12	J	0.22	ND	1.12		0.22	ND	1.06		0.21
NITROBENZENE	98-95-3	51000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.02		***1***	ND	1.08		***1.1***	ND	1.09		***1.1***	ND	1.06		***1.1***	ND	1.12		***1.1***	ND	1.12		***1.1***	ND	1.06		***1.1***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.02		0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	ND	1.06		0.21
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
PENTACHLOROPHENOL	87-86-5	1000	ug/l	0.19	1.02	J	1	ND	1.08		1.1	0.096	1.09	J	1.1	ND	1.06		1.1	ND	1.12		1.1	0.31	1.12	J	1.1	0.91	1.06	J	1.1
PHENACETIN	62-44-2	760000	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
PHENANTHRENE	85-01-8	1100	ug/l	0.14	1.02	JB	0.2	0.084	1.08	J	0.22	0.19	1.09	JB	0.22	0.1	1.06	J	0.21	0.2	1.12	J	0.22	0.49	1.12	B	0.22	0.089	1.06	JB	0.21
PHENOL	108-95-2	400000	ug/l	0.096	1.02	J	0.2	ND	1.08		0.22	ND	1.09		0.22	ND	1.06		0.21	ND	1.12		0.22	ND	1.12		0.22	0.043	1.06	J	0.21
PHORATE	298-02-2	4.1	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.02		5.1	ND	1.08		5.4	ND	1.09		5.4	ND	1.06		5.3	ND	1.12		5.6	ND	1.12		5.6	ND	1.06		5.3
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.02		41	ND	1.08		43	ND	1.09		44	ND	1.06		42	ND	1.12		45	ND	1.12		45	ND	1.06		42
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
PYRENE	129-00-0	130	ug/l	0.13	1.02	J	0.2	ND	1.08		0.22	0.12	1.09	J	0.22	ND	1.06		0.21	0.1	1.12	J	0.22	2.2	1.12		0.22	ND	1.06		0.21
PYRIDINE	110-86-1	200	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
SAFROLE	94-59-7	NS	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
SULFOTEP	3689-24-5	10	ug/l	ND	1.02		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.06		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.06		1.1
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.38	1	JB	2	ND	1		2	0.22	1	JB	2	0.11	1	JB	2	0.23	1	JB	2	0.37	1	B	2	0.5	1	B	2
ARSENIC	7440-38-2	50000	ug/l	ND	1		1	0.23	1	B	1	7.2	1		1	ND	1		1	0.7	1	B	1	0.67	1	JB	1	0.54	1	JB	1
BARIUM	7440-39-3	2000000	ug/l	23	1		10	28.8	1		10	120	1		10	37.1	1		10	39.5	1		10	29.9	1		10	41.5	1		10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	1.1	1	J	1	0.19	1	B	1	ND	1		1	0.18	1	B	1	0.27	1	B	1	0.64	1	B	1	ND	1		1
CHROMIUM	7440-47-3	100000	ug/l	3	1	J	2	3.3	1	J	2	3.3	1	J	2	3.5	1	J	2	4.1	1	J	2	3.5	1	J	2	6.1	1	J	2
COBALT	7440-48-4	2000000	ug/l	8.2	1		0.5	0.98	1		0.5	0.49	1	B	0.5	0.83	1		0.5	1	1		0.5	1.1	1		0.5	0.36	1	B	0.5
COPPER	7440-50-8	1000000	ug/l	2.7	1		2	0.67	1	B	2	0.46	1	B	2	0.75	1	B	2	0.91	1	B	2	1.1	1	B	2	1.3	1	B	2
LEAD	7439-92-1	5000	ug/l	0.11	1	B	1	0.13	1	B	1	0.083	1	B	1	0.091	1	B	1	0.26	1	B	1	ND	1		1	ND	1		1
MERCURY	7439-97-6	2000	ug/l	0.049	1	JB	0.2	ND	1		0.2	0.037	1	JB	0.2	0.041	1	JB	0.2	0.06	1	JB	0.2	0.048	1	JB	0.2	0.037	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	12.2	1		1	1.3	1		1	1	1		1	1.7	1		1	1.9	1		1	2.1	1		1	0.89	1	B	1
SELENIUM	7782-49-2	50000	ug/l	ND	1		5	0.22	1	B	5	0.6	1	B	5	1.1	1	B	5	1.6	1	B	5	2.2	1	JB	5	3.9	1	JB	5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.079	1	B	1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	0.13	1	JB	1	0.038	1	B	1	0.057	1	JB	1	ND	1		1	0.068	1	B	1	0.065	1	B	1	0.33	1	B	1
TIN	7440-31-5	61000000	ug/l	7.4	1	J	5	2.8	1	JB	5	4.9	1	JB	5	5.3	1	J	5	8	1	J	5	5.4	1	J	5	9	1	J	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	0.6	1	B	1	0.38	1	B	1	ND	1		1	ND	1		1	0.37	1	B	1	ND	1		1	ND	1		1
ZINC	7440-66-6	2000000	ug/l	14.8	1		5	8.8	1	J	5	6.3	1		5	3.7	1	B	5	8.6	1		5	8.2	1		5	4.3	1	B	5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW1-26-27				MW1-27-19				MW1-28-74				MW2-1-22				MW2-3-33				MW3-12-31				MW3-2-27			
			Sample ID	MW1-26-27_10-08-N				MW1-27-19_10-08-N				MW1-28-74_10-08-N				MW2-1-22_10-08-N				MW2-3-33_10-08-N				MW3-12-31_10-08-N				MW3-2-27_10-08-N			
			Sample Date	10/16/2008				10/20/2008				10/15/2008				10/16/2008				10/16/2008				10/16/2008				10/16/2008			
			Lab Id	C8J180168008				C8J220361002				C8J160299017				C8J180168012				C8J180168005				C8J180168013				C8J180168033			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	1.7	1	J	5	ND	1		5	0.65	1	J	5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	9.1	1		5	2.7	1	J	5	2.7	1	J	5	ND	1		5	3.6	1	J	5	ND	1		5	5.4	1		5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	0.28	1	J	1	ND	1		1	ND	1		1	0.31	1	J	1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	0.28	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	0.48	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.08		2.2	ND	1.05		2.1	ND	1.03		2.1	ND	1.03		2.1	ND	1.03		2.1	ND	1.04		2.1	ND	1.06		2.1
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.25	1	J	1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.56	1	J	1	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW1-26-27				MW1-27-19				MW1-28-74				MW2-1-22				MW2-3-33				MW3-12-31				MW3-2-27			
			Sample ID	MW1-26-27_10-08-N				MW1-27-19_10-08-N				MW1-28-74_10-08-N				MW2-1-22_10-08-N				MW2-3-33_10-08-N				MW3-12-31_10-08-N				MW3-2-27_10-08-N			
			Sample Date	10/16/2008				10/20/2008				10/15/2008				10/16/2008				10/16/2008				10/16/2008				10/16/2008			
			Lab Id	C8J180168008				C8J220361002				C8J160299017				C8J180168012				C8J180168005				C8J180168013				C8J180168033			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.42	1.03	J	1	0.81	1.04	J	1	ND	1.06		1.1
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	0.13	1.08	J	1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.14	1.03	J	1	0.24	1.04	J	1	ND	1.06		1.1
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	0.099	1.08	J	0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.2	1.03	J	0.21	ND	1.04		0.21	ND	1.06		0.21
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.12	1.03	J	1	0.14	1.04	J	1	ND	1.06		1.1
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.08		5.4	ND	1.05		5.2	ND	1.03		5.2	ND	1.03		5.2	1.7	1.03	J	5.2	ND	1.04		5.2	ND	1.06		5.3
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	ND	1.08		1.1	0.079	1.05	J	1	ND	1.03		1	ND	1.03		1	0.18	1.03	J	1	0.65	1.04	J	1	ND	1.06		1.1
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.19	1.03	J	1	ND	1.04		1	ND	1.06		1.1
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.067	1.03	J	0.21	ND	1.04		0.21	ND	1.06		0.21
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.088	1.03	J	0.21	0.24	1.04		0.21	ND	1.06		0.21
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.13	1.03	J	1	0.23	1.04	J	1	ND	1.06		1.1
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
2-NITROANILINE	88-74-4	5.8	ug/l	ND	1.08		5.4	ND	1.05		5.2	ND	1.03		5.2	ND	1.03		5.2	0.37	1.03	J	5.2	ND	1.04		5.2	ND	1.06		5.3
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.082	1.03	J	1	ND	1.04		1	ND	1.06		1.1
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.08		11	ND	1.05		10	ND	1.03		10	ND	1.03		10	ND	1.03		10	ND	1.04		10	ND	1.06		11
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	0.12	1.03	J	1	0.37	1.03	J	1	0.9	1.04	J	1	0.086	1.06	J	1.1
3-NITROANILINE	99-09-2	5.8	ug/l	ND	1.08		5.4	ND	1.05		5.2	ND	1.03		5.2	ND	1.03		5.2	0.56	1.03	J	5.2	ND	1.04		5.2	ND	1.06		5.3
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.08		***5.4***	ND	1.05		***5.2***	ND	1.03		***5.2***	ND	1.03		***5.2***	ND	1.03		***5.2***	ND	1.04		***5.2***	ND	1.06		***5.3***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.12	1.03	J	1	ND	1.04		1	ND	1.06		1.1
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.28	1.03	J	1	ND	1.04		1	ND	1.06		1.1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.079	1.03	J	1	ND	1.04		1	ND	1.06		1.1
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
4-NITROPHENOL	100-02-7	60000	ug/l	ND	1.08		5.4	ND	1.05		5.2	ND	1.03		5.2	ND	1.03		5.2	1.8	1.03	J	5.2	ND	1.04		5.2	ND	1.06		5.3
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.08		***11***	ND	1.05		***10***	ND	1.03		***10***	ND	1.03		***10***	ND	1.03		***10***	ND	1.04		***10***	ND	1.06		***11***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.08		11	ND	1.05		10	ND	1.03		10	ND	1.03		10	ND	1.03		10	ND	1.04		10	ND	1.06		11
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.082	1.03	J	0.21	0.2	1.04	J	0.21	3.8	1.06		0.21
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.06	1.03	J	0.21	ND	1.04		0.21	0.099	1.06	J	0.21
ACETOPHENONE	98-86-2	10000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	0.12	1.04	J	1	0.056	1.06	J	1.1
ANILINE	62-53-3	5.8	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	0.45	1.06	J	1.1
ANTHRACENE	120-12-7	66	ug/l	ND	1.08		0.22	0.39	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.17	1.03	J	0.21	ND	1.04		0.21	0.18	1.06	J	0.21
ARAMITE	140-57-8	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.18	1.03	J	0.21	ND	1.04		0.21	ND	1.06		0.21
BENZO(A)PYRENE	50-32-8	3.8	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.57	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.66	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	**0.64**	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	**0.76**	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	0.27	1.08	J	1.1	0.29	1.05	JB	1	0.14	1.03	J	1	ND	1.03		1	0.42	1.03	J	1	0.22	1.04	J	1	0.73	1.06	J	1.1
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.063	1.03	J	0.21	ND	1.04		0.21	ND	1.06		0.21
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	ND	1.08		1.1	ND	1.05		1	0.4	1.03	J	1	0.3	1.03	J	1	0.52	1.03	J	1	7.5	1.04		1	ND	1.06		1.1
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.08		4.3	ND	1.05		4.2	ND	1.03		4.1	ND	1.03		4.1	ND	1.03		4.1	ND	1.04		4.2	ND	1.06		4.2

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW1-26-27				MW1-27-19				MW1-28-74				MW2-1-22				MW2-3-33				MW3-12-31				MW3-2-27			
			Sample ID	MW1-26-27_10-08-N				MW1-27-19_10-08-N				MW1-28-74_10-08-N				MW2-1-22_10-08-N				MW2-3-33_10-08-N				MW3-12-31_10-08-N				MW3-2-27_10-08-N			
			Sample Date	10/16/2008				10/20/2008				10/15/2008				10/16/2008				10/16/2008				10/16/2008				10/16/2008			
			Lab Id	C8J180168008				C8J220361002				C8J160299017				C8J180168012				C8J180168005				C8J180168013				C8J180168033			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.24	1.03	J	1	ND	1.04		1	ND	1.06		1.1
CHRYSENE	218-01-9	1.9	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.2	1.03	J	0.21	ND	1.04		0.21	ND	1.06		0.21
CYGON	60-51-5	20000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
DIALLATE	2303-16-4	1000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	**0.95**	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
DIBENZOFURAN	132-64-9	5	ug/l	ND	1.08		1.1	0.057	1.05	J	1	ND	1.03		1	ND	1.03		1	0.12	1.03	J	1	0.13	1.04	J	1	0.06	1.06	J	1.1
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.28	1.03	J	1	ND	1.04		1	ND	1.06		1.1
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.08		1.1	ND	1.05		1	0.13	1.03	J	1	ND	1.03		1	0.18	1.03	J	1	ND	1.04		1	ND	1.06		1.1
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	0.1	1.08	J	1.1	0.32	1.05	JB	1	0.064	1.03	J	1	0.074	1.03	J	1	0.28	1.03	J	1	0.067	1.04	J	1	0.081	1.06	J	1.1
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	ND	1.08		1.1	ND	1.05		1	0.46	1.03	J	1	ND	1.03		1	0.6	1.03	J	1	ND	1.04		1	ND	1.06		1.1
DISULFOTON	298-04-4	30	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
FAMPHUR	52-85-7	5	ug/l	3.5	1.08	J	***11***	ND	1.05		***10***	ND	1.03		***10***	ND	1.03		***10***	ND	1.03		***10***	ND	1.04		***10***	ND	1.06		***11***
FLUORANTHENE	206-44-0	260	ug/l	ND	1.08		0.22	0.47	1.05		0.21	ND	1.03		0.21	0.39	1.03		0.21	0.52	1.03		0.21	0.48	1.04		0.21	0.5	1.06		0.21
FLUORENE	86-73-7	1900	ug/l	ND	1.08		0.22	0.42	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.11	1.03	J	0.21	0.11	1.04	J	0.21	0.12	1.06	J	0.21
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.9	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
ISODRIN	465-73-6	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
ISOSAFROLE	120-58-1	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.08		***1.1***	ND	1.05		***1***	ND	1.03		***1***	ND	1.03		***1***	ND	1.03		***1***	ND	1.04		***1***	ND	1.06		***1.1***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
METHYL PARATHION	298-00-0	200	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
NAPHTHALENE	91-20-3	30000	ug/l	0.1	1.08	J	0.22	0.067	1.05	J	0.21	0.28	1.03		0.21	ND	1.03		0.21	0.11	1.03	J	0.21	0.55	1.04		0.21	0.27	1.06		0.21
NITROBENZENE	98-95-3	51000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	0.17	1.04	J	0.21	ND	1.06		0.21
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.08		***1.1***	ND	1.05		***1***	ND	1.03		***1***	ND	1.03		***1***	ND	1.03		***1***	ND	1.04		***1***	ND	1.06		***1.1***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.06		0.21
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.08		0.22	ND	1.05		0.21	ND	1.03		0.21	ND	1.03		0.21	0.2	1.03	J	0.21	ND	1.04		0.21	ND	1.06		0.21
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	2.8	1.06		1.1
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.68	1.03	J	1	ND	1.04		1	ND	1.06		1.1
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
PENTACHLOROPHENOL	87-86-5	1000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	0.63	1.03	J	1	1.2	1.04		1	ND	1.06		1.1
PHENACETIN	62-44-2	760000	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
PHENANTHRENE	85-01-8	1100	ug/l	0.16	1.08	JB	0.22	0.095	1.05	J	0.21	0.1	1.03	JB	0.21	0.14	1.03	JB	0.21	0.29	1.03	B	0.21	0.43	1.04	B	0.21	0.58	1.06	B	0.21
PHENOL	108-95-2	400000	ug/l	ND	1.08		0.22	ND	1.05		0.21	0.15	1.03	J	0.21	ND	1.03		0.21	0.21	1.03		0.21	0.22	1.04		0.21	ND	1.06		0.21
PHORATE	298-02-2	4.1	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.08		5.4	ND	1.05		5.2	ND	1.03		5.2	ND	1.03		5.2	0.4	1.03	J	5.2	ND	1.04		5.2	ND	1.06		5.3
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.08		43	ND	1.05		42	ND	1.03		41	ND	1.03		41	ND	1.03		41	ND	1.04		42	ND	1.06		42
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
PYRENE	129-00-0	130	ug/l	ND	1.08		0.22	0.14	1.05	J	0.21	ND	1.03		0.21	ND	1.03		0.21	0.22	1.03		0.21	0.12	1.04	J	0.21	0.53	1.06		0.21
PYRIDINE	110-86-1	200	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	0.37	1.04	J	1	ND	1.06		1.1
SAFROLE	94-59-7	NS	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
SULFOTEP	3689-24-5	10	ug/l	ND	1.08		1.1	ND	1.05		1	ND	1.03		1	ND	1.03		1	ND	1.03		1	ND	1.04		1	ND	1.06		1.1
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.15	1	JB	2	0.22	1	B	2	0.2	1	B	2	0.37	1	JB	2	0.26	1	JB	2	0.14	1	JB	2	0.11	1	JB	2
ARSENIC	7440-38-2	50000	ug/l	0.87	1	B	1	0.8	1	B	1	0.38	1	JB	1	1.3	1		1	0.35	1	B	1	0.46	1	B	1	15.8	1		1
BARIUM	7440-39-3	2000000	ug/l	10.5	1		10	105	1		10	3.1	1	B	10	36.3	1		10	20.3	1		10	17.4	1		10	111	1		10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	0.16	1	JB	1	ND	1		1	ND	1		1	ND	1		1	0.45	1	JB	1	0.21	1	JB	1	ND	1		1
CHROMIUM	7440-47-3	100000	ug/l	2.9	1	J	2	5.8	1	J	2	5.1	1	J	2	4.9	1	J	2	3.7	1	J	2	4	1	J	2	3.3	1	J	2
COBALT	7440-48-4	2000000	ug/l	0.69	1		0.5	0.42	1	B	0.5	3.6	1		0.5	0.19	1	B	0.5	1.2	1		0.5	0.28	1	B	0.5	0.8	1		0.5
COPPER	7440-50-8	1000000	ug/l	1.1	1	B	2	0.52	1	B	2	1.5	1	B	2	1.2	1	B	2	1.9	1	B	2	3.6	1		2	0.4	1	B	2
LEAD	7439-92-1	5000	ug/l	0.15	1	B	1	0.025	1	B	1	ND	1		1	0.22	1	B	1	0.66	1	B	1	0.4	1	B	1	0.43	1	B	1
MERCURY	7439-97-6	2000	ug/l	0.032	1	JB	0.2	ND	1		0.2	0.043	1	JB	0.2	0.036	1	JB	0.2	0.038	1	JB	0.2	0.067	1	JB	0.2	0.037	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	2.6	1		1	1.2	1		1	11.2	1		1	0.71	1	B	1	4.1	1		1	6.6	1		1	2.6	1		1
SELENIUM	7782-49-2	50000	ug/l	ND	1		5	0.56	1	B	5	1.1	1	JB	5	6.3	1		5	0.94	1	B	5	ND	1		5	0.77	1	B	5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	0.029	1	JB	1	0.081	1	B	1	0.072	1	B	1	ND	1		1	0.038	1	JB	1	ND	1		1	ND	1		1
TIN	7440-31-5	61000000	ug/l	3.9	1	JB	5	5.9	1	J	5	3.9	1	JB	5	5.3	1	J	5	5.2	1	J	5	4.9	1	JB	5	4.5	1	JB	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	ND	1		1	0.74	1	B	1	ND	1		1	1.4	1		1	ND	1		1	1.8	1		1	1.5	1		1
ZINC	7440-66-6	2000000	ug/l	5.6	1		5	5.2	1	J	5	8.6	1		5	7.1	1		5	13.2	1		5	14.8	1		5	6.7	1		5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW3-29-29				MW3-34-28				MW3-41-29				MW4-10-23				MW4-11-33				MW4-14-36				MW4-2-24			
			Sample ID	MW3-29-29_10-08-N				MW3-34-28_10-08-N				MW3-41-29_10-08-N				MW4-10-23_10-08-N				MW4-11-33_10-08-N				MW4-14-36_10-08-N				MW4-2-24_10-08-N			
			Sample Date	10/16/2008				10/16/2008				10/16/2008				10/17/2008				10/15/2008				10/17/2008				10/16/2008			
			Lab Id	C8J180168015				C8J180168016				C8J180168014				C8J180168022				C8J180168003				C8J180168019				C8J180168011			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	2.6	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.39	1	J	1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	ND	1		5	ND	1		5	ND	1		5	3	1	J	5	ND	1		5	3.5	1	J	5	3.3	1	J	5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	1.4	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.06		2.1	ND	1.08		2.2	ND	1.05		2.1	ND	1.06		2.1	ND	1.02		2	ND	1.04		2.1	ND	1.05		2.1
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.4	1	J	1	ND	1		1	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	2.7	1		1	ND	1		1	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW3-29-29				MW3-34-28				MW3-41-29				MW4-10-23				MW4-11-33				MW4-14-36				MW4-2-24			
			Sample ID	MW3-29-29_10-08-N				MW3-34-28_10-08-N				MW3-41-29_10-08-N				MW4-10-23_10-08-N				MW4-11-33_10-08-N				MW4-14-36_10-08-N				MW4-2-24_10-08-N			
			Sample Date	10/16/2008				10/16/2008				10/16/2008				10/17/2008				10/15/2008				10/17/2008				10/16/2008			
			Lab Id	C8J180168015				C8J180168016				C8J180168014				C8J180168022				C8J180168003				C8J180168019				C8J180168011			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	0.062	1.02	J	0.2	ND	1.04		0.21	ND	1.05		0.21
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	0.079	1.02	J	0.2	ND	1.04		0.21	ND	1.05		0.21
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.06		0.21	ND	1.08		0.22	0.085	1.05	J	0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	0.36	1.06	J	1.1	ND	1.08		1.1	0.28	1.05	J	1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	0.07	1.06	J	1.1	ND	1.08		1.1	0.13	1.05	J	1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.06		0.21	ND	1.08		0.22	0.058	1.05	J	0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	0.033	1.04	J	1	0.072	1.05	J	1
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.06		5.3	ND	1.08		5.4	ND	1.05		5.2	ND	1.06		5.3	ND	1.02		5.1	ND	1.04		5.2	ND	1.05		5.2
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	0.71	1.06	J	1.1	ND	1.08		1.1	0.71	1.05	J	1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	0.02	1.04	J	0.21	ND	1.05		0.21
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	0.029	1.04	JB	0.21	ND	1.05		0.21
2-METHYLPHENOL	95-48-7	510000	ug/l	0.13	1.06	J	1.1	ND	1.08		1.1	0.16	1.05	J	1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
2-NITROANILINE	88-74-4	5.8	ug/l	ND	1.06		5.3	ND	1.08		5.4	ND	1.05		5.2	ND	1.06		5.3	ND	1.02		5.1	0.028	1.04	J	5.2	ND	1.05		5.2
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.06		11	ND	1.08		11	ND	1.05		10	ND	1.06		11	ND	1.02		10	ND	1.04		10	ND	1.05		10
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	0.56	1.06	J	1.1	ND	1.08		1.1	0.37	1.05	J	1	ND	1.06		1.1	ND	1.02		1	0.043	1.04	J	1	ND	1.05		1
3-NITROANILINE	99-09-2	5.8	ug/l	ND	1.06		5.3	ND	1.08		5.4	ND	1.05		5.2	ND	1.06		5.3	ND	1.02		5.1	ND	1.04		5.2	ND	1.05		5.2
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.06		***5.3***	ND	1.08		***5.4***	ND	1.05		***5.2***	ND	1.06		***5.3***	ND	1.02		***5.1***	ND	1.04		***5.2***	ND	1.05		***5.2***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
4-NITROPHENOL	100-02-7	60000	ug/l	ND	1.06		5.3	ND	1.08		5.4	ND	1.05		5.2	ND	1.06		5.3	ND	1.02		5.1	ND	1.04		5.2	ND	1.05		5.2
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.06		***11***	ND	1.08		***11***	ND	1.05		***10***	ND	1.06		***11***	ND	1.02		***10***	ND	1.04		***10***	ND	1.05		***10***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.06		11	ND	1.08		11	ND	1.05		10	ND	1.06		11	ND	1.02		10	ND	1.04		10	ND	1.05		10
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
ACENAPHTHENE	83-32-9	3800	ug/l	0.42	1.06		0.21	ND	1.08		0.22	0.082	1.05	J	0.21	ND	1.06		0.21	0.062	1.02	J	0.2	0.042	1.04	JB	0.21	ND	1.05		0.21
ACENAPHTHYLENE	208-96-8	16000	ug/l	0.47	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	0.023	1.04	J	0.21	ND	1.05		0.21
ACETOPHENONE	98-86-2	10000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
ANILINE	62-53-3	5.8	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
ANTHRACENE	120-12-7	66	ug/l	ND	1.06		0.21	ND	1.08		0.22	0.13	1.05	J	0.21	ND	1.06		0.21	0.055	1.02	J	0.2	0.046	1.04	J	0.21	ND	1.05		0.21
ARAMITE	140-57-8	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
BENZO(A)PYRENE	50-32-8	3.8	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	ND	1.06		0.21	0.64	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	0.26	1.06	J	1.1	0.27	1.08	J	1.1	0.47	1.05	J	1	ND	1.06		1.1	0.24	1.02	J	1	ND	1.04		1	0.26	1.05	J	1
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	0.93	1.06	J	1.1	ND	1.08		1.1	2.1	1.05		1	ND	1.06		1.1	0.33	1.02	J	1	1.9	1.04		1	0.66	1.05	J	1
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.06		4.2	ND	1.08		4.3	ND	1.05		4.2	ND	1.06		4.2	ND	1.02		4.1	ND	1.04		4.2	ND	1.05		4.2

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW3-29-29				MW3-34-28				MW3-41-29				MW4-10-23				MW4-11-33				MW4-14-36				MW4-2-24			
			Sample ID	MW3-29-29_10-08-N				MW3-34-28_10-08-N				MW3-41-29_10-08-N				MW4-10-23_10-08-N				MW4-11-33_10-08-N				MW4-14-36_10-08-N				MW4-2-24_10-08-N			
			Sample Date	10/16/2008				10/16/2008				10/16/2008				10/17/2008				10/15/2008				10/17/2008				10/16/2008			
			Lab Id	C8J180168015				C8J180168016				C8J180168014				C8J180168022				C8J180168003				C8J180168019				C8J180168011			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
CHRYSENE	218-01-9	1.9	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
CYGON	60-51-5	20000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
DIALLATE	2303-16-4	1000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
DIBENZOFURAN	132-64-9	5	ug/l	0.19	1.06	J	1.1	ND	1.08		1.1	0.084	1.05	J	1	ND	1.06		1.1	ND	1.02		1	0.056	1.04	JB	1	ND	1.05		1
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	0.087	1.04	J	1	ND	1.05		1
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	ND	1.06		1.1	0.071	1.08	J	1.1	0.13	1.05	J	1	ND	1.06		1.1	ND	1.02		1	0.063	1.04	J	1	0.099	1.05	J	1
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	0.5	1.06	J	1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	0.49	1.05	J	1
DISULFOTON	298-04-4	30	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
FAMPHUR	52-85-7	5	ug/l	ND	1.06		***11***	ND	1.08		***11***	ND	1.05		***10***	ND	1.06		***11***	ND	1.02		***10***	ND	1.04		***10***	ND	1.05		***10***
FLUORANTHENE	206-44-0	260	ug/l	0.43	1.06		0.21	0.42	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	0.4	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
FLUORENE	86-73-7	1900	ug/l	0.067	1.06	J	0.21	ND	1.08		0.22	0.15	1.05	J	0.21	ND	1.06		0.21	ND	1.02		0.2	0.053	1.04	JB	0.21	ND	1.05		0.21
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
HEXACHLOROBENZENE	118-74-1	6	ug/l	0.29	1.06		0.21	ND	1.08		0.22	0.2	1.05	J	0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
ISODRIN	465-73-6	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
ISOSAFROLE	120-58-1	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.06		0.21	ND	1.08		0.22	0.066	1.05	J	0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.06		***1.1***	ND	1.08		***1.1***	ND	1.05		***1***	ND	1.06		***1.1***	ND	1.02		***1***	ND	1.04		***1***	ND	1.05		***1***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
METHYL PARATHION	298-00-0	200	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
NAPHTHALENE	91-20-3	30000	ug/l	0.056	1.06	J	0.21	0.11	1.08	J	0.22	ND	1.05		0.21	ND	1.06		0.21	0.09	1.02	J	0.2	0.056	1.04	J	0.21	ND	1.05		0.21
NITROBENZENE	98-95-3	51000	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.06		***1.1***	ND	1.08		***1.1***	ND	1.05		***1***	ND	1.06		***1.1***	ND	1.02		***1***	ND	1.04		***1***	ND	1.05		***1***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.06		0.21	ND	1.08		0.22	ND	1.05		0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
PENTACHLOROPHENOL	87-86-5	1000	ug/l	0.53	1.06	J	1.1	ND	1.08		1.1	1	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
PHENACETIN	62-44-2	760000	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
PHENANTHRENE	85-01-8	1100	ug/l	0.14	1.06	JB	0.21	0.14	1.08	JB	0.22	0.2	1.05	JB	0.21	ND	1.06		0.21	0.12	1.02	JB	0.2	0.11	1.04	JB	0.21	0.13	1.05	JB	0.21
PHENOL	108-95-2	400000	ug/l	0.096	1.06	J	0.21	0.15	1.08	J	0.22	ND	1.05		0.21	ND	1.06		0.21	0.035	1.02	J	0.2	ND	1.04		0.21	ND	1.05		0.21
PHORATE	298-02-2	4.1	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.06		5.3	ND	1.08		5.4	ND	1.05		5.2	ND	1.06		5.3	ND	1.02		5.1	ND	1.04		5.2	ND	1.05		5.2
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.06		42	ND	1.08		43	ND	1.05		42	ND	1.06		42	ND	1.02		41	ND	1.04		42	ND	1.05		42
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
PYRENE	129-00-0	130	ug/l	0.062	1.06	J	0.21	0.065	1.08	J	0.22	0.078	1.05	J	0.21	ND	1.06		0.21	ND	1.02		0.2	ND	1.04		0.21	ND	1.05		0.21
PYRIDINE	110-86-1	200	ug/l	0.15	1.06	J	1.1	ND	1.08		1.1	0.18	1.05	J	1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
SAFROLE	94-59-7	NS	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
SULFOTEP	3689-24-5	10	ug/l	ND	1.06		1.1	ND	1.08		1.1	ND	1.05		1	ND	1.06		1.1	ND	1.02		1	ND	1.04		1	ND	1.05		1
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.07	1	JB	2	0.1	1	JB	2	0.061	1	JB	2	0.28	1	JB	2	ND	1		2	ND	1		2	0.085	1	JB	2
ARSENIC	7440-38-2	50000	ug/l	1.4	1		1	1.5	1		1	2.9	1		1	13.2	1		1	ND	1		1	0.64	1	B	1	33.2	1		1
BARIUM	7440-39-3	2000000	ug/l	56.8	1		10	31.6	1		10	28.1	1		10	44	1		10	45.2	1		10	5.4	1	B	10	316	1		10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	57.5	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	ND	1		1	0.29	1	JB	1	0.2	1	JB	1	0.18	1	B	1	13.6	1	J	1	0.22	1	JB	1	ND	1		1
CHROMIUM	7440-47-3	100000	ug/l	3.1	1	J	2	3.8	1	J	2	3.7	1	J	2	4.2	1	J	2	8.2	1	J	2	5	1	J	2	2.9	1	J	2
COBALT	7440-48-4	2000000	ug/l	0.47	1	B	0.5	0.88	1		0.5	2.4	1		0.5	0.55	1		0.5	371	1		0.5	0.23	1	B	0.5	0.6	1		0.5
COPPER	7440-50-8	1000000	ug/l	0.88	1	B	2	1.5	1	B	2	0.6	1	B	2	0.65	1	B	2	165	1		2	1.4	1	B	2	0.47	1	B	2
LEAD	7439-92-1	5000	ug/l	0.29	1	B	1	0.25	1	B	1	0.42	1	B	1	0.12	1	B	1	3.5	1		1	0.51	1	B	1	0.54	1	B	1
MERCURY	7439-97-6	2000	ug/l	0.046	1	JB	0.2	0.035	1	JB	0.2	0.04	1	JB	0.2	0.041	1	JB	0.2	0.046	1	JB	0.2	0.033	1	JB	0.2	0.029	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	1.6	1		1	1.3	1		1	2	1		1	2.9	1		1	430	1		1	1.3	1		1	0.97	1	B	1
SELENIUM	7782-49-2	50000	ug/l	1.6	1	B	5	1.8	1	B	5	1.7	1	B	5	0.49	1	B	5	12.2	1		5	0.44	1	B	5	1.1	1	B	5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	ND	1		1	0.035	1	JB	1	0.024	1	JB	1	0.031	1	B	1	0.9	1	JB	1	ND	1		1	ND	1		1
TIN	7440-31-5	61000000	ug/l	3.8	1	JB	5	3.6	1	JB	5	3.9	1	JB	5	10	1	J	5	4.1	1	JB	5	2.7	1	JB	5	3.5	1	JB	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	ND	1		1	ND	1		1	ND	1		1	1.3	1		1	12.3	1		1	ND	1		1	0.12	1	B	1
ZINC	7440-66-6	2000000	ug/l	8.2	1		5	8	1		5	14.4	1		5	9.1	1		5	1280	1		5	9.7	1		5	8.3	1		5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW4-30-63				MW4-33-25				MW5-11-27				MW5-12-27				MW5-12-27				MW5-18-26				MW5-21-20				MW5-22-32			
			Sample ID	MW4-30-63_10-08-N				MW4-33-25_10-08-N				MW5-11-27_10-08-N				MW5-12-27_10-08-N				DUP002_10-08-N				MW5-18-26_10-08-N				MW5-21-20_10-08-N				MW5-22-32_10-08-N			
			Sample Date	10/20/2008				10/16/2008				10/14/2008				10/16/2008				10/16/2008				10/15/2008				10/17/2008				10/17/2008			
			Lab Id	C8J220361009				C8J180168009				C8J160299013				C8J180168017				C8J180168018				C8J160299008				C8J180168028				C8J180168029			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND			1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	1.1	1	J	5	ND	1		5	0.86	1	J	5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	4.1	1	J	5	8.6	1		5	ND	1		5	3.5	1	J	5	3.3	1	J	5	66	1		5	ND	1		5	ND	1		5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	2	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	0.31	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.18		2.4	ND	1.22		2.4	ND	1.04		2.1	ND	1.08		2.2	ND	1.09		2.2	ND	1.05		2.1	ND	1.19		2.4	ND	1.18		2.4
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.42	1	J	1	ND	1		1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	0.73	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW4-30-63				MW4-33-25				MW5-11-27				MW5-12-27				MW5-12-27				MW5-18-26				MW5-21-20				MW5-22-32			
			Sample ID	MW4-30-63_10-08-N				MW4-33-25_10-08-N				MW5-11-27_10-08-N				MW5-12-27_10-08-N				DUP002_10-08-N				MW5-18-26_10-08-N				MW5-21-20_10-08-N				MW5-22-32_10-08-N			
			Sample Date	10/20/2008				10/16/2008				10/14/2008				10/16/2008				10/16/2008				10/15/2008				10/17/2008				10/17/2008			
			Lab Id	C8J220361009				C8J180168009				C8J160299013				C8J180168017				C8J180168018				C8J160299008				C8J180168028				C8J180168029			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	0.84	1.05	J	1	ND	1.19		1.2	ND	1.18		1.2
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.18		5.9	ND	1.22		6.1	ND	1.04		5.2	ND	1.08		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.19		6	ND	1.18		5.9
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	0.1	1.05	J	0.21	ND	1.19		0.24	ND	1.18		0.24
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	1.1	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
2-NITROANILINE	88-74-4	5.8	ug/l	ND	1.18		***5.9***	ND	1.22		***6.1***	ND	1.04		5.2	ND	1.08		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.19		***6***	ND	1.18		***5.9***
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.18		12	ND	1.22		12	ND	1.04		10	ND	1.08		11	ND	1.09		11	ND	1.05		10	ND	1.19		12	ND	1.18		12
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	0.15	1.05	J	1	ND	1.19		1.2	ND	1.18		1.2
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	5	1.05		1	ND	1.19		1.2	ND	1.18		1.2
3-NITROANILINE	99-09-2	5.8	ug/l	ND	1.18		***5.9***	ND	1.22		***6.1***	ND	1.04		5.2	ND	1.08		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.19		***6***	ND	1.18		***5.9***
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.18		***5.9***	ND	1.22		***6.1***	ND	1.04		***5.2***	ND	1.08		***5.4***	ND	1.09		***5.4***	ND	1.05		***5.2***	ND	1.19		***6***	ND	1.18		***5.9***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
4-NITROPHENOL	100-02-7	60000	ug/l	ND	1.18		5.9	ND	1.22		6.1	ND	1.04		5.2	ND	1.08		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.19		6	ND	1.18		5.9
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.18		***12***	ND	1.22		***12***	ND	1.04		***10***	ND	1.08		***11***	ND	1.09		***11***	ND	1.05		***10***	ND	1.19		***12***	ND	1.18		***12***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.18		12	ND	1.22		12	ND	1.04		10	ND	1.08		11	ND	1.09		11	ND	1.05		10	ND	1.19		12	ND	1.18		12
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.18		0.24	2.7	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	0.18	1.05	J	0.21	ND	1.19		0.24	0.023	1.18	JB	0.24
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
ACETOPHENONE	98-86-2	10000	ug/l	0.072	1.18	J	1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	0.15	1.05	J	1	ND	1.19		1.2	ND	1.18		1.2
ANILINE	62-53-3	5.8	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
ANTHRACENE	120-12-7	66	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	0.022	1.18	J	0.24
ARAMITE	140-57-8	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
BENZO(A)PYRENE	50-32-8	3.8	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	0.96	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	**0.8**	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	ND	1.18		1.2	0.4	1.22	J	1.2	0.35	1.04	J	1	0.28	1.08	J	1.1	0.33	1.09	J	1.1	0.18	1.05	J	1	0.18	1.19	J	1.2	ND	1.18		1.2
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	ND	1.18		1.2	ND	1.22		1.2	1.3	1.04		1	0.38	1.08	J	1.1	ND	1.09		1.1	0.4	1.05	J	1	1.4	1.19		1.2	1.4	1.18		1.2
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.18		4.7	ND	1.22		4.9	ND	1.04		4.2	ND	1.08		4.3	ND	1.09		4.4	ND	1.05		4.2	ND	1.19		4.8	ND	1.18		4.7

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW4-30-63				MW4-33-25				MW5-11-27				MW5-12-27				MW5-12-27				MW5-18-26				MW5-21-20				MW5-22-32			
			Sample ID	MW4-30-63_10-08-N				MW4-33-25_10-08-N				MW5-11-27_10-08-N				MW5-12-27_10-08-N				DUP002_10-08-N				MW5-18-26_10-08-N				MW5-21-20_10-08-N				MW5-22-32_10-08-N			
			Sample Date	10/20/2008				10/16/2008				10/14/2008				10/16/2008				10/16/2008				10/15/2008				10/17/2008				10/17/2008			
			Lab Id	C8J220361009				C8J180168009				C8J160299013				C8J180168017				C8J180168018				C8J160299008				C8J180168028				C8J180168029			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
CHRYSENE	218-01-9	1.9	ug/l	0.14	1.18	J	0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
CYGON	60-51-5	20000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
DIALLATE	2303-16-4	1000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
DIBENZOFURAN	132-64-9	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	0.095	1.05	J	1	ND	1.19		1.2	0.026	1.18	JB	1.2
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.18		1.2	ND	1.22		1.2	0.27	1.04	J	1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	0.12	1.18	J	1.2
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	5.9	1.18	B	1.2	ND	1.22		1.2	0.3	1.04	J	1	ND	1.08		1.1	0.058	1.09	J	1.1	0.21	1.05	J	1	0.091	1.19	J	1.2	ND	1.18		1.2
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	0.77	1.18	J	1.2	ND	1.22		1.2	0.47	1.04	J	1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
DISULFOTON	298-04-4	30	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
FAMPHUR	52-85-7	5	ug/l	ND	1.18		***12***	ND	1.22		***12***	ND	1.04		***10***	ND	1.08		***11***	ND	1.09		***11***	ND	1.05		***10***	ND	1.19		***12***	ND	1.18		***12***
FLUORANTHENE	206-44-0	260	ug/l	ND	1.18		0.24	0.49	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
FLUORENE	86-73-7	1900	ug/l	0.44	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	0.11	1.05	J	0.21	ND	1.19		0.24	0.026	1.18	JB	0.24
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	1	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
ISODRIN	465-73-6	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
ISOSAFROLE	120-58-1	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.18		***1.2***	ND	1.22		***1.2***	ND	1.04		***1***	ND	1.08		***1.1***	ND	1.09		***1.1***	ND	1.05		***1***	ND	1.19		***1.2***	ND	1.18		***1.2***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
METHYL PARATHION	298-00-0	200	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
NAPHTHALENE	91-20-3	30000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	0.055	1.09	J	0.22	1	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
NITROBENZENE	98-95-3	51000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.18		***1.2***	ND	1.22		***1.2***	ND	1.04		***1***	ND	1.08		***1.1***	ND	1.09		***1.1***	ND	1.05		***1***	ND	1.19		***1.2***	ND	1.18		***1.2***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.18		0.24	ND	1.22		0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
PENTACHLOROPHENOL	87-86-5	1000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
PHENACETIN	62-44-2	760000	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
PHENANTHRENE	85-01-8	1100	ug/l	0.11	1.18	J	0.24	0.18	1.22	JB	0.24	0.098	1.04	JB	0.21	0.15	1.08	JB	0.22	0.17	1.09	JB	0.22	0.26	1.05	B	0.21	0.072	1.19	J	0.24	0.074	1.18	JB	0.24
PHENOL	108-95-2	400000	ug/l	ND	1.18		0.24	ND	1.22		0.24	0.048	1.04	J	0.21	0.14	1.08	J	0.22	0.084	1.09	J	0.22	31	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
PHORATE	298-02-2	4.1	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.18		***5.9***	ND	1.22		***6.1***	ND	1.04		5.2	ND	1.08		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.19		***6***	ND	1.18		***5.9***
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.18		47	ND	1.22		49	ND	1.04		42	ND	1.08		43	ND	1.09		44	ND	1.05		42	ND	1.19		48	ND	1.18		47
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
PYRENE	129-00-0	130	ug/l	0.093	1.18	J	0.24	0.094	1.22	J	0.24	ND	1.04		0.21	ND	1.08		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.19		0.24	ND	1.18		0.24
PYRIDINE	110-86-1	200	ug/l	ND	1.18		1.2	ND	1.22		1.2	0.16	1.04	J	1	ND	1.08		1.1	ND	1.09		1.1	0.3	1.05	J	1	ND	1.19		1.2	ND	1.18		1.2
SAFROLE	94-59-7	NS	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
SULFOTEP	3689-24-5	10	ug/l	ND	1.18		1.2	ND	1.22		1.2	ND	1.04		1	ND	1.08		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.19		1.2	ND	1.18		1.2
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.11	1	B	2	0.21	1	JB	2	0.12	1	B	2	ND	1		2	ND	1		2	0.3	1	B	2	0.087	1	JB	2	0.073	1	JB	2
ARSENIC	7440-38-2	50000	ug/l	0.3	1	B	1	60	1		1	0.82	1	JB	1	0.71	1	B	1	0.5	1	B	1	19	1	J	1	2.4	1		1	1.3	1		1
BARIUM	7440-39-3	2000000	ug/l	12.3	1		10	159	1		10	45.7	1		10	46.5	1		10	46.9	1		10	136	1		10	72.9	1		10	55.3	1		10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	ND	1		1	0.13	1	JB	1	ND	1		1	0.13	1	JB	1	0.17	1	JB	1	ND	1		1	0.11	1	B	1	0.53	1	B	1
CHROMIUM	7440-47-3	100000	ug/l	3.5	1	J	2	2.8	1	J	2	4.8	1	J	2	3.3	1	J	2	3.8	1	J	2	4.3	1	J	2	4	1	J	2	3.6	1	J	2
COBALT	7440-48-4	2000000	ug/l	1	1		0.5	1.1	1		0.5	0.8	1		0.5	0.89	1		0.5	0.9	1		0.5	0.26	1	B	0.5	1.4	1		0.5	0.72	1		0.5
COPPER	7440-50-8	1000000	ug/l	0.49	1	B	2	0.7	1	B	2	1.4	1	B	2	0.81	1	B	2	0.73	1	B	2	0.72	1	B	2	0.88	1	B	2	2.9	1		2
LEAD	7439-92-1	5000	ug/l	0.055	1	B	1	0.45	1	B	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.027	1	B	1	0.31	1	B	1
MERCURY	7439-97-6	2000	ug/l	ND	1		0.2	0.023	1	JB	0.2	0.048	1	JB	0.2	0.046	1	JB	0.2	0.055	1	JB	0.2	0.044	1	JB	0.2	0.055	1	JB	0.2	0.04	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	1.3	1		1	0.95	1	B	1	0.87	1	B	1	1.5	1		1	1.5	1		1	3.1	1		1	1.4	1		1	2.4	1		1
SELENIUM	7782-49-2	50000	ug/l	ND	1		5	0.89	1	B	5	2.1	1	JB	5	0.57	1	B	5	ND	1		5	2.7	1	JB	5	4.2	1	B	5	4.5	1	B	5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	0.098	1	B	1	ND	1		1	ND	1		1	0.043	1	JB	1	0.044	1	JB	1	ND	1		1	ND	1		1	0.039	1	B	1
TIN	7440-31-5	61000000	ug/l	6.2	1	J	5	5.3	1	J	5	3.2	1	JB	5	2.8	1	JB	5	3.5	1	JB	5	3.8	1	JB	5	5.9	1	J	5	6	1	J	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	ND	1		1	0.42	1	B	1	ND	1		1	ND	1		1	ND	1		1	0.7	1	B	1	ND	1		1	ND	1		1
ZINC	7440-66-6	2000000	ug/l	4.3	1	JB	5	9.8	1		5	4.3	1	B	5	5.5	1		5	4.1	1	B	5	3.2	1	B	5	6.9	1		5	15.6	1		5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW5-23-42				MW5-25-27				MW5-25-27				MW5-26-52				MW5-27-17				MW5-28-31			
			Sample ID	MW5-23-42_10-08-N				DUP004-N				MW5-25-27_10-08-N				MW5-26-52_10-08-N				MW5-27-17_10-08-N				MW5-28-31_10-08-N			
			Sample Date	10/17/2008				10/20/2008				10/20/2008				10/20/2008				10/17/2008				10/17/2008			
			Lab Id	C8J180168027				C8J220361010				C8J220361003				C8J220361004				C8J180168025				C8J180168024			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.19		2.4	ND	1.12		2.2	ND	1.19		2.4	ND	1.16		2.3	ND	1.04		2.1	ND	1.05		2.1
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW5-23-42				MW5-25-27				MW5-25-27				MW5-26-52				MW5-27-17				MW5-28-31			
			Sample ID	MW5-23-42_10-08-N				DUP004-N				MW5-25-27_10-08-N				MW5-26-52_10-08-N				MW5-27-17_10-08-N				MW5-28-31_10-08-N			
			Sample Date	10/17/2008				10/20/2008				10/20/2008				10/20/2008				10/17/2008				10/17/2008			
			Lab Id	C8J180168027				C8J220361010				C8J220361003				C8J220361004				C8J180168025				C8J180168024			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.19	1.19	J	1.2	0.099	1.16	J	1.2	ND	1.04		1	ND	1.05		1
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.075	1.19	J	1.2	0.077	1.16	J	1.2	ND	1.04		1	ND	1.05		1
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.19		0.24	ND	1.12		0.22	0.11	1.19	J	0.24	0.085	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.19		6	ND	1.12		5.6	ND	1.19		6	ND	1.16		5.8	ND	1.04		5.2	ND	1.05		5.2
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	0.1	1.16	J	1.2	ND	1.04		1	ND	1.05		1
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.18	1.19	J	1.2	0.064	1.16	J	1.2	ND	1.04		1	ND	1.05		1
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.055	1.19	J	1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.071	1.19	J	1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
2-NITROANILINE	88-74-4	5.8	ug/l	ND	1.19		***6***	ND	1.12		5.6	0.26	1.19	J	***6***	0.18	1.16	J	5.8	ND	1.04		5.2	ND	1.05		5.2
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.19		1.2	0.55	1.12	J	1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.19		12	ND	1.12		11	ND	1.19		12	ND	1.16		12	ND	1.04		10	ND	1.05		10
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.24	1.19	J	1.2	0.2	1.16	J	1.2	ND	1.04		1	ND	1.05		1
3-NITROANILINE	99-09-2	5.8	ug/l	ND	1.19		***6***	0.063	1.12	J	5.6	0.35	1.19	J	***6***	0.2	1.16	J	5.8	ND	1.04		5.2	0.055	1.05	J	5.2
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.19		***6***	ND	1.12		***5.6***	ND	1.19		***6***	ND	1.16		***5.8***	ND	1.04		***5.2***	ND	1.05		***5.2***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.065	1.19	J	1.2	0.072	1.16	J	1.2	ND	1.04		1	ND	1.05		1
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.16	1.19	J	1.2	0.12	1.16	J	1.2	ND	1.04		1	ND	1.05		1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	0.067	1.16	J	1.2	ND	1.04		1	ND	1.05		1
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
4-NITROPHENOL	100-02-7	60000	ug/l	ND	1.19		6	ND	1.12		5.6	1.4	1.19	J	6	0.96	1.16	J	5.8	ND	1.04		5.2	ND	1.05		5.2
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.19		***12***	ND	1.12		***11***	ND	1.19		***12***	ND	1.16		***12***	ND	1.04		***10***	ND	1.05		***10***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.19		12	ND	1.12		11	ND	1.19		12	ND	1.16		12	ND	1.04		10	ND	1.05		10
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
ACETOPHENONE	98-86-2	10000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
ANILINE	62-53-3	5.8	ug/l	ND	1.19		1.2	0.062	1.12	J	1.1	0.11	1.19	J	1.2	0.13	1.16	J	1.2	ND	1.04		1	ND	1.05		1
ANTHRACENE	120-12-7	66	ug/l	ND	1.19		0.24	0.38	1.12		0.22	0.51	1.19		0.24	0.47	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
ARAMITE	140-57-8	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.19		0.24	ND	1.12		0.22	0.28	1.19		0.24	0.21	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
BENZO(A)PYRENE	50-32-8	3.8	ug/l	ND	1.19		0.24	ND	1.12		0.22	0.63	1.19		0.24	0.55	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	ND	1.19		0.24	ND	1.12		0.22	1.1	1.19		0.24	1	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	ND	1.19		0.24	ND	1.12		0.22	**0.9**	1.19		0.24	**0.87**	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.19		0.24	ND	1.12		0.22	**0.7**	1.19		0.24	**0.64**	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	0.2	1.19	J	1.2	0.16	1.12	JB	1.1	0.58	1.19	JB	1.2	0.34	1.16	JB	1.2	0.15	1.04	J	1	0.14	1.05	J	1
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.19		0.24	ND	1.12		0.22	0.089	1.19	J	0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	0.64	1.19	J	1.2	0.87	1.12	J	1.1	0.92	1.19	J	1.2	0.62	1.16	J	1.2	ND	1.04		1	ND	1.05		1
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.19		4.8	ND	1.12		4.5	ND	1.19		4.8	ND	1.16		4.6	ND	1.04		4.2	ND	1.05		4.2

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW5-23-42				MW5-25-27				MW5-25-27				MW5-26-52				MW5-27-17				MW5-28-31			
			Sample ID	MW5-23-42_10-08-N				DUP004-N				MW5-25-27_10-08-N				MW5-26-52_10-08-N				MW5-27-17_10-08-N				MW5-28-31_10-08-N			
			Sample Date	10/17/2008				10/20/2008				10/20/2008				10/20/2008				10/17/2008				10/17/2008			
			Lab Id	C8J180168027				C8J220361010				C8J220361003				C8J220361004				C8J180168025				C8J180168024			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	**Result**	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.19		1.2	ND	1.12		1.1	0.15	1.19	J	1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
CHRYSENE	218-01-9	1.9	ug/l	ND	1.19		0.24	0.061	1.12	J	0.22	0.27	1.19		0.24	0.21	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
CYGON	60-51-5	20000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
DIALLATE	2303-16-4	1000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	**1.2**	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
DIBENZOFURAN	132-64-9	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	0.083	1.16	J	1.2	ND	1.04		1	ND	1.05		1
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	0.077	1.16	J	1.2	ND	1.04		1	ND	1.05		1
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	0.11	1.19	J	1.2	0.16	1.12	JB	1.1	0.31	1.19	JB	1.2	0.3	1.16	JB	1.2	0.14	1.04	J	1	0.081	1.05	J	1
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	0.46	1.19	J	1.2	0.74	1.12	J	1.1	0.93	1.19	J	1.2	0.84	1.16	J	1.2	ND	1.04		1	ND	1.05		1
DISULFOTON	298-04-4	30	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
FAMPHUR	52-85-7	5	ug/l	ND	1.19		***12***	ND	1.12		***11***	ND	1.19		***12***	ND	1.16		***12***	ND	1.04		***10***	ND	1.05		***10***
FLUORANTHENE	206-44-0	260	ug/l	ND	1.19		0.24	0.48	1.12		0.22	0.61	1.19		0.24	0.6	1.16		0.23	0.4	1.04		0.21	0.39	1.05		0.21
FLUORENE	86-73-7	1900	ug/l	ND	1.19		0.24	0.43	1.12		0.22	0.48	1.19		0.24	0.47	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	0.063	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	ND	1.19		0.24	ND	1.12		0.22	1.1	1.19		0.24	1.1	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
ISODRIN	465-73-6	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
ISOSAFROLE	120-58-1	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.19		***1.2***	ND	1.12		***1.1***	ND	1.19		***1.2***	ND	1.16		***1.2***	ND	1.04		***1***	ND	1.05		***1***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
METHYL PARATHION	298-00-0	200	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
NAPHTHALENE	91-20-3	30000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	0.051	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
NITROBENZENE	98-95-3	51000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	ND	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.19		***1.2***	ND	1.12		***1.1***	ND	1.19		***1.2***	ND	1.16		***1.2***	ND	1.04		***1***	ND	1.05		***1***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	0.091	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.19		0.24	ND	1.12		0.22	0.14	1.19	J	0.24	0.089	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.19		1.2	0.079	1.12	J	1.1	0.28	1.19	J	1.2	0.2	1.16	J	1.2	ND	1.04		1	0.076	1.05	J	1
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
PENTACHLOROPHENOL	87-86-5	1000	ug/l	ND	1.19		1.2	ND	1.12		1.1	1	1.19	J	1.2	0.76	1.16	J	1.2	ND	1.04		1	ND	1.05		1
PHENACETIN	62-44-2	760000	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
PHENANTHRENE	85-01-8	1100	ug/l	0.084	1.19	J	0.24	0.085	1.12	J	0.22	0.19	1.19	J	0.24	0.18	1.16	J	0.23	0.097	1.04	J	0.21	0.059	1.05	J	0.21
PHENOL	108-95-2	400000	ug/l	ND	1.19		0.24	ND	1.12		0.22	ND	1.19		0.24	0.13	1.16	J	0.23	ND	1.04		0.21	ND	1.05		0.21
PHORATE	298-02-2	4.1	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.19		***6***	ND	1.12		5.6	0.36	1.19	J	***6***	0.2	1.16	J	5.8	ND	1.04		5.2	ND	1.05		5.2
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.19		48	ND	1.12		45	ND	1.19		48	ND	1.16		46	ND	1.04		42	ND	1.05		42
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
PYRENE	129-00-0	130	ug/l	ND	1.19		0.24	ND	1.12		0.22	0.25	1.19		0.24	0.23	1.16		0.23	ND	1.04		0.21	ND	1.05		0.21
PYRIDINE	110-86-1	200	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	0.24	1.16	J	1.2	ND	1.04		1	ND	1.05		1
SAFROLE	94-59-7	NS	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
SULFOTEP	3689-24-5	10	ug/l	ND	1.19		1.2	ND	1.12		1.1	ND	1.19		1.2	ND	1.16		1.2	ND	1.04		1	ND	1.05		1
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.13	1	JB	2	ND	1		2	0.059	1	B	2	ND	1		2	0.49	1	JB	2	0.087	1	JB	2
ARSENIC	7440-38-2	50000	ug/l	0.9	1	B	1	1.6	1		1	1.1	1		1	2.4	1		1	0.3	1	B	1	ND	1		1
BARIUM	7440-39-3	2000000	ug/l	52.8	1		10	73.6	1		10	73.6	1		10	10.7	1		10	66.4	1		10	57.2	1		10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	0.22	1	B	1	ND	1		1	ND	1		1	ND	1		1	0.18	1	B	1	0.11	1	B	1
CHROMIUM	7440-47-3	100000	ug/l	3.8	1	J	2	3.8	1	J	2	4.7	1	J	2	4.3	1	J	2	4.7	1	J	2	4.3	1	J	2
COBALT	7440-48-4	2000000	ug/l	3.3	1		0.5	0.99	1		0.5	0.95	1		0.5	18.6	1		0.5	1.2	1		0.5	0.62	1		0.5
COPPER	7440-50-8	1000000	ug/l	1.9	1	B	2	0.76	1	B	2	0.92	1	B	2	0.39	1	B	2	1.2	1	B	2	1.7	1	B	2
LEAD	7439-92-1	5000	ug/l	0.58	1	B	1	0.038	1	B	1	0.18	1	B	1	0.24	1	B	1	0.25	1	B	1	0.28	1	B	1
MERCURY	7439-97-6	2000	ug/l	0.062	1	JB	0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	0.037	1	JB	0.2	0.035	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	11.8	1		1	1.6	1		1	2	1		1	8.6	1		1	2	1		1	2.1	1		1
SELENIUM	7782-49-2	50000	ug/l	2.7	1	B	5	1.4	1	B	5	1.2	1	B	5	ND	1		5	1.2	1	B	5	1.1	1	B	5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	0.14	1	B	1	0.05	1	B	1	0.052	1	B	1	0.036	1	B	1	0.073	1	B	1	0.023	1	B	1
TIN	7440-31-5	61000000	ug/l	6.1	1	J	5	3.5	1	JB	5	4.3	1	JB	5	2.8	1	JB	5	11.5	1	J	5	7.8	1	J	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	0.2	1	B	1	ND	1		1	ND	1		1	0.17	1	B	1	0.38	1	B	1	ND	1		1
ZINC	7440-66-6	2000000	ug/l	23.4	1		5	5.5	1	J	5	6.7	1	J	5	15.5	1	J	5	31	1		5	14.2	1		5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW5-29-49				MW5-31-21				MW5-32-31				MW5-33-41				MW5-41-19				MW5-7-24				MW6-12-42			
			Sample ID	MW5-29-49_10-08-N				MW5-31-21_10-08-N				MW5-32-31_10-08-N				MW5-33-41_10-08-N				MW5-41-19_10-08-N				MW5-7-24_10-08-N				MW6-12-42_10-08-N			
			Sample Date	10/17/2008				10/20/2008				10/20/2008				10/20/2008				10/15/2008				10/15/2008				10/17/2008			
			Lab Id	C8J180168023				C8J220361005				C8J220361006				C8J220361007				C8J180168001				C8J180168002				C8J180168021			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		***25***	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		***25***	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	25		***5000***	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	25		120	ND	1		5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	25		1000	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	25		120	ND	1		5
ACETONE	67-64-1	100000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	25		120	2.6	1	J	5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	25		500	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	25		***500***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	25		***500***	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	490	25		25	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		***25***	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	25		***120***	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		***25***	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.04		2.1	ND	1.11		2.2	ND	1.04		2.1	ND	1.03		2.1	ND	1.08		2.2	ND	1		2	ND	1.03		2.1
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	25		***50***	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		***25***	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		25	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	25		***25***	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	25		75	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW5-29-49				MW5-31-21				MW5-32-31				MW5-33-41				MW5-41-19				MW5-7-24				MW6-12-42			
			Sample ID	MW5-29-49_10-08-N				MW5-31-21_10-08-N				MW5-32-31_10-08-N				MW5-33-41_10-08-N				MW5-41-19_10-08-N				MW5-7-24_10-08-N				MW6-12-42_10-08-N			
			Sample Date	10/17/2008				10/20/2008				10/20/2008				10/20/2008				10/15/2008				10/15/2008				10/17/2008			
			Lab Id	C8J180168023				C8J220361005				C8J220361006				C8J220361007				C8J180168001				C8J180168002				C8J180168021			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	0.9	1	J	1	ND	1.03		1
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	2.1	1		1	ND	1.03		1
2,4-DINITROPHENOL	51-28-5	410	ug/l	1.3	1.04	J	5.2	ND	1.11		5.6	ND	1.04		5.2	ND	1.03		5.2	ND	1.08		5.4	ND	1		5	ND	1.03		5.2
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	0.058	1.04	J	1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	0.29	1		0.2	ND	1.03		0.21
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	3	1		1	ND	1.03		1
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	0.62	1	J	1	ND	1.03		1
2-NITROANILINE	88-74-4	5.8	ug/l	0.075	1.04	J	5.2	ND	1.11		5.6	ND	1.04		5.2	ND	1.03		5.2	ND	1.08		5.4	ND	1		5	ND	1.03		5.2
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.04		10	ND	1.11		11	ND	1.04		10	ND	1.03		10	ND	1.08		11	ND	1		10	ND	1.03		10
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	0.11	1.04	J	1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	0.86	1	J	1	ND	1.03		1
3-NITROANILINE	99-09-2	5.8	ug/l	0.12	1.04	J	5.2	ND	1.11		5.6	ND	1.04		5.2	ND	1.03		5.2	ND	1.08		5.4	ND	1		5	ND	1.03		5.2
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.04		***5.2***	ND	1.11		***5.6***	ND	1.04		***5.2***	ND	1.03		***5.2***	ND	1.08		***5.4***	ND	1		5	ND	1.03		***5.2***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
4-NITROPHENOL	100-02-7	60000	ug/l	0.75	1.04	J	5.2	ND	1.11		5.6	ND	1.04		5.2	ND	1.03		5.2	ND	1.08		5.4	ND	1		5	ND	1.03		5.2
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.04		***10***	ND	1.11		***11***	ND	1.04		***10***	ND	1.03		***10***	ND	1.08		***11***	ND	1		***10***	ND	1.03		***10***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.04		10	ND	1.11		11	ND	1.04		10	ND	1.03		10	ND	1.08		11	ND	1		10	ND	1.03		10
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	0.69	1		0.2	ND	1.03		0.21
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	0.59	1		0.2	ND	1.03		0.21
ACETOPHENONE	98-86-2	10000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	0.11	1	J	1	ND	1.03		1
ANILINE	62-53-3	5.8	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	1	1		1	ND	1.03		1
ANTHRACENE	120-12-7	66	ug/l	0.076	1.04	J	0.21	0.38	1.11		0.22	0.34	1.04		0.21	0.38	1.03		0.21	ND	1.08		0.22	0.14	1	J	0.2	ND	1.03		0.21
ARAMITE	140-57-8	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	0.18	1.04	J	0.21	ND	1.11		0.22	ND	1.04		0.21	0.5	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
BENZO(A)PYRENE	50-32-8	3.8	ug/l	0.58	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	0.63	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	0.69	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	1	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	**0.64**	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	**1.1**	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	**0.77**	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	**0.99**	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	0.34	1.04	J	1	ND	1.11		1.1	ND	1.04		1	0.34	1.03	JB	1	0.19	1.08	J	1.1	0.34	1	J	1	ND	1.03		1
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	0.27	1.04	J	1	0.81	1.11	J	1.1	0.8	1.04	J	1	0.89	1.03	J	1	0.59	1.08	J	1.1	0.48	1	J	1	1.5	1.03		1
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.04		4.2	ND	1.11		4.4	ND	1.04		4.2	ND	1.03		4.1	ND	1.08		4.3	ND	1		4	ND	1.03		4.1

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW5-29-49				MW5-31-21				MW5-32-31				MW5-33-41				MW5-41-19				MW5-7-24				MW6-12-42			
			Sample ID	MW5-29-49_10-08-N				MW5-31-21_10-08-N				MW5-32-31_10-08-N				MW5-33-41_10-08-N				MW5-41-19_10-08-N				MW5-7-24_10-08-N				MW6-12-42_10-08-N			
			Sample Date	10/17/2008				10/20/2008				10/20/2008				10/20/2008				10/15/2008				10/15/2008				10/17/2008			
			Lab Id	C8J180168023				C8J220361005				C8J220361006				C8J220361007				C8J180168001				C8J180168002				C8J180168021			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
CHRYSENE	218-01-9	1.9	ug/l	0.19	1.04	J	0.21	ND	1.11		0.22	ND	1.04		0.21	0.67	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
CYGON	60-51-5	20000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
DIALLATE	2303-16-4	1000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	**0.95**	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	**1.4**	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
DIBENZOFURAN	132-64-9	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	0.15	1	J	1	ND	1.03		1
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	0.24	1.04	J	1	0.54	1.11	JB	1.1	0.1	1.04	JB	1	0.92	1.03	JB	1	0.079	1.08	J	1.1	ND	1		1	ND	1.03		1
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	0.8	1.03	J	1	ND	1.08		1.1	ND	1		1	ND	1.03		1
DISULFOTON	298-04-4	30	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
FAMPHUR	52-85-7	5	ug/l	ND	1.04		***10***	ND	1.11		***11***	ND	1.04		***10***	ND	1.03		***10***	ND	1.08		***11***	ND	1		***10***	ND	1.03		***10***
FLUORANTHENE	206-44-0	260	ug/l	0.5	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	0.58	1.03		0.21	ND	1.08		0.22	0.47	1		0.2	ND	1.03		0.21
FLUORENE	86-73-7	1900	ug/l	ND	1.04		0.21	0.41	1.11		0.22	0.38	1.04		0.21	0.39	1.03		0.21	ND	1.08		0.22	0.29	1		0.2	ND	1.03		0.21
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	0.92	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	1.2	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
ISODRIN	465-73-6	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
ISOSAFROLE	120-58-1	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.04		***1***	ND	1.11		***1.1***	ND	1.04		***1***	ND	1.03		***1***	ND	1.08		***1.1***	ND	1		***1***	ND	1.03		***1***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
METHYL PARATHION	298-00-0	200	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
NAPHTHALENE	91-20-3	30000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	22	1		0.2	0.093	1.03	J	0.21
NITROBENZENE	98-95-3	51000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.04		***1***	ND	1.11		***1.1***	ND	1.04		***1***	ND	1.03		***1***	ND	1.08		***1.1***	ND	1		***1***	ND	1.03		***1***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	0.068	1.04	J	0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	ND	1		0.2	ND	1.03		0.21
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	1.3	1		1	ND	1.03		1
P-CHLOROANILINE	106-47-8	410	ug/l	0.086	1.04	J	1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
PENTACHLOROPHENOL	87-86-5	1000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
PHENACETIN	62-44-2	760000	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
PHENANTHRENE	85-01-8	1100	ug/l	0.13	1.04	J	0.21	ND	1.11		0.22	0.067	1.04	J	0.21	0.091	1.03	J	0.21	0.12	1.08	JB	0.22	0.26	1	B	0.2	0.073	1.03	J	0.21
PHENOL	108-95-2	400000	ug/l	ND	1.04		0.21	ND	1.11		0.22	ND	1.04		0.21	ND	1.03		0.21	ND	1.08		0.22	1.3	1		0.2	ND	1.03		0.21
PHORATE	298-02-2	4.1	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
P-NITROANILINE	100-01-6	5.8	ug/l	0.16	1.04	J	5.2	ND	1.11		5.6	ND	1.04		5.2	ND	1.03		5.2	ND	1.08		5.4	ND	1		5	ND	1.03		5.2
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.04		42	ND	1.11		44	ND	1.04		42	ND	1.03		41	ND	1.08		43	ND	1		40	ND	1.03		41
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
PYRENE	129-00-0	130	ug/l	0.18	1.04	J	0.21	ND	1.11		0.22	ND	1.04		0.21	0.24	1.03		0.21	ND	1.08		0.22	0.1	1	J	0.2	ND	1.03		0.21
PYRIDINE	110-86-1	200	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
SAFROLE	94-59-7	NS	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
SULFOTEP	3689-24-5	10	ug/l	ND	1.04		1	ND	1.11		1.1	ND	1.04		1	ND	1.03		1	ND	1.08		1.1	ND	1		1	ND	1.03		1
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.12	1	JB	2	0.18	1	B	2	ND	1		2	ND	1		2	0.25	1	JB	2	0.22	1	JB	2	0.29	1	JB	2
ARSENIC	7440-38-2	50000	ug/l	1.1	1		1	3.8	1		1	ND	1		1	7.1	1		1	0.3	1	B	1	39.6	1		1	0.34	1	B	1
BARIUM	7440-39-3	2000000	ug/l	12.7	1		10	123	1		10	56	1		10	42	1		10	24.3	1		10	56.8	1		10	8	1	B	10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	0.14	1	B	1	0.19	1	B	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.45	1	B	1
CHROMIUM	7440-47-3	100000	ug/l	3.3	1	J	2	3.6	1	J	2	3.4	1	J	2	3.4	1	J	2	4	1	J	2	4.2	1	J	2	4.8	1	J	2
COBALT	7440-48-4	2000000	ug/l	10.1	1		0.5	7.6	1		0.5	1.2	1		0.5	0.25	1	B	0.5	0.21	1	B	0.5	0.25	1	B	0.5	1.8	1		0.5
COPPER	7440-50-8	1000000	ug/l	0.48	1	B	2	0.51	1	B	2	0.81	1	B	2	0.68	1	B	2	0.66	1	B	2	0.57	1	B	2	1.3	1	B	2
LEAD	7439-92-1	5000	ug/l	0.25	1	B	1	0.14	1	B	1	0.19	1	B	1	0.14	1	B	1	0.032	1	B	1	0.15	1	B	1	0.33	1	B	1
MERCURY	7439-97-6	2000	ug/l	0.043	1	JB	0.2	0.019	1	B	0.2	0.024	1	B	0.2	0.02	1	B	0.2	0.028	1	JB	0.2	0.043	1	JB	0.2	0.054	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	5.4	1		1	3.2	1		1	1.5	1		1	0.77	1	B	1	0.54	1	B	1	1.3	1		1	4.1	1		1
SELENIUM	7782-49-2	50000	ug/l	ND	1		5	ND	1		5	ND	1		5	1.1	1	B	5	1.1	1	B	5	1.5	1	B	5	ND	1		5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	0.032	1	B	1	0.019	1	B	1	0.024	1	B	1	ND	1		1	0.099	1	JB	1	0.053	1	JB	1	0.074	1	B	1
TIN	7440-31-5	61000000	ug/l	7.6	1	J	5	3.5	1	JB	5	2.6	1	JB	5	3.2	1	JB	5	6.7	1	J	5	4.8	1	JB	5	10.8	1	J	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	0.3	1	B	1	ND	1		1	0.4	1	B	1	ND	1		1	ND	1		1	ND	1		1	0.28	1	B	1
ZINC	7440-66-6	2000000	ug/l	37.1	1		5	11.9	1	J	5	6.2	1	J	5	7.6	1	J	5	7.2	1		5	4.4	1	B	5	18.9	1		5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW6-20-37				MW6-2-27				MW6-26-20				MW6-4-29				MW6-5-28				MW6-6-24				MW6-8-28			
			Sample ID	MW6-20-37_10-08-N				MW6-2-27_10-08-N				MW6-26-20_10-08-N				MW6-4-29_10-08-N				MW6-5-28_10-08-N				MW6-6-24_10-08-N				MW6-8-28_10-08-N			
			Sample Date	10/17/2008				10/14/2008				10/14/2008				10/15/2008				10/15/2008				10/15/2008				10/15/2008			
			Lab Id	C8J180168020				C8J160299001				C8J160299014				C8J180168004				C8J160299004				C8J160299003				C8J160299002			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	0.26	1	J	1	ND	1		1	ND	1		1	ND	1		1	0.86	1	J	1	0.64	1	J	1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	0.5	1	J	5	ND	1		5	ND	1		5	0.57	1	J	5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	5.5	1		5	3.6	1	J	5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.04		2.1	ND	1.05		2.1	ND	1.04		2.1	ND	1.05		2.1	ND	1.05		2.1	ND	1.08		2.2	ND	1.03		2.1
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.27	1	J	1	0.35	1	J	1	0.51	1	J	1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	0.82	1	J	1	ND	1		1	ND	1		1	1.5	1		1	3	1		1	3.7	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW6-20-37				MW6-2-27				MW6-26-20				MW6-4-29				MW6-5-28				MW6-6-24				MW6-8-28			
			Sample ID	MW6-20-37_10-08-N				MW6-2-27_10-08-N				MW6-26-20_10-08-N				MW6-4-29_10-08-N				MW6-5-28_10-08-N				MW6-6-24_10-08-N				MW6-8-28_10-08-N			
			Sample Date	10/17/2008				10/14/2008				10/14/2008				10/15/2008				10/15/2008				10/15/2008				10/15/2008			
			Lab Id	C8J180168020				C8J160299001				C8J160299014				C8J180168004				C8J160299004				C8J160299003				C8J160299002			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.048	1.05	J	0.21	0.058	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.05		0.21	0.12	1.08	J	0.22	ND	1.03		0.21
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	0.073	1.04	J	0.21	ND	1.05		0.21	0.053	1.04	J	0.21	0.06	1.05	J	0.21	ND	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.44	1.05	J	1	0.32	1.05	J	1	ND	1.08		1.1	ND	1.03		1
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.22	1.05	J	1	0.16	1.05	J	1	ND	1.08		1.1	ND	1.03		1
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.31	1.05		0.21	0.19	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	0.18	1.05	J	1	ND	1.08		1.1	ND	1.03		1
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.04		5.2	ND	1.05		5.2	ND	1.04		5.2	1.6	1.05	J	5.2	1.6	1.05	J	5.2	ND	1.08		5.4	ND	1.03		5.2
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.56	1.05	J	1	0.59	1.05	J	1	ND	1.08		1.1	ND	1.03		1
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.42	1.05	J	1	0.38	1.05	J	1	ND	1.08		1.1	ND	1.03		1
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.14	1.05	J	0.21	0.12	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	0.091	1.05	J	1	ND	1.08		1.1	ND	1.03		1
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.11	1.05	J	0.21	0.096	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.13	1.05	J	1	0.17	1.05	J	1	ND	1.08		1.1	ND	1.03		1
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
2-NITROANILINE	88-74-4	5.8	ug/l	ND	1.04		5.2	ND	1.05		5.2	ND	1.04		5.2	0.62	1.05	J	5.2	0.61	1.05	J	5.2	ND	1.08		5.4	ND	1.03		5.2
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.11	1.05	J	1	0.082	1.05	J	1	ND	1.08		1.1	ND	1.03		1
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.04		10	ND	1.05		10	ND	1.04		10	ND	1.05		10	ND	1.05		10	ND	1.08		11	ND	1.03		10
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.087	1.05	J	1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.52	1.05	J	1	0.52	1.05	J	1	ND	1.08		1.1	ND	1.03		1
3-NITROANILINE	99-09-2	5.8	ug/l	ND	1.04		5.2	ND	1.05		5.2	ND	1.04		5.2	0.58	1.05	J	5.2	0.81	1.05	J	5.2	ND	1.08		5.4	ND	1.03		5.2
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.04		***5.2***	ND	1.05		***5.2***	ND	1.04		***5.2***	ND	1.05		***5.2***	ND	1.05		***5.2***	ND	1.08		***5.4***	ND	1.03		***5.2***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.32	1.05	J	1	0.4	1.05	J	1	ND	1.08		1.1	ND	1.03		1
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.38	1.05	J	1	0.35	1.05	J	1	ND	1.08		1.1	ND	1.03		1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.19	1.05	J	1	0.057	1.05	J	1	ND	1.08		1.1	ND	1.03		1
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
4-NITROPHENOL	100-02-7	60000	ug/l	ND	1.04		5.2	ND	1.05		5.2	ND	1.04		5.2	1.7	1.05	J	5.2	2	1.05	J	5.2	ND	1.08		5.4	ND	1.03		5.2
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.04		***10***	ND	1.05		***10***	ND	1.04		***10***	ND	1.05		***10***	ND	1.05		***10***	ND	1.08		***11***	ND	1.03		***10***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.04		10	ND	1.05		10	ND	1.04		10	ND	1.05		10	ND	1.05		10	ND	1.08		11	ND	1.03		10
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.04		0.21	0.058	1.05	J	0.21	0.067	1.04	J	0.21	0.17	1.05	J	0.21	0.12	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.12	1.05	J	0.21	0.092	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
ACETOPHENONE	98-86-2	10000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	0.12	1.05	J	1	ND	1.08		1.1	ND	1.03		1
ANILINE	62-53-3	5.8	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	0.28	1.05	J	1	ND	1.08		1.1	ND	1.03		1
ANTHRACENE	120-12-7	66	ug/l	ND	1.04		0.21	0.089	1.05	J	0.21	ND	1.04		0.21	0.52	1.05		0.21	0.56	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
ARAMITE	140-57-8	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.04		0.21	0.52	1.05		0.21	0.054	1.04	J	0.21	0.77	1.05		0.21	0.74	1.05		0.21	0.048	1.08	J	0.22	ND	1.03		0.21
BENZO(A)PYRENE	50-32-8	3.8	ug/l	0.59	1.04		0.21	0.33	1.05		0.21	ND	1.04		0.21	0.96	1.05		0.21	0.58	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	ND	1.04		0.21	0.84	1.05		0.21	0.43	1.04		0.21	1.1	1.05		0.21	0.91	1.05		0.21	ND	1.08		0.22	0.38	1.03		0.21
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	**0.63**	1.04		0.21	**0.77**	1.05		0.21	0.25	1.04		0.21	**1.2**	1.05		0.21	**0.95**	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.04		0.21	0.54	1.05		0.21	ND	1.04		0.21	**1.3**	1.05		0.21	**0.72**	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	0.24	1.04	J	1	0.33	1.05	J	1	0.24	1.04	J	1	1.2	1.05		1	1.1	1.05		1	0.73	1.08	J	1.1	0.19	1.03	J	1
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21	0.042	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.19	1.05	J	1	0.18	1.05	J	1	ND	1.08		1.1	ND	1.03		1
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21	0.13	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	1	1.04		1	1.6	1.05		1	0.3	1.04	J	1	1.3	1.05		1	1.2	1.05		1	0.8	1.08	J	1.1	1.2	1.03		1
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.04		4.2	ND	1.05		4.2	ND	1.04		4.2	ND	1.05		4.2	ND	1.05		4.2	ND	1.08		4.3	ND	1.03		4.1

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW6-20-37				MW6-2-27				MW6-26-20				MW6-4-29				MW6-5-28				MW6-6-24				MW6-8-28			
			Sample ID	MW6-20-37_10-08-N				MW6-2-27_10-08-N				MW6-26-20_10-08-N				MW6-4-29_10-08-N				MW6-5-28_10-08-N				MW6-6-24_10-08-N				MW6-8-28_10-08-N			
			Sample Date	10/17/2008				10/14/2008				10/14/2008				10/15/2008				10/15/2008				10/15/2008				10/15/2008			
			Lab Id	C8J180168020				C8J160299001				C8J160299014				C8J180168004				C8J160299004				C8J160299003				C8J160299002			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.38	1.05	J	1	0.45	1.05	J	1	ND	1.08		1.1	ND	1.03		1
CHRYSENE	218-01-9	1.9	ug/l	ND	1.04		0.21	0.62	1.05		0.21	0.049	1.04	J	0.21	0.85	1.05		0.21	0.75	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
CYGON	60-51-5	20000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
DIALLATE	2303-16-4	1000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	**0.97**	1.04		0.21	**0.9**	1.05		0.21	ND	1.04		0.21	**1.3**	1.05		0.21	**1**	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
DIBENZOFURAN	132-64-9	5	ug/l	ND	1.04		1	0.063	1.05	J	1	0.092	1.04	J	1	0.26	1.05	J	1	0.22	1.05	J	1	ND	1.08		1.1	ND	1.03		1
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.63	1.05	J	1	0.63	1.05	J	1	ND	1.08		1.1	ND	1.03		1
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.42	1.05	J	1	0.45	1.05	J	1	ND	1.08		1.1	ND	1.03		1
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	0.12	1.04	J	1	0.19	1.05	J	1	0.14	1.04	J	1	0.82	1.05	J	1	0.87	1.05	J	1	0.1	1.08	J	1.1	0.074	1.03	J	1
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	ND	1.04		1	0.7	1.05	J	1	0.47	1.04	J	1	1.4	1.05		1	1.1	1.05		1	0.47	1.08	J	1.1	ND	1.03		1
DISULFOTON	298-04-4	30	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
FAMPHUR	52-85-7	5	ug/l	ND	1.04		***10***	ND	1.05		***10***	ND	1.04		***10***	ND	1.05		***10***	ND	1.05		***10***	ND	1.08		***11***	ND	1.03		***10***
FLUORANTHENE	206-44-0	260	ug/l	ND	1.04		0.21	0.3	1.05		0.21	0.058	1.04	J	0.21	1.1	1.05		0.21	0.69	1.05		0.21	0.089	1.08	J	0.22	ND	1.03		0.21
FLUORENE	86-73-7	1900	ug/l	ND	1.04		0.21	0.061	1.05	J	0.21	0.078	1.04	J	0.21	0.25	1.05		0.21	0.25	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.27	1.05		0.21	0.33	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	0.86	1.04		0.21	0.84	1.05		0.21	0.42	1.04		0.21	1.3	1.05		0.21	1	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
ISODRIN	465-73-6	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
ISOSAFROLE	120-58-1	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
M-DICHLOROBENZENE	541-73-1	60000	ug/l	0.046	1.04	J	0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	0.35	1.05	J	1	0.47	1.05	J	1	ND	1.08		1.1	ND	1.03		1
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.04		***1***	ND	1.05		***1***	ND	1.04		***1***	ND	1.05		***1***	ND	1.05		***1***	ND	1.08		***1.1***	ND	1.03		***1***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
METHYL PARATHION	298-00-0	200	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
NAPHTHALENE	91-20-3	30000	ug/l	ND	1.04		0.21	0.14	1.05	J	0.21	0.053	1.04	J	0.21	0.13	1.05	J	0.21	0.097	1.05	J	0.21	ND	1.08		0.22	ND	1.03		0.21
NITROBENZENE	98-95-3	51000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.14	1.05	J	0.21	0.21	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.04		***1***	ND	1.05		***1***	ND	1.04		***1***	ND	1.05		***1***	ND	1.05		***1***	ND	1.08		***1.1***	ND	1.03		***1***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	0.24	1.08	J	1.1	ND	1.03		1
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.04		0.21	ND	1.05		0.21	ND	1.04		0.21	0.5	1.05		0.21	0.49	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.04		1	0.054	1.05	J	1	ND	1.04		1	0.4	1.05	J	1	0.51	1.05	J	1	ND	1.08		1.1	ND	1.03		1
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
PENTACHLOROPHENOL	87-86-5	1000	ug/l	ND	1.04		1	ND	1.05		1	0.29	1.04	J	1	0.8	1.05	J	1	0.86	1.05	J	1	ND	1.08		1.1	ND	1.03		1
PHENACETIN	62-44-2	760000	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
PHENANTHRENE	85-01-8	1100	ug/l	0.097	1.04	J	0.21	0.31	1.05	B	0.21	0.18	1.04	JB	0.21	0.72	1.05	B	0.21	0.61	1.05	B	0.21	0.14	1.08	JB	0.22	0.14	1.03	JB	0.21
PHENOL	108-95-2	400000	ug/l	ND	1.04		0.21	0.053	1.05	J	0.21	ND	1.04		0.21	0.32	1.05		0.21	0.28	1.05		0.21	ND	1.08		0.22	ND	1.03		0.21
PHORATE	298-02-2	4.1	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.04		5.2	ND	1.05		5.2	ND	1.04		5.2	0.57	1.05	J	5.2	1	1.05	J	5.2	ND	1.08		5.4	ND	1.03		5.2
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.04		42	ND	1.05		42	ND	1.04		42	ND	1.05		42	ND	1.05		42	ND	1.08		43	ND	1.03		41
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
PYRENE	129-00-0	130	ug/l	ND	1.04		0.21	0.29	1.05		0.21	ND	1.04		0.21	0.98	1.05		0.21	0.79	1.05		0.21	0.1	1.08	J	0.22	ND	1.03		0.21
PYRIDINE	110-86-1	200	ug/l	ND	1.04		1	ND	1.05		1	0.14	1.04	J	1	0.15	1.05	J	1	0.66	1.05	J	1	ND	1.08		1.1	ND	1.03		1
SAFROLE	94-59-7	NS	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
SULFOTEP	3689-24-5	10	ug/l	ND	1.04		1	ND	1.05		1	ND	1.04		1	ND	1.05		1	ND	1.05		1	ND	1.08		1.1	ND	1.03		1
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	ND	1		2	0.31	1	B	2	0.17	1	B	2	ND	1		2	0.36	1	B	2	0.15	1	B	2	0.16	1	B	2
ARSENIC	7440-38-2	50000	ug/l	0.43	1	B	1	0.55	1	JB	1	0.43	1	JB	1	3.9	1		1	0.71	1	JB	1	0.57	1	JB	1	0.52	1	JB	1
BARIUM	7440-39-3	2000000	ug/l	15.3	1		10	34.8	1		10	11.7	1		10	177	1		10	51.5	1		10	34.5	1		10	37	1		10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	0.31	1	JB	1	1.3	1		1	ND	1		1	ND	1		1	ND	1		1	0.56	1	B	1	0.22	1	B	1
CHROMIUM	7440-47-3	100000	ug/l	3.8	1	J	2	3.6	1	J	2	4.4	1	J	2	3.3	1	J	2	4.6	1	J	2	3	1	J	2	3.9	1	J	2
COBALT	7440-48-4	2000000	ug/l	5.2	1		0.5	0.69	1		0.5	ND	1		0.5	1.8	1		0.5	1.5	1		0.5	6.4	1		0.5	1.6	1		0.5
COPPER	7440-50-8	1000000	ug/l	3.5	1		2	4	1		2	0.93	1	B	2	0.49	1	B	2	1.4	1	B	2	1.6	1	B	2	1.9	1	B	2
LEAD	7439-92-1	5000	ug/l	0.25	1	B	1	0.46	1	B	1	ND	1		1	0.076	1	B	1	ND	1		1	ND	1		1	ND	1		1
MERCURY	7439-97-6	2000	ug/l	0.037	1	JB	0.2	0.025	1	JB	0.2	ND	1		0.2	0.034	1	JB	0.2	0.05	1	JB	0.2	0.033	1	JB	0.2	0.023	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	11.6	1		1	3.3	1		1	0.32	1	B	1	1.6	1		1	1.3	1		1	14.6	1		1	2.8	1		1
SELENIUM	7782-49-2	50000	ug/l	ND	1		5	1.6	1	JB	5	2.7	1	JB	5	0.77	1	B	5	2.1	1	JB	5	2	1	JB	5	1.9	1	JB	5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	0.2	1	JB	1	0.099	1	B	1	ND	1		1	0.036	1	JB	1	ND	1		1	0.04	1	B	1	0.049	1	B	1
TIN	7440-31-5	61000000	ug/l	3.3	1	JB	5	8.1	1	J	5	3.9	1	JB	5	4.7	1	JB	5	6.4	1	J	5	5.1	1	J	5	6.4	1	J	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	ND	1		1	0.1	1	B	1	0.47	1	B	1	0.45	1	B	1	ND	1		1	0.58	1	B	1	ND	1		1
ZINC	7440-66-6	2000000	ug/l	22.6	1		5	112	1		5	6	1		5	8.1	1		5	4.2	1	B	5	1720	1		5	69.4	1		5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW7-4-26				MW7-5-28				MW7-9-17				MW7-9-17			
			Sample ID	MW7-4-26_10-08-N				MW7-5-28_10-08-N				MW7-9-17_10-08-N				DUP001_10-08-N			
			Sample Date	10/14/2008				10/14/2008				10/15/2008				10/15/2008			
			Lab Id	C8J160299006				C8J160299007				C8J160299005				C8J160299011			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	ND	1		5	ND	1		5	2.2	1	J	5	2.2	1	J	5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	ND	1		5	ND	1		5	10	1		5	10	1		5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND			
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	0.29	1	J	1	0.35	1	J	1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1.05		2.1	ND	1.04		2.1	ND	1.08		2.2	ND	1.08		2.2
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	0.23	1	J	1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	0.35	1	J	1	0.35	1	J	1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW7-4-26 MW7-4-26_10-08-N 10/14/2008 C8J160299006				MW7-5-28 MW7-5-28_10-08-N 10/14/2008 C8J160299007				MW7-9-17 MW7-9-17_10-08-N 10/15/2008 C8J160299005				MW7-9-17 DUP001_10-08-N 10/15/2008 C8J160299011			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.05		5.2	ND	1.04		5.2	ND	1.08		5.4	ND	1.08		5.4
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
2-NITROANILINE	88-74-4	5.8	ug/l	ND	1.05		5.2	ND	1.04		5.2	ND	1.08		5.4	ND	1.08		5.4
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.05		10	ND	1.04		10	ND	1.08		11	ND	1.08		11
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
3-NITROANILINE	99-09-2	5.8	ug/l	ND	1.05		5.2	ND	1.04		5.2	ND	1.08		5.4	ND	1.08		5.4
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.05		***5.2***	ND	1.04		***5.2***	ND	1.08		***5.4***	ND	1.08		***5.4***
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
4-NITROPHENOL	100-02-7	60000	ug/l	ND	1.05		5.2	ND	1.04		5.2	ND	1.08		5.4	ND	1.08		5.4
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.05		***10***	ND	1.04		***10***	ND	1.08		***11***	ND	1.08		***11***
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.05		10	ND	1.04		10	ND	1.08		11	ND	1.08		11
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.05		1	ND	1.04		1	0.54	1.08	J	1.1	ND	1.08		1.1
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
ACETOPHENONE	98-86-2	10000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
ANILINE	62-53-3	5.8	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
ANTHRACENE	120-12-7	66	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
ARAMITE	140-57-8	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
BENZO(A)PYRENE	50-32-8	3.8	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	0.2	1.05	J	1	0.22	1.04	J	1	0.15	1.08	J	1.1	0.19	1.08	J	1.1
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	2.2	1.05		1	0.46	1.04	J	1	0.85	1.08	J	1.1	1.2	1.08		1.1
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.05		4.2	ND	1.04		4.2	ND	1.08		4.3	ND	1.08		4.3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	MW7-4-26				MW7-5-28				MW7-9-17				MW7-9-17			
			Sample ID	MW7-4-26_10-08-N				MW7-5-28_10-08-N				MW7-9-17_10-08-N				DUP001_10-08-N			
			Sample Date	10/14/2008				10/14/2008				10/15/2008				10/15/2008			
			Lab Id	C8J160299006				C8J160299007				C8J160299005				C8J160299011			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
CHRYSENE	218-01-9	1.9	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
CYGON	60-51-5	20000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
DIALLATE	2303-16-4	1000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
DIBENZOFURAN	132-64-9	5	ug/l	ND	1.05		1	0.058	1.04	J	1	ND	1.08		1.1	ND	1.08		1.1
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	0.12	1.05	JB	1	0.065	1.04	J	1	0.11	1.08	JB	1.1	0.1	1.08	JB	1.1
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	ND	1.05		1	0.45	1.04	J	1	ND	1.08		1.1	ND	1.08		1.1
DISULFOTON	298-04-4	30	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
FAMPHUR	52-85-7	5	ug/l	ND	1.05		***10***	ND	1.04		***10***	ND	1.08		***11***	ND	1.08		***11***
FLUORANTHENE	206-44-0	260	ug/l	0.44	1.05		0.21	ND	1.04		0.21	0.4	1.08		0.22	ND	1.08		0.22
FLUORENE	86-73-7	1900	ug/l	ND	1.05		0.21	0.057	1.04	J	0.21	ND	1.08		0.22	ND	1.08		0.22
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	-		0	ND	-		0
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
ISODRIN	465-73-6	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
ISOSAFROLE	120-58-1	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.05		***1***	ND	1.04		***1***	ND	1.08		***1.1***	ND	1.08		***1.1***
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
METHYL PARATHION	298-00-0	200	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
NAPHTHALENE	91-20-3	30000	ug/l	ND	1.05		0.21	0.053	1.04	J	0.21	0.053	1.08	J	0.22	ND	1.08		0.22
NITROBENZENE	98-95-3	51000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.05		***1***	ND	1.04		***1***	ND	1.08		***1.1***	ND	1.08		***1.1***
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.05		0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
PENTACHLOROPHENOL	87-86-5	1000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
PHENACETIN	62-44-2	760000	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
PHENANTHRENE	85-01-8	1100	ug/l	0.17	1.05	JB	0.21	0.11	1.04	JB	0.21	0.16	1.08	JB	0.22	0.15	1.08	JB	0.22
PHENOL	108-95-2	400000	ug/l	ND	1.05		0.21	0.057	1.04	J	0.21	0.041	1.08	J	0.22	ND	1.08		0.22
PHORATE	298-02-2	4.1	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.05		5.2	ND	1.04		5.2	ND	1.08		5.4	ND	1.08		5.4
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.05		42	ND	1.04		42	ND	1.08		43	ND	1.08		43
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
PYRENE	129-00-0	130	ug/l	0.074	1.05	J	0.21	ND	1.04		0.21	ND	1.08		0.22	ND	1.08		0.22
PYRIDINE	110-86-1	200	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
SAFROLE	94-59-7	NS	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
SULFOTEP	3689-24-5	10	ug/l	ND	1.05		1	ND	1.04		1	ND	1.08		1.1	ND	1.08		1.1
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.16	1	B	2	0.13	1	B	2	0.18	1	B	2	0.14	1	B	2
ARSENIC	7440-38-2	50000	ug/l	0.92	1	JB	1	0.35	1	JB	1	0.72	1	JB	1	0.77	1	JB	1
BARIUM	7440-39-3	2000000	ug/l	49.4	1		10	60.7	1		10	14.7	1		10	24.3	1		10
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CADMIUM	7440-43-9	5000	ug/l	0.12	1	B	1	0.14	1	B	1	0.14	1	B	1	0.15	1	B	1
CHROMIUM	7440-47-3	100000	ug/l	3.8	1	J	2	5.1	1	J	2	3.6	1	J	2	3.2	1	J	2
COBALT	7440-48-4	2000000	ug/l	0.29	1	B	0.5	0.74	1		0.5	0.75	1		0.5	1.1	1		0.5
COPPER	7440-50-8	1000000	ug/l	1.9	1	B	2	1.4	1	B	2	3.5	1		2	2.2	1		2
LEAD	7439-92-1	5000	ug/l	0.24	1	B	1	ND	1		1	0.24	1	B	1	ND	1		1
MERCURY	7439-97-6	2000	ug/l	0.039	1	JB	0.2	0.03	1	JB	0.2	0.029	1	JB	0.2	0.041	1	JB	0.2
NICKEL	7440-02-0	100000	ug/l	1.2	1		1	2.9	1		1	2.8	1		1	2.4	1		1
SELENIUM	7782-49-2	50000	ug/l	2.4	1	JB	5	1.8	1	JB	5	2.2	1	JB	5	2.4	1	JB	5
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1
THALLIUM	7440-28-0	2000	ug/l	0.021	1	B	1	0.031	1	B	1	ND	1		1	ND	1		1
TIN	7440-31-5	61000000	ug/l	3.9	1	JB	5	4.8	1	JB	5	6	1	J	5	3.4	1	JB	5
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	ND	1		1	ND	1		1	ND	1		1	0.12	1	B	1
ZINC	7440-66-6	2000000	ug/l	9.5	1		5	4.7	1	B	5	10.3	1		5	9.2	1		5

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsyvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	FB001_10-08 FB 10/14/2008 C8J160299012				FB002_10-08 FB 10/15/2008 C8J160299009				FB03_10-08 FB 10/16/2008 C8J180168010				FB04_10-08 FB 10/17/2008 C8J180168031				FB-05_10-08 C8J220361011 10/20/2008 C8J220361011				TB-01_10-08 TB 10/15/2008 C8J160299010				TB02_10-08 TB 10/17/2008 C8J180168032				TB-03 TB 10/20/2008 C8J220361012			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,1,1,2-TETRACHLOROETHANE	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1-TRICHLOROETHANE	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-TETRACHLOROETHANE	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-TRICHLOROETHANE	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHANE	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-DICHLOROETHYLENE	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-TRICHLOROPROPANE	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DIBROMOETHANE	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROETHANE	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-DICHLOROPROPANE	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-DIOXANE	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
2-BUTANONE (MEK)	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	0.72	1	J	5	0.67	1	J	5	ND	1		5	0.63	1	J	5
2-CHLOR-1,3-BUTADIENE	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-METHYL-1-PROPANOL	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
4-METHYL-2-PENTANONE (MIBK)	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
ACETONE	67-64-1	100000	ug/l	3.3	1	J	5	2.8	1	J	5	ND	1		5	2.8	1	J	5	ND	1		5	3.7	1	J	5	3.3	1	J	5	4.2	1	J	5
ACETONITRILE	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ACROLEIN	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
ACRYLONITRILE	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
ALLYLCHLORIDE	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BENZENE	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMODICHLOROMETHANE	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
BROMOMETHANE	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON DISULFIDE	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CARBON TETRACHLORIDE	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-11	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CFC-12	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROBENZENE	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLORODIBROMOMETHANE	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROETHANE	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROFORM	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CHLOROMETHANE	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
CIS-1,3-DICHLOROPROPENE	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DIBROMOMETHANE	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
DICHLOROMETHANE	75-09-2	500	ug/l	1.3	1		1	1.5	1		1	1.5	1		1	1.3	1		1	ND	1		1	2.1	1		1	2	1		1	2	1		1
ETHYL METHACRYLATE	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
ETHYLBENZENE	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
IODOMETHANE	74-88-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL METHACRYLATE	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
METHYL N-BUTYL KETONE	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
METHYLACRYLONITRILE	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
PENTACHLOROETHANE	76-01-7	5	ug/l	ND	1		2.1	ND	1		2.1	ND	1		2.1	ND	1		2.1	ND	1		2	ND	1		2	ND	1		2	ND	1		2
PROPIONITRILE	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
STYRENE (MONOMER)	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TETRACHLOROETHENE	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TOLUENE	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,2-DICHLOROETHENE	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRANS-1,4-DICHLOROBUTENE	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRIBROMOMETHANE	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
TRICHLOROETHYLENE	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL ACETATE	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
VINYL CHLORIDE	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
XYLENE (TOTAL)	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsyvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID	FB001_10-08				FB002_10-08				FB03_10-08				FB04_10-08				FB-05_10-08				TB-01_10-08				TB02_10-08				TB-03			
			Sample ID	FB				FB				FB				FB				C8J220361011				TB				TB				TB			
			Sample Date	10/14/2008				10/15/2008				10/16/2008				10/17/2008				10/20/2008				10/15/2008				10/17/2008				10/20/2008			
			Lab Id	C8J160299012				C8J160299009				C8J180168010				C8J180168031				C8J220361011				C8J160299010				C8J180168032				C8J220361012			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
1,2,4,5-TETRACHLOROBENZENE	95-94-3	580	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-TRICHLOROBENZENE	120-82-1	44000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
1,2-DICHLOROBENZENE	95-50-1	60000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-TRINITROBENZENE	99-35-4	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
1,4-DICHLOROBENZENE	106-46-7	7500	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
1,4-NAPHTHOQUINONE	130-15-4	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
1-NAPHTHYLAMINE	134-32-7	1400	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-TRICHLOROPHENOL	95-95-4	1000000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-TRICHLOROPHENOL	88-06-2	31000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2,4-DICHLOROPHENOL	120-83-2	20000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
2,4-DIMETHYLPHENOL	105-67-9	2000000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2,4-DINITROPHENOL	51-28-5	410	ug/l	ND	1.06		5.3	ND	1.03		5.2	ND	1.04		5.2	ND	1.04		5.2	ND	1.02		5.1	-	-	-	-	-	-	-	-	-	-	-	-
2,4-DINITROTOLUENE	121-14-2	8400	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2,6-DICHLOROPHENOL	87-65-0	NS	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
2,6-DINITROTOLUENE	606-20-2	100000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2-ACETYLAMINOFLUORENE	53-96-3	680	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2-CHLORONAPHTHALENE	91-58-7	8200	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
2-CHLOROPHENOL	95-57-8	40	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2-METHYL PYRIDINE (2-PICOLINE)	109-06-8	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	91-57-6	2000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
2-METHYLPHENOL	95-48-7	510000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2-NAPHTHALENAMINE (2-NAPHTHYLAMINE)	91-59-8	1400	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
2-NITROANILINE	88-74-4	5.8	ug/l	ND	1.06		5.3	ND	1.03		5.2	ND	1.04		5.2	ND	1.04		5.2	ND	1.02		5.1	-	-	-	-	-	-	-	-	-	-	-	-
2-NITROPHENOL	88-75-5	820000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-DICHLOROBENZIDINE	91-94-1	3100	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-DIMETHYLBENZIDINE	119-93-7	280	ug/l	ND	1.06		11	ND	1.03		10	ND	1.04		10	ND	1.04		10	ND	1.02		10	-	-	-	-	-	-	-	-	-	-	-	-
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	78-59-1	100000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
3-METHYLCHLORANTHRENE	56-49-5	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.06		1.1	0.3	1.03	J	1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
3-NITROANILINE	99-09-2	5.8	ug/l	ND	1.06		5.3	ND	1.03		5.2	ND	1.04		5.2	ND	1.04		5.2	ND	1.02		5.1	-	-	-	-	-	-	-	-	-	-	-	-
4,6-DINITRO-2-METHYLPHENOL	534-52-1	5	ug/l	ND	1.06		***5.3***	ND	1.03		***5.2***	ND	1.04		***5.2***	ND	1.04		***5.2***	ND	1.02		***5.1***	-	-	-	-	-	-	-	-	-	-	-	-
4-AMINOBIPHENYL	92-67-1	120	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
4-BROMOPHENYL PHENYL ETHER	101-55-3	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
4-CHLORO-3-METHYLPHENOL	59-50-7	510	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
4-DIMETHYLAMINOAZOBENZENE	60-11-7	570	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
4-NITROPHENOL	100-02-7	60000	ug/l	ND	1.06		5.3	ND	1.03		5.2	ND	1.04		5.2	ND	1.04		5.2	ND	1.02		5.1	-	-	-	-	-	-	-	-	-	-	-	-
4-NITROQUINOLINE-N-OXIDE	56-57-5	5	ug/l	ND	1.06		***11***	ND	1.03		***10***	ND	1.04		***10***	ND	1.04		***10***	ND	1.02		***10***	-	-	-	-	-	-	-	-	-	-	-	-
5-NITRO-O-TOLUIDINE	99-55-8	NS	ug/l	ND	1.06		11	ND	1.03		10	ND	1.04		10	ND	1.04		10	ND	1.02		10	-	-	-	-	-	-	-	-	-	-	-	-
7,12-DIMETHYLBENZ(A)ANTHRACENE	57-97-6	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
ACENAPHTHENE	83-32-9	3800	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
ACENAPHTHYLENE	208-96-8	16000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
ACETOPHENONE	98-86-2	10000	ug/l	0.051	1.06	J	1.1	ND	1.03		1	0.3	1.04	J	1	0.2	1.04	J	1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
ANILINE	62-53-3	5.8	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACENE	120-12-7	66	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
ARAMITE	140-57-8	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	56-55-3	11	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	50-32-8	3.8	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	205-99-2	1.2	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(GHI)PERYLENE	191-24-2	0.26	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(K)FLUORANTHENE	207-08-9	0.55	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
BENZYL ALCOHOL	100-51-6	31000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
BENZYL BUTYL PHTHALATE	85-68-7	2700	ug/l	ND	1.06		1.1	ND	1.03		1	0.17	1.04	J	1	ND	1.04		1	0.14	1.02	JB	1	-	-	-	-	-	-	-	-	-	-	-	-
BIS(2-CHLORO-1-METHYLETHYL) ETHER	108-60-1	30000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
BIS(2-CHLOROETHYL) ETHER	111-44-4	55	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	290	ug/l	ND	1.06		1.1	ND	1.03		1	0.38	1.04	J	1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
CHLORDECONE (KEPONE)	143-50-0	160	ug/l	ND	1.06		4.2	ND	1.03		4.1	ND	1.04		4.2	ND	1.04		4.2	ND	1.02		4.1	-	-	-	-	-	-	-	-	-	-	-	-

Table 5
Summary of Groundwater Analytical Results - October 2008
Comparison to Pennsyvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residentail Non-Use Aquifer GW MSC	Location ID / Sample ID / Sample Date / Lab Id	FB001_10-08 FB 10/14/2008 C8J160299012				FB002_10-08 FB 10/15/2008 C8J160299009				FB03_10-08 FB 10/16/2008 C8J180168010				FB04_10-08 FB 10/17/2008 C8J180168031				FB-05_10-08 C8J220361011 10/20/2008 C8J220361011				TB-01_10-08 TB 10/15/2008 C8J160299010				TB02_10-08 TB 10/17/2008 C8J180168032				TB-03 TB 10/20/2008 C8J220361012			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
CHLOROBENZILATE	510-15-6	9600	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
CHLOROPHENOLS	58-90-2	61000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
CHRYSENE	218-01-9	1.9	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
CYGON	60-51-5	20000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DIALLATE	2303-16-4	1000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	53-70-3	0.6	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZOFURAN	132-64-9	5	ug/l	0.077	1.06	J	1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DIETHYL PHTHALATE	84-66-2	1100000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DIMETHYL PHTHALATE	131-11-3	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DI-N-BUTYL PHTHALATE	84-74-2	400000	ug/l	0.23	1.06	J	1.1	0.069	1.03	J	1	ND	1.04		1	0.072	1.04	J	1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DINITROBUTYL PHENOL	88-85-7	700	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DI-N-OCTYL PHTHALATE	117-84-0	3000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
DISULFOTON	298-04-4	30	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
ETHYL METHANESULFONATE	62-50-0	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
ETHYL PARATHION (PARATHION)	56-38-2	610	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
FAMPHUR	52-85-7	5	ug/l	ND	1.06		***11***	ND	1.03		***10***	ND	1.04		***10***	ND	1.04		***10***	ND	1.02		***10***	-	-	-	-	-	-	-	-	-	-	-	-
FLUORANTHENE	206-44-0	260	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
FLUORENE	86-73-7	1900	ug/l	0.11	1.06	J	0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
HEXACHLORO-1,3-BUTADIENE	87-68-3	1000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
HEXACHLOROBENZENE	118-74-1	6	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
HEXACHLOROCYCLOPENTADIENE	77-47-4	1800	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
HEXACHLOROETHANE	67-72-1	100	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
HEXACHLOROPHENE (HCP)	70-30-4	NS	ug/l	ND	-		0	ND	-		0	ND	1.04		0	ND	1.04		0	ND	1.02		0	-	-	-	-	-	-	-	-	-	-	-	-
HEXACHLOROPROPENE	1888-71-7	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	193-39-5	62	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
ISODRIN	465-73-6	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
ISOSAFROLE	120-58-1	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
M-DICHLOROBENZENE	541-73-1	60000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
M-DINITROBENZENE	99-65-0	1000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
METHANAMINE, N-METHYL-N-NITROSO	62-75-9	0.13	ug/l	ND	1.06		***1.1***	ND	1.03		***1***	ND	1.04		***1***	ND	1.04		***1***	ND	1.02		***1***	-	-	-	-	-	-	-	-	-	-	-	-
METHAPYRILENE	91-80-5	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
METHYL METHANESULFONATE	66-27-3	26	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
METHYL PARATHION	298-00-0	200	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
NAPHTHALENE	91-20-3	30000	ug/l	0.054	1.06	J	0.21	0.047	1.03	J	0.21	0.05	1.04	J	0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
NITROBENZENE	98-95-3	51000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSODIETHYLAMINE	55-18-5	0.043	ug/l	ND	1.06		***1.1***	ND	1.03		***1***	ND	1.04		***1***	ND	1.04		***1***	ND	1.02		***1***	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSODI-N-BUTYLAMINE	924-16-3	11	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSODI-N-PROPYLAMINE	621-64-7	370	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSODIPHENYLAMINE	86-30-6	35000	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSOMETHYLETHYLAMINE	10595-95-6	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSOMORPHOLINE	59-89-2	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSOPIPERIDINE	100-75-4	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
N-NITROSOPYRROLIDINE	930-55-2	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
O-TOLUIDINE	95-53-4	11000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
P-CHLOROANILINE	106-47-8	410	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
PENTACHLOROBENZENE	608-93-5	740	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
PENTACHLORONITROBENZENE	82-68-8	440	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
PENTACHLOROPHENOL	87-86-5	1000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
PHENACETIN	62-44-2	760000	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
PHENANTHRENE	85-01-8	1100	ug/l	0.12	1.06	JB	0.21	0.07	1.03	JB	0.21	0.069	1.04	JB	0.21	0.062	1.04	J	0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
PHENOL	108-95-2	400000	ug/l	0.053	1.06	J	0.21	0.18	1.03	J	0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
PHORATE	298-02-2	4.1	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
P-NITROANILINE	100-01-6	5.8	ug/l	ND	1.06		5.3	ND	1.03		5.2	ND	1.04		5.2	ND	1.04		5.2	ND	1.02		5.1	-	-	-	-	-	-	-	-	-	-	-	-
P-PHENYLENEDIAMINE	106-50-3	NS	ug/l	ND	1.06		42	ND	1.03		41	ND	1.04		42	ND	1.04		42	ND	1.02		41	-	-	-	-	-	-	-	-	-	-	-	-
PROPYZAMIDE	23950-58-5	50	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
PYRENE	129-00-0	130	ug/l	ND	1.06		0.21	ND	1.03		0.21	ND	1.04		0.21	ND	1.04		0.21	ND	1.02		0.2	-	-	-	-	-	-	-	-	-	-	-	-
PYRIDINE	110-86-1	200	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
SAFROLE	94-59-7	NS	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
SULFOTEP	3689-24-5	10	ug/l	ND	1.06		1.1	ND	1.03		1	ND	1.04		1	ND	1.04		1	ND	1.02		1	-	-	-	-	-	-	-	-	-	-	-	-
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
ANTIMONY	7440-36-0	6000	ug/l	0.1	1	B	2	0.11	1	B	2	ND	1		2	ND	1		2	ND	1		2	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	7440-38-2	50000	ug/l	0.48	1	B J	1	0.55	1	B J	1	ND	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
BARIUM	7440-39-3	2000000	ug/l	0.11	1	B	10	ND	1		10	ND	1		10	ND	1		10	14.3	1		10	-	-	-	-	-	-	-	-	-	-	-	-
BERYLLIUM	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
CADMIUM	7440-43-9	5000	ug/l	ND	1		1	0.16	1	B	1	ND	1		1	0.13	1	B	1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	7440-47-3	100000	ug/l	3.8	1	J	2	4.4	1	J	2	3.1	1	J	2	2.9	1	J	2	4	1	J	2	-	-	-	-	-	-	-	-	-	-	-	-
COBALT	7440-48-4	2000000	ug/l	ND	1		0.5	ND	1		0.5	ND	1		0.5	ND	1		0.5	0.096	1	B	0.5	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	7440-50-8	1000000	ug/l	0.44	1	B	2	1.1	1	B	2	0.62	1	B	2	0.79	1	B	2	1.2	1	B	2	-	-	-	-	-	-	-	-	-	-	-	-
LEAD	7439-92-1	5000	ug/l	ND	1		1	0.3	1	B	1	0.23	1	B	1	0.26	1	B	1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	7439-97-6	2000	ug/l	0.022	1	B J	0.2	0.037	1	B J	0.2	0.038	1	B J	0.2	0.051	1	B J	0.2	ND	1		0.2	-	-	-	-	-	-	-	-	-	-	-	-
NICKEL	7440-02-0	100000	ug/l	0.099	1	B	1	0.11	1	B	1	ND	1		1	0.092	1	B	1	1	1		1	-	-	-	-	-	-	-	-	-	-	-	-
SELENIUM	7782-49-2	50000	ug/l	1.5	1	B J	5	1.6	1	B J	5	ND	1		5	0.76	1	B	5	0.57	1	B	5	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	7440-28-0	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.024	1	B	1	-	-	-	-	-	-	-	-	-	-	-	-
TIN	7440-31-5	61000000	ug/l	3.8	1	B J	5	3.8	1	B J	5	3.1	1	B J	5	4.4	1	B J	5	3.6	1	B J	5	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM (FUME OR DUST)	7440-62-2	720000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.34	1	B	1	-	-	-	-	-	-	-	-	-	-	-	-
ZINC	7440-66-6	2000000	ug/l	2.3	1	B	5	3.7	1	B	5	3.4	1	B	5	4.2	1	B	5	4.5	1	B J	5	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ND - Non-Detected
B - Method Blank contamination. The associated method blank contains the target analyte at a reportable level.
J - Estimated result. Result is less than RL.
1.) HEXACHLOROPHENE (HCP) was reported as TIC.

Legend:
1 Concentration exceeds the PADEP Non-Residential Non-Use Aquifer Groundwater MSC
2.6 Reporting limit exceeds the PADEP Non-Residential Non-Use Aquifer Groundwater MSC

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID	MW1-02-31				MW1-12-29				MW1-15-29				MW1-23-47				MW1-26-27				MW1-28-74				MW2-01-22			
			Sample ID	MW1-02-31_061809				MW1-12-29_061809				MW1-15-29_061909				MW1-23-47_061909				MW1-26-27_061709				MW1-28-74_061809				MW2-01-22_061809			
			Sample Date	6/18/2009				6/18/2009				6/19/2009				6/19/2009				6/17/2009				6/18/2009				6/18/2009			
			Lab Id	C9F190331006				C9F190331004				C9F200181009				C9F200181001				C9F180195003				C9F190331012				C9F190331013			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Acetone	67-64-1	100000	ug/l	ND	1		5	ND	1		5	4.7	1	J	5	ND	1		5	3.1	1	J	5	ND	1		5	ND	1		5
Acetonitrile	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Acrolein	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
Acrylonitrile	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Benzene	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromodichloromethane	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromoform	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromomethane	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Butanone	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Carbon Disulfide	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Carbon Tetrachloride	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
3-Chloro-1-propene (Allyl chloride)	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chlorobenzene	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroethane	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroform	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloromethane	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroprene	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromethane	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromo-3-chloropropane	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromochloromethane	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromomethane	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dichlorodifluoromethane	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethane	75-34-3	1100	ug/l	0.23	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloroethane	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,2-Dichloroethene	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethene	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloropropane	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,3-Dichloropropene	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
cis-1,3-Dichloropropene	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-Dioxane	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
Ethyl methacrylate	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Ethylbenzene	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Hexanone	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Iodomethane	74-88-43	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Isobutyl alcohol	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
Methacrylonitrile	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Methyl methacrylate	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
4-Methyl-2-pentanone	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Methylene chloride	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Propionitrile	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
Styrene	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1,2-Tetracholorethane	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-Tetrachloroethane	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Tetrachloroethene	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Toluene	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Total Xylene	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3
1,1,1-Trichloroethane	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-Trichloroethane	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Trichloroethene	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Trichlorofluoromethane	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-Trichloropropane	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl acetate	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl chloride	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
m-Xylene & p-Xylene	#N/A	NS	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
o-Xylene	95-47-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID	MW2-03-33				MW3-02-27				MW3-02-27				MW3-12-31				MW3-29-29				MW4-02-24				MW4-10-23				MW4-11-33			
			Sample ID	MW2-03-33_061909				MW3-02-27_061809				DUP-01_061809				MW3-12-31_061909				MW3-29-29_061809				MW4-02-24_061809				MW4-10-23_061709				MW4-11-33_061909			
			Sample Date	6/19/2009				6/18/2009				6/18/2009				6/19/2009				6/18/2009				6/18/2009				6/17/2009				6/19/2009			
			Lab Id	C9F200181010				C9F190331001				C9F190331002				C9F200181002				C9F190331003				C9F190331014				C9F180195004				C9F200181003			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Acetone	67-64-1	100000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Acetonitrile	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Acrolein	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
Acrylonitrile	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Benzene	71-43-2	500	ug/l	ND	1		1	0.13	1	J	1	0.12	1	J	1	0.15	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromodichloromethane	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromoform	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromomethane	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Butanone	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Carbon Disulfide	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Carbon Tetrachloride	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
3-Chloro-1-propene (Allyl chloride)	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chlorobenzene	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroethane	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroform	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloromethane	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroprene	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromethane	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromo-3-chloropropane	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromochloromethane	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromomethane	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dichlorodifluoromethane	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethane	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.7	1	J	1
1,2-Dichloroethane	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,2-Dichloroethene	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethene	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloropropane	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,3-Dichloropropene	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
cis-1,3-Dichloropropene	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-Dioxane	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
Ethyl methacrylate	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Ethylbenzene	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Hexanone	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Iodomethane	74-88-43	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Isobutyl alcohol	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
Methacrylonitrile	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Methyl methacrylate	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
4-Methyl-2-pentanone	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Methylene chloride	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Propionitrile	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
Styrene	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1,2-Tetracholorethane	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-Tetrachloroethane	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Tetrachloroethene	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Toluene	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	0.21	1	J	1	ND	1		1	ND	1		1	0.16	1	J	1	ND	1		1
Total Xylene	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3
1,1,1-Trichloroethane	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-Trichloroethane	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Trichloroethene	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	0.48	1	J	1	ND	1		1	ND	1		1	ND	1		1	0.64	1	J	1
Trichlorofluoromethane	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-Trichloropropane	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl acetate	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl chloride	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	0.33	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
m-Xylene & p-Xylene	#N/A	NS	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
o-Xylene	95-47-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID	MW4-14-36				MW4-30-63				MW4-30-63				MW4-33-25				MW5-07-24				MW5-18-26				MW5-41-19				MW6-02-27			
			Sample ID	MW4-14-36_061909				MW4-30-63_061909				DUP-02_061909				MW4-33-25_061909				MW5-07-24_061809				MW5-18-26_061709				MW5-41-19_061709				MW6-02-27_061909			
			Sample Date	6/19/2009				6/19/2009				6/19/2009				6/19/2009				6/18/2009				6/17/2009				6/17/2009				6/19/2009			
			Lab Id	C9F200181006				C9F200181012				C9F200181013				C9F200181011				C9F190331005				C9F180195002				C9F180195001				C9F200181004			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Acetone	67-64-1	100000	ug/l	ND	1		5	ND	1		5	ND	1		5	2.8	1	J	5	ND	1		20	7	1		5	ND	1		5	ND	1		5
Acetonitrile	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		80	ND	1		20	ND	1		20	ND	1		20
Acrolein	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***80***	ND	1		***20***	ND	1		***20***	ND	1		***20***
Acrylonitrile	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		80	ND	1		20	ND	1		20	ND	1		20
Benzene	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	59	1		4	0.89	1	J	1	ND	1		1	ND	1		1
Bromodichloromethane	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Bromoform	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Bromomethane	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
2-Butanone	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		20	ND	1		5	ND	1		5	ND	1		5
Carbon Disulfide	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	0.72	1	J	1	ND	1		1	ND	1		1
Carbon Tetrachloride	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
3-Chloro-1-propene (Allyl chloride)	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Chlorobenzene	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Chloroethane	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Chloroform	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Chloromethane	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Chloroprene	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromethane	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromo-3-chloropropane	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Dibromochloromethane	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Dibromomethane	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Dichlorodifluoromethane	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethane	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloroethane	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
trans-1,2-Dichloroethene	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethene	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloropropane	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
trans-1,3-Dichloropropene	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
cis-1,3-Dichloropropene	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,4-Dioxane	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		***800***	ND	1		200	ND	1		200	ND	1		200
Ethyl methacrylate	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Ethylbenzene	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
2-Hexanone	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		***20***	ND	1		5	ND	1		5	ND	1		5
Iodomethane	74-88-43	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Isobutyl alcohol	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		160	ND	1		40	ND	1		40	ND	1		40
Methacrylonitrile	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Methyl methacrylate	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
4-Methyl-2-pentanone	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		20	ND	1		5	ND	1		5	ND	1		5
Methylene chloride	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	1.4	1	J B	4	ND	1		1	ND	1		1	ND	1		1
Propionitrile	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		***8***	ND	1		2	ND	1		2	ND	1		2
Styrene	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,1,1,2-Tetracholorethane	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-Tetrachloroethane	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Tetrachloroethene	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Toluene	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	0.15	1	J	1	ND	1		1	ND	1		1
Total Xylene	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		12	ND	1		3	ND	1		3	ND	1		3
1,1,1-Trichloroethane	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,1,2-Trichloroethane	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Trichloroethene	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	0.68	1	J	1
Trichlorofluoromethane	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
1,2,3-Trichloropropane	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Vinyl acetate	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
Vinyl chloride	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1
m-Xylene & p-Xylene	#N/A	NS	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		8	ND	1		2	ND	1		2	ND	1		2
o-Xylene	95-47-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		4	ND	1		1	ND	1		1	ND	1		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID	MW6-05-28				MW6-06-24				MW6-08-28				MW6-12-42				MW6-20-37				MW7-04-26				MW7-05-28			
			Sample ID	MW6-05-28_061909				MW6-06-24_061909				MW6-08-28_061809				MW6-12-42_061809				MW6-20-37_061909				MW7-04-26_061809				MW7-05-28_061809			
			Sample Date	6/19/2009				6/19/2009				6/18/2009				6/18/2009				6/19/2009				6/18/2009				6/18/2009			
			Lab Id	C9F200181007				C9F200181008				C9F190331009				C9F190331010				C9F200181005				C9F190331008				C9F190331007			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Acetone	67-64-1	100000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	2.6	1	J	5	ND	1		5	ND	1		5
Acetonitrile	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Acrolein	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
Acrylonitrile	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Benzene	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromodichloromethane	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromoform	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromomethane	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Butanone	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Carbon Disulfide	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Carbon Tetrachloride	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
3-Chloro-1-propene (Allyl chloride)	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chlorobenzene	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroethane	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroform	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloromethane	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroprene	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromethane	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromo-3-chloropropane	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromochloromethane	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromomethane	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dichlorodifluoromethane	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethane	75-34-3	1100	ug/l	ND	1		1	1	1		1	0.37	1	J	1	0.17	1	J	1	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloroethane	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,2-Dichloroethene	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethene	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloropropane	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,3-Dichloropropene	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
cis-1,3-Dichloropropene	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-Dioxane	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
Ethyl methacrylate	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Ethylbenzene	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Hexanone	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Iodomethane	74-88-43	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Isobutyl alcohol	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
Methacrylonitrile	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Methyl methacrylate	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
4-Methyl-2-pentanone	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Methylene chloride	75-09-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Propionitrile	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
Styrene	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1,2-Tetracholorethane	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-Tetrachloroethane	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Tetrachloroethene	127-18-4	50	ug/l	0.29	1	J	1	0.4	1	J	1	0.36	1	J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Toluene	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.36	1	J	1	ND	1		1
Total Xylene	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3
1,1,1-Trichloroethane	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-Trichloroethane	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Trichloroethene	79-01-6	50	ug/l	1	1		1	3.3	1		1	2.2	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Trichlorofluoromethane	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-Trichloropropane	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl acetate	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl chloride	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
m-Xylene & p-Xylene	#N/A	NS	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
o-Xylene	95-47-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	FB-01 FB-01_061709 6/17/2009 C9F180195005				FB-02 FB-02_061809 6/18/2009 C9F190331011				FB-03 FB-03_061909 6/19/2009 C9F200181014				TB-01 TB-01_061709 C9F180195006 39981				TB-02 TB-02_061809 C9F190331015 39982				TB-03 TB-03_061909 C9F200181015 39983			
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS (Method 8260)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Acetone	67-64-1	100000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Acetonitrile	75-05-8	3500	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Acrolein	107-02-8	1.2	ug/l	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***	ND	1		***20***
Acrylonitrile	107-13-1	270	ug/l	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20	ND	1		20
Benzene	71-43-2	500	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromodichloromethane	75-27-4	100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromoform	75-25-2	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Bromomethane	74-83-9	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Butanone	78-93-3	580000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Carbon Disulfide	75-15-0	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Carbon Tetrachloride	56-23-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
3-Chloro-1-propene (Allyl chloride)	107-05-1	580	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chlorobenzene	108-90-7	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroethane	75-00-3	90000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroform	67-66-3	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloromethane	74-87-3	300	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Chloroprene	126-99-8	4100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromethane	106-93-4	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dibromo-3-chloropropane	96-12-8	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromochloromethane	124-48-1	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dibromomethane	74-95-3	20000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Dichlorodifluoromethane	75-71-8	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethane	75-34-3	1100	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloroethane	107-06-2	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,2-Dichloroethene	156-60-5	1000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1-Dichloroethene	75-35-4	70	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2-Dichloropropane	78-87-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
trans-1,3-Dichloropropene	10061-02-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
cis-1,3-Dichloropropene	10061-01-5	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,4-Dioxane	123-91-1	240	ug/l	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200	ND	1		200
Ethyl methacrylate	97-63-2	1800	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Ethylbenzene	100-41-4	70000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
2-Hexanone	591-78-6	5	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Iodomethane	74-88-43	5	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Isobutyl alcohol	78-83-1	610000	ug/l	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40	ND	1		40
Methacrylonitrile	126-98-7	4.1	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Methyl methacrylate	80-62-6	410000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
4-Methyl-2-pentanone	108-10-1	41000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Methylene chloride	75-09-2	500	ug/l	ND	1		1	0.46	1	J B	1	ND	1		1	4.5	1		1	16	1	B	1	5.1	1		1
Propionitrile	107-12-0	5	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
Styrene	100-42-5	10000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,1,2-Tetracholorethane	630-20-6	7000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2,2-Tetrachloroethane	79-34-5	30	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Tetrachloroethene	127-18-4	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Toluene	108-88-3	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	0.16	1	J	1	0.48	1	J	1	ND	1		1
Total Xylene	1330-20-7	180000	ug/l	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3	ND	1		3
1,1,1-Trichloroethane	71-55-6	2000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,1,2-Trichloroethane	79-00-5	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Trichloroethene	79-01-6	50	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Trichlorofluoromethane	75-69-4	200000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
1,2,3-Trichloropropane	96-18-4	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl acetate	108-05-4	1200	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Vinyl chloride	75-01-4	20	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
m-Xylene & p-Xylene	#N/A	NS	ug/l	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2	ND	1		2
o-Xylene	95-47-6	NS	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW1-02-31 MW1-02-31_061809 6/18/2009 C9F190331006				MW1-12-29 MW1-12-29_061809 6/18/2009 C9F190331004				MW1-15-29 MW1-15-29_061909 6/19/2009 C9F200181009				MW1-23-47 MW1-23-47_061909 6/19/2009 C9F200181001				MW1-26-27 MW1-26-27_061709 6/17/2009 C9F180195003				MW1-28-74 MW1-28-74_061809 6/18/2009 C9F190331012				MW2-01-22 MW2-01-22_061809 6/18/2009 C9F190331013			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
2-Acetylaminofluorene (2AAF)	53-96-3	680	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Acenaphthene	83-32-9	3800	ug/l	ND	1.04		0.21	ND	1.06		0.21	0.036	1.1	J B	0.22	0.035	1.05	J B	0.21	0.021	1.1	J	0.22	0.016	1.11	J	0.22	0.031	1.09	J	0.22
Acenaphthylene	208-96-8	16000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Acetophenone	98-86-2	10000	ug/l	ND	1.04		1	ND	1.06		1.1	0.027	1.1	J	1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
4-Aminobiphenyl	92-67-1	120	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Aniline	62-53-3	5.8	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Anthracene	120-12-7	66	ug/l	0.037	1.04	J	0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Aramite	140-57-8	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Benzo(a)anthracene	56-55-3	11	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	0.057	1.1	J	0.22	ND	1.11		0.22	ND	1.09		0.22
Benzo(a)pyrene	50-32-8	3.8	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Benzo(b)fluoranthene	205-99-2	1.2	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Benzo(ghi)perylene	191-24-2	0.26	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Benzo(k)fluoranthene	207-08-9	0.55	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Benzyl alcohol	100-51-6	31000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	0.14	1.1	J	1.1	ND	1.11		1.1	0.15	1.09	J	1.1
Bis(2-Chloroethoxy)methane	111-91-1	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Bis(2-Chloroethyl)ether	111-44-4	55	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Bis(2-Chloroisopropyl)ether	108-60-1	30000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Bis(2-Ethylhexyl)phthalate	117-81-7	290	ug/l	1.4	1.04	B	1	1.3	1.06	B	1.1	0.47	1.1	J B	1.1	0.61	1.05	J B	1	0.56	1.1	J B	1.1	0.79	1.11	J B	1.1	0.83	1.09	J B	1.1
4-Bromophenyl-phenylether	101-55-3	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Butylbenzylphthalate	85-68-7	2700	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	0.53	1.11	J	1.1	1.2	1.09		1.1
4-Chloro-3-methylphenol	59-50-7	510	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
4-Chloroaniline	106-47-8	410	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Chlorobenzilate	510-15-6	9600	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2-Chloronaphthalene	91-58-7	8200	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
2-Chlorophenol	95-57-8	40	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
4-Chlorophenyl-phenylether	7005-72-3	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Chrysene	218-01-9	1.9	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	0.064	1.1	J	0.22	ND	1.11		0.22	ND	1.09		0.22
o-Cresol (2-Methylphenol)	95-48-7	510000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Diallate	2303-16-4	1000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Dibenz(a,h)anthracene	53-70-3	0.6	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Dibenzofuran	132-64-9	5	ug/l	0.022	1.04	J B	1	0.039	1.06	J B	1.1	0.044	1.1	J B	1.1	0.036	1.05	J B	1	0.024	1.1	J B	1.1	ND	1.11		1.1	0.032	1.09	J B	1.1
1,4- Dichlorobenzene	106-46-7	7500	ug/l	0.2	1.04	J	0.21	0.21	1.06		0.21	0.35	1.1		0.22	0.29	1.05		0.21	ND	1.1		0.22	0.17	1.11	J	0.22	0.21	1.09	J	0.22
1,2-Dichlorobenzene	95-50-1	60000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	0.085	1.05	J	0.21	ND	1.1		0.22	ND	1.11		0.22	0.066	1.09	J	0.22
1,3-Dichlorobenzene	541-73-1	60000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
3,3'-Dichlorobenzidine	91-94-1	3100	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2,6-Dichlorophenol	87-65-0	NS	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
2,4-Dichlorophenol	120-83-2	20000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Diethylphthalate	84-66-2	1100000	ug/l	ND	1.04		1	0.1	1.06	J B	1.1	0.08	1.1	J B	1.1	0.094	1.05	J B	1	0.11	1.1	J	1.1	0.38	1.11	J B	1.1	0.21	1.09	J B	1.1
Dimethoate	60-51-5	20000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
p-Dimethylaminoazobenzene	60-11-7	570	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	0.55	1.11	J	1.1	ND	1.09		1.1
7,12-Dimethylbenz(a)anthracene	57-97-6	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
3,3'-Dimethylbenzidine	119-93-7	280	ug/l	ND	1.04		10	ND	1.06		11	ND	1.1		11	ND	1.05		10	ND	1.1		11	1.5	1.11	J	11	ND	1.09		11
2,4-Dimethylphenol	105-67-9	2000000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Dimethylphthalate	131-11-3	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Di-n-butylphthalate	84-74-2	400000	ug/l	0.1	1.04	J B	1	0.15	1.06	J B	1.1	0.082	1.1	J B	1.1	0.09	1.05	J B	1	0.12	1.1	J B	1.1	0.24	1.11	J B	1.1	0.2	1.09	J B	1.1
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/l	ND	1.04		***5.2***	ND	1.06		***5.3***	ND	1.1		***5.5***	ND	1.05		***5.2***	ND	1.1		***5.5***	ND	1.11		***5.6***	ND	1.09		***5.4***
1,3-Dinitrobenzene	99-65-0	1000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2,4-Dinitrophenol	51-28-5	410	ug/l	ND	1.04		5.2	ND	1.06		5.3	ND	1.1		5.5	ND	1.05		5.2	ND	1.1		5.5	ND	1.11		5.6	ND	1.09		5.4
2,4-Dinitrotoluene	121-14-2	8400	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2,6-Dinitrotoluene	606-20-2	100000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Dinoseb	88-85-7	700	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Disulfoton	298-04-4	30	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Ethyl methanesulfonate	62-50-0	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Famphur	52-85-7	5	ug/l	ND	1.04		***10***	ND	1.06		***11***	ND	1.1		***11***	ND	1.05		***10***	ND	1.1		***11***	ND	1.11		***11***	ND	1.09		***11***
Fluoranthene	206-44-0	260	ug/l	ND	1.04		0.21	0.031	1.06	J	0.21	0.021	1.1	J	0.22	0.029	1.05	J	0.21	ND	1.1		0.22	0.023	1.11	J	0.22	ND	1.09		0.22
Fluorene	86-73-7	1900	ug/l	0.016	1.04	J	0.21	0.053	1.06	J	0.21	0.038	1.1	J	0.22	0.035	1.05	J	0.21	ND	1.1		0.22	ND	1.11		0.22	0.024	1.09	J	0.22
Hexachlorobenzene	118-74-1	6	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Hexachlorobutadiene	87-68-3	1000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Hexachlorocyclopentadiene	77-47-4	1800	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1

Table 6
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Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID	MW2-03-33				MW3-02-27				MW3-02-27				MW3-12-31				MW3-29-29				MW4-02-24				MW4-10-23				MW4-11-33			
			Sample ID	MW2-03-33_061909				MW3-02-27_061809				DUP-01_061809				MW3-12-31_061909				MW3-29-29_061809				MW4-02-24_061809				MW4-10-23_061709				MW4-11-33_061909			
			Sample Date	6/19/2009				6/18/2009				6/18/2009				6/19/2009				6/18/2009				6/18/2009				6/17/2009				6/19/2009			
			Lab Id	C9F200181010				C9F190331001				C9F190331002				C9F200181002				C9F190331003				C9F190331014				C9F180195004				C9F200181003			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
2-Acetylaminofluorene (2AAF)	53-96-3	680	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Acenaphthene	83-32-9	3800	ug/l	0.031	1.08	J B	0.22	3.7	1.04		0.21	3.7	1.04		0.21	0.21	1.05	B	0.21	0.12	1.1	J	0.22	0.032	1.12	J	0.22	ND	1.12		0.22	0.034	1.04	J B	0.21
Acenaphthylene	208-96-8	16000	ug/l	ND	1.08		0.22	0.069	1.04	J	0.21	0.085	1.04	J	0.21	ND	1.05		0.21	0.096	1.1	J	0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Acetophenone	98-86-2	10000	ug/l	0.024	1.08	J	1.1	0.047	1.04	J	1	0.046	1.04	J	1	0.089	1.05	J	1	ND	1.1		1.1	0.054	1.12	J	1.1	ND	1.12		1.1	ND	1.04		1
4-Aminobiphenyl	92-67-1	120	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Aniline	62-53-3	5.8	ug/l	ND	1.08		1.1	0.35	1.04	J	1	0.37	1.04	J	1	0.058	1.05	J	1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Anthracene	120-12-7	66	ug/l	ND	1.08		0.22	0.13	1.04	J	0.21	0.12	1.04	J	0.21	ND	1.05		0.21	0.017	1.1	J	0.22	0.47	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Aramite	140-57-8	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Benzo(a)anthracene	56-55-3	11	ug/l	ND	1.08		0.22	0.16	1.04	J	0.21	0.14	1.04	J	0.21	ND	1.05		0.21	0.057	1.1	J	0.22	2.7	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Benzo(a)pyrene	50-32-8	3.8	ug/l	ND	1.08		0.22	0.94	1.04		0.21	0.9	1.04		0.21	ND	1.05		0.21	0.97	1.1		0.22	2.4	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Benzo(b)fluoranthene	205-99-2	1.2	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	0.025	1.1	J	0.22	**2.8**	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Benzo(ghi)perylene	191-24-2	0.26	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	**0.87**	1.1		0.22	**3.4**	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Benzo(k)fluoranthene	207-08-9	0.55	ug/l	ND	1.08		0.22	0.046	1.04	J	0.21	0.03	1.04	J	0.21	ND	1.05		0.21	0.1	1.1	J	0.22	**2.5**	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Benzyl alcohol	100-51-6	31000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	0.13	1.12	J	1.1	0.19	1.12	J	1.1	ND	1.04		1
Bis(2-Chloroethoxy)methane	111-91-1	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Bis(2-Chloroethyl)ether	111-44-4	55	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Bis(2-Chloroisopropyl)ether	108-60-1	30000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Bis(2-Ethylhexyl)phthalate	117-81-7	290	ug/l	1.1	1.08	B	1.1	1.6	1.04	B	1	0.91	1.04	J B	1	2.1	1.05	B	1	2.3	1.1	B	1.1	2.3	1.12	B	1.1	1.6	1.12	B	1.1	0.69	1.04	J B	1
4-Bromophenyl-phenylether	101-55-3	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Butylbenzylphthalate	85-68-7	2700	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	1.9	1.12		1.1	0.58	1.12	J B	1.1	ND	1.04		1
4-Chloro-3-methylphenol	59-50-7	510	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
4-Chloroaniline	106-47-8	410	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Chlorobenzilate	510-15-6	9600	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2-Chloronaphthalene	91-58-7	8200	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
2-Chlorophenol	95-57-8	40	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
4-Chlorophenyl-phenylether	7005-72-3	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Chrysene	218-01-9	1.9	ug/l	ND	1.08		0.22	0.18	1.04	J	0.21	0.13	1.04	J	0.21	ND	1.05		0.21	0.12	1.1	J	0.22	**2.8**	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
o-Cresol (2-Methylphenol)	95-48-7	510000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	0.079	1.05	J	1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Diallate	2303-16-4	1000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Dibenz(a,h)anthracene	53-70-3	0.6	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	**1.4**	1.1		0.22	**3.8**	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Dibenzofuran	132-64-9	5	ug/l	0.038	1.08	J B	1.1	0.049	1.04	J B	1	0.04	1.04	J B	1	0.094	1.05	J B	1	0.039	1.1	J B	1.1	0.062	1.12	J B	1.1	0.021	1.12	J B	1.1	0.037	1.04	J B	1
1,4- Dichlorobenzene	106-46-7	7500	ug/l	0.33	1.08		0.22	0.2	1.04	J	0.21	0.25	1.04		0.21	0.27	1.05		0.21	0.22	1.1		0.22	0.28	1.12		0.22	0.12	1.12	J	0.22	0.35	1.04		0.21
1,2-Dichlorobenzene	95-50-1	60000	ug/l	0.074	1.08	J	0.22	ND	1.04		0.21	ND	1.04		0.21	0.07	1.05	J	0.21	ND	1.1		0.22	0.082	1.12	J	0.22	ND	1.12		0.22	0.12	1.04	J	0.21
1,3-Dichlorobenzene	541-73-1	60000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
3,3'-Dichlorobenzidine	91-94-1	3100	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2,6-Dichlorophenol	87-65-0	NS	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
2,4-Dichlorophenol	120-83-2	20000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Diethylphthalate	84-66-2	1100000	ug/l	0.2	1.08	J B	1.1	0.1	1.04	J B	1	0.065	1.04	J B	1	0.077	1.05	J B	1	ND	1.1		1.1	0.22	1.12	J B	1.1	0.13	1.12	J	1.1	0.37	1.04	J B	1
Dimethoate	60-51-5	20000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
p-Dimethylaminoazobenzene	60-11-7	570	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
7,12-Dimethylbenz(a)anthracene	57-97-6	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
3,3'-Dimethylbenzidine	119-93-7	280	ug/l	ND	1.08		11	ND	1.04		10	ND	1.04		10	ND	1.05		10	ND	1.1		11	ND	1.12		11	ND	1.12		11	ND	1.04		10
2,4-Dimethylphenol	105-67-9	2000000	ug/l	ND	1.08		1.1	0.086	1.04	J	1	ND	1.04		1	0.14	1.05	J	1	ND	1.1		1.1	0.046	1.12	J	1.1	ND	1.12		1.1	ND	1.04		1
Dimethylphthalate	131-11-3	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Di-n-butylphthalate	84-74-2	400000	ug/l	0.093	1.08	J B	1.1	0.12	1.04	J B	1	0.091	1.04	J B	1	0.082	1.05	J B	1	ND	1.1		1.1	0.47	1.12	J B	1.1	0.16	1.12	J B	1.1	0.099	1.04	J B	1
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/l	ND	1.08		***5.4***	ND	1.04		***5.2***	ND	1.04		***5.2***	ND	1.05		***5.2***	ND	1.1		***5.5***	ND	1.12		***5.6***	ND	1.12		***5.6***	ND	1.04		***5.2***
1,3-Dinitrobenzene	99-65-0	1000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2,4-Dinitrophenol	51-28-5	410	ug/l	ND	1.08		5.4	ND	1.04		5.2	ND	1.04		5.2	ND	1.05		5.2	ND	1.1		5.5	ND	1.12		5.6	ND	1.12		5.6	ND	1.04		5.2
2,4-Dinitrotoluene	121-14-2	8400	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2,6-Dinitrotoluene	606-20-2	100000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Dinoseb	88-85-7	700	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Disulfoton	298-04-4	30	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Ethyl methanesulfonate	62-50-0	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Famphur	52-85-7	5	ug/l	ND	1.08		***11***	ND	1.04		***10***	ND	1.04		***10***	ND	1.05		***10***	ND	1.1		***11***	ND	1.12		***11***	ND	1.12		***11***	ND	1.04		***10***
Fluoranthene	206-44-0	260	ug/l	0.025	1.08	J	0.22	0.18	1.04	J	0.21	0.18	1.04	J	0.21	0.1	1.05	J	0.21	0.035	1.1	J	0.22	0.68	1.12		0.22	ND	1.12		0.22	0.033	1.04	J	0.21
Fluorene	86-73-7	1900	ug/l	0.035	1.08	J	0.22	0.15	1.04	J	0.21	0.15	1.04	J	0.21	0.11	1.05	J	0.21	0.021	1.1	J	0.22	0.11	1.12	J	0.22	ND	1.12		0.22	0.037	1.04	J	0.21
Hexachlorobenzene	118-74-1	6	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	0.25	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Hexachlorobutadiene	87-68-3	1000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Hexachlorocyclopentadiene	77-47-4	1800	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW4-14-36 MW4-14-36_061909 6/19/2009 C9F200181006				MW4-30-63 MW4-30-63_061909 6/19/2009 C9F200181012				MW4-30-63 DUP-02_061909 6/19/2009 C9F200181013				MW4-33-25 MW4-33-25_061909 6/19/2009 C9F200181011				MW5-07-24 MW5-07-24_061809 6/18/2009 C9F190331005				MW5-18-26 MW5-18-26_061709 6/17/2009 C9F180195002				MW5-41-19 MW5-41-19_061709 6/17/2009 C9F180195001				MW6-02-27 MW6-02-27_061909 6/19/2009 C9F200181004			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
2-Acetylaminofluorene (2AAF)	53-96-3	680	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Acenaphthene	83-32-9	3800	ug/l	0.044	1.14	J B	0.23	ND	1.09		0.22	ND	1.09		0.22	1.7	1.09	B	0.22	0.47	1.05		0.21	0.096	1.05	J	0.21	ND	1.04		0.21	0.032	1.05	J B	0.21
Acenaphthylene	208-96-8	16000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	0.47	1.05		0.21	0.041	1.05	J	0.21	ND	1.04		0.21	ND	1.05		0.21
Acetophenone	98-86-2	10000	ug/l	ND	1.14		1.1	0.037	1.09	J	1.1	0.054	1.09	J	1.1	0.045	1.09	J	1.1	0.099	1.05	J	1	0.045	1.05	J	1	ND	1.04		1	0.026	1.05	J	1
4-Aminobiphenyl	92-67-1	120	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Aniline	62-53-3	5.8	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	0.9	1.05	J	1	0.35	1.05	J	1	ND	1.04		1	ND	1.05		1
Anthracene	120-12-7	66	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	0.029	1.09	J	0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	0.031	1.05	J	0.21
Aramite	140-57-8	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Benzo(a)anthracene	56-55-3	11	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	0.071	1.05	J	0.21
Benzo(a)pyrene	50-32-8	3.8	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Benzo(b)fluoranthene	205-99-2	1.2	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Benzo(ghi)perylene	191-24-2	0.26	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Benzo(k)fluoranthene	207-08-9	0.55	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Benzyl alcohol	100-51-6	31000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	0.19	1.09	J	1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Bis(2-Chloroethoxy)methane	111-91-1	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Bis(2-Chloroethyl)ether	111-44-4	55	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Bis(2-Chloroisopropyl)ether	108-60-1	30000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Bis(2-Ethylhexyl)phthalate	117-81-7	290	ug/l	1.6	1.14	B	1.1	1.8	1.09	B	1.1	1	1.09	J B	1.1	1.1	1.09	B	1.1	4.5	1.05	B	1	1.1	1.05	B	1	0.46	1.04	J B	1	0.89	1.05	J B	1
4-Bromophenyl-phenylether	101-55-3	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Butylbenzylphthalate	85-68-7	2700	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
4-Chloro-3-methylphenol	59-50-7	510	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
4-Chloroaniline	106-47-8	410	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	0.14	1.05	J	1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Chlorobenzilate	510-15-6	9600	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2-Chloronaphthalene	91-58-7	8200	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
2-Chlorophenol	95-57-8	40	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
4-Chlorophenyl-phenylether	7005-72-3	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Chrysene	218-01-9	1.9	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	0.075	1.05	J	0.21
o-Cresol (2-Methylphenol)	95-48-7	510000	ug/l	ND	1.14		1.1	0.059	1.09	J	1.1	0.094	1.09	J	1.1	ND	1.09		1.1	0.89	1.05	J	1	0.28	1.05	J	1	ND	1.04		1	ND	1.05		1
Diallate	2303-16-4	1000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Dibenz(a,h)anthracene	53-70-3	0.6	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Dibenzofuran	132-64-9	5	ug/l	0.04	1.14	J B	1.1	0.045	1.09	J B	1.1	0.061	1.09	J B	1.1	0.043	1.09	J B	1.1	0.1	1.05	J B	1	0.051	1.05	J B	1	0.031	1.04	J B	1	0.047	1.05	J B	1
1,4- Dichlorobenzene	106-46-7	7500	ug/l	0.38	1.14		0.23	0.25	1.09		0.22	0.38	1.09		0.22	0.29	1.09		0.22	0.22	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	0.38	1.05		0.21
1,2-Dichlorobenzene	95-50-1	60000	ug/l	0.1	1.14	J	0.23	0.054	1.09	J	0.22	0.09	1.09	J	0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	0.082	1.05	J	0.21
1,3-Dichlorobenzene	541-73-1	60000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
3,3'-Dichlorobenzidine	91-94-1	3100	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2,6-Dichlorophenol	87-65-0	NS	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
2,4-Dichlorophenol	120-83-2	20000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Diethylphthalate	84-66-2	1100000	ug/l	0.072	1.14	J B	1.1	0.16	1.09	J B	1.1	0.12	1.09	J B	1.1	0.14	1.09	J B	1.1	0.055	1.05	J B	1	0.076	1.05	J	1	0.15	1.04	J	1	0.37	1.05	J B	1
Dimethoate	60-51-5	20000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
p-Dimethylaminoazobenzene	60-11-7	570	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
7,12-Dimethylbenz(a)anthracene	57-97-6	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
3,3'-Dimethylbenzidine	119-93-7	280	ug/l	ND	1.14		11	ND	1.09		11	ND	1.09		11	ND	1.09		11	ND	1.05		10	ND	1.05		10	ND	1.04		10	ND	1.05		10
2,4-Dimethylphenol	105-67-9	2000000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	0.95	1.05	J	1	0.18	1.05	J	1	ND	1.04		1	ND	1.05		1
Dimethylphthalate	131-11-3	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Di-n-butylphthalate	84-74-2	400000	ug/l	ND	1.14		1.1	ND	1.09		1.1	0.14	1.09	J B	1.1	0.12	1.09	J B	1.1	0.1	1.05	J B	1	0.094	1.05	J B	1	0.12	1.04	J B	1	0.11	1.05	J B	1
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/l	ND	1.14		***5.7***	ND	1.09		***5.4***	ND	1.09		***5.4***	ND	1.09		***5.4***	ND	1.05		***5.2***	ND	1.05		***5.2***	ND	1.04		***5.2***	ND	1.05		***5.2***
1,3-Dinitrobenzene	99-65-0	1000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2,4-Dinitrophenol	51-28-5	410	ug/l	ND	1.14		5.7	ND	1.09		5.4	ND	1.09		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.05		5.2	ND	1.04		5.2	ND	1.05		5.2
2,4-Dinitrotoluene	121-14-2	8400	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	0.64	1.04	J	1	ND	1.05		1
2,6-Dinitrotoluene	606-20-2	100000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Dinoseb	88-85-7	700	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Disulfoton	298-04-4	30	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Ethyl methanesulfonate	62-50-0	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Famphur	52-85-7	5	ug/l	ND	1.14		***11***	ND	1.09		***11***	ND	1.09		***11***	ND	1.09		***11***	ND	1.05		***10***	ND	1.05		***10***	ND	1.04		***10***	ND	1.05		***10***
Fluoranthene	206-44-0	260	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	0.033	1.09	J	0.22	0.088	1.05	J	0.21	ND	1.05		0.21	ND	1.04		0.21	0.12	1.05	J	0.21
Fluorene	86-73-7	1900	ug/l	0.055	1.14	J	0.23	0.035	1.09	J	0.22	0.042	1.09	J	0.22	0.042	1.09	J	0.22	0.19	1.05	J	0.21	0.049	1.05	J	0.21	ND	1.04		0.21	0.045	1.05	J	0.21
Hexachlorobenzene	118-74-1	6	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Hexachlorobutadiene	87-68-3	1000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Hexachlorocyclopentadiene	77-47-4	1800	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW6-05-28 MW6-05-28_061909 6/19/2009 C9F200181007				MW6-06-24 MW6-06-24_061909 6/19/2009 C9F200181008				MW6-08-28 MW6-08-28_061809 6/18/2009 C9F190331009				MW6-12-42 MW6-12-42_061809 6/18/2009 C9F190331010				MW6-20-37 MW6-20-37_061909 6/19/2009 C9F200181005				MW7-04-26 MW7-04-26_061809 6/18/2009 C9F190331008				MW7-05-28 MW7-05-28_061809 6/18/2009 C9F190331007			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
2-Acetylaminofluorene (2AAF)	53-96-3	680	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Acenaphthene	83-32-9	3800	ug/l	ND	1.08		0.22	0.032	1.06	J B	0.21	0.072	1.18	J	0.24	0.034	1.1	J	0.22	ND	1.08		0.22	0.032	1.16	J	0.23	ND	1.1		0.22
Acenaphthylene	208-96-8	16000	ug/l	ND	1.08		0.22	ND	1.06		0.21	0.041	1.18	J	0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Acetophenone	98-86-2	10000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	0.025	1.1	J	1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
4-Aminobiphenyl	92-67-1	120	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Aniline	62-53-3	5.8	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Anthracene	120-12-7	66	ug/l	ND	1.08		0.22	0.025	1.06	J	0.21	0.028	1.18	J	0.24	ND	1.1		0.22	ND	1.08		0.22	0.03	1.16	J	0.23	ND	1.1		0.22
Aramite	140-57-8	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Benzo(a)anthracene	56-55-3	11	ug/l	ND	1.08		0.22	ND	1.06		0.21	0.069	1.18	J	0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Benzo(a)pyrene	50-32-8	3.8	ug/l	ND	1.08		0.22	ND	1.06		0.21	1	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	1	1.16		0.23	ND	1.1		0.22
Benzo(b)fluoranthene	205-99-2	1.2	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Benzo(ghi)perylene	191-24-2	0.26	ug/l	ND	1.08		0.22	ND	1.06		0.21	**0.88**	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	**0.84**	1.16		0.23	ND	1.1		0.22
Benzo(k)fluoranthene	207-08-9	0.55	ug/l	ND	1.08		0.22	ND	1.06		0.21	0.11	1.18	J	0.24	ND	1.1		0.22	ND	1.08		0.22	0.073	1.16	J	0.23	ND	1.1		0.22
Benzyl alcohol	100-51-6	31000	ug/l	ND	1.08		1.1	ND	1.06		1.1	0.12	1.18	J	1.2	0.12	1.1	J	1.1	ND	1.08		1.1	0.13	1.16	J	1.2	0.13	1.1	J	1.1
Bis(2-Chloroethoxy)methane	111-91-1	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Bis(2-Chloroethyl)ether	111-44-4	55	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Bis(2-Chloroisopropyl)ether	108-60-1	30000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Bis(2-Ethylhexyl)phthalate	117-81-7	290	ug/l	0.65	1.08	J B	1.1	1.5	1.06	B	1.1	2.3	1.18	B	1.2	11	1.1	B	1.1	0.9	1.08	J B	1.1	8	1.16	B	1.2	3.6	1.1	B	1.1
4-Bromophenyl-phenylether	101-55-3	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Butylbenzylphthalate	85-68-7	2700	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	0.76	1.1	J	1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
4-Chloro-3-methylphenol	59-50-7	510	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
4-Chloroaniline	106-47-8	410	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Chlorobenzilate	510-15-6	9600	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2-Chloronaphthalene	91-58-7	8200	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
2-Chlorophenol	95-57-8	40	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
4-Chlorophenyl-phenylether	7005-72-3	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Chrysene	218-01-9	1.9	ug/l	ND	1.08		0.22	ND	1.06		0.21	0.096	1.18	J	0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
o-Cresol (2-Methylphenol)	95-48-7	510000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Diallate	2303-16-4	1000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Dibenz(a,h)anthracene	53-70-3	0.6	ug/l	ND	1.08		0.22	ND	1.06		0.21	**1.5**	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	**1.4**	1.16		0.23	ND	1.1		0.22
Dibenzofuran	132-64-9	5	ug/l	0.02	1.08	J B	1.1	0.036	1.06	J B	1.1	0.058	1.18	J B	1.2	0.029	1.1	J B	1.1	0.04	1.08	J B	1.1	0.032	1.16	J B	1.2	0.023	1.1	J B	1.1
1,4- Dichlorobenzene	106-46-7	7500	ug/l	0.25	1.08		0.22	0.34	1.06		0.21	0.29	1.18		0.24	0.21	1.1	J	0.22	0.43	1.08		0.22	0.3	1.16		0.23	0.24	1.1		0.22
1,2-Dichlorobenzene	95-50-1	60000	ug/l	ND	1.08		0.22	0.18	1.06	J	0.21	ND	1.18		0.24	ND	1.1		0.22	0.14	1.08	J	0.22	ND	1.16		0.23	ND	1.1		0.22
1,3-Dichlorobenzene	541-73-1	60000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	0.07	1.08	J	0.22	ND	1.16		0.23	ND	1.1		0.22
3,3'-Dichlorobenzidine	91-94-1	3100	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2,6-Dichlorophenol	87-65-0	NS	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
2,4-Dichlorophenol	120-83-2	20000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Diethylphthalate	84-66-2	1100000	ug/l	ND	1.08		1.1	0.084	1.06	J B	1.1	0.16	1.18	J B	1.2	0.23	1.1	J B	1.1	0.086	1.08	J B	1.1	0.12	1.16	J B	1.2	0.13	1.1	J B	1.1
Dimethoate	60-51-5	20000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
p-Dimethylaminoazobenzene	60-11-7	570	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
7,12-Dimethylbenz(a)anthracene	57-97-6	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
3,3'-Dimethylbenzidine	119-93-7	280	ug/l	ND	1.08		11	ND	1.06		11	ND	1.18		12	ND	1.1		11	ND	1.08		11	ND	1.16		12	ND	1.1		11
2,4-Dimethylphenol	105-67-9	2000000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Dimethylphthalate	131-11-3	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Di-n-butylphthalate	84-74-2	400000	ug/l	0.062	1.08	J B	1.1	0.14	1.06	J B	1.1	0.2	1.18	J B	1.2	0.29	1.1	J B	1.1	0.096	1.08	J B	1.1	0.19	1.16	J B	1.2	0.13	1.1	J B	1.1
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/l	ND	1.08		***5.4***	ND	1.06		***5.3***	ND	1.18		***5.9***	ND	1.1		***5.5***	ND	1.08		***5.4***	ND	1.16		***5.8***	ND	1.1		***5.5***
1,3-Dinitrobenzene	99-65-0	1000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2,4-Dinitrophenol	51-28-5	410	ug/l	ND	1.08		5.4	ND	1.06		5.3	ND	1.18		5.9	ND	1.1		5.5	ND	1.08		5.4	ND	1.16		5.8	ND	1.1		5.5
2,4-Dinitrotoluene	121-14-2	8400	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2,6-Dinitrotoluene	606-20-2	100000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Dinoseb	88-85-7	700	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Disulfoton	298-04-4	30	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Ethyl methanesulfonate	62-50-0	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Famphur	52-85-7	5	ug/l	ND	1.08		***11***	ND	1.06		***11***	ND	1.18		***12***	ND	1.1		***11***	ND	1.08		***11***	ND	1.16		***12***	ND	1.1		***11***
Fluoranthene	206-44-0	260	ug/l	ND	1.08		0.22	0.047	1.06	J	0.21	0.071	1.18	J	0.24	0.035	1.1	J	0.22	ND	1.08		0.22	0.031	1.16	J	0.23	0.016	1.1	J	0.22
Fluorene	86-73-7	1900	ug/l	0.018	1.08	J	0.22	0.03	1.06	J	0.21	0.057	1.18	J	0.24	0.025	1.1	J	0.22	0.037	1.08	J	0.22	0.03	1.16	J	0.23	0.023	1.1	J	0.22
Hexachlorobenzene	118-74-1	6	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Hexachlorobutadiene	87-68-3	1000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
Hexachlorocyclopentadiene	77-47-4	1800	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	FB-01 FB-01_061709 6/17/2009 C9F180195005				FB-02 FB-02_061809 6/18/2009 C9F190331011				FB-03 FB-03_061909 6/19/2009 C9F200181014				TB-01 TB-01_061709 C9F180195006 39981				TB-02 TB-02_061809 C9F190331015 39982				TB-03 TB-03_061909 C9F200181015 39983			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
2-Acetylaminofluorene (2AAF)	53-96-3	680	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
a,a-Dimethylphenethylamine	122-09-8	5	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	83-32-9	3800	ug/l	0.025	1.1	J	0.23	0.057	1.04	J	0.21	0.032	1.05	J B	0.21	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	208-96-8	16000	ug/l	ND	1.1		1.2	0.034	1.04	J	0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	98-86-2	10000	ug/l	0.071	1.1	J	0.23	0.054	1.04	J	1	0.065	1.05	J	1	-	-	-	-	-	-	-	-	-	-	-	-
4-Aminobiphenyl	92-67-1	120	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	62-53-3	5.8	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	120-12-7	66	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Aramite	140-57-8	NS	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	56-55-3	11	ug/l	ND	1.1		0.23	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	50-32-8	3.8	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	205-99-2	1.2	ug/l	ND	1.1		***5.8***	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	191-24-2	0.26	ug/l	ND	1.1		***1.2***	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	207-08-9	0.55	ug/l	ND	1.1		0.23	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl alcohol	100-51-6	31000	ug/l	ND	1.1		1.2	0.15	1.04	J	1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroethoxy)methane	111-91-1	5	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroethyl)ether	111-44-4	55	ug/l	ND	1.1		0.23	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroisopropyl)ether	108-60-1	30000	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Ethylhexyl)phthalate	117-81-7	290	ug/l	0.78	1.1	J B	1.2	15	1.04	B	1	0.94	1.05	J B	1	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl-phenylether	101-55-3	5	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	85-68-7	2700	ug/l	ND	1.1		1.2	0.66	1.04	J	1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	59-50-7	510	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	106-47-8	410	ug/l	ND	1.1		5.8	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzilate	510-15-6	9600	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	91-58-7	8200	ug/l	ND	1.1		1.2	0.038	1.04	J	0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	95-57-8	40	ug/l	ND	1.1		12	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl-phenylether	7005-72-3	5	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	218-01-9	1.9	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
o-Cresol (2-Methylphenol)	95-48-7	510000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Diallate	2303-16-4	1000	ug/l	ND	1.1		5.8	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	53-70-3	0.6	ug/l	ND	1.1		***5.8***	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	132-64-9	5	ug/l	0.038	1.1	J B	1.2	0.056	1.04	J B	1	0.05	1.05	J B	1	-	-	-	-	-	-	-	-	-	-	-	-
1,4- Dichlorobenzene	106-46-7	7500	ug/l	0.15	1.1	J	1.2	0.2	1.04	J	0.21	0.33	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	95-50-1	60000	ug/l	0.072	1.1	J	1.2	0.067	1.04	J	0.21	0.082	1.05	J	0.21	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	541-73-1	60000	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	91-94-1	3100	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dichlorophenol	87-65-0	NS	ug/l	ND	1.1		5.8	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	120-83-2	20000	ug/l	ND	1.1		12	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	84-66-2	1100000	ug/l	0.11	1.1	J	12	0.16	1.04	J B	1	0.1	1.05	J B	1	-	-	-	-	-	-	-	-	-	-	-	-
Dimethoate	60-51-5	20000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
p-Dimethylaminoazobenzene	60-11-7	570	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
7,12-Dimethylbenz(a)anthracene	57-97-6	NS	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dimethylbenzidine	119-93-7	280	ug/l	ND	1.1		0.23	ND	1.04		10	ND	1.05		10	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	105-67-9	2000000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	131-11-3	5	ug/l	0.21	1.1	J	1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	84-74-2	400000	ug/l	0.12	1.1	J B	0.23	0.17	1.04	J B	1	0.1	1.05	J B	1	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	534-52-1	5	ug/l	ND	1.1		1.2	ND	1.04		***5.2***	ND	1.05		***5.2***	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dinitrobenzene	99-65-0	1000	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	51-28-5	410	ug/l	ND	1.1		0.23	ND	1.04		5.2	ND	1.05		5.2	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	121-14-2	8400	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	606-20-2	100000	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Dinoseb	88-85-7	700	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Disulfoton	298-04-4	30	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl methanesulfonate	62-50-0	5	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Famphur	52-85-7	5	ug/l	ND	1.1		0.23	ND	1.04		***10***	ND	1.05		***10***	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	206-44-0	260	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	86-73-7	1900	ug/l	ND	1.1		0.23	ND	1.04		0.21	0.043	1.05	J	0.21	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	118-74-1	6	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	87-68-3	1000	ug/l	ND	1.1		4.6	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	77-47-4	1800	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW1-02-31 MW1-02-31_061809 6/18/2009 C9F190331006				MW1-12-29 MW1-12-29_061809 6/18/2009 C9F190331004				MW1-15-29 MW1-15-29_061909 6/19/2009 C9F200181009				MW1-23-47 MW1-23-47_061909 6/19/2009 C9F200181001				MW1-26-27 MW1-26-27_061709 6/17/2009 C9F180195003				MW1-28-74 MW1-28-74_061809 6/18/2009 C9F190331012				MW2-01-22 MW2-01-22_061809 6/18/2009 C9F190331013			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Hexachloroethane	67-72-1	100	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Hexachloropropene	1888-71-7	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Indeno(1,2,3-cd)pyrene	193-39-5	62	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Isodrin	465-73-6	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Isophorone	78-59-1	100000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Isosafrole	120-58-1	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Kepone	143-50-0	160	ug/l	ND	1.04		4.2	ND	1.06		4.2	ND	1.1		4.4	ND	1.05		4.2	ND	1.1		4.4	ND	1.11		4.4	ND	1.09		4.4
Methapyrilene	91-80-5	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Methyl methanesulfonate	66-27-3	26	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Methyl parathion	298-00-0	200	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
3-Methylcholanthrene	56-49-5	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2-Methylnaphthalene	91-57-6	2000	ug/l	0.017	1.04	J	0.21	ND	1.06		0.21	0.021	1.1	J B	0.22	0.028	1.05	J B	0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.04		1	ND	1.06		1.1	0.025	1.1	J	1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	0.066	1.09	J	1.1
Naphthalene	91-20-3	30000	ug/l	ND	1.04		0.21	ND	1.06		0.21	0.031	1.1	J B	0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
1,4-Naphthoquinone	130-15-4	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
1-Naphthylamine	134-32-7	1400	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2-Naphthylamine	91-59-8	1400	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2-Nitroaniline	88-74-4	5.8	ug/l	ND	1.04		5.2	ND	1.06		5.3	ND	1.1		5.5	ND	1.05		5.2	ND	1.1		5.5	ND	1.11		5.6	ND	1.09		5.4
3-Nitroaniline	99-09-2	5.8	ug/l	ND	1.04		5.2	ND	1.06		5.3	ND	1.1		5.5	ND	1.05		5.2	ND	1.1		5.5	ND	1.11		5.6	ND	1.09		5.4
4-Nitroaniline	100-01-6	5.8	ug/l	ND	1.04		5.2	ND	1.06		5.3	ND	1.1		5.5	ND	1.05		5.2	ND	1.1		5.5	ND	1.11		5.6	ND	1.09		5.4
Nitrobenzene	98-95-3	51000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
5-Nitro-o-toluidine	99-55-8	NS	ug/l	ND	1.04		10	ND	1.06		11	ND	1.1		11	ND	1.05		10	ND	1.1		11	ND	1.11		11	ND	1.09		11
2-Nitrophenol	88-75-5	820000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
4-Nitrophenol	100-02-7	60000	ug/l	ND	1.04		5.2	ND	1.06		5.3	ND	1.1		5.5	ND	1.05		5.2	ND	1.1		5.5	ND	1.11		5.6	ND	1.09		5.4
4-Nitroquinoline-1-oxide	56-57-5	5	ug/l	ND	1.04		***10***	ND	1.06		***11***	ND	1.1		***11***	ND	1.05		***10***	ND	1.1		***11***	ND	1.11		***11***	ND	1.09		***11***
N-Nitrosodiethylamine	55-18-5	0.043	ug/l	ND	1.04		***1***	ND	1.06		***1.1***	ND	1.1		***1.1***	ND	1.05		***1***	ND	1.1		***1.1***	ND	1.11		***1.1***	ND	1.09		***1.1***
N-Nitrosodimethylamine	62-75-9	0.13	ug/l	ND	1.04		***1***	ND	1.06		***1.1***	ND	1.1		***1.1***	ND	1.05		***1***	ND	1.1		***1.1***	ND	1.11		***1.1***	ND	1.09		***1.1***
N-Nitroso-di-n-butylamine	924-16-3	11	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
N-nitrosodi-n-propylamine	621-64-7	370	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
N-nitrosodiphenylamine	86-30-6	35000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
N-Nitrosomethylethylamine	10595-95-6	NS	ug/l	ND	1.04		1	0.64	1.06	J	1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
N-Nitrosomorpholine	59-89-2	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
N-Nitrosopiperidine	100-75-4	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
N-Nitrosopyrrolidine	930-55-2	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Di-n-octylphthalate	117-84-0	3000	ug/l	ND	1.04		1	0.92	1.06	J	1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	0.84	1.09	J	1.1
Parathion	56-38-2	610	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Pentachlorobenzene	608-93-5	740	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Pentachloroethane	76-01-7	5	ug/l	ND	1.04		2.1	ND	1.06		2.1	ND	1.1		2.2	ND	1.05		2.1	ND	1.1		2.2	ND	1.11		2.2	ND	1.09		2.2
Pentachloronitrobenzene	82-68-8	440	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Pentachlorophenol	87-86-5	1000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Phenacetin	62-44-2	760000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Phenanthrene	85-01-8	1100	ug/l	0.079	1.04	J B	0.21	0.18	1.06	J B	0.21	0.14	1.1	J B	0.22	0.11	1.05	J B	0.21	0.095	1.1	J B	0.22	0.075	1.11	J B	0.22	0.088	1.09	J B	0.22
Phenol	108-95-2	400000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	0.076	1.11	J	0.22	ND	1.09		0.22
p-Phenylene diamine	106-50-3	NS	ug/l	ND	1.04		42	ND	1.06		42	ND	1.1		44	ND	1.05		42	ND	1.1		44	ND	1.11		44	ND	1.09		44
Phorate	298-02-2	4.1	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2-Picoline	109-06-8	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Pronamide	23950-58-5	50	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Pyrene	129-00-0	130	ug/l	ND	1.04		0.21	0.037	1.06	J	0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
Pyridine	110-86-1	200	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Safrole	94-59-7	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Sulfotepp	3689-24-5	10	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
1,2,4,5-Tetrachlorobenzene	95-94-3	580	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2,3,4,6-Tetrachlorophenol	58-90-2	61000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
Thionazin	297-97-2	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
o-Toluidine	95-53-4	11000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
1,2,4-Trichlorobenzene	120-82-1	44000	ug/l	ND	1.04		0.21	ND	1.06		0.21	ND	1.1		0.22	ND	1.05		0.21	ND	1.1		0.22	ND	1.11		0.22	ND	1.09		0.22
2,4,5-Trichlorophenol	95-95-4	1000000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
2,4,6-Trichlorophenol	88-06-2	31000	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
O,O,O-Triethyl phosphorothioate	126-68-1	5	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1
1,3,5-Trinitrobenzene	99-35-4	NS	ug/l	ND	1.04		1	ND	1.06		1.1	ND	1.1		1.1	ND	1.05		1	ND	1.1		1.1	ND	1.11		1.1	ND	1.09		1.1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID	MW2-03-33				MW3-02-27				MW3-02-27				MW3-12-31				MW3-29-29				MW4-02-24				MW4-10-23				MW4-11-33			
			Sample ID	MW2-03-33_061909				MW3-02-27_061809				DUP-01_061809				MW3-12-31_061909				MW3-29-29_061809				MW4-02-24_061809				MW4-10-23_061709				MW4-11-33_061909			
			Sample Date	6/19/2009				6/18/2009				6/18/2009				6/19/2009				6/18/2009				6/18/2009				6/17/2009				6/19/2009			
			Lab Id	C9F200181010				C9F190331001				C9F190331002				C9F200181002				C9F190331003				C9F190331014				C9F180195004				C9F200181003			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Hexachloroethane	67-72-1	100	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Hexachloropropene	1888-71-7	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Indeno(1,2,3-cd)pyrene	193-39-5	62	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	1.2	1.1		0.22	3.6	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
Isodrin	465-73-6	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Isophorone	78-59-1	100000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Isosafrole	120-58-1	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Kepone	143-50-0	160	ug/l	ND	1.08		4.3	ND	1.04		4.2	ND	1.04		4.2	ND	1.05		4.2	ND	1.1		4.4	ND	1.12		4.5	ND	1.12		4.5	ND	1.04		4.2
Methapyrilene	91-80-5	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Methyl methanesulfonate	66-27-3	26	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Methyl parathion	298-00-0	200	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
3-Methylcholanthrene	56-49-5	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2-Methylnaphthalene	91-57-6	2000	ug/l	0.019	1.08	J B	0.22	0.062	1.04	J	0.21	0.055	1.04	J	0.21	0.14	1.05	J B	0.21	ND	1.1		0.22	0.021	1.12	J	0.22	ND	1.12		0.22	0.02	1.04	J B	0.21
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	0.5	1.05	J	1	ND	1.1		1.1	0.049	1.12	J	1.1	4	1.12		1.1	0.2	1.04	J	1
Naphthalene	91-20-3	30000	ug/l	ND	1.08		0.22	0.42	1.04		0.21	0.43	1.04		0.21	0.23	1.05	B	0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	0.055	1.04	J B	0.21
1,4-Naphthoquinone	130-15-4	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
1-Naphthylamine	134-32-7	1400	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2-Naphthylamine	91-59-8	1400	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2-Nitroaniline	88-74-4	5.8	ug/l	ND	1.08		5.4	ND	1.04		5.2	ND	1.04		5.2	ND	1.05		5.2	ND	1.1		5.5	ND	1.12		5.6	ND	1.12		5.6	ND	1.04		5.2
3-Nitroaniline	99-09-2	5.8	ug/l	ND	1.08		5.4	ND	1.04		5.2	ND	1.04		5.2	ND	1.05		5.2	ND	1.1		5.5	ND	1.12		5.6	ND	1.12		5.6	ND	1.04		5.2
4-Nitroaniline	100-01-6	5.8	ug/l	ND	1.08		5.4	ND	1.04		5.2	ND	1.04		5.2	ND	1.05		5.2	ND	1.1		5.5	ND	1.12		5.6	ND	1.12		5.6	ND	1.04		5.2
Nitrobenzene	98-95-3	51000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
5-Nitro-o-toluidine	99-55-8	NS	ug/l	ND	1.08		11	ND	1.04		10	ND	1.04		10	ND	1.05		10	ND	1.1		11	ND	1.12		11	ND	1.12		11	ND	1.04		10
2-Nitrophenol	88-75-5	820000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
4-Nitrophenol	100-02-7	60000	ug/l	ND	1.08		5.4	ND	1.04		5.2	ND	1.04		5.2	ND	1.05		5.2	ND	1.1		5.5	ND	1.12		5.6	ND	1.12		5.6	ND	1.04		5.2
4-Nitroquinoline-1-oxide	56-57-5	5	ug/l	ND	1.08		***11***	ND	1.04		***10***	ND	1.04		***10***	ND	1.05		***10***	ND	1.1		***11***	ND	1.12		***11***	ND	1.12		***11***	ND	1.04		***10***
N-Nitrosodiethylamine	55-18-5	0.043	ug/l	ND	1.08		***1.1***	ND	1.04		***1***	ND	1.04		***1***	ND	1.05		***1***	ND	1.1		***1.1***	ND	1.12		***1.1***	ND	1.12		***1.1***	ND	1.04		***1***
N-Nitrosodimethylamine	62-75-9	0.13	ug/l	ND	1.08		***1.1***	ND	1.04		***1***	ND	1.04		***1***	ND	1.05		***1***	ND	1.1		***1.1***	ND	1.12		***1.1***	ND	1.12		***1.1***	ND	1.04		***1***
N-Nitroso-di-n-butylamine	924-16-3	11	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
N-nitrosodi-n-propylamine	621-64-7	370	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
N-nitrosodiphenylamine	86-30-6	35000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
N-Nitrosomethylethylamine	10595-95-6	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
N-Nitrosomorpholine	59-89-2	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
N-Nitrosopiperidine	100-75-4	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
N-Nitrosopyrrolidine	930-55-2	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Di-n-octylphthalate	117-84-0	3000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	0.94	1.1	J	1.1	2.1	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Parathion	56-38-2	610	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Pentachlorobenzene	608-93-5	740	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Pentachloroethane	76-01-7	5	ug/l	ND	1.08		2.2	ND	1.04		2.1	ND	1.04		2.1	ND	1.05		2.1	ND	1.1		2.2	ND	1.12		2.2	ND	1.12		2.2	ND	1.04		2.1
Pentachloronitrobenzene	82-68-8	440	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Pentachlorophenol	87-86-5	1000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Phenacetin	62-44-2	760000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Phenanthrene	85-01-8	1100	ug/l	0.15	1.08	J B	0.22	0.43	1.04	B	0.21	0.4	1.04	B	0.21	0.2	1.05	J B	0.21	0.066	1.1	J B	0.22	0.36	1.12	B	0.22	0.1	1.12	J B	0.22	0.11	1.04	J B	0.21
Phenol	108-95-2	400000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	0.66	1.12		0.22	ND	1.04		0.21
p-Phenylene diamine	106-50-3	NS	ug/l	ND	1.08		43	ND	1.04		42	ND	1.04		42	ND	1.05		42	ND	1.1		44	ND	1.12		45	ND	1.12		45	ND	1.04		42
Phorate	298-02-2	4.1	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2-Picoline	109-06-8	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Pronamide	23950-58-5	50	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Pyrene	129-00-0	130	ug/l	ND	1.08		0.22	0.58	1.04		0.21	0.53	1.04		0.21	0.083	1.05	J	0.21	0.062	1.1	J	0.22	0.74	1.12		0.22	ND	1.12		0.22	0.034	1.04	J	0.21
Pyridine	110-86-1	200	ug/l	0.32	1.08	J B	1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Safrole	94-59-7	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Sulfotepp	3689-24-5	10	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
1,2,4,5-Tetrachlorobenzene	95-94-3	580	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2,3,4,6-Tetrachlorophenol	58-90-2	61000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
Thionazin	297-97-2	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
o-Toluidine	95-53-4	11000	ug/l	ND	1.08		1.1	4.6	1.04		1	4.5	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
1,2,4-Trichlorobenzene	120-82-1	44000	ug/l	ND	1.08		0.22	ND	1.04		0.21	ND	1.04		0.21	ND	1.05		0.21	ND	1.1		0.22	ND	1.12		0.22	ND	1.12		0.22	ND	1.04		0.21
2,4,5-Trichlorophenol	95-95-4	1000000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
2,4,6-Trichlorophenol	88-06-2	31000	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
O,O,O-Triethyl phosphorothioate	126-68-1	5	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1
1,3,5-Trinitrobenzene	99-35-4	NS	ug/l	ND	1.08		1.1	ND	1.04		1	ND	1.04		1	ND	1.05		1	ND	1.1		1.1	ND	1.12		1.1	ND	1.12		1.1	ND	1.04		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW4-14-36 MW4-14-36_061909 6/19/2009 C9F200181006				MW4-30-63 MW4-30-63_061909 6/19/2009 C9F200181012				MW4-30-63 DUP-02_061909 6/19/2009 C9F200181013				MW4-33-25 MW4-33-25_061909 6/19/2009 C9F200181011				MW5-07-24 MW5-07-24_061809 6/18/2009 C9F190331005				MW5-18-26 MW5-18-26_061709 6/17/2009 C9F180195002				MW5-41-19 MW5-41-19_061709 6/17/2009 C9F180195001				MW6-02-27 MW6-02-27_061909 6/19/2009 C9F200181004			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Hexachloroethane	67-72-1	100	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Hexachloropropene	1888-71-7	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Indeno(1,2,3-cd)pyrene	193-39-5	62	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
Isodrin	465-73-6	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Isophorone	78-59-1	100000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	0.086	1.05	J	1	ND	1.04		1	ND	1.05		1
Isosafrole	120-58-1	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Kepone	143-50-0	160	ug/l	ND	1.14		4.6	ND	1.09		4.4	ND	1.09		4.4	ND	1.09		4.4	ND	1.05		4.2	ND	1.05		4.2	ND	1.04		4.2	ND	1.05		4.2
Methapyrilene	91-80-5	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Methyl methanesulfonate	66-27-3	26	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Methyl parathion	298-00-0	200	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
3-Methylcholanthrene	56-49-5	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2-Methylnaphthalene	91-57-6	2000	ug/l	0.022	1.14	J B	0.23	0.022	1.09	J B	0.22	0.025	1.09	J B	0.22	ND	1.09		0.22	0.16	1.05	J	0.21	0.037	1.05	J	0.21	ND	1.04		0.21	0.022	1.05	J B	0.21
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.14		1.1	0.065	1.09	J	1.1	0.098	1.09	J	1.1	0.026	1.09	J	1.1	ND	1.05		1	1	1.05		1	0.032	1.04	J	1	ND	1.05		1
Naphthalene	91-20-3	30000	ug/l	ND	1.14		0.23	ND	1.09		0.22	0.033	1.09	J B	0.22	0.035	1.09	J B	0.22	9.3	1.05		0.21	0.14	1.05	J	0.21	ND	1.04		0.21	0.057	1.05	J B	0.21
1,4-Naphthoquinone	130-15-4	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	0.41	1.05	J	1	ND	1.05		1	ND	1.04		1	ND	1.05		1
1-Naphthylamine	134-32-7	1400	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	0.22	1.05	J	1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2-Naphthylamine	91-59-8	1400	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	0.71	1.05	J	1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2-Nitroaniline	88-74-4	5.8	ug/l	ND	1.14		5.7	ND	1.09		5.4	ND	1.09		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.05		5.2	ND	1.04		5.2	ND	1.05		5.2
3-Nitroaniline	99-09-2	5.8	ug/l	ND	1.14		5.7	ND	1.09		5.4	ND	1.09		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.05		5.2	ND	1.04		5.2	ND	1.05		5.2
4-Nitroaniline	100-01-6	5.8	ug/l	ND	1.14		5.7	ND	1.09		5.4	ND	1.09		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.05		5.2	ND	1.04		5.2	ND	1.05		5.2
Nitrobenzene	98-95-3	51000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
5-Nitro-o-toluidine	99-55-8	NS	ug/l	ND	1.14		11	ND	1.09		11	ND	1.09		11	ND	1.09		11	ND	1.05		10	ND	1.05		10	ND	1.04		10	ND	1.05		10
2-Nitrophenol	88-75-5	820000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
4-Nitrophenol	100-02-7	60000	ug/l	ND	1.14		5.7	ND	1.09		5.4	ND	1.09		5.4	ND	1.09		5.4	ND	1.05		5.2	ND	1.05		5.2	ND	1.04		5.2	ND	1.05		5.2
4-Nitroquinoline-1-oxide	56-57-5	5	ug/l	ND	1.14		***11***	ND	1.09		***11***	ND	1.09		***11***	ND	1.09		***11***	ND	1.05		***10***	ND	1.05		***10***	ND	1.04		***10***	ND	1.05		***10***
N-Nitrosodiethylamine	55-18-5	0.043	ug/l	ND	1.14		***1.1***	ND	1.09		***1.1***	ND	1.09		***1.1***	ND	1.09		***1.1***	ND	1.05		***1***	ND	1.05		***1***	ND	1.04		***1***	ND	1.05		***1***
N-Nitrosodimethylamine	62-75-9	0.13	ug/l	ND	1.14		***1.1***	ND	1.09		***1.1***	ND	1.09		***1.1***	ND	1.09		***1.1***	ND	1.05		***1***	ND	1.05		***1***	ND	1.04		***1***	ND	1.05		***1***
N-Nitroso-di-n-butylamine	924-16-3	11	ug/l	0.91	1.14	J	1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
N-nitrosodi-n-propylamine	621-64-7	370	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
N-nitrosodiphenylamine	86-30-6	35000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
N-Nitrosomethylethylamine	10595-95-6	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
N-Nitrosomorpholine	59-89-2	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
N-Nitrosopiperidine	100-75-4	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
N-Nitrosopyrrolidine	930-55-2	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Di-n-octylphthalate	117-84-0	3000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	0.9	1.05	J B	1	ND	1.04		1	ND	1.05		1
Parathion	56-38-2	610	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Pentachlorobenzene	608-93-5	740	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Pentachloroethane	76-01-7	5	ug/l	ND	1.14		2.3	ND	1.09		2.2	ND	1.09		2.2	ND	1.09		2.2	ND	1.05		2.1	ND	1.05		2.1	ND	1.04		2.1	ND	1.05		2.1
Pentachloronitrobenzene	82-68-8	440	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Pentachlorophenol	87-86-5	1000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Phenacetin	62-44-2	760000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Phenanthrene	85-01-8	1100	ug/l	0.12	1.14	J B	0.23	0.13	1.09	J B	0.22	0.17	1.09	J B	0.22	0.16	1.09	J B	0.22	0.14	1.05	J B	0.21	0.15	1.05	J B	0.21	0.086	1.04	J B	0.21	0.18	1.05	J B	0.21
Phenol	108-95-2	400000	ug/l	ND	1.14		0.23	ND	1.09		0.22	0.13	1.09	J	0.22	ND	1.09		0.22	ND	1.05		0.21	5.5	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
p-Phenylene diamine	106-50-3	NS	ug/l	ND	1.14		46	ND	1.09		44	ND	1.09		44	ND	1.09		44	ND	1.05		42	ND	1.05		42	ND	1.04		42	ND	1.05		42
Phorate	298-02-2	4.1	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2-Picoline	109-06-8	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Pronamide	23950-58-5	50	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Pyrene	129-00-0	130	ug/l	ND	1.14		0.23	0.026	1.09	J	0.22	ND	1.09		0.22	0.034	1.09	J	0.22	0.051	1.05	J	0.21	0.037	1.05	J	0.21	ND	1.04		0.21	0.13	1.05	J	0.21
Pyridine	110-86-1	200	ug/l	ND	1.14		1.1	ND	1.09		1.1	0.1	1.09	J B	1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Safrole	94-59-7	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Sulfotepp	3689-24-5	10	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
1,2,4,5-Tetrachlorobenzene	95-94-3	580	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2,3,4,6-Tetrachlorophenol	58-90-2	61000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
Thionazin	297-97-2	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
o-Toluidine	95-53-4	11000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	1	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
1,2,4-Trichlorobenzene	120-82-1	44000	ug/l	ND	1.14		0.23	ND	1.09		0.22	ND	1.09		0.22	ND	1.09		0.22	ND	1.05		0.21	ND	1.05		0.21	ND	1.04		0.21	ND	1.05		0.21
2,4,5-Trichlorophenol	95-95-4	1000000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
2,4,6-Trichlorophenol	88-06-2	31000	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
O,O,O-Triethyl phosphorothioate	126-68-1	5	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1
1,3,5-Trinitrobenzene	99-35-4	NS	ug/l	ND	1.14		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.09		1.1	ND	1.05		1	ND	1.05		1	ND	1.04		1	ND	1.05		1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW6-05-28 MW6-05-28_061909 6/19/2009 C9F200181007				MW6-06-24 MW6-06-24_061909 6/19/2009 C9F200181008				MW6-08-28 MW6-08-28_061809 6/18/2009 C9F190331009				MW6-12-42 MW6-12-42_061809 6/18/2009 C9F190331010				MW6-20-37 MW6-20-37_061909 6/19/2009 C9F200181005				MW7-04-26 MW7-04-26_061809 6/18/2009 C9F190331008				MW7-05-28 MW7-05-28_061809 6/18/2009 C9F190331007			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Hexachloroethane	67-72-1	100	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Hexachloropropene	1888-71-7	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Indeno(1,2,3-cd)pyrene	193-39-5	62	ug/l	ND	1.08		0.22	ND	1.06		0.21	1.2	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	1.2	1.16		0.23	ND	1.1		0.22
Isodrin	465-73-6	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Isophorone	78-59-1	100000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Isosafrole	120-58-1	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Kepone	143-50-0	160	ug/l	ND	1.08		4.3	ND	1.06		4.2	ND	1.18		4.7	ND	1.1		4.4	ND	1.08		4.3	ND	1.16		4.6	ND	1.1		4.4
Methapyrilene	91-80-5	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Methyl methanesulfonate	66-27-3	26	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Methyl parathion	298-00-0	200	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
3-Methylcholanthrene	56-49-5	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2-Methylnaphthalene	91-57-6	2000	ug/l	ND	1.08		0.22	ND	1.06		0.21	0.023	1.18	J	0.24	ND	1.1		0.22	0.018	1.08	J B	0.22	0.04	1.16	J	0.23	ND	1.1		0.22
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	0.038	1.16	J	1.2	ND	1.1		1.1
Naphthalene	91-20-3	30000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	0.045	1.08	J B	0.22	ND	1.16		0.23	ND	1.1		0.22
1,4-Naphthoquinone	130-15-4	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	0.36	1.1	J	1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
1-Naphthylamine	134-32-7	1400	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2-Naphthylamine	91-59-8	1400	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2-Nitroaniline	88-74-4	5.8	ug/l	ND	1.08		5.4	ND	1.06		5.3	ND	1.18		***5.9***	ND	1.1		5.5	ND	1.08		5.4	ND	1.16		5.8	ND	1.1		5.5
3-Nitroaniline	99-09-2	5.8	ug/l	ND	1.08		5.4	ND	1.06		5.3	ND	1.18		***5.9***	ND	1.1		5.5	ND	1.08		5.4	ND	1.16		5.8	ND	1.1		5.5
4-Nitroaniline	100-01-6	5.8	ug/l	ND	1.08		5.4	ND	1.06		5.3	ND	1.18		***5.9***	ND	1.1		5.5	ND	1.08		5.4	ND	1.16		5.8	ND	1.1		5.5
Nitrobenzene	98-95-3	51000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
5-Nitro-o-toluidine	99-55-8	NS	ug/l	ND	1.08		11	ND	1.06		11	ND	1.18		12	ND	1.1		11	ND	1.08		11	ND	1.16		12	ND	1.1		11
2-Nitrophenol	88-75-5	820000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
4-Nitrophenol	100-02-7	60000	ug/l	ND	1.08		5.4	ND	1.06		5.3	ND	1.18		5.9	ND	1.1		5.5	ND	1.08		5.4	ND	1.16		5.8	ND	1.1		5.5
4-Nitroquinoline-1-oxide	56-57-5	5	ug/l	ND	1.08		***11***	ND	1.06		***11***	ND	1.18		***12***	ND	1.1		***11***	ND	1.08		***11***	ND	1.16		***12***	ND	1.1		***11***
N-Nitrosodiethylamine	55-18-5	0.043	ug/l	ND	1.08		***1.1***	ND	1.06		***1.1***	ND	1.18		***1.2***	ND	1.1		***1.1***	ND	1.08		***1.1***	ND	1.16		***1.2***	ND	1.1		***1.1***
N-Nitrosodimethylamine	62-75-9	0.13	ug/l	ND	1.08		***1.1***	ND	1.06		***1.1***	ND	1.18		***1.2***	ND	1.1		***1.1***	ND	1.08		***1.1***	ND	1.16		***1.2***	ND	1.1		***1.1***
N-Nitroso-di-n-butylamine	924-16-3	11	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
N-nitrosodi-n-propylamine	621-64-7	370	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
N-nitrosodiphenylamine	86-30-6	35000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
N-Nitrosomethylethylamine	10595-95-6	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
N-Nitrosomorpholine	59-89-2	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
N-Nitrosopiperidine	100-75-4	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
N-Nitrosopyrrolidine	930-55-2	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Di-n-octylphthalate	117-84-0	3000	ug/l	ND	1.08		1.1	ND	1.06		1.1	0.94	1.18	J	1.2	ND	1.1		1.1	ND	1.08		1.1	1.1	1.16	J	1.2	ND	1.1		1.1
Parathion	56-38-2	610	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Pentachlorobenzene	608-93-5	740	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Pentachloroethane	76-01-7	5	ug/l	ND	1.08		2.2	ND	1.06		2.1	ND	1.18		2.4	ND	1.1		2.2	ND	1.08		2.2	ND	1.16		2.3	ND	1.1		2.2
Pentachloronitrobenzene	82-68-8	440	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Pentachlorophenol	87-86-5	1000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Phenacetin	62-44-2	760000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Phenanthrene	85-01-8	1100	ug/l	0.068	1.08	J B	0.22	0.14	1.06	J B	0.21	0.14	1.18	J B	0.24	0.096	1.1	J B	0.22	0.11	1.08	J B	0.22	0.12	1.16	J B	0.23	0.081	1.1	J B	0.22
Phenol	108-95-2	400000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
p-Phenylene diamine	106-50-3	NS	ug/l	ND	1.08		43	ND	1.06		42	ND	1.18		47	ND	1.1		44	ND	1.08		43	ND	1.16		46	ND	1.1		44
Phorate	298-02-2	4.1	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2-Picoline	109-06-8	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Pronamide	23950-58-5	50	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Pyrene	129-00-0	130	ug/l	ND	1.08		0.22	0.045	1.06	J	0.21	0.066	1.18	J	0.24	ND	1.1		0.22	ND	1.08		0.22	0.026	1.16	J	0.23	ND	1.1		0.22
Pyridine	110-86-1	200	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Safrole	94-59-7	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Sulfotepp	3689-24-5	10	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
1,2,4,5-Tetrachlorobenzene	95-94-3	580	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2,3,4,6-Tetrachlorophenol	58-90-2	61000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
Thionazin	297-97-2	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
o-Toluidine	95-53-4	11000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
1,2,4-Trichlorobenzene	120-82-1	44000	ug/l	ND	1.08		0.22	ND	1.06		0.21	ND	1.18		0.24	ND	1.1		0.22	ND	1.08		0.22	ND	1.16		0.23	ND	1.1		0.22
2,4,5-Trichlorophenol	95-95-4	1000000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
2,4,6-Trichlorophenol	88-06-2	31000	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
O,O,O-Triethyl phosphorothioate	126-68-1	5	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1
1,3,5-Trinitrobenzene	99-35-4	NS	ug/l	ND	1.08		1.1	ND	1.06		1.1	ND	1.18		1.2	ND	1.1		1.1	ND	1.08		1.1	ND	1.16		1.2	ND	1.1		1.1

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	FB-01 FB-01_061709 6/17/2009 C9F180195005				FB-02 FB-02_061809 6/18/2009 C9F190331011				FB-03 FB-03_061909 6/19/2009 C9F200181014				TB-01 TB-01_061709 C9F180195006 39981				TB-02 TB-02_061809 C9F190331015 39982				TB-03 TB-03_061909 C9F200181015 39983			
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS (Method 8270)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Hexachloroethane	67-72-1	100	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloropropene	1888-71-7	5	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	62	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Isodrin	465-73-6	5	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	78-59-1	100000	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Isosafrole	120-58-1	5	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Kepone	143-50-0	160	ug/l	ND	1.1		1.2	ND	1.04		4.2	ND	1.05		4.2	-	-	-	-	-	-	-	-	-	-	-	-
Methapyrilene	91-80-5	NS	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Methyl methanesulfonate	66-27-3	26	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Methyl parathion	298-00-0	200	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
3-Methylcholanthrene	56-49-5	NS	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	2000	ug/l	0.019	1.1	J	1.2	0.042	1.04	J	0.21	0.026	1.05	J B	0.21	-	-	-	-	-	-	-	-	-	-	-	-
3-Methylphenol & 4-Methylphenol	65794-96-9	NS	ug/l	ND	1.1		1.2	0.094	1.04	J	1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	30000	ug/l	ND	1.1		1.2	0.046	1.04	J	0.21	0.058	1.05	J B	0.21	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Naphthoquinone	130-15-4	5	ug/l	ND	1.1		***12***	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
1-Naphthylamine	134-32-7	1400	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2-Naphthylamine	91-59-8	1400	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	88-74-4	5.8	ug/l	ND	1.1		0.23	ND	1.04		5.2	ND	1.05		5.2	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	99-09-2	5.8	ug/l	ND	1.1		0.23	ND	1.04		5.2	ND	1.05		5.2	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	100-01-6	5.8	ug/l	ND	1.1		1.2	ND	1.04		5.2	ND	1.05		5.2	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	98-95-3	51000	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
5-Nitro-o-toluidine	99-55-8	NS	ug/l	ND	1.1		0	ND	1.04		10	ND	1.05		10	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	88-75-5	820000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	60000	ug/l	ND	1.1		0.23	ND	1.04		5.2	ND	1.05		5.2	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroquinoline-1-oxide	56-57-5	5	ug/l	ND	1.1		1.2	ND	1.04		***10***	ND	1.05		***10***	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiethylamine	55-18-5	0.043	ug/l	ND	1.1		***1.2***	ND	1.04		***1***	ND	1.05		***1***	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	62-75-9	0.13	ug/l	ND	1.1		***0.23***	ND	1.04		***1***	ND	1.05		***1***	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitroso-di-n-butylamine	924-16-3	11	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
N-nitrosodi-n-propylamine	621-64-7	370	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
N-nitrosodiphenylamine	86-30-6	35000	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosomethylethylamine	10595-95-6	NS	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosomorpholine	59-89-2	NS	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosopiperidine	100-75-4	NS	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosopyrrolidine	930-55-2	NS	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	117-84-0	3000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Parathion	56-38-2	610	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobenzene	608-93-5	740	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachloroethane	76-01-7	5	ug/l	ND	1.1		0.23	ND	1.04		2.1	ND	1.05		2.1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachloronitrobenzene	82-68-8	440	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Phenacetin	62-44-2	760000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	85-01-8	1100	ug/l	0.17	1.1	J B	1.2	0.098	1.04	J B	0.21	0.16	1.05	J B	0.21	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	108-95-2	400000	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
p-Phenylene diamine	106-50-3	NS	ug/l	ND	1.1		1.2	ND	1.04		42	ND	1.05		42	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	298-02-2	4.1	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2-Picoline	109-06-8	5	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Pronamide	23950-58-5	50	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	129-00-0	130	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
Pyridine	110-86-1	200	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Safrole	94-59-7	NS	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	10	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	95-94-3	580	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	58-90-2	61000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
Thionazin	297-97-2	5	ug/l	ND	1.1		***5.8***	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
o-Toluidine	95-53-4	11000	ug/l	ND	1.1		46	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	120-82-1	44000	ug/l	ND	1.1		1.2	ND	1.04		0.21	ND	1.05		0.21	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	95-95-4	1000000	ug/l	ND	1.1		0.23	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	31000	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethyl phosphorothioate	126-68-1	5	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trinitrobenzene	99-35-4	NS	ug/l	ND	1.1		1.2	ND	1.04		1	ND	1.05		1	-	-	-	-	-	-	-	-	-	-	-	-

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW1-02-31 MW1-02-31_061809 6/18/2009 C9F190331006				MW1-12-29 MW1-12-29_061809 6/18/2009 C9F190331004				MW1-15-29 MW1-15-29_061909 6/19/2009 C9F200181009				MW1-23-47 MW1-23-47_061909 6/19/2009 C9F200181001				MW1-26-27 MW1-26-27_061709 6/17/2009 C9F180195003				MW1-28-74 MW1-28-74_061809 6/18/2009 C9F190331012				MW2-01-22 MW2-01-22_061809 6/18/2009 C9F190331013			
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Antimony	7440-36-0	6000	ug/l	0.43	1	B	2	0.055	1	B	2	0.41	1	B	2	0.043	1	B	2	0.081	1	B J	2	0.047	1	B	2	0.12	1	B	2
Arsenic	7440-38-2	50000	ug/l	ND	1		1	0.47	1	B	1	41.6	1		1	ND	1		1	1.2	1		1	0.8	1	B	1	0.69	1	B	1
Barium	7440-39-3	2000000	ug/l	33.9	1		10	30.6	1		10	144	1		10	39.8	1		10	10.8	1		10	4.3	1	B	10	30	1		10
Beryllium	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Cadmium	7440-43-9	5000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.31	1	B	1	ND	1		1
Chromium	7440-47-3	100000	ug/l	2.2	1		2	2.9	1		2	2.8	1		2	2.8	1		2	6.4	1		2	3.4	1		2	5.5	1		2
Cobalt	7440-48-4	2000000	ug/l	0.58	1		0.5	0.62	1		0.5	0.65	1		0.5	0.83	1		0.5	0.22	1	B	0.5	4.7	1		0.5	0.11	1	B	0.5
Copper	7440-50-8	1000000	ug/l	1.6	1	B J	2	1.3	1	B J	2	2.4	1	J	2	2.7	1	J	2	1.2	1	B	2	1.9	1	B J	2	1.4	1	B J	2
Lead	7439-92-1	5000	ug/l	0.16	1	B J	1	0.039	1	B J	1	0.22	1	B	1	0.27	1	B	1	0.047	1	B	1	0.058	1	B J	1	0.067	1	B J	1
Mercury	7439-97-6	2000	ug/l	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2
Nickel	7440-02-0	100000	ug/l	0.84	1	B	1	0.86	1	B	1	0.42	1	B	1	0.3	1	B	1	1.4	1		1	13.1	1		1	0.3	1	B	1
Selenium	7782-49-2	50000	ug/l	ND	1		5	0.55	1	B	5	ND	1		5	ND	1		5	0.76	1	B	5	ND	1		5	10.3	1		5
Silver	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Thallium	7440-28-0	2000	ug/l	0.18	1	B J	1	0.089	1	B J	1	ND	1		1	0.49	1	B J	1	0.075	1	B J	1	ND	1		1	ND	1		1
Tin	7440-31-5	61000000	ug/l	ND	1		5	ND	1		5	ND	1		5	2.8	1	B	5	6.6	1		5	ND	1		5	ND	1		5
Vanadium	7440-62-2	720000	ug/l	ND	1		1	ND	1		1	0.1	1	B J	1	0.33	1	B J	1	0.32	1	B J	1	ND	1		1	0.14	1	B J	1
Zinc	7440-66-6	2000000	ug/l	12.5	1	J	5	15.8	1	J	5	7.3	1	J	5	8.5	1	J	5	5.6	1		5	8.6	1	J	5	5.7	1	J	5

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID	MW2-03-33				MW3-02-27				MW3-02-27				MW3-12-31				MW3-29-29				MW4-02-24				MW4-10-23				MW4-11-33			
			Sample ID	MW2-03-33_061909				MW3-02-27_061809				DUP-01_061809				MW3-12-31_061909				MW3-29-29_061809				MW4-02-24_061809				MW4-10-23_061709				MW4-11-33_061909			
			Sample Date	6/19/2009				6/18/2009				6/18/2009				6/19/2009				6/18/2009				6/18/2009				6/17/2009				6/19/2009			
			Lab Id	C9F200181010				C9F190331001				C9F190331002				C9F200181002				C9F190331003				C9F190331014				C9F180195004				C9F200181003			
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Antimony	7440-36-0	6000	ug/l	ND	1		2	0.15	1	B	2	0.088	1	B	2	0.12	1	B	2	0.056	1	B	2	0.039	1	B	2	0.06	1	B J	2	0.056	1	B	2
Arsenic	7440-38-2	50000	ug/l	ND	1		1	11.2	1		1	10.8	1		1	ND	1		1	1.4	1		1	23.3	1		1	2.4	1		1	ND	1		1
Barium	7440-39-3	2000000	ug/l	14.6	1		10	130	1		10	127	1		10	19.6	1		10	58.4	1		10	328	1		10	128	1		10	43.7	1		10
Beryllium	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	60	1		1
Cadmium	7440-43-9	5000	ug/l	0.38	1	B	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.12	1	B	1	ND	1		1	10	1		1
Chromium	7440-47-3	100000	ug/l	3.5	1		2	3	1		2	3.1	1		2	2.4	1		2	2.8	1		2	2.3	1		2	6.9	1		2	10.9	1		2
Cobalt	7440-48-4	2000000	ug/l	0.49	1	B	0.5	0.45	1	B	0.5	0.48	1	B	0.5	0.093	1	B	0.5	0.5	1		0.5	0.5	1		0.5	0.79	1		0.5	329	1		0.5
Copper	7440-50-8	1000000	ug/l	1.5	1	B J	2	1.2	1	B J	2	1.2	1	B J	2	1.2	1	B J	2	1.8	1	B J	2	1.2	1	B J	2	1.4	1	B	2	178	1	J	2
Lead	7439-92-1	5000	ug/l	0.099	1	B	1	0.12	1	B J	1	0.12	1	B J	1	0.087	1	B	1	0.12	1	B J	1	0.099	1	B J	1	0.61	1	B	1	3.3	1		1
Mercury	7439-97-6	2000	ug/l	ND	1		0.2	0.2	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2
Nickel	7440-02-0	100000	ug/l	1.5	1		1	0.89	1	B	1	0.93	1	B	1	3.6	1		1	0.4	1	B	1	0.25	1	B	1	2.5	1		1	402	1		1
Selenium	7782-49-2	50000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	0.42	1	B	5	ND	1		5	10.7	1		5
Silver	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.3	1	B	1	ND	1		1
Thallium	7440-28-0	2000	ug/l	0.025	1	B J	1	0.095	1	B J	1	0.17	1	B J	1	0.14	1	B J	1	0.061	1	B J	1	ND	1		1	0.056	1	B J	1	1.1	1	J	1
Tin	7440-31-5	61000000	ug/l	ND	1		5	1.6	1	B	5	2.7	1	B	5	4.8	1	B	5	ND	1		5	ND	1		5	6	1		5	4.2	1	B	5
Vanadium	7440-62-2	720000	ug/l	0.39	1	B J	1	1.4	1	J	1	ND	1		1	1.4	1	J	1	ND	1		1	1.1	1	J	1	ND	1		1	14.9	1	J	1
Zinc	7440-66-6	2000000	ug/l	13.1	1	J	5	5.5	1	J	5	5.3	1	J	5	8.5	1	J	5	19.7	1	J	5	4.2	1	B J	5	69.6	1		5	1370	1	J	5

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW4-14-36 MW4-14-36_061909 6/19/2009 C9F200181006				MW4-30-63 MW4-30-63_061909 6/19/2009 C9F200181012				MW4-30-63 DUP-02_061909 6/19/2009 C9F200181013				MW4-33-25 MW4-33-25_061909 6/19/2009 C9F200181011				MW5-07-24 MW5-07-24_061809 6/18/2009 C9F190331005				MW5-18-26 MW5-18-26_061709 6/17/2009 C9F180195002				MW5-41-19 MW5-41-19_061709 6/17/2009 C9F180195001				MW6-02-27 MW6-02-27_061909 6/19/2009 C9F200181004			
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	ResNDlt	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Antimony	7440-36-0	6000	ug/l	ND	1		2	0.095	1	B	2	0.036	1	B	2	0.43	1	B	2	0.063	1	B	2	0.11	1	B J	2	0.11	1	B J	2	0.096	1	B	2
Arsenic	7440-38-2	50000	ug/l	2.7	1		1	0.29	1	B	1	ND	1		1	100	1		1	21.1	1		1	21.5	1		1	1.2	1		1	ND	1		1
Barium	7440-39-3	2000000	ug/l	59.4	1		10	8.9	1	B	10	9	1	B	10	229	1		10	50.1	1		10	178	1		10	29.1	1		10	35.6	1		10
Beryllium	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Cadmium	7440-43-9	5000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	0.15	1	B	1
Chromium	7440-47-3	100000	ug/l	3.2	1		2	3.7	1		2	3.4	1		2	2.3	1		2	2.7	1		2	5.5	1		2	5.5	1		2	2.9	1		2
Cobalt	7440-48-4	2000000	ug/l	4.9	1		0.5	0.16	1	B	0.5	0.14	1	B	0.5	0.37	1	B	0.5	0.12	1	B	0.5	0.57	1		0.5	0.1	1	B	0.5	0.6	1		0.5
Copper	7440-50-8	1000000	ug/l	1.2	1	B J	2	0.7	1	B J	2	0.85	1	B J	2	0.78	1	B J	2	1.7	1	B J	2	0.39	1	B	2	0.51	1	B	2	1.6	1	B J	2
Lead	7439-92-1	5000	ug/l	0.042	1	B	1	0.059	1	B	1	0.046	1	B	1	0.14	1	B	1	0.12	1	B J	1	ND	1		1	ND	1		1	0.023	1	B	1
Mercury	7439-97-6	2000	ug/l	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2
Nickel	7440-02-0	100000	ug/l	1.3	1		1	0.7	1	B	1	0.66	1	B	1	ND	1		1	0.32	1	B	1	2	1		1	0.69	1	B	1	2.2	1		1
Selenium	7782-49-2	50000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	0.66	1	B	5	1.8	1	B	5	2	1	B	5	ND	1		5
Silver	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Thallium	7440-28-0	2000	ug/l	0.047	1	B J	1	ND	1		1	ND	1		1	ND	1		1	0.027	1	B J	1	0.16	1	B J	1	0.13	1	B J	1	0.13	1	B J	1
Tin	7440-31-5	61000000	ug/l	1.7	1	B	5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	11.1	1		5	6.9	1		5	1.5	1	B	5
Vanadium	7440-62-2	720000	ug/l	ND	1		1	ND	1		1	ND	1		1	0.41	1	B J	1	ND	1		1	2.7	1	J	1	0.37	1	B J	1	ND	1		1
Zinc	7440-66-6	2000000	ug/l	10.8	1	J	5	16.2	1	J	5	11.3	1	J	5	6.7	1	J	5	4.2	1	B J	5	1.1	1	B	5	5.2	1		5	63.5	1	J	5

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

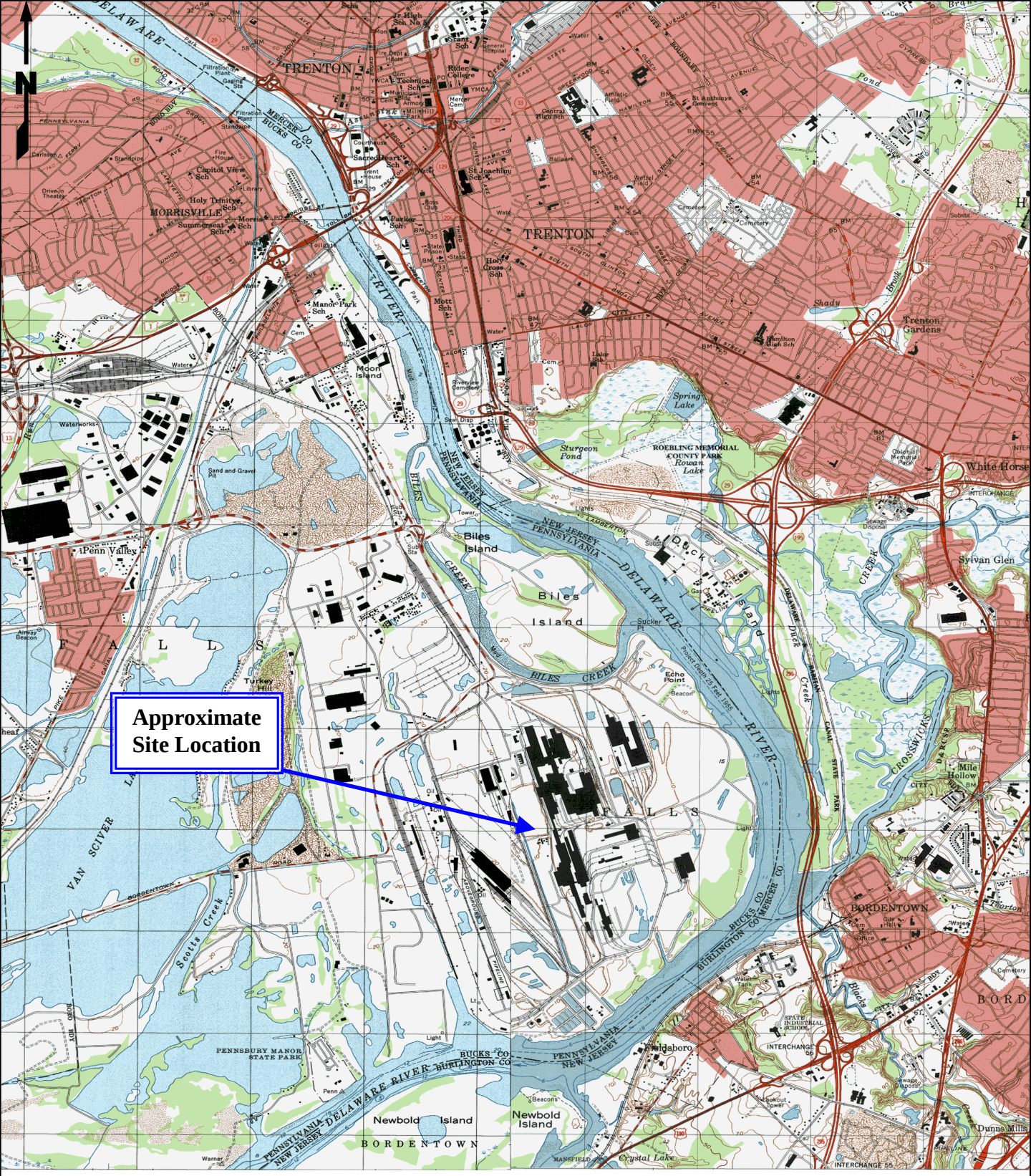
	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	MW6-05-28 MW6-05-28_061909 6/19/2009 C9F200181007				MW6-06-24 MW6-06-24_061909 6/19/2009 C9F200181008				MW6-08-28 MW6-08-28_061809 6/18/2009 C9F190331009				MW6-12-42 MW6-12-42_061809 6/18/2009 C9F190331010				MW6-20-37 MW6-20-37_061909 6/19/2009 C9F200181005				MW7-04-26 MW7-04-26_061809 6/18/2009 C9F190331008				MW7-05-28 MW7-05-28_061809 6/18/2009 C9F190331007			
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Antimony	7440-36-0	6000	ug/l	0.038	1	B	2	ND	1		2	0.097	1	B	2	0.061	1	B	2	0.024	1	B	2	0.12	1	B	2	0.19	1	B	2
Arsenic	7440-38-2	50000	ug/l	0.33	1	B	1	ND	1		1	ND	1		1	0.4	1	B	1	1.2	1		1	0.75	1	B	1	0.39	1	B	1
Barium	7440-39-3	2000000	ug/l	58.8	1		10	34.8	1		10	39.9	1		10	8.7	1	B	10	15.4	1		10	32.5	1		10	67.4	1		10
Beryllium	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Cadmium	7440-43-9	5000	ug/l	ND	1		1	0.54	1	B	1	0.13	1	B	1	0.26	1	B	1	ND	1		1	ND	1		1	ND	1		1
Chromium	7440-47-3	100000	ug/l	4.1	1		2	3.7	1		2	3.4	1		2	2.9	1		2	3	1		2	3	1		2	2.7	1		2
Cobalt	7440-48-4	2000000	ug/l	1.4	1		0.5	7.5	1		0.5	1.5	1		0.5	0.94	1		0.5	5.5	1		0.5	0.22	1	B	0.5	0.6	1		0.5
Copper	7440-50-8	1000000	ug/l	1.3	1	B J	2	1.3	1	B J	2	2.1	1	J	2	5	1	J	2	1.7	1	B J	2	1.9	1	B J	2	2.7	1	J	2
Lead	7439-92-1	5000	ug/l	0.25	1	B	1	0.071	1	B	1	0.3	1	B J	1	0.85	1	B J	1	0.081	1	B	1	0.56	1	B J	1	0.6	1	B J	1
Mercury	7439-97-6	2000	ug/l	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2	ND	1		0.2
Nickel	7440-02-0	100000	ug/l	1	1		1	17.9	1		1	2	1		1	2.3	1		1	10.1	1		1	0.78	1	B	1	1.4	1		1
Selenium	7782-49-2	50000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5	ND	1		5
Silver	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Thallium	7440-28-0	2000	ug/l	0.02	1	B J	1	0.051	1	B J	1	ND	1		1	ND	1		1	0.25	1	B J	1	0.024	1	B J	1	0.058	1	B J	1
Tin	7440-31-5	61000000	ug/l	ND	1		5	ND	1		5	ND	1		5	ND	1		5	1.6	1	B	5	ND	1		5	ND	1		5
Vanadium	7440-62-2	720000	ug/l	ND	1		1	ND	1		1	0.46	1	B J	1	ND	1		1	ND	1		1	ND	1		1	ND	1		1
Zinc	7440-66-6	2000000	ug/l	9	1	J	5	2760	1	J	5	66.3	1	J	5	19.2	1	J	5	8.5	1	J	5	11.2	1	J	5	12.6	1	J	5

Table 6
Summary of Groundwater Analytical Results - June 2009
Comparison to Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs
U.S. Steel - RCRA Groundwater Sampling
Fairless Hills, Pennsylvania

	CAS No	PADEP Non-Residential Non-Use Aquifer GW MSC	Location ID Sample ID Sample Date Lab Id	FB-01 FB-01_061709 6/17/2009 C9F180195005				FB-02 FB-02_061809 6/18/2009 C9F190331011				FB-03 FB-03_061909 6/19/2009 C9F200181014				TB-01 TB-01_061709 C9F180195006 39981				TB-02 TB-02_061809 C9F190331015 39982				TB-03 TB-03_061909 C9F200181015 39983			
RCRA APPENDIX IX METALS - Dissolved (Method 6010/7471)				Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL	Result	DF	Q	RL
Antimony	7440-36-0	6000	ug/l	0.044	1	B J	2	ND	1		2	ND	1		2	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	7440-38-2	50000	ug/l	1.3	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
Barium	7440-39-3	2000000	ug/l	ND	1		10	ND	1		10	ND	1		10	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	7440-41-7	4000	ug/l	ND	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7440-43-9	5000	ug/l	ND	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	7440-47-3	100000	ug/l	6.5	1		2	3.5	1		2	3.2	1		2	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	2000000	ug/l	ND	1		0.5	ND	1		0.5	ND	1		0.5	-	-	-	-	-	-	-	-	-	-	-	-
Copper	7440-50-8	1000000	ug/l	ND	1		2	1.8	1	B J	2	0.52	1	B J	2	-	-	-	-	-	-	-	-	-	-	-	-
Lead	7439-92-1	5000	ug/l	ND	1		1	0.15	1	B J	1	0.093	1	B	1	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2000	ug/l	ND	1		0.2	ND	1		0.2	ND	1		0.2	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	7440-02-0	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	7782-49-2	50000	ug/l	ND	1		5	ND	1		5	ND	1		5	-	-	-	-	-	-	-	-	-	-	-	-
Silver	7440-22-4	100000	ug/l	ND	1		1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	7440-28-0	2000	ug/l	0.038	1	B J	1	ND	1		1	ND	1		1	-	-	-	-	-	-	-	-	-	-	-	-
Tin	7440-31-5	61000000	ug/l	3.7	1	B	5	ND	1		5	ND	1		5	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	7440-62-2	720000	ug/l	0.14	1	B J	1	0.083	1	B J	1	1.1	1	J	1	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	7440-66-6	2000000	ug/l	1.4	1	B	5	4.2	1	B J	5	3.2	1	B J	5	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Q - Qualifier
B - Method Blank contamination. The associated method blank contains the target analyte at a reportable level.
E - Estimated result. Result concentration exceeds the calibration range.
J - Estimated result. Result is less than RL.
p - Relative percent difference (RPD) is outside stated control limits.
* - Surrogate recovery is outside stated control limits.
a - Spiked analyte recovery is outside stated control limits.
DF - Dilution Factor
RL - Reporting Limit
1.5 - Results exceed Non-Residential Non-Use Aquifer PADEP Groundwater MSC
21 - Reporting Limit exceeds Non-Residential Non-Use Aquifer PADEP Groundwater MSC

FIGURES



Ref. USGS Trenton East and Trenton West, NJ Quadrangles

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30 S. 17th Street, Suite 1300 Philadelphia, PA 19103
P: 215.864.0640 F: 215.864.0671
www.langan.com

SITE LOCATION PLAN
SITE-WIDE GROUNDWATER
FORMER U. S. STEEL FAIRLESS WORKS
KEYSTONE INDUSTRIAL PORT COMPLEX

Fairless Hills Pennsylvania

Job No. 220011601	Date 10-14-08	1”≈ 4,000’	Fig. 1

New Jersey

Tyburn Rd.

295

Biles Creek

G.R.O.W.S. Landfill

Delaware River

New Jersey

N
W
E
S

PENNSYLVANIA

Approximate Site Location

Legend

Consent Order Boundary

MW1-27-19 Monitoring Well Location

NOTES
1. Consent Order Boundary georeferenced from the U.S. Steel 1994 Current Conditions Report.
2. 2007 aerial photography provided by U.S. Steel, March 6, 2008.

Figure 2 - Site Plan
U.S. Steel Fairless Works
Keystone Industrial Port Complex
Fairless Hills, Pennsylvania

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0 700 1,400 Feet

SCALE: 1" = 700'
DATE: October 16, 2009
DRN. BY: MH
CKD. BY: JH
JOB#: 2634102

S:\other\USSteel\GIS_Database\ArcGIS\Working MXDs\Sitewide\Sitewide Well Site Plan_10-16-09.mxd

New Jersey

Tyburn Rd.

Biles Creek

G.R.O.W.S. Landfill

Delaware River

New Jersey

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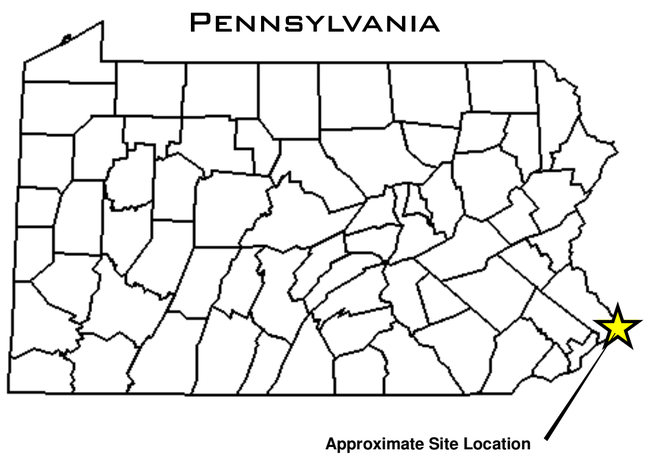

Legend

- Groundwater Elevation Contour (ft amsl)
- Consent Order Boundary
- Monitoring Well Location
- MW1-27-19 5.14 — Monitoring Well Location (not used for generation of groundwater contours)
- MW1-02-31 2.91 — Monitoring Well Gauged

NOTES
1. Consent Order Boundary georeferenced from the U.S. Steel 1994 Current Conditions Report.
2. 2007 aerial photography provided by U.S. Steel, March 6, 2008.
3. Site monitoring wells were gauged between October 13 and October 14, 2008.
4. Monitoring wells MW1-28-74, MW1-27-19, MW4-30-63, MW5-26-52, MW5-29-49, MW5-28-31, MW6-04-29 & MW6-26-20 were not used in the generation of the October 2008 groundwater contours.
5. ft amsl = feet above mean sea level

Figure 3 - Groundwater Contour Map
October 2008
U.S. Steel Fairless Works
Keystone Industrial Port Complex
Fairless Hills, Pennsylvania

LANGAN
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0 700 1,400 Feet

SCALE: 1" = 700'
DATE: January 30, 2009
DRN. BY: MH
CKD. BY: JH
JOB#: 2634102

S:\other\USSteelGIS_Database\ArcGIS\Working MXDs\2634102 - Sitewide Groundwater Strategy\MXD\October 2008 GW\Figure 3 - GWContours_Oct2008_rev10-20-09.mxd

New Jersey

Tyburn Rd.

295

Biles Creek

MW7-05-28
5.56

MW7-04-26
4.74

MW6-02-27
3.23

MW6-08-28
3.34

MW6-05-28
3.54

MW6-06-24
3.2

MW6-12-42
3.26

MW6-20-37
3.14

MW4-30-63
3.17

MW4-11-33
3.47

MW4-14-36
3.16

MW4-10-23
3.84

MW5-18-26
7.08

MW5-07-24
7.62

MW5-41-19
10.25

MW3-12-31
5.05

MW4-33-25
4.38

MW3-02-27
6.49

MW4-02-24
4.2

MW3-29-29
5.51

MW2-03-33
3.87

MW2-01-22
5.06

G.R.O.W.S. Landfill

MW1-02-31
3.98

MW1-28-74
4.92

MW1-23-47
3.35

MW1-15-29
3.40

MW1-26-27
4.52

MW1-12-29
3.98

Delaware River

New Jersey

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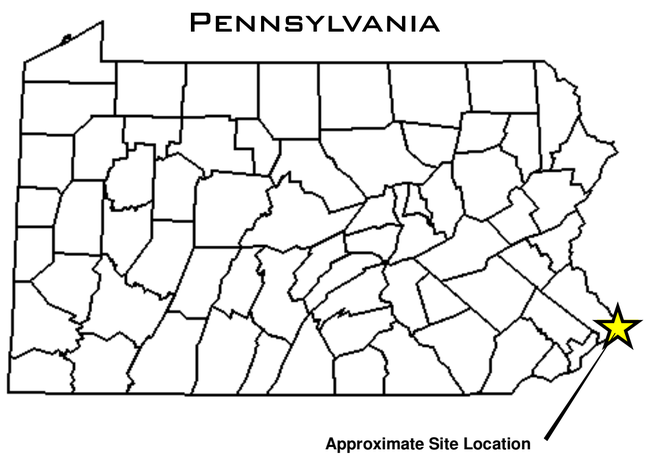
S



Legend

Monitoring Well Location

MW2-03-33
3.87
Monitoring Well Sample Location With Groundwater Elevation

Groundwater Elevation Contours (ft. amsl)

Consent Order Boundary

NOTES
1. Consent Order Boundary georeferenced from the U.S. Steel 1994 Current Conditions Report.
2. 2007 aerial photography provided by U.S. Steel, March 6, 2008.

Figure 4 - Groundwater Contour Map
June 2009
U.S. Steel Fairless Works
Keystone Industrial Port Complex
Fairless Hills, Pennsylvania

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

0 700 1,400 Feet

SCALE: 1" = 700'
DATE: May 14, 2009
DRN. BY: MH
CKD. BY: JH
JOB#: 2634102

S:\Other\USSteelGIS_Database\ArcGIS\Working MXDs\2634102 - Sitewide Groundwater Strategy\MXD\October 2008 GW\Sitewide_GWContours_Oct2008_rev051409.mxd

Tyburn Rd.

New Jersey

295

Biles Creek

Delaware River

G.R.O.W.S. Landfill

New Jersey

MW7-05-23
MW7-04-26
MW7-09-17
MW5-11-27
MW5-12-27
MW5-18-26
MW5-22-32
MW5-21-20
MW5-23-42
MW5-41-19
MW5-32-31
MW5-31-21
MW5-33-41
MW5-07-24
MW5-29-49
MW5-28-31
MW5-25-27
MW5-26-52
MW5-27-17
MW3-02-27
MW3-34-28
MW3-22-28
MW3-04-30
MW3-29-29
MW3-41-29
MW3-44-14
MW1-25-22
MW1-02-31
MW1-24-23
MW1-23-47
MW1-12-29
MW1-26-27
MW1-15-29
MW1-28-74
MW1-27-19
MW1-10-32
MW2-01-22
MW2-03-33
MW4-02-24
MW3-12-31
MW4-33-25
MW4-11-33
MW4-14-36
MW4-30-63
MW4-10-23
MW6-20-37
MW6-12-42
MW6-26-20
MW6-04-29
MW6-06-24
MW6-08-28
MW6-05-28
MW6-29-73
MW6-02-27

MW6-05-28		
10/15/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.95**
Benzo(k)fluoranthene	0.55	**0.72**
Dibenzo(a,h)anthracene	0.6	**1.0**

MW6-02-27		
10/14/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.77**
Dibenzo(a,h)anthracene	0.6	**0.9**

MW6-08-28		
6/18/2009		
SVOCs	PADEP Act 2 Non-Res, Used Aquifer GWQS (ug/L)	Result (ug/L)
BENZO(GHI)PERYLENE	0.26	**0.88**
DIBENZO(A,H)ANTHRACENE	0.6	**1.5**

MW7-04-26		
6/18/2009		
SVOCs	PADEP Act 2 Non-Res,Non-Use Aquifer GWQS (ug/L)	Result (ug/L)
BENZO(GHI)PERYLENE	0.26	**0.84**
DIBENZO(A,H)ANTHRACENE	0.6	**1.4**

MW6-04-29		
10/15/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**1.2**
Benzo(k)fluoranthene	0.55	**1.3**
Dibenzo(a,h)anthracene	0.6	**1.3**

MW6-20-37		
10/17/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.63**
Dibenzo(a,h)anthracene	0.6	**0.97**

MW4-30-63		
10/20/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.8**

MW5-33-41		
10/20/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**1.1**
Benzo(k)fluoranthene	0.55	**0.99**
Dibenzo(a,h)anthracene	0.6	**1.4**

MW5-25-27		
10/20/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.9**
Benzo(k)fluoranthene	0.55	**0.7**

MW5-26-52		
10/20/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.87**
Benzo(k)fluoranthene	0.55	**0.64**
Dibenzo(a,h)anthracene	0.6	**1.2**

MW5-29-49		
10/17/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.64**
Benzo(k)fluoranthene	0.55	**0.77**
Dibenzo(a,h)anthracene	0.6	**0.95**

MW4-02-24		
6/18/2009		
SVOCs	PADEP Act 2 Non-Res, Used Aquifer GWQS (ug/L)	Result (ug/L)
BENZO(B)FLUORANTHENE	1.2	**2.8**
BENZO(GHI)PERYLENE	0.26	**3.4**
BENZO(K)FLUORANTHENE	0.55	**2.5**
CHRYSENE	1.9	**2.8**
DIBENZO(A,H)ANTHRACENE	0.6	**3.8**

MW2-03-33		
10/16/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.64**
Benzo(k)fluoranthene	0.55	**0.76**
Dibenzo(a,h)anthracene	0.6	**0.95**

MW3-29-29		
6/18/2009		
SVOCs	PADEP Act 2 Non-Res,Non-Use Aquifer GWQS (ug/L)	Result (ug/L)
BENZO(GHI)PERYLENE	0.26	**0.87**
DIBENZO(A,H)ANTHRACENE	0.6	**1.4**

MW1-02-31		
10/17/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(k)fluoranthene	0.55	**0.76**

MW1-15-29		
10/16/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(g,h,i)perylene	0.26	**0.61**
Benzo(k)fluoranthene	0.55	**0.74**
Dibenzo(a,h)anthracene	0.6	**0.98**

MW1-23-47		
10/15/2008		
SVOCs	PADEP Act 2 Non-Res, Non-Use GWQS (ug/L)	Result (ug/L)
Benzo(b)fluoranthene	1.2	**2.9**
Benzo(g,h,i)perylene	0.26	**3.8**
Benzo(k)fluoranthene	0.55	**3.5**
Chrysene	1.9	**3.8**
Dibenzo(a,h)anthracene	0.6	**3.7**

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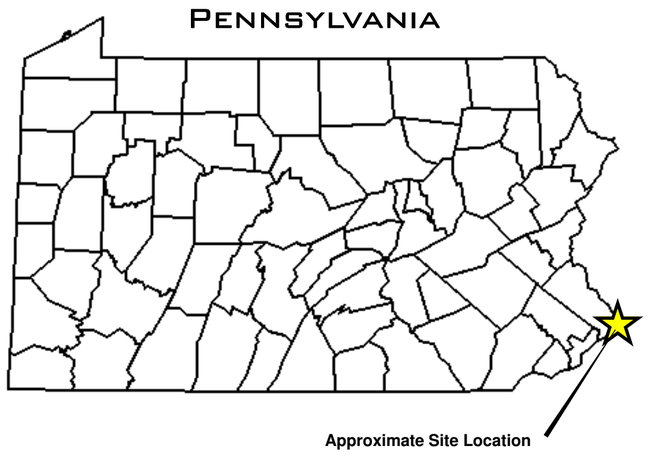
PENNSYLVANIA



Approximate Site Location

Legend

Consent Order Boundary

MW1-27-19 Monitoring Well Location

NOTES
1. Consent Order Boundary georeferenced from the U.S. Steel 1994 Current Conditions Report.
2. 2007 aerial photography provided by U.S. Steel, March 6, 2008.
3. Site monitoring wells were gauged between October 13 and October 14, 2008, and sampled between October 14 and October 20, 2008.
4. All groundwater sample results were screened against the PADEP Act 2 Non-Residential Non-Use Aquifer standards.
5. MW1-25-22, MW3-04-30, MW3-22-28, MW3-44-14 and MW6-29-73 were damaged and therefore not sampled.

Figure 5 - Non-Residential Non-Use Aquifer Groundwater MSC Exceedance Map October 2008 & June 2009 U.S. Steel Fairless Works Keystone Industrial Port Complex Fairless Hills, Pennsylvania

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0 700 1,400 Feet

SCALE: 1" = 700'
DATE: August 2, 2010
DRN. BY: MH
CKD. BY: JH
JOB#: 2634102

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APPENDIX A

Notice of Intent to Remediate, Public Notice Documents

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

David T. Gockel, P.E., P.P.
George P. Kelley, P.E.
George E. Derrick, P.E.
Michael A. Semeraro, Jr., P.E.
Nicholas De Rose, P.G.
Andrew J. Ciancia, P.E.
George E. Leventis, P.E.
Rudolph P. Frizzi, P.E.
Ronald A. Fuerst, C.L.A.
Colleen Costello, P.G.
Christina M. González, P.E.
Gerald J. Zambrella, C.E.M.

Gregory M. Elko, P.E.
Edward H. Geibert, M.S.
Christopher M Hager, P.E.
John J. McElroy, Jr., Ph.D., P.E.
Steve Ueland, P.E.

Caryn L. Barnes
Jason S. Englehardt, P.E.

November 13, 2009

VIA CERTIFIED MAIL

Mr. Chris Falkler
Environmental Cleanup Program
Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Notice of Intent to Remediate
Former U. S. Steel Fairless Works,
Site-Wide Groundwater Project
Keystone Industrial Port Complex
Fairless Hills, Bucks County, Pennsylvania

Dear Mr. Falkler:

Langan Engineering and Environmental Services, Inc. on behalf of the remediator of the property, United States Steel Corporation provide the Pennsylvania Department of Environmental Protection with two copies of the enclosed Notice of Intent to Remediate (NIR) for the above referenced property. An on-line submission of the NIR was also completed. In accordance with the public notice requirements of the Land Recycling Program, the summary of the NIR has been published in the Bucks County Courier Times under the legal notices section and a copy of the NIR was sent to the local municipality via certified mail.

Should you have any questions or comments regarding the remediation, please call me at (201) 389-4625.

Sincerely,
Langan Engineering & Environmental Services

Brian McGuire, CHMM
Project Manager

Enclosures
cc: Chris Falkler (PADEP)
Kathleen Mayher (U. S. Steel)
Dennis Jones (U. S. Steel)
Linda Matyskiela (EPA)
Colleen Costello (Langan)
Judd Herr (Langan)
File (Langan)

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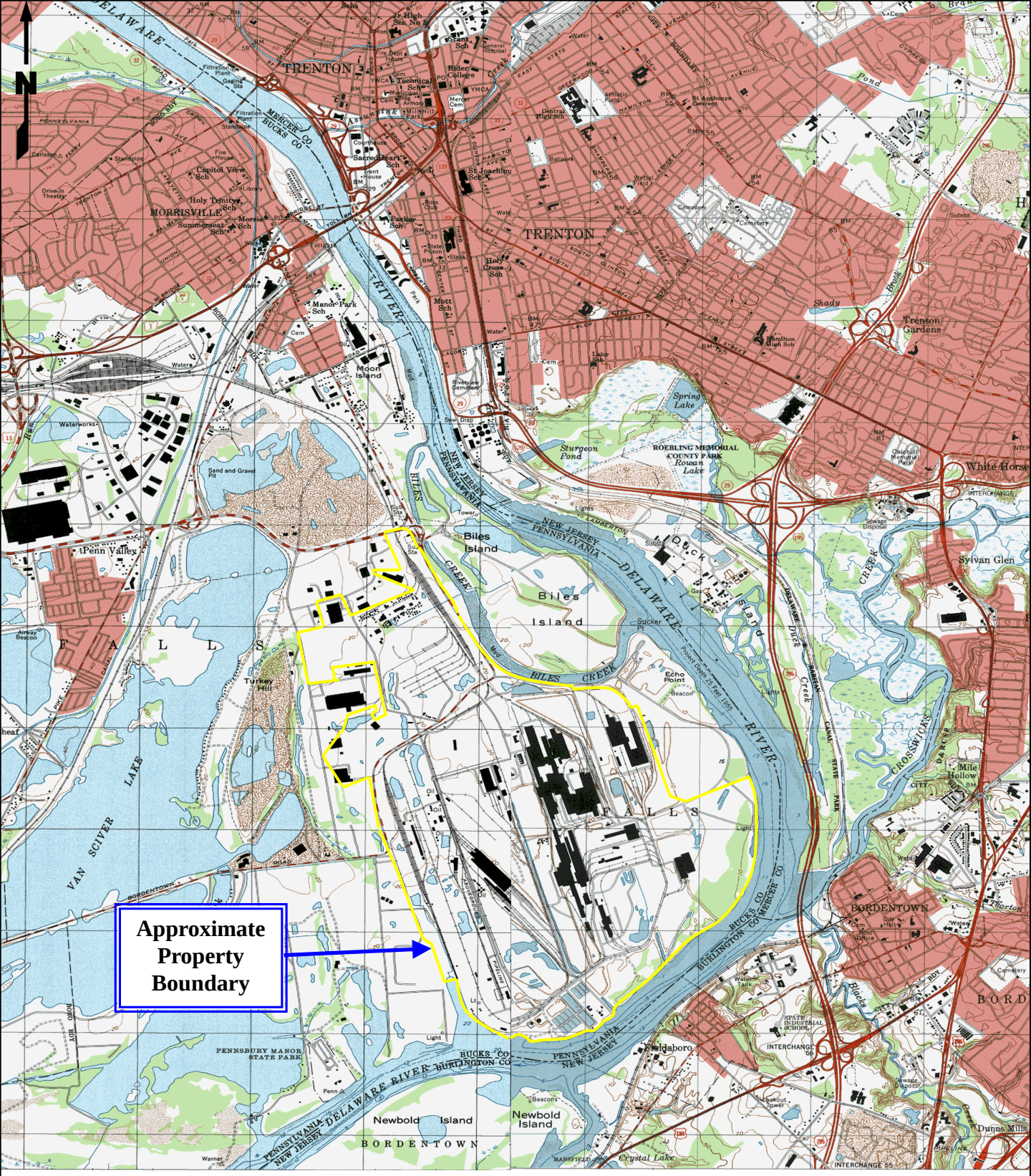

Ref. USGS Trenton East and Trenton West, NJ Quadrangles

LANGAN
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30 S. 17th Street, Suite 1300 Philadelphia, PA 19103
P: 215.864.0640 F: 215.864.0671
www.langan.com

Figure 1
Site Location Plan
Falls Township

Fairless Hills Pennsylvania

Job No. 2634102	Date 11-13-09	1"≈ 4,000'	Fig. 1

2530-FM-BWM0019 Rev. 10/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

NOTICE OF INTENT TO REMEDIATE

Act 1995-2 requires 4 general informational items to be included in the NIR: the general location, listing of contaminants, intended use of the property, and proposed remediation measures. In addition attach a site map if available.

Property Name Former United States Steel Fairless Works – 3,900-Acre Parcel, Keystone Industrial Port Complex (KIPC)

Address/Location 1 Ben Fairless Drive

City Fairless Hills **Zip Code** 19030

Municipality (if more than one, list all) Fairless Hills, Falls Township

County Bucks

Latitude 40 °(deg.) 09 ‘(min) 261 “(sec) **Longitude** 74 °(deg.) 44 ‘(min) 827 “(sec)

Horizontal Collection Method: The geographic coordinate determination method was based on Trenton East USGS Quadrangle Map.

Horizontal Reference Datum: North American Datum of 1983 **Reference Point:** Center of property

Wish to participate in the DEP/EPA MOA: ☒

Contact Dave Hess at dahess@state.pa.us for details.

EPA ID Number, if known: PAD002375376

Provide a general description of the site contamination in plain language (e.g. fuel oil spill, historical chemical industrial area contamination), the names of any known primary contaminants to be addressed, and the intended future use of the property: The former U. S. Steel Fairless Works is located on the west bank of the Delaware River, approximately 20 miles northeast of Philadelphia, Pennsylvania. Construction of the former U. S. Steel Fairless Works started in 1950, operations commenced in 1952 and the entire property encompasses about 3,900-acres. Former steel making operations included coke production, steel production, and finishing operations. U. S. Steel maintains a hot-dip galvanizing line on-site but the remainder of the steel making operations ceased between 1982 and 1991. The majority of the inactive structures were demolished between 1993 and 1995. A copy of a portion of the Trenton West and East, New Jersey, USGS quadrangle map identifying the location of the subject property is included as Attachment 1 - Site Location Map.

At the Keystone Industrial Port Complex Site, there are several borrow pits (BP) that were used as a source of fill material for construction, and subsequently were filled. These BP’s are Solid Waste Management Units and are governed by RCRA regulations. Several soil investigations under the Pennsylvania Act 2 Program have been completed at the site and have received Releases of Liability (ROL) for soils. This NIR pertains to site-wide groundwater only.

Between December 1996 and June 2009 five rounds of groundwater monitoring were conducted at the site. The analyses generally included volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), and metals.

Provide a general description of proposed remediation measures: Based on the results of recent site investigation activities, and results of the PENTOXSD model, attainment of Site Specific Standards will be demonstrated for all VOC, SVOCs, and metals identified as RCRA Appendix IX analytes.

The groundwater MSCs are based on the non-use aquifer criteria as the site obtained a non-use aquifer designation from the PADEP on April 9, 1999. A Remedial Investigation/Final Report will be submitted to document the site characterization activities performed and demonstrate attainment of the Act 2 Site Specific Standards for groundwater.

U.S. Steel will apply Site Specific Standards at the Site. The Act provides for a 30-day public comment period for Site-Specific Standard remediation. The 30-day comment period is initiated with the publication of this notice. Falls Township may submit a request to U.S. Steel to be involved in the development of the remediation and reuse plans for the Site during this 30-day comment period. Falls Township may also submit a request to U.S. Steel during this 30-day comment period to develop and implement a public involvement plan. Copies of any requests and of any comments should aslo be submitted to the Pennsylvania Department of the Environmental Protection and Bureau of Water Quality. ECP-Special Projects Section, 2 East Main Street, Norristown PA, 19401-4915.

Will remediation be to a site-specific standard ☒ or as a special industrial area ☐? If so, the municipality or municipalities must be provided 30-day comment period.
Remediator/Property Owner/Consultant. For each of these recipients of the approval of the final report, complete form below.

Remediator
Contact Person: Kathleen Mayher
Relationship to site (e.g. owner, remediator, participating in cleanup, consultant): Environmental Remediator
Phone Number: 412-433-6315/412-370-9074
Company Name: United States Steel Corp.
Address (street, city, state, zip): 600 Grant Street, Pittsburgh, PA 15219
Email Address: KMMayher@uss.com
Property Owner
Contact Person: Kathleen Mayher
Relationship to site (e.g. owner, remediator, participating in cleanup, consultant): Environmental Remediator
Phone Number: 412-433-6315/412-370-9074
Company Name: United States Steel Corp.
Address (street, city, state, zip): 600 Grant Street, Pittsburgh, PA 15219
Email Address: KMMayher@uss.com
Consultant
Contact Person: Colleen Costello, P.G.
Relationship to site (e.g. owner, remediator, participating in cleanup, consultant): Consultant
Phone Number: 215-864-0640
Company Name: Langan Engineering and Environmental Services, Inc.
Address (street, city, state, zip): 30 South 17th Street, Suite 1300; Philadelphia, PA 19103
Email Address: ccostello@langan.com

Preparer of Notice of Intent to Remediate:

Name: Colleen Costello, P.G.

Title: Principal and Professional Geologist
No.PG-003736-E

Address: 30 South 17th Street, Suite 1300
Philadelphia, PA 19103

Telephone: 215-864-0640

Email Address: ccostello@langan.com

Email Image File of Site Map showing property lines and general area of site(s) to be remediated to: (landrecycling@state.pa.us)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

NOTICE OF INTENT TO REMEDIATE INSTRUCTIONS

These instructions pertain to the Notice of Intent to Remediate (NIR). The NIR is a fill-in-the blank, check block, and brief narrative form. Complete the form to the extent that the particular information requested is known. Additional information may be attached with the NIR submission if desired. The procedures for submission of the NIR and notification requirements are detailed in the Land Recycling Technical Guidance Manual. You are encouraged to use the technical guidance provided in this manual when conducting site assessments.

Property Name

This is the name the property, where the site(s) is located and is known by, especially if designated so in a permit or official records. If there is more than one location with a similar name, more specific information should be included. If an existing name is not available, the site owners name or name of the person seeking the release of liability protection can be used.

Address/Location

Street address of the property. Provide the mailing address if different than the street address. If the street address is not available, provide the location of the property by road name with directions and distances from an established reference point.

Municipality

Name of all municipalities in which the site is located.

County

Name of county in which the site is located.

Latitude and Longitude

Indicate the latitude and longitude from the approximate center of the site. Show the latitude and longitude in degrees, minutes, and seconds. Indicate method used to acquire the location (Horizontal Collection Method); the Horizontal Reference Datum (NAD27 or NAD83) used in determining latitude and longitude coordinates; and the Reference Point. If more than one site is listed in the NIR and locations are not in the immediate vicinity, list separate latitude and longitudes.

DEP/EPA MOA

Indicate if you wish to participate DEP/EPA MOA (also known as Pennsylvania One Cleanup Program) for the site. Enter EPA ID Number, if known.

General description

In a narrative, provide information concerning the site contamination, the names of any known primary contaminants to be addressed by the remediation, and the intended future use of the property.

General description of proposed remediation measures

In a narrative, provide information concerning the proposed remediation measures to be performed.

Site-specific standard or Special Industrial Area remediation

If known at the time of submission of the NIR, indicate if the site remediation will be to a site-specific standard or as a special industrial area. The municipality must be given a 30-day comment period if the remediation is to a site-specific standard or as a special industrial area remediation.

Remediator/Property Owner/Consultant

For each of these categories provide the applicant name, site relationship (owner, remediator, consultant), phone number, company name, and address. These persons will be recipients of the approval of the final report.

Preparer of Notice of Intent to Remediate

Provide the name, title, address, and phone number of the person preparing the NIR. Indicate preparer name even if same as one listed above.

Submit an image file of the site showing property lines and general area of site(s) location to be remediated. Email to: landrecycling@state.pa.us

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

David T. Gockel, P.E., P.P.
George P. Kelley, P.E.
George E. Derrick, P.E.
Michael A. Semeraro, Jr., P.E.
Nicholas De Rose, P.G.
Andrew J. Ciancia, P.E.
George E. Leventis, P.E.
Rudolph P. Frizzi, P.E.
Ronald A. Fuerst, C.L.A.
Colleen Costello, P.G.
Christina M. González, P.E.
Gerald J. Zambrella, C.E.M.

Gregory M. Elko, P.E.
Edward H. Geibert, M.S.
Christopher M Hager, P.E.
John J. McElroy, Jr., Ph.D., P.E.
Steve Ueland, P.E.

Caryn L. Barnes
Jason S. Englehardt, P.E.

November 13, 2009

VIA CERTIFIED MAIL

Mr. Peter Gray
Falls Township
Township Manager
188 Lincoln Highway, Suite 100
Fairless Hills, PA. 19030

RE: Notice of Intent to Remediate
Former U. S. Steel Fairless Works,
Site-Wide Groundwater Project
Keystone Industrial Port Complex
Fairless Hills, Bucks County, Pennsylvania

Dear Mr. Gray:

The Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2) requires that a Notice of Intent to Remediate (NIR) be provided to the municipality in which the site is located. In accordance with the provisions of Act 2, we are formally notifying you that Langan Engineering and Environmental Services, Inc. on behalf of the remediator of the property U. S. Steel Corporation has submitted to the Pennsylvania Department of Environmental Protection (PADEP) an NIR concerning the Keystone Industrial Port Complex formerly known as the Fairless Works facility, located at 1 Ben Fairless Drive in Fairless Hills, Bucks County, Pennsylvania. The entire property encompasses about 3,900-acres.

A copy of the NIR which has been sent to PADEP is enclosed. This notice will be published in the Pennsylvania Bulletin, and a summary of the notice will appear in the Bucks County Courier Times. *The 30-day comment period associated with the Site Specific Standard is initiated with the publication of this notice.*

Please do not hesitate to call me at (201) 398-4625 with any questions you may have.

Sincerely,
Langan Engineering &
Environmental Services

Brian McGuire, CHMM
Project Manager

Enclosures
cc: Chris Falkler (PADEP)
Kathleen Mayher (U. S. Steel)
Dennis Jones (U. S. Steel)
Linda Matyskiela (EPA)
Colleen Costello (Langan)
Judd Herr (Langan)
File (Langan)

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

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Steve Ueland, P.E.

Caryn L. Barnes
Jason S. Englehardt, P.E.

November 13, 2009

VIA TELEFAX-(215) 949-4114

Bucks County Courier Times
Attention: Legal Advertising Department
P.O. BOX 14401
York, PA 17405

RE: Legal Notice
Former U. S. Steel Fairless Works
Site-Wide Groundwater Project
Keystone Industrial Port Complex
Fairless Hills, Bucks County, Pennsylvania

To Whom It May Concern:

Langan Engineering and Environmental Services, Inc. for U.S. Steel Corporation requests that the following Public Notice be published in the Bucks County Courier Times under the legal notices section.

Notice of Intent to Remediate to the Pennsylvania Act 2 Environmental Standards

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, P.L. 4, No. 1995-2., notice is hereby given that U. S. Steel Corporation (remediator) has submitted to the Pennsylvania Department of Environmental Protection a Notice of Intent to Remediate (NIR) concerning the Keystone Industrial Port Complex (KIPC) formerly known as the Fairless Works facility, located at 1 Ben Fairless Drive in Fairless Hills, Bucks County, Pennsylvania. The entire property encompasses about 3,900-acres.

The former Fairless Works facility has been in operation since 1952. Historically, the KIPC Site was used for steel operations that included coke production, steel production, and finishing. U.S. Steel maintains a hot-dip galvanizing line on-site but the remainder of the steel making operations ceased between 1982 and 1991. The majority of the inactive structures were demolished between 1993 and 1995. The subject property is currently zoned for non-residential use and its immediate and long-term planned future use is non-residential involving storage, manufacturing, and industrial uses.

Groundwater sampling has been completed at the site to characterize on-site groundwater conditions and U.S Steel Corporation plans to ultimately demonstrate attainment of the Pennsylvania Site Specific Standards for groundwater. The 30-day comment period under the Site Specific Standard is initiated with the publication of this

notice. Groundwater samples have been analyzed for volatile organic compounds, semi-volatile organic compounds, metals identified as RCRA Appendix IX analytes. The soil to groundwater pathway MSC is based on the non-use aquifer criteria because the site has obtained a non-use aquifer designation from PADEP. A Remedial Investigation/Act2 Final Report will be submitted to obtain a release of liability for groundwater under the Pennsylvania Land Recycling Program.

Please publish the notice as soon as possible, fax a copy to (201) 398-4825 and send the proof of publication and your invoice to my attention at the following address:

Langan Engineering & Environmental Services
619 River Drive Center 1
Elmwood Park, NJ 07407

Should you have any questions or comments regarding the request, please call me at (201) 398-4625.

Sincerely,
Langan Engineering & Environmental Services

Brian McGuire, CHMM
Project Manager

cc: Chris Falkler (PADEP)
Kathleen Mayher (U. S. Steel)
Dennis Jones (U. S. Steel)
Linda Matyskiela (EPA)
Colleen Costello (Langan)
Judd Herr (Langan)
File (Langan)

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

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Christopher M Hager, P.E.
John J. McElroy, Jr., Ph.D., P.E.
Steve Ueland, P.E.

Caryn L. Barnes
Jason S. Englehardt, P.E.

February 26, 2010

VIA CERTIFIED MAIL

Mr. Chris Falkler
Environmental Cleanup Program
Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Notice of Intent to Remediate
Former U. S. Steel Fairless Works,
Site-Wide Groundwater Project
Keystone Industrial Port Complex
Fairless Hills, Bucks County, Pennsylvania

Dear Mr. Falkler:

Langan Engineering and Environmental Services, Inc. on behalf of the remediator of the property, United States Steel Corporation provides the Pennsylvania Department of Environmental Protection with two additional courtesy copies of the enclosed Notice of Intent to Remediate (NIR). The original NIR was submitted to the Department on November 13, 2009 for the above referenced property however certified mail return receipts were never returned to Langan. It should be noted that the on-line submission of the NIR was also completed in November 2009. In accordance with the public notice requirements of the Land Recycling Program, the summary of the NIR has been published in the Bucks County Courier Times under the legal notices section and a copy of the NIR was sent to the local municipality via certified mail.

Should you have any questions or comments regarding the remediation, please call me at (201) 389-4625.

Sincerely,
Langan Engineering &
Environmental Services

Brian McGuire, CHMM
Project Manager

Enclosures
cc:
File (Langan)

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

David T. Gockel, P.E., P.P.
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John J. McElroy, Jr., Ph.D., P.E.
Steve Ueland, P.E.

Caryn L. Barnes
Jason S. Englehardt, P.E.

February 26, 2010

VIA CERTIFIED MAIL

Mr. Peter Gray
Falls Township
Township Manager
188 Lincoln Highway, Suite 100
Fairless Hills, PA. 19030

RE: Notice of Intent to Remediate
Former U. S. Steel Fairless Works,
Site-Wide Groundwater Project
Keystone Industrial Port Complex
Fairless Hills, Bucks County, Pennsylvania

Dear Mr. Gray:

The Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2) requires that a Notice of Intent to Remediate (NIR) be provided to the municipality in which the site is located. In accordance with the provisions of Act 2, we are providing a second copy of the original notification that was sent to your attention on November 13, 2009. This copy is being sent because Langan never received the certified mail return receipts from the original mailing. This NIR is sent on behalf of the remediator of the property U. S. Steel Corporation and a copy was also submitted to the Pennsylvania Department of Environmental Protection (PADEP).

A courtesy copy of the NIR is enclosed. This notice will be published in the Pennsylvania Bulletin, and a summary of the notice was published in the Bucks County Courier Times on November 16, 2009.

Please do not hesitate to call me at (201) 398-4625 with any questions you may have.

Sincerely,
Langan Engineering &
Environmental Services

Brian McGuire, CHMM
Project Manager

Enclosures
File (Langan)

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SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Peter Gray
Falls Township
Township Manager
188 Lincoln Highway, Suite 100
Fairless Hills, PA. 19030

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Joan Rooth ☐ Agent ☐ Addressee

B. Received by (*Printed Name*) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

LEVITTOWN PA 19055 USPS MAR 1 2010

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number (*Transfer from service label*) 7009 2820 0003 5139 2625

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

7009 2820 0003 5139 2618

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
OFFICIAL USE

Postage	$ 0.61
Certified Fee	2.80
Return Receipt Fee (Endorsement Required)	2.30
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 5.71

DOYLESTOWN, PA 18901 FEB 26 2010 USPS Postmark Here

Cindy - USS-Cinda

Sent To Mr. Chris Falkler
Environmental Cleanup Program
Street, Apt. No., or PO Box No. PADEP -Southeast Regional Office
City, State, ZIP+4 2 East Main Street
Norristown, PA 19401

PS Form 3800, August 2006 See Reverse for Instructions

7009 2820 0003 5139 2625

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
OFFICIAL USE

Postage	$ 0.61
Certified Fee	2.80
Return Receipt Fee (Endorsement Required)	2.30
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 5.71

DOYLESTOWN, PA 18901 FEB 26 2010 USPS Postmark Here

Cindy - USS-Cinda

Sent To Mr. Peter Gray
Falls Township
Street, Apt. No., or PO Box No. Township Manager
City, State, ZIP+4 188 Lincoln Highway, Suite 100
Fairless Hills, PA. 19030

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Chris Falkler
Environmental Cleanup Program
PADEP -Southeast Regional Office
2 East Main Street
Norristown, PA 19401

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X S. Bouch ☐ Agent ☐ Addressee

B. Received by (*Printed Name*) S. Bouch C. Date of Delivery 3-2-10

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number (*Transfer from service label*) 7009 2820 0003 5139 2618

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

Bucks County, SS.

Ad Content Proof

NOTICE
Notice of Intent to Remediate to the Pennsylvania Act 2 Environmental Standards

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, P.L. 4, No. 1995-2., notice is hereby given that U. S. Steel Corporation (remediator) has submitted to the Pennsylvania Department of Environmental Protection a Notice of Intent to Remediate (NIR) concerning the Keystone Industrial Port Complex (KIPC) formerly known as the Fairless Works facility, located at 1 Ben Fairless Drive in Fairless Hills, Bucks County, Pennsylvania. The entire property encompasses about 3,900-acres.

The former Fairless Works facility has been in operation since 1952. Historically, the KIPC Site was used for steel operations that included coke production, steel production, and finishing. U.S. Steel maintains a hot-dip galvanizing line on-site but the remainder of the steel making operations ceased between 1982 and 1991. The majority of the inactive structures were demolished between 1993 and 1995. The subject property is currently zoned for non-residential use and its immediate and long-term planned future use is non-residential involving storage, manufacturing, and industrial uses.

Groundwater sampling has been completed at the site to characterize on-site groundwater conditions and U.S Steel Corporation plans to ultimately demonstrate attainment of the Pennsylvania Site Specific Standards for groundwater. The 30-day comment period under the Site Specific Standard is initiated with the publication of this notice. Groundwater samples have been analyzed for volatile organic compounds, semi-volatile organic compounds, metals identified as RCRA Appendix IX analytes. The soil to groundwater pathway MSC is based on the non-use aquifer criteria because the site has obtained a non-use aquifer designation from PADEP. A Remedial Investigation/Act2 Final Report will be submitted to obtain a release of liability for soils under the Pennsylvania Land Recycling Program.
CT: November 16, 2009

LANGAN I ENGINEERING &
2700 KELLY ROAD SUITE 200
WARRINGTON, PA 18976

1-041159005
0005770299-01

Laurie Clark being duly affirmed according to law, deposes and says that he/she is the Legal Billing Co-ordinator of the COURIER TIMES INCORPORATED, Publisher of The Bucks County Courier Times, a newspaper of general circulation, published and having its place of business at Levittown, Bucks County, Pa; that said newspaper was established in 1910; that securely attached hereto is a facsimile of the printed notice which is exactly as printed and published in said newspaper on

November 16, 2009

and is a true copy thereof; and that this affiant is not interested in said subject matter of advertising; and all of the allegations in this statement as to the time, place and character of publication are true.

Laurie Clark
LEGAL BILLING CO-ORDINATOR

Affirmed and subscribed to me before me this 25th day of February 2010 A.D.

Karen McG
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Karen McGovern, Notary Public
Tullytown Boro, Bucks County
My Commission Expires Feb. 19, 2013
Member, Pennsylvania Association of Notaries

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

David T. Gockel, P.E., P.P.
George P. Kelley, P.E.
George E. Derrick, P.E.
Michael A. Semeraro, Jr., P.E.
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Christopher M Hager, P.E.
John J. McElroy, Jr., Ph.D., P.E.
Steve Ueland, P.E.

Caryn L. Barnes
Jason S. Englehardt, P.E.

August 3, 2010

VIA CERTIFIED MAIL – Return Receipt Requested

Mr. Peter Gray
Falls Township
Township Manager
188 Lincoln Highway, Suite 100
Fairless Hills, PA. 19030

RE: Submittal of Remedial Investigation/Act 2 Final Report
Former U. S. Steel Fairless Works
Site-Wide Groundwater Project
Keystone Industrial Port Complex
Fairless Hills, Bucks County, Pennsylvania

Dear Mr. Gray:

Notice is hereby given that United States Steel Corporation (remediator) has submitted a Remedial Investigation/Act 2 Final Report to the Department of Environmental Protection concerning the Keystone Industrial Port Complex (KIPC) formerly known as the Fairless Works facility, located at 1 Ben Fairless Drive in Fairless Hills, Bucks County, Pennsylvania. The entire property encompasses about 3,900-acres.

The site-wide groundwater report indicates that the remediation measures taken have attained compliance with the site-specific cleanup standard established under the Land Recycling and Environmental Remediation Standards Act.

This notice is made under the provision of the Land Recycling and Environmental Standards Act, the Act of May 19, 1995, P.L. #4, No. 2.

Please do not hesitate to call us at (215) 491-6542 with any questions you may have.

Sincerely,
Langan Engineering & Environmental Services

Juddson W. Herr

Juddson Herr
Assistant Project Manager

cc: Lauren Mapleton (PADEP)
Dennis Jones (U. S. Steel)
Colleen Costello (Langan)
File (Langan)
Kathleen Mayher (U. S. Steel)
Linda Matyskiela (EPA)

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

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Steve Ueland, P.E.

Caryn L. Barnes
Jason S. Englehardt, P.E.

August 3, 2010

VIA FACSIMILE

Bucks County Courier Times
Attention: Legal Advertising Department
P.O. BOX 14401
York, PA 17405

RE: Legal Notice
Former U. S. Steel Fairless Works
Site-Wide Groundwater Project
Keystone Industrial Port Complex
Fairless Hills, Bucks County, Pennsylvania

To Whom It May Concern:

Langan Engineering and Environmental Services, Inc. for U.S. Steel Corporation requests that the following Public Notice be published in the Bucks County Courier Times under the legal notices section.

Notification of Submittal of a Remedial Investigation/Act 2 Final Report for the Site-Specific Standard

Notice is hereby given that U.S. Steel Corporation (remediator) submitted a Remedial Investigation Report/Act 2 Final Report to the Pennsylvania Department of Environmental Protection, Southeastern Regional Office, concerning the Keystone Industrial Port Complex (KIPC) formerly known as the Fairless Works facility, located at 1 Ben Fairless Drive in Fairless Hills, Bucks County, Pennsylvania. The entire property encompasses about 3,900-acres.

The site-wide groundwater report indicates that the subject property has attained compliance with the site-specific cleanup standard established under the Land Recycling and Environmental Remediation Standards Act. This notice is made under the provision of the Land Recycling and Environmental Remediation Standards Act, the Act of May 19, 1995, P.L. #4, No. 2.

Please publish the notice as soon as possible and fax the proof of publication to me at (215) 491-6501. Please also mail the hard copy of the proof of publication and your invoice to my attention at the following address:

Langan Engineering & Environmental Services
Attn: Juddson Herr
2700 Kelly Road, Suite 200
Warrington, PA 18976

Should you have any questions or comments regarding the request, please contact me at (215) 491-6542.

Sincerely,
Langan Engineering & Environmental Services

Juddson W. Herr

Juddson Herr
Assistant Project Manager

cc: Lauren Mapleton (PADEP)
Kathleen Mayher (U. S. Steel)
Dennis Jones (U. S. Steel)
Linda Matyskiela (EPA)
Colleen Costello (Langan)
Judd Herr (Langan)
File (Langan)

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City, State, ZIP+4 Fairless Hills, PA 19030

PS Form 3800, August 2006 See Reverse for Instructions

APPENDIX B

Groundwater Sampling and Analysis Plan – January 17, 2008 and Groundwater Sampling and Analysis Plan Addendum- May 21, 2009 (on CD)

LANGAN

GROUNDWATER SAMPLING AND ANALYSIS PLAN
KEYSTONE INDUSTRIAL PORT COMPLEX

U. S. STEEL CORPORATION
KEYSTONE INDUSTRIAL PORT COMPLEX
FAIRLESS HILLS, PENSYLVANIA

Prepared for:

U.S. Steel Corporation
600 Grant Street
Pittsburgh, Pennsylvania 15219

Prepared by:

Langan Engineering & Environmental Services
30 South 17th Street
Philadelphia, Pennsylvania 19103

January 17, 2008
2634102

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

GROUNDWATER SAMPLING AND ANALYSIS PLAN
KEYSTONE INDUSTRIAL PORT COMPLEX

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ENGINEERING & ENVIRONMENTAL SERVICES

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1.0 PROJECT DESCRIPTION AND OBJECTIVES

The Keystone Industrial Port Complex is located on the west bank of the Delaware River, approximately 20 miles northeast of Philadelphia, Pennsylvania. The Keystone Industrial Port Complex has been in operation since 1952 and encompasses approximately 2,500 acres. Former US Steel operations included coke production, steel making, finishing and forging operations. Site improvements include a power house and a chemical plant. US Steel maintains a hot-dip galvanizing line on-site but the remainder of the operations ceased between 1982 and 1991. Several of the inactive structures were demolished between 1993 and 1995.

At the Keystone Industrial Port Complex Site, there are several borrow pits (BP) that were used as a source of fill material for construction, and subsequently were filled. These BPs are Solid Waste Management Units and are governed by RCRA regulations. Several soil investigations under the Pennsylvania Act 2 Program have been completed at the site and have received Releases of Liability (ROL) for soils. This Groundwater Sampling and Analysis Plan (SAP) has been prepared to enable US Steel to begin a site wide groundwater characterization program under the Act 2 and the One Cleanup Program.

1.1 Objectives

The primary objectives of this groundwater investigation is to confirm the groundwater sampling results collected from the perimeter monitoring well network in 1996 and 2000, and to initiate a site wide groundwater investigation under the Act 2 program that will ultimately support a Release of Liability from the Pennsylvania Department of Environmental Protection (PADEP) and a Final Agency Determination from the Environmental Protection Agency (EPA) under the One Cleanup Program.

1.2 Geology and Hydrogeology

The site-specific geology can be divided into the following units:

- Crystalline Bedrock (pre-Cretaceous)
- Lower Raritan Formation (Cretaceous)
- Upper Raritan Formation (Cretaceous)
- Man-made Fill, Alluvial deposits and Pleistocene sands and gravels

The bedrock consists of schists and gneisses and, as reported in the 1994 Current Conditions Report, ranges from approximately 100 to 160 feet below MSL (BMSL).

The Lower Raritan Formation is comprised of the Farrington Sand, Lower Clay, and Sayreville Sand members. The Farrington Sand, located approximately 110 to 150 feet BMSL, forms the lowermost confined aquifer and is overlain by the Lower Clay. The Lower Clay, located approximately 80 to 120 feet BMSL, is the confining unit that separates the Farrington Sand from the Sayreville Sand. The Sayreville Sand, located approximately 50 to 80 feet BMSL, is the uppermost confined aquifer and is overlain by the Middle Clay member of the Upper Raritan Formation.

The Upper Raritan Formation is comprised of the Middle Clay, Old Bridge Sand, and Upper Clay members. The Middle Clay, located approximately 30 to 60 feet BMSL, is the confining unit that separates the Sayreville Sand member of the Lower Raritan Formation from the Old Bridge Sand. The Old Bridge Sand, located approximately 20 to 40 feet BMSL, is considered part of the water table aquifer and is overlain by the Upper Clay, Magothy Formation deposits, Trenton gravel and Holocene alluvium. The water table aquifer comprises all deposits above the Middle Clay confining unit. Groundwater flow in the water table aquifer flows towards the Northeast, East and Southeast towards the Delaware River. In general, monitoring wells screened between 20 and 50 feet are screened within the Water Table Aquifer and wells screened in excess of 60 feet are screened beneath the Middle Clay in the Confined Aquifer.

1.3 Regulatory History

US Steel (formerly USX Corporation) entered into a “Formal Administrative Order On Consent” (U.S. EPA Docket Number: RCRA-III-065-CA) under Section 3008(h) of the Resource Conservation and Recovery Act as amended, 42 U.S. C. Section 6928(h) for corrective action. The effective date of the consent order was April 20, 1993. Groundwater has been evaluated in numerous reports prepared by US Steel, including:

- Description of Current Conditions (DCC) dated March 1994

- Technical Approach to the RCRA Facility Investigation (RFI)/Corrective Measures Study (CMS)dated February 1994
- Phase I RFI Work Plan dated November 1994 (and revised January 1995)
- Phase I Interim Report dated March 1996 (and revised June and August 1996)
- Model Verification Report dated September 1996 (and revised November 1996)
- Phase I RFI dated September 1997 (and revised April 1998)
- Request for Non-Use Aquifer Determination dated January 1999
- Non-use aquifer determination issued by PADEP on April 9, 1999

US Steel focused their investigation activities on groundwater conditions at the Site within these reports. A groundwater model was used to establish a perimeter monitoring network which was biased most heavily toward detection of any potential migratory impacts at the perimeter of the site. In 1996, in association with the Phase I RFI, the perimeter monitoring wells (30 total) were sampled for RCRA Appendix IX hazardous constituents (except PCBs and pesticides). Based on the 1996 RFI monitoring results, further investigation of groundwater quality in the confined aquifer was determined to be unnecessary; and, additional groundwater monitoring in the water table aquifer was recommended due to sporadic, low level, exceedances of the screening criteria. In 2000, US Steel collected a second round of groundwater samples from the perimeter monitoring wells. The results of the sampling event confirmed the results of the 1996 Phase I RFI. A non-use aquifer determination was granted for the facility by the PADEP in 1999 based on the lack of communication between the water table aquifer and the confined groundwater unit, the fact that there was no current or future use of the water table aquifer and the demonstrated lack of impact to the Delaware River from site groundwater.

1.4 Scope of Work

To meet these objectives, groundwater analytical samples will be collected from the 26 perimeter monitoring wells screened within the water table aquifer, 11 monitoring wells identified in the 2002 BP-20 Post Closure Permit, as well as 17 monitoring wells located within the interior of the Site, upgradient of the perimeter monitoring wells and between the AOCs/SWMUs and the Delaware River. The locations of the monitoring wells selected for groundwater sampling are provided in Table 1 and illustrated in Figure 1. The rationale for selecting each proposed monitoring well is also provided in Table 1.

This SAP presents objectives and the field activities necessary to collect the above referenced data. All work described herein will be completed in accordance with a site specific Health and Safety Plan (HASP) to be developed under separate cover.

2.0 SAMPLING AND FIELD PROCEDURES

The following provides an overview of the proposed groundwater sampling procedures. Detailed SOPs are provided as Appendix A of this Plan.

2.1 Groundwater Sampling

US Steel proposes to collect groundwater samples from the monitoring wells listed in Table 1 and illustrated in Figure 1 in accordance with the 1993 consent order and 1994 Phase I RFI Workplan as outlined in the standard operating procedures (SOPs) included as Appendix A. Synoptic water levels will be measured in all wells prior to purging. Groundwater measurements will be gauged with an electronic water level indicator capable of measuring groundwater elevations and non-aqueous phase liquid (NAPL), if present, to within 0.01 feet. Decontamination of field equipment will be performed between data collection at each point. Ultimately, this data will be tabularized, along with the well ID, depth to water, and reference elevation, to calculate groundwater elevations and construct ground water elevation contour maps. These maps will be used to evaluate general flow patterns across the site and to aid in developing the scope for the Phase II RFI.

Monitoring well purging and sampling procedures are described in the SOPs contained in Appendix A. Monitoring wells will be purged in accordance with the Phase I RFI. Prior to groundwater purging, a downhole multi-meter will be lowered into the well for collection of pre-purge water quality parameters (i.e., pH, temperature, specific conductivity, turbidity, DO, and ORP). Purge water will be containerized and placed in 55 gallon drums for disposal at onsite location agreed upon between Langan and US Steel prior to initiating the groundwater sampling event. All non-dedicated and non-disposable equipment to go down the well will be decontaminated in accordance with the SOPs included as Appendix A.

After purging the appropriate volume of groundwater, a downhole multi-meter will be lowered into the well to collect post-purge water quality parameters (i.e., pH, temperature, specific conductivity, turbidity, DO, and ORP). Once water levels in the well have recovered, groundwater samples will be acquired using dedicated, disposable, Teflon bailers and transferred into laboratory-supplied containers. Immediately following collection, a downhole multi-meter will be lowered into the well to collect sample water quality parameters (i.e., pH, temperature, specific conductivity, turbidity, DO, and ORP). The groundwater samples will be labeled using an indelible marker and will contain the site name, sample identification, project number, date, time, sampler's initials, and required analysis. Once the

samples are labeled they will be transferred to a sample cooler, the internal atmosphere of which will be maintained at approximately 4°C. QA/QC samples will be collected and, based on the proposed scope of work, will include five field blanks, five trip blanks, and five duplicate samples. A chain of custody form will be completed in the field and will accompany the samples to the laboratory to document acquisition, possession, and analysis. Samples from each proposed well will be submitted to TestAmerica Pittsburgh (formerly STL Pittsburgh) for analysis of VOCs, SVOCs, and metals identified as RCRA Appendix IX analytes and general chemistry parameters. Table 2 presents a list of laboratory analyses to be performed as well as the proposed quality control samples. Proposed laboratory analyte lists are presented in Table 3.

All field sampling parameters will be measured and recorded on field data sheets as well as a field log book. Recorded details will include well ID, sample date and time, calculated and actual purge volumes, purge flow rate, and PID reading. Additionally, sampling parameters including pH, oxidation-reduction potential (Eh), dissolved oxygen, temperature, and conductivity will be collected prior to purging, at the termination of purging, and at the initiation of sample collection.

3.0 SCHEDULE

Upon EPA and PADEP approval, sampling will be initiated immediately. Based on the number of wells proposed, the groundwater sampling event will last approximately five to seven days.

4.0 CLOSING

We look forward to continuing to work with US Steel, the PADEP and the EPA on this exciting project. We respectfully request a meeting to discuss this SAP to address any questions concerning the proposed activities.

LIST OF TABLES

TABLE 1 — Proposed Sample Well Locations and Sample Rationale

TABLE 2 — Summary of Sampling and Analysis

TABLE 3 — Summary of RCRA Appendix IX Analytes

Table 1
Proposed Sample Well Locations and Sample Rationale
US Steel Fairless Works
Fairless Hills, Pennsylvania

Proposed Sample Location	Screened Water Bearing Unit	Sampling Rationale
BP-20 Wells[1]		
MW5-21-20	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-22-32	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-23-42	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-25-27	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-26-52	Deep Water Table	Characterize groundwater in the vicinity of BP-20
MW5-27-17	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-28-31	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-29-49	Deep Water Table	Characterize groundwater in the vicinity of BP-20
MW5-31-21	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-32-31	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
MW5-33-41	Shallow Water Table	Characterize groundwater in the vicinity of BP-20
Perimeter Monitoring Wells[2]		
MW5-41-19	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW7-04-26	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW7-05-28	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW6-05-28	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW6-02-27	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW6-29-73	Deep Water Table	Evaluate trends in the original perimeter monitoring well
MW6-06-24	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW6-12-42	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW6-20-37	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW4-14-36	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW4-10-23	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW4-30-63	Deep Water Table	Evaluate trends in the original perimeter monitoring well
MW4-02-24	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW2-03-33	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW2-01-22	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW1-15-29	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW1-27-19	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW1-28-74	Deep Water Table	Evaluate trends in the original perimeter monitoring well
MW1-26-27	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW1-12-29	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW1-25-22	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW1-24-23	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW1-23-47	Deep Water Table	Evaluate trends in the original perimeter monitoring well
MW4-11-33	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW3-02-27	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
MW5-18-26	Shallow Water Table	Evaluate trends in the original perimeter monitoring well
Secondary Monitoring Network[3]		
MW1-02-31	Shallow Water Table	Evaluate conditions upgradient of perimeter monitoring well MW1-23-47 and downgradient of BP-3
MW1-10-32	Shallow Water Table	Evaluate conditions upgradient of Perimeter Monitoring Well MW1-27-19 and Upgradient of BP-35, BP-35A, BP-35B, and BP-35C.
MW3-04-30	Shallow Water Table	Evaluate groundwater conditions upgradient of BP-9 and 10, immediately downgradient of an area where soil was formerly sampled.
MW3-12-31	Shallow Water Table	Evaluate groundwater conditions upgradient of BP-2 and downgradient of BP-4, immediately upgradient of an area where soil was formerly sampled.
MW3-22-28	Shallow Water Table	Evaluate conditions upgradient of BP-13 and BP-8.
MW3-29-29	Shallow Water Table	Evaluate conditions along the perimeter of the Site, downgradient of BP-8 and BP-13.
MW3-34-28	Shallow Water Table	Evaluate conditions downgradient of BP-4 and perimeter monitoring well MW3-02-27
MW3-41-29	Shallow Water Table	Evaluate conditions in the interior, downgradient of BP-2 and BP-4 and upgradient of BP-3
MW3-44-14	Shallow Water Table	Evaluate NAPL observed during Environmental Investigation of Proposed Puralube Lease in 1995 and evaluate conditions downgradient of BP-8 and BP-9.
MW4-33-25	Shallow Water Table	Confirm BTEX Compounds Detected During Environmental Investigation of Bar Mill Warehouse and Office in 1992 and Evaluate Conditions within the Interior of Southeast Quadrant, upgradient of BP-NT-4 and the Slag Disposal Area.
MW5-07-24	Shallow Water Table	Evaluate conditions downgradient of Perimeter Monitoring Well MW5-18-26 and BP-17.
MW5-11-27	Shallow Water Table	Evaluate groundwater conditions upgradient of BP-23, 24, and 25, in an area where soil was formerly sampled.
MW5-12-27	Shallow Water Table	Evaluate conditions in the interior, upgradient of perimeter monitoring wells MW7-05-28 and MW7-04-26 and downgradient of BP-17 and BP-32.
MW6-04-29	Shallow Water Table	Confirm VOCs detected in 2000 in the Northeast Quadrant of the Site
MW6-08-28	Shallow Water Table	Confirm VOCs detected in 2000 in the Northeast Quadrant of the Site
MW6-26-20	Shallow Water Table	Evaluate conditions in the interior of the northeast quadrant, upgradient of Perimeter Monitoring Wells MW6-05-28, MW6-29-73 and MW6-02-27
MW7-09-17	Shallow Water Table	Evaluate conditions in the interior, upgradient of perimeter monitoring wells MW7-05-28 and MW7-04-26 and downgradient of BP-21, BP-31, and BP-31A.

1 - Identified in the BP-20 Post-Closure Monitoring Permit
2 - Identified in the 1996 Groundwater Model Verification Report. Based upon inspection in July 2007, monitoring well MW2-4-77 was destroyed and, therefore, can not be sampled.
In addition, perimeter monitoring wells screened in the confined water bearing unit, including MW1-22-173, MW4-15-119, and MW4-37-29, are not included in the proposed sampling event.
3 - Located in Areas of documented impacts and/or upgradient of perimeter wells and between SWMUs/AOCs and the Delaware River

Table 2
Summary of Sampling and Analysis
US Steel Fairless Works
Fairless Hills, Pennsylvania

SAMPLE MATRIX	LABORATORY PARAMETERS	ANALYTICAL METHODS	INVESTIGATIVE SAMPLES	QC SAMPLES[1]				*TOTAL*
				FIELD DUPLICATE SAMPLES	FIELD BLANK SAMPLES	TRIP BLANK SAMPLES[2]	MS/MSD SAMPLES	
Groundwater	RCRA Appendix IX VOCs	SW-846 8260B	54	6	6	5	6	*77*
	RCRA Appendix IX SVOCs	SW-846 8270C	54	6	6	na	6	*72*
	RCRA Appendix IX Metals	SW-846 6010B/6020/7000	54	6	6	na	6	*72*

1 - QC samples will be collected at a rate of approximately one per ten investigative samples.
2 - Total number of trip blanks is estimated: one trip blank will be included with each sample cooler containing VOCs for analysis.

MS/MSD - Matrix Spike/Matrix Spike Duplicate
na - not applicable

Table 3
Summary of RCRA Appendix IX Analytes
US Steel Fairless Works
Fairless Hills, Pennsylvania

ANALYTE	CAS NO.
VOLATILE ORGANIC COMPOUNDS	
Acrolein	107-02-8
Acetone	67-64-1
Acetonitrile	75-05-8
Acrylonitrile	107-13-1
Allyl chloride	107-05-1
Benzene	71-43-2
Bromodichloromethane	75-27-4
Bromoform	75-25-2
Bromomethane	74-83-9
2-Butanone (MEK)	78-93-3
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chloroethane	75-00-3
Chloroform	67-66-3
Chloroprene	126-99-8
Chloromethane	74-87-3
Dibromochloromethane	124-48-1
1,2-Dibromo-3-chloropropane	96-12-8
1,2-Dibromoethane	106-93-4
trans-1,4-Dichloro-2-butene	110-57-6
Dichlorodifluoromethane	75-71-8
1,1-Dichloroethane	75-34-3
1,2-Dichloroethane	107-06-2
1,1-Dichloroethene	75-35-4
trans-1,2-Dichloroethene	156-60-5
1,2-Dichloropropane	78-87-5
cis-1,3-Dichloropropene	10061-01-5
trans-1,3-Dichloropropene	10061-02-6
1,4-Dioxane	123-91-1
Ethylbenzene	100-41-4
Ethyl methacrylate	97-63-2
2-Hexanone	591-78-6
Isobutyl alcohol	78-83-1
Methacrylonitrile	126-98-7
4-Methyl-2-pentanone (MIBK)	108-10-1
Methylene bromide	74-95-3
Methylene chloride	75-09-2
Methyl iodidie	74-88-4
Methyl methacrylate	80-62-6
Pentachloroethane	76-01-7
Propionitrile	107-12-0
Styrene	100-42-5
1,1,1,2-Tetrachloroethane	630-20-6
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethene	127-18-4
Toluene	108-88-3
1,1,1-Trichloroethane	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethene	79-01-6
Trichlorofluoromethane	75-69-4
1,2,3-Trichloropropane	96-18-4
Vinyl acetate	108-05-4
Vinyl chloride	75-01-4
Xylenes (total)	1330-20-7
SEMI-VOLATILE ORGANIC COMPOUNDS	
2-Chlorophenol	95-57-8
p-Chloro-m-cresol	59-50-7
2,4-Dichlorophenol	120-83-2
1,2,4,5-Tetrachlorobenzene	95-94-3
1,2,4-Trichlorobenzene	120-82-1
1,4-Naphthoquinone	130-15-4
1-Naphthylamine	134-32-7
2,3,4,6-Tetrachlorophenol	58-90-2
2,4,5-Trichlorophenol	95-95-4
2,4,6-Trichlorophenol	88-06-2
2,4-Dimethylphenol	105-67-9
2,4-Dinitrophenol	51-28-5
2,4-Dinitrotoluene	121-14-2

Table 3
Summary of RCRA Appendix IX Analytes
US Steel Fairless Works
Fairless Hills, Pennsylvania

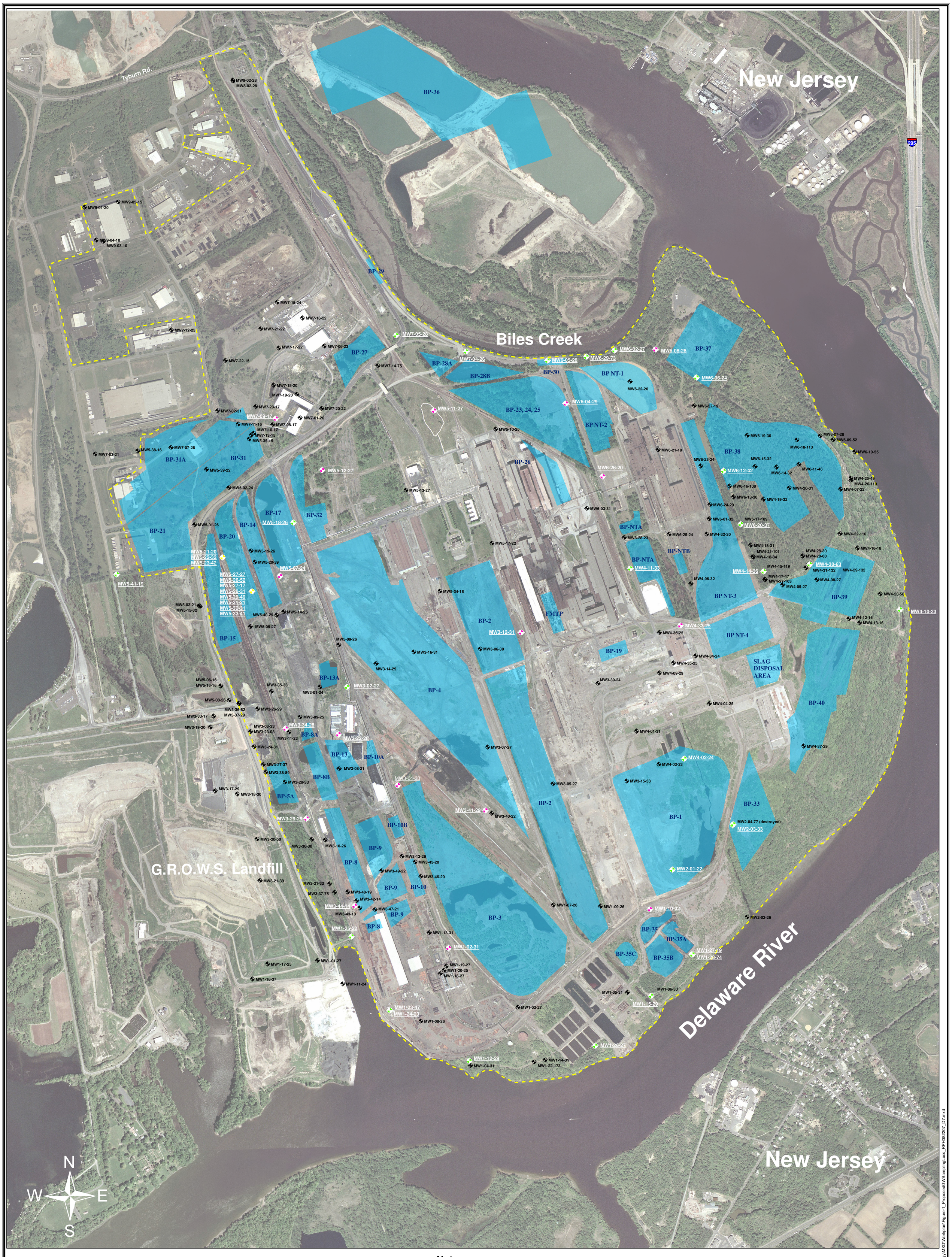
ANALYTE	CAS NO.
2,6-Dichlorophenol	87-65-0
2,6-Dinitrotoluene	606-20-2
2-Acetylaminofluorene	53-96-3
2-Chloronaphthalene	91-58-7
2-Methylnaphthalene	91-57-6
2-Methylphenol	95-48-7
2-Naphthylamine	91-59-8
2-Picoline	109-06-8
3&4-Methylphenol	
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dimethylbenzidine	119-93-7
3-Methylcholanthrene	56-49-5
4,6-Dinitro-o-cresol	534-52-1
4-Aminobiphenyl	92-67-1
4-Bromophenyl phenyl ether	101-55-3
4-Chlorophenyl phenyl ether	7005-72-3
4-Nitroquinoline 1-Oxide	56-57-5
5-Nitro-o-toluidine	99-55-8
7,12-Dimethylbenz(a)anthracene	57-97-6
A,A-Dimethylphenethylamine	122-09-8
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Acetophenone	98-86-2
Aniline	62-53-3
Anthracene	120-12-7
Aramite	140-57-8
Benzo(a)anthracene	56-55-3
Benzo(a)pyrene	50-32-8
Benzo(b)fluoranthene	205-99-2
Benzo(g,h,i)perylene	191-24-2
Benzo(k)fluoranthene	207-08-9
Benzyl Alcohol	100-51-6
Butyl benzyl phthalate	85-68-7
Chlorobenzilate	510-15-6
Chrysene	218-01-9
Di-n-butyl phthalate	84-74-2
Di-n-octyl phthalate	117-84-0
Diallate	2303-16-4
Dibenzo(a,h)anthracene	53-70-3
Dibenzofuran	132-64-9
Diethyl phthalate	84-66-2
Dimethoate	60-51-5
Dimethyl phthalate	131-11-3
Dinoseb	88-85-7
Diphenylamine	122-39-4
Disulfoton	298-04-4
Ethyl methanesulfonate	62-50-0
Famphur	52-85-7
Fluoranthene	206-44-0
Fluorene	86-73-7
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachlorocyclopentadiene	77-47-4
Hexachloroethane	67-72-1
Hexachlorophene	70-30-4
Hexachloropropene	1888-71-7
Indeno(1,2,3-cd)pyrene	193-39-5
Isodrin	465-73-6
Isophorone	78-59-1
Isosafrole	120-58-1
Kepone	143-50-0
Methapyrilene	91-80-5
Methyl methanesulfonate	66-27-3
Methyl parathion	298-00-0
N-Nitrosodi-n-butylamine	924-16-3
N-Nitrosodiethylamine	55-18-5
N-Nitrosodiphenylamine	86-30-6
N-Nitrosodi-n-propylamine	621-64-7
N-Nitrosomethylethylamine	10595-95-6
N-Nitrosomorpholine	59-89-2

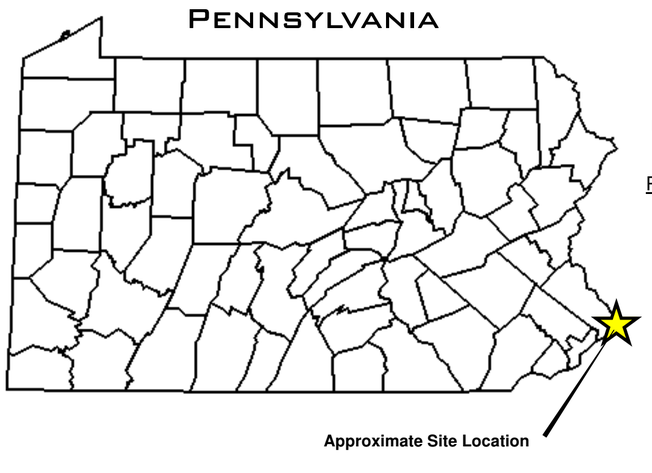
Table 3
Summary of RCRA Appendix IX Analytes
US Steel Fairless Works
Fairless Hills, Pennsylvania

ANALYTE	CAS NO.
N-Nitrosopiperidine	100-75-4
N-Nitrosopyrrolidine	930-55-2
Naphthalene	91-20-3
Nitrobenzene	98-95-3
O,O,O-Triethyl phosphorothioat	126-68-1
Parathion	56-38-2
Pentachlorobenzene	608-93-5
Pentachloronitrobenzene	82-68-8
Pentachlorophenol	87-86-5
Phenacetin	62-44-2
Phenanthrene	85-01-8
Phenol	108-95-2
Phorate	298-02-2
Pronamide	23950-58-5
Pyrene	129-00-0
Pyridine	110-86-1
Safrole	94-59-7
Tetraethyl dithiopyrophosphate	3689-24-5
Thionazin	297-97-2
bis(2-Chloro-1-Methylethyl)ether	108-60-1
bis(2-Chloroethoxy)methane	111-91-1
bis(2-Chloroethyl)ether	111-44-4
bis(2-Ethylhexyl)phthalate	117-81-7
m-Dichlorobenzene	541-73-1
m-Dinitrobenzene	99-65-0
m-Nitroaniline	99-09-2
n-Nitrosodimethylamine	62-75-9
o-Dichlorobenzene	95-50-1
o-Nitroaniline	88-74-4
o-Nitrophenol	88-75-5
o-Toluidine	95-53-4
p-(Dimethylamine)azobenzene	60-11-7
p-Chloroaniline	106-47-8
p-Dichlorobenzene	106-46-7
p-Nitroaniline	100-01-6
p-Nitrophenol	100-02-7
p-Phenylenediamine	106-50-3
sym-Trinitrobenzene	99-35-4
INORGANIC COMPOUNDS	
Antimony	7440-36-0
Arsenic	7440-38-2
Barium	7440-39-3
Beryllium	7440-41-7
Cadmium	7440-43-9
Chromium	7440-47-3
Cobalt	7440-48-4
Copper	7440-50-8
Lead	7439-92-1
Mercury	7439-97-6
Nickel	7440-02-0
Selenium	7782-49-2
Silver	7440-22-4
Thallium	7440-28-0
Tin	7440-31-5
Vanadium	7440-62-2
Zinc	7440-66-6
Cyanide	57-12-5
Sulfide	18496-25-8

LIST OF FIGURES

FIGURE 1 — Proposed Groundwater Sampling Locations





Legend

- US Steel Fairless Works Approximate Property Boundary
- BP-4 — Solid Waste Management Unit
- MW1-03-27 — Monitoring Well Location

Proposed Groundwater Sampling Locations (White/Underlined)

- MW2-01-22 — Perimeter Well
- MW5-27-27 — Borrow Pit 20 (BP-20) Well
- MW1-02-31 — Secondary Monitoring Well Network

Notes

1. 2002 aerial photograph purchased from Map Mart.
2. SWMU Areas obtained from March 1994 Description of Current Conditions Report, U.S. Steel, prepared by BCM Engineering, Inc.
4. Well Locations based on ENSR, Figure 1: Well Locations. January 2003. exceedances of PP Metals (as metals exceeded the SSLs in all locations)

Figure 1 - Proposed Groundwater Sampling Locations
U.S. Steel Fairless Works
Keystone Industrial Port Complex
Fairless Hills, Pennsylvania

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
30 South 17th Street Suite 1500 Philadelphia, PA 19103

0 700 1,400 Feet

SCALE:	1" = 700'
DATE:	January 10, 2008
DRN. BY:	AJ
CKD. BY:	
JOB#:	2634102

S:\Other\USSteel\GIS_Database\ArcGIS\Working MXDs\2634102 - Sitewide Groundwater Strategy\MXD\Workplan\Figure-1_ProposedGWSamplingLocs_RPH082207_D7.mxd

APPENDIX

APPENDIX A — Standard Operating Procedures

1.0 PURPOSE AND SCOPE

This document defines the standard procedure for collecting groundwater samples at the Site. This SOP gives descriptions of equipment and field procedures necessary to collect groundwater samples. Sampling locations will be specified in the project-specific SAP.

2.0 GROUNDWATER SAMPLING EQUIPMENT AND PROCEDURES

2.1 EQUIPMENT LIST AND CALIBRATION REQUIREMENTS

Equipment used during well purging and sampling:

- Well keys
- Flame-Ionization Detector (FID) and/or Photo-Ionization Detector (PID)
- Electronic water level probe or oil-water interface probe with 0.01-foot increments
- Appropriate pump (submersible, peristaltic, or bladder)
- Portable electric generator (if required)
- Water quality multi-meter with extended cord for down-hole readings
- Calibration fluids for multi-meter
- Plastic buckets, 55-gallon drums, or truck mounted holding tank for storing purged water
- Disposable bottom fill Teflon bailer with Teflon ball check valve
- Polyethylene tubing
- Assorted tools (knife, screwdriver, etc.)
- Nylon rope or twine
- Stainless steel bailers (if needed)
- Paper towels
- Calculator
- Sample jars and labels. Sample bottles with preservatives added will be obtained from the analytical laboratory. Several extra sample bottles should be obtained in case of breakage or other problems.
- Cooler with ice
- Field notebook, well completion information sheet, Chain-of-Custody (COC) forms
- Waterproof and permanent marker
- Appropriate health and safety equipment
- Appropriate decontamination equipment (as described in SOP No. 1)

Before any purging or sampling activities begin, all applicable sampling devices will be decontaminated according to the procedures in SOP No. 1. Each piece of reusable purging or sampling equipment will be decontaminated before sampling operations and between each well. The decontamination solutions will be replaced with clean solutions between each well. Used solutions will be placed in the container with purged well water for disposal as investigation-derived waste (IDW) in accordance with the SAP.

Before going into the field, all water quality meters will be tested to ensure they are operating properly. The pH, turbidity and conductivity meters require calibration prior to use every day and must be recalibrated if they have been turned off. Dissolved oxygen and ORP meters will be calibrated according to the manufacturer's recommended frequencies. Calibration times and readings will be recorded in a notebook to be kept by the field sampling team. Specific instructions for calibrating the instruments are given in the instrument manuals.

2.2 SAMPLING PROCEDURE

This section gives the step-by-step procedures for collecting groundwater samples in the field. Observations made during sample collection should be recorded in the field notebook and field data sheet. Prior to groundwater sample collection, presence of any immiscible layers will be assessed using the oil/water interface probe (the Project Manager will be contacted prior to sampling if NAPL is present).

2.2.1 Well Purging

Prior to sampling, all wells will be purged. The purpose of well purging is to remove stagnant water from the well and obtain representative water from the geologic formation being sampled while minimizing disturbance to the collected samples. Before a sample is taken, the well will be purged until a minimum of three well casing volumes have been removed or until the well is pumped and allowed to recover. Evacuated well water will be contained in buckets, 55-gallon drums, or a truck mounted holding tank for proper disposal, and necessary precautions will be taken to prevent spilling of water.

All monitoring well purging and sampling will follow procedures outlined in the Phase I RCRA Facility Investigation Workplan approved by the EPA in December 1994.

Before well purging begins, the following procedures will be performed at each well:

- Note the condition of the outer well casing, concrete well pad, protective posts (if present), and any unusual conditions of the area around the well in the field notebook.
- Unlock and open the well and note the condition of the inner well cap and casing in the field notebook.
- Measure air quality within the outer well casing with an FID or PID and record in the field notebook.
- Measure depth to water and total well depth (to nearest 0.01-foot) from the marked measuring point on the top of the PVC well casing as described in SOP 2. Record measurements in field notebook.
- Based on depth to water, total well depth and casing diameter, calculate the volume of water in the well casing in gallons.

- Slowly lower the multi-meter into the monitoring well within the top one-third of the saturated area of the screen and measure temperature, dissolved oxygen, ORP, specific conductivity, turbidity, and pH measurement prior to purging. Record the measurements in the field notebook.
- Slowly remove the multi-meter from the well.
- Slowly lower the pump into the well. The pump intake will be positioned in the top one-third of the saturated area of the screen.
- From the above calculation, evacuate between three and five casing volumes of water from the well. The pump rate will not exceed 10 gal/min.
- If the well is pumped dry during evacuation, it can and will be assumed that the purpose of removing 3 well volumes of water has been accomplished, that is, removing all stagnant water which had prolonged contact with the well casing or air. Approximately two hours will be allowed for the well to recover prior to collecting a sample. If, upon two hours, the well has not completely recovered but sufficient water is available, samples may be obtained.
- Following evacuation and prior to sampling, measure depth to water (to nearest 0.01-foot) from the marked measuring point on the top of the PVC well casing as described in SOP 2. Record measurements in field notebook.
- Slowly lower the multi-meter into the monitoring well within the top one-third of the saturated area of the screen and measure temperature, dissolved oxygen, ORP, specific conductivity, turbidity, and pH measurement prior to purging. Record the measurements in the field notebook.
- Slowly remove the multi-meter from the well.

2.2.2 Sample Collection

Samples for chemical analysis will be collected within 2-hours after purging is completed. The following sampling procedure is to be used at each well:

- Complete identification labels for sample bottles and affix to laboratory supplied sample bottles.
- For analyses that require preservatives, confirm that preservatives have been added to sample bottles.
- Remove disposable decontaminated dedicated bailer from protective covering and connect to decontaminated dedicated leader/cable (nylon rope).
- Lower bailer slowly until it contacts the water surface.
- Allow bailer to sink and fill with a minimum of disturbance to the sample.
- Slowly raise the bailer to the surface. Avoid contact of the bailer line to the well casing and/or ground.
- Tip the bailer to allow a slow discharge from the top gently down the side of the sample bottle to minimize disturbance. The volatile organic sample vials will be filled first, to zero headspace, with the first bailer full of water.
- Repeat steps until a sufficient sample volume is acquired.
- Immediately following sample collection, measure depth to water (to nearest 0.01-foot) from the marked measuring point on the top of the PVC well casing as

described in SOP 2. Record measurements in field notebook.

- Slowly lower the multi-meter into the monitoring well within the top one-third of the saturated area of the screen and measure temperature, dissolved oxygen, ORP, specific conductivity, turbidity, and pH measurement prior to purging. Record the measurements in the field notebook.
- Slowly remove the multi-meter from the well.
- Place sample bottles into an iced cooler.
- Record time of sampling in field notebook and on the COC.
- The well cap will be replaced and locked.
- Place used bailer and nylon rope in garbage bag or PPE drum for disposal.
- Complete field documentation.

2.3 SAMPLE IDENTIFICATION, HANDLING, AND DOCUMENTATION

Each field activity must be properly documented to allow a timely and accurate reconstruction of events in the field to provide verification of the proper acquisition of samples, and to provide a permanent record of field activities. Field activities will be documented in a bound field notebook. A field sampling sheet will be completed for all groundwater samples submitted for chemical analysis. Water quality data obtained during purging will be recorded in the field notebook and on the field sampling sheet.

Field notebook entries for groundwater sampling should include the following at a minimum:

- Names of personnel collecting samples
- Weather condition
- Location and well number
- Date and time of sampling
- Condition of the well
- Decontamination information
- Initial static water level and total well depth
- Calculations (e.g., calculation of purged volume)
- Volume of water purged
- Analyses that will be performed by the laboratory
- Sample identification number
- Equipment calibration information
- Record of any QC samples from the Site
- Conductivity, temperature and pH measurements

2.3.2 Well Volume Calculations

The following equation shall be used to calculate the volume of water to be removed during well evacuation

For 2-inch well

Well Volume (gallons) = (Total Well Depth - Water Level Depth) X 0.163 gal/ft

For 4-inch well

Well Volume (gallons) = (Total Well Depth - Water Level Depth) X 0.653 gal/ft

Multiply the well volume of one well casing by three to obtain the minimum volume of water to be evacuated.

1.0 PURPOSE AND SCOPE

This document defines the standard procedure for measuring water levels in wells at the Site.

2.0 FLUID LEVEL MEASUREMENT PROCEDURE

2.1 EQUIPMENT LIST

The equipment necessary to measure water levels includes:

- Photo-Ionization Detector (PID) or Flame-Ionization Detector (FID)
- Water level meter with 0.01-foot increments.
- Water-oil interface probe with 0.01-foot increments.
- Appropriate decontamination equipment (SOP 001).
- Field notebook.
- Appropriate health and safety equipment.

2.2 MEASUREMENT PROCEDURE

This section gives the sequence of events to follow when measuring water levels. Appropriate health and safety equipment, as described in the HASP should be worn during well opening, water level measurement, and decontamination. If separate phase liquid products are anticipated in the monitoring well, an oil-water interface probe shall be used instead of the electric water level indicator. Thickness of the product, if present, will be recorded.

- The water level probe will be decontaminated prior to use in each monitoring well. Decontamination procedures are discussed in SOP No. 1.
- The well will be approached from upwind, the well cap unlocked and removed, and the air quality monitored in the casing and breathing zone with PID or FID. Air quality measurements will be recorded in the field notebook.
- Observations on air quality, well pad, surface or protective casing and other well conditions will be documented in the field notebook. The well will be allowed to equilibrate to atmospheric pressure prior to measuring the water level.
- The water level and total well depth will be measured using an electronic water level indicator or oil-water interface probe. The measuring point for all the wells will be the top of the inner casing. For standardization of measurements, all well readings will be referenced to the north rim of the monitoring well riser pipe or to a marked reference point on the casing rim.
- If using an oil/water interface probe, lower the probe slowly into the well until it indicates whether NAPL is present. Continue to lower the oil/water level interface probe until it indicates the top of water. If present, determine the thickness of NAPL. Measure NAPL thickness and depth to water from the reference point to the nearest hundredth of a foot, record in the field notebook, and then immediately recheck the measurement before the probe is removed from the well.
- If using a water-level indicator probe, lower the probe slowly into the well until it

indicates the top of water. Measure depth to water from the reference point to the nearest hundredth of a foot, record in the field notebook, and then immediately recheck the measurement before the probe is removed from the well.

- To measure total well depth, lower the probe to the bottom of the well. Measure total depth of the well from the reference point to the nearest hundredth of a foot, record in the field notebook, and then immediately recheck the measurement before the probe is removed from the well.
- Clean the instrument with a soapy (e.g., Alconox®) water rinse followed by a distilled water rinse.
- Compare the depth of the well to previous records.
- Lock the well when all activities are completed.

2.3 DECONTAMINATION

The water level indicator must be decontaminated before use, between wells, and at the conclusion of measurements. The probe will be decontaminated according to the procedure for decontamination of sampling equipment described in SOP No. 1.

2.4 DOCUMENTATION

A water level data sheet will be completed during each measuring event at groundwater monitoring wells. Field data sheets will include date, time, well ID and permit number, total well depth, depth to NAPL, depth to water, NAPL thickness and comments. A field notebook will also be kept during monitoring well water level measurement activities describing decontamination procedures, calibration procedures, monitoring procedures, and other observations.

Both the data sheets and notebook will be filled out using legible handwriting, and will be signed and dated by the person completing the page.

2.5 CALIBRATION

The length of the water level measurement probe cord should be calibrated at least once per month or more often as needed to ensure the desired accuracy during water level measuring events. The calibration check consists of laying out 50 feet of steel tape next to 50 feet of the probe cord. Note any measurement discrepancies between the two at 1-foot intervals. The probe cord will be rechecked if there is a possibility that it was stretched or damaged during water level measurements.

The procedures followed during calibration and verification of equipment will be documented in the field notebook along with any calculations. If a correction is required, the probe will be tagged to indicate the correction.

1.0 INTRODUCTION

This document defines the standard procedure for decontamination at the Site.

1.1 SITE AND/OR SAMPLE CROSS-CONTAMINATION

The overall objective of the groundwater sampling programs is to obtain samples which accurately depict the chemical, physical, and/or biological conditions at the site. Extraneous materials can be brought onto the sampling location and/or introduced into the medium of interest during the sampling program (e.g. by bailing or pumping of groundwater with equipment previously impacted at another sampling site). Trace quantities of these materials can consequently be captured in a sample and lead to false positive analytical results and, ultimately, to an incorrect assessment of the contaminant conditions associated with the site. Decontamination of sampling equipment (e.g. bailers, pumps, and tubing) is therefore required prior to use at the Site to ensure that sample cross-contamination is prevented, and that on-site contaminants are not carried off-site.

2.0 PROCEDURE

2.1 EQUIPMENT LIST

The following is a list of equipment that may be needed to perform decontamination:

- Health and safety equipment
- Brushes
- Wash tubs
- Buckets
- Scrapers
- Pressure sprayer
- Disposal drums (55-gallon with secure lids)
- Sponges or paper towels
- Alconox detergent (or equivalent)
- Potable tap water
- Appropriate cleaning solution
- Garden-type water sprayers
- Distilled water
- Plastic sheeting
- Large heavy duty clear garbage bags
- Solvent/water mix application bottles
- Ziploc® type bags
- Field notebook

2.2 DECONTAMINATION PROCEDURE

Decontamination procedures for field equipment are presented below:

Sampling Equipment and Hand Tools

The following steps will be used to decontaminate sampling equipment:

- Personnel will dress in suitable safety equipment to reduce personal exposure as required by the HASP.
- Equipment that will not be damaged by water will be placed in a wash tub containing Alconox, Liquinox, or low-sudsing non-phosphatic detergent along with potable water and scrubbed with a bustle brush or similar tool. Equipment will be rinsed with tap water in a second wash tub followed by a deionized water rinse.
- Equipment that may be damaged by water will be carefully wiped clean using a sponge and detergent water and rinsed with tap water. Care will be taken to prevent any equipment damage.
- Rinse and detergent water will be replaced with new solutions between sample locations.

Following decontamination, equipment will be placed in a clean area or on clean plastic sheeting to prevent contact with contaminated soil. If the equipment is not used immediately after decontamination, the equipment will be covered or wrapped in plastic sheeting or heavy-duty trash bags to minimize potential airborne contamination.

2.3 WASTES

Used wash and rinse solutions must be contained for disposal in accordance with applicable federal, state and local requirements. The wash and rinse solutions will be transferred to 55-gallon drums and, when each drum is full, will be labeled with its contents and the date, using paint or other permanent marker.

Solid wastes such as used personal protective equipment and used filters will be collected in drums. When drums are full they will be sealed. Each drum will be labeled with its contents and the date, using paint or other permanent marker. Drums will be stored on site for later handling or disposal.

2.4 DOCUMENTATION

Sampling personnel will be responsible for documenting the decontamination of sampling. The documentation will be recorded in the sampler's field notebook. The information entered in the field book should include the following:

- Decontamination personnel

- Date and start and end times
- Decontamination observations
- Weather conditions

1.0 SCOPE AND PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to describe the requirements for Investigative Derived Waste (IDW) management. IDW may include purge water from groundwater sample collection and decontamination fluids. The objective of IDW management is to minimize the amount of waste generated, ensure protection of human health and the environment and comply with regulatory requirements that are applicable or relevant and appropriate requirements (ARAR).

2.0 REQUIRED MATERIALS

- DOT-approved drums
- Drum liners
- Funnels
- 5-gallon buckets
- Labeling materials

3.0 METHODOLOGIES

Prior to commencing sampling or remediation, the Field Team Leader will select an area onsite for drum storage in consultation with the Project Manager and Site Contact. All drums used to containerize IDW will be U.S Department of Transportation (DOT)-approved, or other appropriate storage container (i.e., Baker tanks. Poly tanks, etc.). Drums will not be stacked on top of each other, nor stored in direct contact with Site soils, and will be stored in rows not greater than 2 drums wide with labels facing outward for identification. Decontamination fluids and other low-volume fluids may be temporarily stored and transported in 5-gallon buckets with lids. Different residual materials (i.e., soil, NAPL, PPE) will not be drummed together, but will be segregated and placed in separate drums.

All residual waste must be placed in DOT-approved drums or equivalent containers. IDW-filled drums will be transported to a dedicated staging area located onsite.

3.1 RESIDUAL LIQUIDS

Water from groundwater sampling will be placed in a temporary holding tank or DOT-approved 55-gallon drums as appropriate. Drums will be sealed and labeled in accordance with DOT labeling procedures. Liquids drums will contain removable bungs and should not be more than two-thirds full. Funnels will be used to prevent spillage when adding liquids to the drums. Containerized groundwater and decontamination water will be temporarily staged in the previously designated area, characterized (if necessary), and managed either on-site or off-site subject to EPA approval.

3.2 RESIDUAL DISPOSABLES

Project-specific provisions should be made prior to disposal of residuals. Do not assume bagged waste can be disposed in any dumpster. All non-contaminated disposable wastes such as bags, washed gloves and other PPE, and material scrap, will be kept separate from other wastes. This material will be bagged or otherwise contained and disposed of in a dumpster or other appropriate location. Contaminated disposable wastes may include grossly contaminated PPE and equipment. This material will be double-bagged and stored in 55-gallon drums at the dedicated staging area.

4.0 DISPOSAL

Wastes that have been drummed based on field criteria may be sampled for laboratory analysis to determine the appropriate type of disposal facility. The number of samples collected will depend on the homogeneity of the drummed material, the nature of the source areas, and the requirements of the disposal facility.

IDW-filled drums containing RCRA hazardous wastes will be shipped off-site within 90 days.

4.1 LABELING

Drums will be labeled on the side using a weather-resistant paint pen. The following information will be included:

- Sampling location identification.
- Sampling area designation.
- Point of contact with phone number.
- Type of material.
  - SC—Soil cuttings.
  - GW—Groundwater from wells.
  - DW—Decontamination water.
  - DS—Disposables.
  - DNAPL – Dense Non-Aqueous Phase Liquid
  - SO—Decontamination solvents.
- Water content.
  - SAT—Saturated.
  - UNSAT—Unsaturated.
- For drums containing liquids, indicate the approximate fill line on the outside of the drum.
- Range of field screening results and instrument type.
- Date the drum was filled and sealed.

Example label:
MW-17
SSP-UNSAT
0– 5 ppm
01/15/07

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

David T. Gockel, P.E., P.P.
George P. Kelley, P.E.
George E. Derrick, P.E.
Michael A. Semeraro, Jr., P.E.
Nicholas De Rose, P.G.
Andrew J. Ciancia, P.E.
George E. Leventis, P.E.
Rudolph P. Frizzi, P.E.
Ronald A. Fuerst, C.L.A.
Colleen Costello, P.G.
Cristina M. González, P.E.
Gerald J. Zambrella, C.E.M.

Jorge H. Berkowitz, Ph.D.
Richard Burrow, P.E.
David J. Charette, P.W.S.
Steven A. Ciambruschini, P.G.
Gerard M. Coscia, P.E.
John C. Coté, P.E.
Michael E. Cotreau, P.E.
Daniel D. Disario, P.E.
Michael M. Goldstein
Sam B. Ishak, M.C.S.E.
Robert Y. Koto, P.G.
William G. Lothian, P.E.
Michele E. O'Connor, P.E.
Joseph E. Romano, P.L.S.
Leonard D. Savino, P.E.
Richard R. Steiner, P.E.
Michael Szura, C.L.A., A.S.L.A.
Bryan Waisnor, P.E.

Omar Alsamman, Ph.D., P.E.
Ronald D. Boyer, P.E.
Michael J. Fowler, P.E.
Ryan C. Linthicum, P.E.
Vijay Patel
Mark K. Seel, P.E., P.G.
Beverly R. Williams

May 14, 2009
2634102

Ms. Lauren Mapleton
Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

Re: Groundwater Sampling and Analysis Plan Addendum
Keystone Industrial Port Complex (KIPC)
Fairless Hills, Bucks County, Pennsylvania

Dear Ms. Mapleton:

Consistent with discussions during our April 9, 2009 meeting U.S Steel Corporation (USS) plans on completing a second round of Site-wide groundwater sampling at the KIPC. The objective of the sampling activities is to confirm baseline results obtained during the October 2008 Sitewide groundwater sampling event in order to support an eventual Release of Liability from the Pennsylvania Department of Environmental Protection (PADEP) and a Final Agency Determination from the Environmental Protection Agency (EPA) under the One Cleanup Program.

Groundwater samples will be collected from 28 site monitoring wells which have been selected based on the results of the October 2008 baseline sampling event. The locations of the monitoring wells selected for groundwater sampling are provided in Table 1 and illustrated in Figure 1. The rationale for selecting each proposed monitoring well is also provided in Table 1.

All groundwater sampling and analysis will be conducted in accordance with Langan's "*Groundwater Sampling and Analysis Plan*" dated January 17, 2008. Upon completion of the sampling event, laboratory results will be compared to the appropriate Act 2 Medium Specific Concentrations and will be presented in a Remedial Investigation / Final Act 2 Report.

If you should have any questions or require additional information, please do not hesitate to contact us at your convenience.

Sincerely,

Langan Engineering and Environmental Services, Inc.

Brian J. McGuire, CHMM
Project Manager

Colleen Costello, P.G.
Principal

cc: K. Mayher, USS
L. Matyskiela, USEPA

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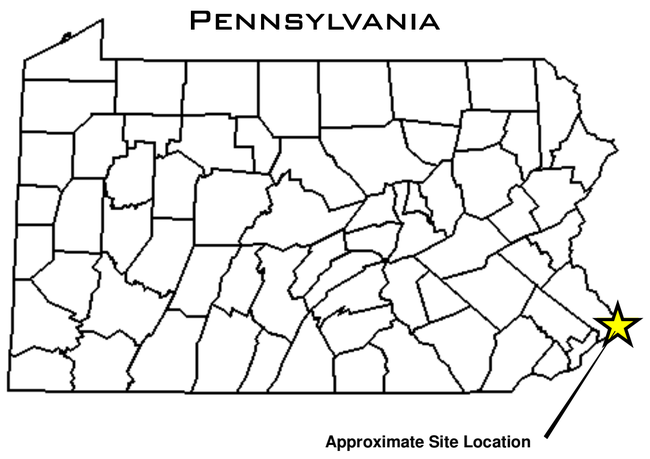
Table 1
Planned Water Table Zone Monitoring Well Locations and Sample Rationale
U.S. Steel Fairless Works
Fairless Hills, Pennsylvania

Proposed Sample Location	Screened Water Bearing Unit	Sampling Rationale
Perimeter Monitoring Wells		
MW1-12-29	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW1-15-29	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW1-23-47	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW1-26-27	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW1-28-74	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW2-01-22	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW2-03-33	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW4-02-24	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW3-02-27	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW4-10-23	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW4-11-33	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and Metals detected during the October 2008 groundwater sampling event.
MW4-14-36	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW4-30-63	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW5-18-26	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW5-41-19	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW6-02-27	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW6-05-28	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW6-06-24	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW6-12-42	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW6-20-37	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network and SVOCs detected during the October 2008 groundwater sampling event.
MW7-04-26	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
MW7-05-28	Water Table Zone Monitoring Well	Evaluate groundwater trends in the original perimeter monitoring well network.
Secondary Monitoring Network		
MW1-02-31	Water Table Zone Monitoring Well	Evaluate groundwater trends upgradient of perimeter monitoring well MW1-23-47, downgradient of BP-3, and SVOCs detected during the October 2008 groundwater sampling event.
MW3-12-31	Water Table Zone Monitoring Well	Evaluate groundwater trends upgradient of BP-2, downgradient of BP-4, and SVOCs detected during the October 2008 groundwater sampling event.
MW3-29-29	Water Table Zone Monitoring Well	Evaluate groundwater trends in the interior of the Site, downgradient of BP-8 and BP-13.
MW4-33-25	Water Table Zone Monitoring Well	Evaluate groundwater trends upgradient of perimeter monitoring well MW4-30-63 and Metals detected during the October 2008 groundwater sampling event.
MW5-07-24	Water Table Zone Monitoring Well	Evaluate groundwater trends downgradient of perimeter monitoring well MW5-18-26, BP-17, and VOCs detected during the October 2008 groundwater sampling event.
MW6-08-28	Water Table Zone Monitoring Well	Evaluate groundwater trends sidegradient of perimeter monitoring well MW6-02-27.



Legend

Consent Order Boundary

Water Table Zone Monitoring Well Location

MW2-03-33 Planned Water Table Zone Monitoring Well Sample Location

NOTES
1. Consent Order Boundary georeferenced from the U.S. Steel 1994 Current Conditions Report.
2. 2007 aerial photography provided by U.S. Steel, March 6, 2008.

Figure 1 - Planned Water Table Zone Monitoring Well Sample Location Map
U.S. Steel Fairless Works
Keystone Industrial Port Complex
Fairless Hills, Pennsylvania

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

0 700 1,400 Feet

SCALE: 1" = 700'
DATE: May 14, 2009
DRN. BY: MH
CKD. BY: JH
JOB#: 2634102

S:\Other\USSteelGIS_Database\ArcGIS\Working MXDs\2634102 - Sitewide Groundwater Strategy\MXD\October 2008 GW\Sitewide_GWContours_Oct2008_rev051409.mxd

APPENDIX C

Non-Use Aquifer Supporting Documents and Approvals

LANGAN

Pennsylvania Department of Environmental Protection

Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428
April 9, 1999

Southeast Regional Office

610-832-5949
Fax 610-832-6143

Mr. Dennis L. McCartney
USX Industrial Park
20 Street Road South
Morrisville, PA 19067-3614

Re: ECP – Special Projects
USX Corporation – Fairless Works
LRP No. 1-9-2-27618
Falls Township
Bucks County

Dear Mr. McCartney:

The Department of Environmental Protection (DEP), has reviewed your January 19, 1999 report titled "Request for Non-Use Aquifer Determination." Civil & Environmental Consultants, Inc. (CEC) prepared the report for USX Corporation. CEC has provided the appropriate documentation in accordance with Sections 250.303 and 250.309 of our regulations adopted pursuant to the Land Recycling and Environmental Remediation Standards Act (Act 2).

According to the January 19, 1999 report, the following requirements for a non-use aquifer determination have been met at the USX-Fairless Works property and 1,000 feet downgradient of the points of compliance. The point of compliance is the downgradient property boundary that borders the Delaware River.

1. No groundwater derived from wells or springs is used or currently planned to be used for drinking water or agricultural purposes.

2. All downgradient properties are connected to a community water system.

3. The area does not intersect a radius of ½ mile from a community water supply source or an area designated as a Zone 2 wellhead protection area.

USX REALTY DEV
APR 1 2 1999
RECEIVED

The downgradient property boundary of Fairless Works borders the Delaware River. Contaminants of concern in the water-table aquifer are assumed to flow into the river. CEC calculated the expected instream concentrations using a mass-balance equation for each contaminant of concern found in groundwater at Fairless Works. The calculated concentrations were compared to the instream criteria found in Chapter 16 of Title 25 Water Quality Toxics Management Strategy-Statement of Policy. The results of the comparison indicate that concentrations of the constituents of concern are below the instream standards.

Based upon the January 19 submission, the requirements of Sections 250.303 and 250.309 of the Act 2 regulations have been satisfied. Therefore, non-use aquifer standards may be applied to the subject site.

Be aware that a deed notice advising prospective buyers of the non-use aquifer status at this property is one of the conditions toward ultimately receiving the liability protection afforded by Chapter 5 of Act 2.

If you have any questions, please call Ms. Lauren Mapleton at 610-832-5922.

Sincerely,

Bruce D. Beitler

Bruce D. Beitler
Regional Manager
Environmental Cleanup

cc: Mr. Day-Lewis
Mr. Burke
Ms. Mapleton
Mr. Forte
Mr. Nairn
Bucks County Health Department
Falls Township
Re 30 (LK99)81-9
D. Momot /Courier
K. Maher /Courier
P. Adams / fax 419-888-5877

REQUEST FOR NON-USE AQUIFER DETERMINATION
USX CORPORATION FAIRLESS WORKS
FAIRLESS HILLS, PENNSYLVANIA

Prepared for

US STEEL GROUP
PITTSBURGH, PENNSYLVANIA

CEC Project 98647.0001

January 19, 1999

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
PROFESSIONAL
KAREN E. SOUZA
GEOLOGIST
2704-G

K.E. Souza
1/19/99

Civil & Environmental Consultants, Inc.

Pittsburgh 333 Baldwin Road
Pittsburgh, Pennsylvania 15205-9702
Phone 412/429-2324
Fax 412/429-2114
Toll Free 800/365-2324
E-mail cecinc@cecinc.com

Cincinnati Phone 513/985-0226 / Toll Free 800/759-5614
Columbus Phone 614/540-6633 / Toll Free 888/598-6808
Indianapolis Phone 317/484-4280 / Toll Free 877/746-0749
Nashville Phone 615/371-0055 / Toll Free 800/763-2326

Corporate Web Site http://www.cecinc.com

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REQUEST FOR NON-USE AQUIFER DETERMINATION
USX CORPORATION FAIRLESS WORKS
FAIRLESS HILLS, PENNSYLVANIA

INTRODUCTION

In late fall 1998, representatives of US Steel Group and Civil & Environmental Consultants, Inc. (CEC) met with Mr. Bob Day Lewis of the Pennsylvania Department of Environmental Protection (PADEP) to discuss USX Corporation's site in Fairless Hills, Pennsylvania. The discussions focused on the possibility of pursuing site remediation under PADEP's Land Recycling and Environmental Remediation Standards Act (Act 2) and the Department's opinion regarding a "non-use" aquifer status for the Fairless Works site. Based on the results of that discussion, CEC has collected information to address the requirements outlined in PA 25 Code §250.303, and has summarized these data in this document for the Department's review. The purpose of this report is to request that the PADEP designate the aquifer beneath the USX Corporation Fairless Works site as a "non-use" aquifer pursuant to Pennsylvania's Act 2 regulations.

BACKGROUND

USX Corporation's Fairless Works facility is a 2,500+ acre property located in Falls Township, on the Delaware River in Bucks County, Pennsylvania (see Figure 1). From 1950 to 1991, United States Steel Corporation (now USX Corporation), operated a fully integrated steelmaking facility on the site. The steel plant was operated as a complete, stand-alone production facility. In 1992, USX terminated steelmaking at Fairless Works and shut down the "hot end" facilities. USX continues to operate its Sheet and Tin Division but all other steel production activities have been terminated. USX Realty Development has been redeveloping the Fairless Works site as an industrial park that will ultimately provide for more than 100 new industrial enterprises. Redevelopment of the Fairless Works site, located in a designated enterprise zone, will also enhance the region's ability to attract new businesses and stimulate the local economy.

Previous environmental investigations conducted at the Fairless Works site have identified metals and a few volatile and semivolatile organic compounds in the groundwater (see Tables 1, 2 and 3).

Act 2 lists Medium-Specific Concentrations (MSCs) for regulated substances in groundwater to be used as statewide health standards for groundwater remediation. Applicable MSCs are based on classification of the aquifer at the site as a "Used Aquifer" or a "Non-Use Aquifer". The results of an aquifer use study conducted at the site and in the surrounding area are summarized below and indicate that groundwater beneath the area is not used or currently planned to be used for agricultural or drinking water purposes. The MSCs for a non-use aquifer would therefore apply to the site if a non-use aquifer determination is issued.

DATA SUPPORTING A NON-USE AQUIFER DETERMINATION

The Act 2 regulations specify that requirements listed in §250.303(c) must be met within the property and within a radius of 1,000 feet downgradient of "the points of compliance" plus any additional areas to which contamination has migrated or might reasonably migrate at concentrations that exceed the MSCs for groundwater used or currently planned to be used. To delineate the area where the non-use aquifer would be applied, Civil & Environmental Consultants, Inc. (CEC) designated the point of compliance at the Fairless Works site as the property boundary bordering the Delaware River. The downgradient area extending 1,000 feet from the compliance line encompasses the width of the Delaware River (see Figure 1).

To satisfy the Act 2 non-use aquifer determination requirements in §250.303(c)(1)-(3), the following information was collected for the site:

§250.303(c)(1) *No groundwater derived from wells or springs is used or currently planned to be used for drinking water or agricultural purposes.*

The Fairless Works site lies on an alluvial flood plain of the Delaware River. The geologic units that comprise the first major-water bearing unit beneath the site are the Holocene Alluvium, Trenton Gravel, Magothy Formation deposits, Upper Clay and Old Bridge Sand. Groundwater flow through these deposits exits as a water-table aquifer. The base of this water-table aquifer is defined by the presence of the Middle Clay member of the Raritan Formation. The clay is 10 to 30 feet thick and forms a confining unit or aquitard. The confined aquifer below consists of lower Cretaceous sands above bedrock. Groundwater beneath the site flows northeast, east, and southeast across the site toward the Delaware River. There are no withdrawals of groundwater for potable or non-potable purposes between the upgradient boundary of Fairless Works and the

Delaware River (BCM Engineers, 1997). Use of groundwater for drinking purposes was discontinued in the 1950s due to the naturally occurring concentrations of iron and manganese in the groundwater and the availability of surface water from the Delaware River. According to the results of an environmental investigation conducted by BCM Engineers at Fairless Works, the minimal saturated thickness of the aquifers at the site prohibits their development as a potential future source for groundwater supply.

A Pennsylvania Wellhead Use Survey was conducted by searching a computer database of the United States Geological Survey Water Well Inventory Program currently on file with the PADEP. The search radius encompassed the area within a 1-mile radius of Fairless Works. Results of the search are provided in Appendix A. Six domestic groundwater wells, located approximately one mile upgradient of the facility were identified in the database. No domestic wells were located within the downgradient boundary of Fairless Works.

BCM Engineers conducted a records search for domestic wells located across the Delaware River in New Jersey. No wells were identified within the 1,000-feet downgradient boundary of Fairless. The records search did identify two industrial wells within one mile of the site, and three domestic wells within ½-mile of the site (see Appendix A). The records indicate that one of the domestic wells is located in the water table aquifer (above the middle clay). However, the water table aquifer in New Jersey is cut off from Fairless Works by the Delaware River (BCM Engineers, 1997). The Delaware River serves as a hydraulic barrier, preventing groundwater migration from the Fairless property to the New Jersey shore area of the Delaware River.

§250.303(c)(2) *All downgradient properties are connected to a community water system.*

A municipal water supply evaluation was performed by reviewing maps obtained from the Falls Township Water Authority (see Appendix B) and by reviewing available surface water information for the area. Review of this information indicates that the Delaware River is used as a source of water supply for both potable and non-potable purposes. According to Mr. Martin Wit of the Falls Township Water Authority, the Township obtains water for commercial, industrial and residential use from the Delaware River by pumping river water from surface water intakes located downstream of Fairless and treating the water (municipal treatment system) prior to public distribution. Mr. Wit also indicated that Falls Township currently had no plans to develop groundwater in the area for future potable use.

The USX Corporation has two surface water intakes at Fairless Works, and withdraws water for potable and non-potable use to service the facility. Surface water withdrawn for potable use is chemically treated, filtered and disinfected. Surface water withdrawn for non-potable use (e.g., cooling water) is screened and stored in sedimentation basins.

§250.303(c)(3) *The area does not intersect a radius of ½ mile from a community water supply source or does not intersect an area designated by the PADEP as a zone 2 wellhead protection area under Chapter 109.*

Wellhead Protection Programs apply only to communities utilizing groundwater pumping wells or wellfields as a source of public water supply. Since Falls Township and the properties downgradient of Fairless obtain water directly from the Delaware River and do not use water supply wellfields for water distribution, the PADEP Wellhead Protection Area ordinances do not apply.

CONCLUSIONS

Based on our review of the site, the results of the aquifer use study and the criteria set forth in the Act 2 regulations, the site satisfies the requirements for classification as a non-use aquifer. Groundwater is not used or currently planned to be used for agricultural or drinking water purposes.

Should the PADEP determine that the aquifer beneath the facility is a "non-use" aquifer, CEC has included information to satisfy the requirements outlined in §250.309 (related to MSCs for surface water). This information is summarized as follows:

§250.309. MSCs for Surface Water

Section 250.309 of the Act 2 regulations provide for determining compliance with surface water quality standards from a diffuse groundwater discharge into a stream. A mathematical equation referenced in the Act 2 Technical Guidance manual (PADEP, 1997) was used to estimate the fully mixed river concentrations of constituents of concern (COC) reaching the Delaware River from the Fairless Works site. The equation assumes that the total contaminant mass load into the river is constant and the diffuse flow into the cross-sectional area of the river is uniformly mixed. Results are conservative because the equation assumes no degradation of the contaminant and concentrations reaching the river are generally overestimated.

Mixed river concentrations in the Delaware River downstream of the Site were calculated using the following assumptions:

- background concentrations of constituents of concern in the Delaware River were nondetect;

- the highest reported groundwater concentration of each constituent of concern was assumed to be representative of groundwater quality discharging to the River. The 1996 groundwater analytical data were used to select the maximum COC concentration from an individual well on the property, regardless of its location relative to the river. This concentration was then entered into the transport equation to represent groundwater quality entering the river from the property boundary (worst case scenario);

- estimated flow of groundwater from the alluvial aquifer as 3.557 cubic feet/second (cfs) determined from the equation; Q = KIA, where K = 0.0116 feet/sec, I = 0.00562 and A = 544,000 ft^2 (aquifer properties data from BCM Engineers, 1997); and

- Delaware River "low flow" velocity was assumed to be 3,000 cfs. Due to tidal influences, a Q7-10 is not calculated for the Delaware River, therefore this low flow value was obtained from the U.S. Geological Survey database of Delaware River flow information (Reed, et al., 1998, U.S.Geological Survey). The database contained information spanning the last 80+ years.

The Darcian flow equation was used to calculate the flow of groundwater into the Delaware River. The equations and assumptions used in estimating groundwater flow and calculating mixed river constituent concentrations are presented in Table 4. The results of the equation indicate that concentrations of the constituents of concern are below the PADEP's surface water quality standards from Chapter 16 of Title 25 and below the Delaware River Basin Commission (DRBC) water quality criteria.

REFERENCES

BCM Engineers, September 19, 1997. Phase I RCRA Facility Investigation Final Report (Draft), U.S. Steel Fairless Works, Fairless Hills, Pennsylvania (with April 1998 Supplement; still undergoing review by USEPA).

Commonwealth of Pennsylvania, Department of Environmental Protection, 1997. Technical Guidance Manual, Pennsylvania's Land Recycling Program. Final Draft, December 1997.

Reed, T.J., Centinaro, G.L., DeLuca, M.J., and Oden, J.H. 1998. Water Resources Data-New Jersey, Water Year 1997, Volume 1: Surface-Water Data. U.S. Geological Survey - WDR-NJ-97-1. 632 pp.

TABLE 4
MIXED RIVER TRANSPORT EQUATION RESULTS
FAIRLESS WORKS SITE
Fairless Hills, Pennsylvania

Equation:

$$C_{sw} = \frac{Q_{gw} \times C_{gw}}{Q_{sw}}$$ where,

C_{sw} = surface water concentration
C_{gw} = area weighted average concentration of contamination in plume (mg/L)
Q_{gw}= groundwater discharge from cross-sectional area of plume into stream (ft^3/sec, cfs)
Q_{sw} = surface water quantity upstream of the site at design flow conditions (cfs);
Used historic low flow (3,000 cfs)*

Darcian Flow Equation: To Calculate Groundwater Flow into the River

		Values Used
Q_{gw} = KIA	Q = flow into river (cfs)	
	K = hydraulic conductiivity (ft/s)	1.157E-2
	I = hydraulic gradient (ft/ft)	0.0005652
	A = area of groundwater seepage face (ft^2) (27,200x20)	544,000

Q_{gw} =3.557 cfs

Parameter	Maximum Groundwater Concentration (ug/L)	Calculated Mixed River Concentration (ug/L)	PADEP Chapter 16 Surface Water Quality Human Health Criteria (ug/L)	PADEP Chapter 16 Surface Water Qual. Fish & Aquatic Criteria Con (ug/L)	Max (ug/L)	DRBC Surface Water Quality Standards (ug/L)
Arsenic	46.9	0.0556	50	NC	NC	190
Barium	565	0.6700	1000	4100	20500	---
Beryllium	12.6	0.0149	---	NC	NC	---
Cadmium	7	0.0083	10	1.43	8.40	1.61
Chromium (III)	323	0.3830	---	---	---	130
Cobalt	160	0.1897	---	19	95	---
Copper	9.9	0.0117	1000	16.60	25.87	17.29
Lead	2.1	0.0025	50	4.07	104.43	16
Mercury	0.23	0.0003	0.144	0.012	2.1	0.012
Nickel	344	0.4079	600	228.99	2061.88	230
Selenium	5.3	0.0063	---	4.6	18	5
Silver	4.1	0.0049	200	---	7.41	8.72
Vanadium	5.2	0.0062	---	---	---	---
Zinc	1210	1.435	5000	152.33	166.82	154
Iron	28000	33.20	---	---	---	---
Manganese	20300	24.07	---	---	---	---
Phenol	8	0.0095	300	20	100	20900
o-Toluidine	25	0.0296	---	---	---	---
Methylene Chloride	5	0.0059	---	2368	11840	2090
Trichloroethylene	33	0.0391	3	450	2250	2.7

* = No Q7-10 value available for Delaware River due to tidal influence; used historic low flow information from Reed, et al., 1998 (USGS); flow information data spanning 80+ years

NC = Specific data (speciation, LC50) not available to calculate value

APPENDIX A

WELLHEAD USE SURVEY

FAIRLESS WORKS AREA

03-Dec-98

COUNTY	WELL NUMBER	LATITUDE	LONGITUDE	MUNICIPALITY	QUADRANGLE	OWNER	WATER USE	USE OF SITE	WELL DEPTH (feet)	YIELD (gpm)	DRILLER	DATE DRILLED	TOPOGRAPHY	LITHOLOGY	WELL NUMBER	FORMATION
BUCKS	5824N	400738	745006	BRISTOL	TRENTON EAST	DIEGIDIO J	INDUSTRIAL	WITHDRAWAL	32	10	111	5-81	VALLEY FLAT	SAND	5824N	TRENTON GRAVEL
BUCKS	X 0154	400734	745104	BRISTOL	TRENTON WEST	SIMONS D BLDR		WITHDRAWAL	103	10	0111	00-00-68	STREAM CHANNEL		X 0154	TRENTON GRAVEL
BUCKS	X 0177	400821	744851	BRISTOL	TRENTON WEST	LASKOWSKI T		WITHDRAWAL	34		0729	00-00-67	HILLSIDE		X 0177	TRENTON GRAVEL
BUCKS	X 0180	400755	745007	BRISTOL	TRENTON WEST	MAGILO MRS C		WITHDRAWAL	27	20	0111	00-00-69	HILLSIDE		X 0180	TRENTON GRAVEL
BUCKS	X 0186	400731	745032	BRISTOL	TRENTON WEST	CRAIG H D		WITHDRAWAL	27	30	0111	00-00-67	HILLSIDE		X 0186	TRENTON GRAVEL
BUCKS	X 1683	400732	745015	BRISTOL	TRENTON WEST	INC POOLS PAULS		WITHDRAWAL	33	20	0111	00-00-71	HILLSIDE		X 1683	UNKNOWN
BUCKS	X 3940	400804	745016	BRISTOL	TRENTON WEST	LEVITTOWN HDWR		WITHDRAWAL	40	20	0416	00-00-00			X 3940	ALLUVIUM
BUCKS	4739N	401049	745212	FALLS	TRENTON WEST	ARBY'S RESTAURANT	PUBLIC SUPPLY	WITHDRAWAL	150	12	330	10-9-80	HILLSIDE		4739N	PENSAUKEN FORMATION
BUCKS	5466N	401148	744823	FALLS	TRENTON WEST	COMMONWEALTH		WITHDRAWAL	450	7	330	4-4-84	HILLSIDE		5466N	PENSAUKEN FORMATION
BUCKS	5816N	401051	744721	FALLS	TRENTON WEST	PIZZI F	INDUSTRIAL	WITHDRAWAL	40	25	413	7-25-79	VALLEY FLAT	SAND	5816N	TRENTON GRAVEL
BUCKS	5817N	401051	744722	FALLS	TRENTON WEST	MAHAN		WITHDRAWAL	37	25	416	4-79	VALLEY FLAT	SAND	5817N	TRENTON GRAVEL
BUCKS	6559N	401025	744731	FALLS	TRENTON WEST	ATLANTIC CONCRETE	INDUSTRIAL	WITHDRAWAL	35	25	416	6-86	FLAT SURFACE	SAND	6559N	FLUVIAL DEPOSITS
BUCKS	6560N	401021	744732	FALLS	TRENTON WEST	ATLANTIC CONCRETE	INDUSTRIAL	WITHDRAWAL	392	27	416	1-86	FLAT SURFACE	SAND	6560N	FLUVIAL DEPOSITS
BUCKS	6561N	400927	744826	FALLS	TRENTON WEST	BEGLEY E		WITHDRAWAL	34	25	416	12-85	FLAT SURFACE	SAND	6561N	FLUVIAL DEPOSITS
BUCKS	6562N	401015	744740	FALLS	TRENTON WEST	SIEGMANN R		WITHDRAWAL	40	30	416	10-85	FLAT SURFACE	SAND	6562N	FLUVIAL DEPOSITS
BUCKS	6563N	401100	744848	FALLS	TRENTON WEST	ESTEE R		WITHDRAWAL	35	15	416	9-85	FLAT SURFACE	SAND	6563N	FLUVIAL DEPOSITS
BUCKS	X 0410	401014	754840	FALLS	TRENTON WEST	WARNER COMPANY		WITHDRAWAL	27	42	0111	00-00-68	TERRACE		X 0410	TERRACE DEPOSITS
BUCKS	X 0414	401128	755212	FALLS	TRENTON WEST	ANDRES JOHN		WITHDRAWAL	54	80	0111	00-00-69	HILLSIDE		X 0414	BALTIMORE GNEISS
BUCKS	X 0415	401150	754826	FALLS	TRENTON WEST	ARBERTER		WITHDRAWAL	55	10	0111	00-00-69	TERRACE		X 0415	TERRACE DEPOSITS
BUCKS	X 0417	401027	754731	FALLS	TRENTON WEST	WARNER CO RENT		WITHDRAWAL	40	20	0111	00-00-69	TERRACE		X 0417	TERRACE DEPOSITS
BUCKS	X 0419	401051	755212	FALLS	TRENTON WEST	SEITZ CROMPTONY		WITHDRAWAL	330	3	0228	00-00-66	HILLSIDE		X 0419	OLIGOCLASE MICA SCHIST-WISSAHICKON FORMATION
BUCKS	X 0420	401229	754811	FALLS	TRENTON WEST	EDWARDS		WITHDRAWAL	34	15	0111	00-00-68	TERRACE		X 0420	TERRACE DEPOSITS
BUCKS	X 0422	401215	754615	FALLS	TRENTON WEST	RUSTAY ARTHUR		WITHDRAWAL	34	10	0111	00-00-66	TERRACE		X 0422	TERRACE DEPOSITS
BUCKS	X 0423	401048	754746	FALLS	TRENTON WEST	CREGAR		WITHDRAWAL	35	15	0111	00-00-67	TERRACE		X 0423	TERRACE DEPOSITS
BUCKS	X 0424	400925	754843	FALLS	TRENTON WEST	WINSLOW JOHN		WITHDRAWAL	32	25	0111	00-00-68	TERRACE		X 0424	TERRACE DEPOSITS
BUCKS	X 0425	400953	754810	FALLS	TRENTON WEST	WARNER CO		WITHDRAWAL	28	10	0111	00-00-68	TERRACE		X 0425	TERRACE DEPOSITS
BUCKS	X 0426	400944	754803	FALLS	TRENTON WEST	LUSEISANO BROS		WITHDRAWAL	30	20	0111	00-00-86	TERRACE		X 0426	TERRACE DEPOSITS
BUCKS	X 0427	400928	754843	FALLS	TRENTON WEST	DIMARCO		WITHDRAWAL	42	15	0111	00-00-86	TERRACE		X 0427	TERRACE DEPOSITS
BUCKS	X 1292	400923	754840	FALLS	TRENTON WEST	WARNER C		WITHDRAWAL	27	40	0111	00-00-69	TERRACE		X 1292	TERRACE DEPOSITS
BUCKS	X 3880	401046	744822	FALLS	TRENTON WEST	PENN VALLEY CON	INDUSTRIAL	WITHDRAWAL	405	13	0111	00-00-00			X 3880	OLIGOCLASE MICA SCHIST-WISSAHICKON FORMATION
BUCKS	X 3881	400822	744847	FALLS	TRENTON WEST	PIROTTI BEN		WITHDRAWAL	52		0111	00-00-00			X 3881	OLIGOCLASE MICA SCHIST-WISSAHICKON FORMATION
BUCKS	X 3882	400832	744852	FALLS	TRENTON WEST	PRACH FRANK		WITHDRAWAL	32	25	0111	00-00-00			X 3882	OLIGOCLASE MICA SCHIST-WISSAHICKON FORMATION
BUCKS	X 3883	401152	744639	FALLS	TRENTON WEST	KOHLER AIR PROD	INDUSTRIAL	WITHDRAWAL	47	170	0348	00-00-00			X 3883	ALLUVIUM
BUCKS	X 3884	401054	745143	FALLS	TRENTON WEST	SWENSON AL		WITHDRAWAL	45	50	0111	00-00-00			X 3884	OLIGOCLASE MICA SCHIST-WISSAHICKON FORMATION
BUCKS	X 3885	401051	744722	FALLS	TRENTON WEST	SCHERMERHORN L		WITHDRAWAL	100	5	0348	00-00-00			X 3885	OLIGOCLASE MICA SCHIST-WISSAHICKON FORMATION
BUCKS	4731N	401148	744817	LOWER MAKEFIELD	TRENTON EAST	HARBISON FORD	INDUSTRIAL	WITHDRAWAL	170	20	330	1-80	HILLSIDE		4731N	OLIGOCLASE MICA SCHIST-WISSAHICKON FORMATION
BUCKS	X 0524	401310	745209	LOWER MAKEFIELD	TRENTON WEST	VALIGA MARGARET		WITHDRAWAL	96	15	0111	00-00-66	HILLSIDE		X 0524	STOCKTON FORMATION
BUCKS	X 0525	401250	745122	LOWER MAKEFIELD	TRENTON WEST	DULIBO MICHAEL		WITHDRAWAL	111	30	0111	00-00-67	HILLSIDE		X 0525	STOCKTON FORMATION
BUCKS	X 1351	401409	745209	LOWER MAKEFIELD	TRENTON WEST	CORUS ANDREW		WITHDRAWAL	120	10	0111	00-00-70	HILLSIDE		X 1351	STOCKTON FORMATION
BUCKS	X 1352	401435	755340	LOWER MAKEFIELD	TRENTON WEST	WATSON ANDREW		WITHDRAWAL	85	75	0111	00-00-70	HILLSIDE		X 1352	STOCKTON FORMATION

CASING (feet)	DIAMETER (inches)	CASING (feet)	DIAMETER (inches)	SWL (feet)	PRODUCTION WL (feet)	DRAWDOWN (feet)	TEST LENGTH (hours)	BEDROCK (feet)	WBZ1 (feet)	WBZ2 (feet)	WBZ3 (feet)
32	6			15	17	2	2		33		
80	6			20		55	2	78	16	85	102
34	6					3	2		18	24	34
27	6			19		3	2	27	8	27	
27	6			10		4	2	27	10	27	
33	6			18		5	2	32	12	33	
40	6			12			1		30		
32	6						4				
60	6			62	82	20	4	42			
34	6			5	10	10	4		39		
37	6			13	13		2		15	30	
35	6			20	20		1		25	33	
98	6			30	360	330	1.5	18	35	175	342
34	6			10	10		1		26		
41	6			21	21		1.5		30		
35	6			18	25	7	1.5		25	33	
27	6			15		7	4	27	27		
30	6			8		30	2	26	15	24	50
55	6			29		21	2	54	54		
40	6			28		7	2	40	36	40	
31	6			14			8	25	40	280	
34	6			17		9	2	30	22	28	34
34	6			29		1	2	33	19	34	
35	6			18		9	2	35	18	30	35
32	6			12		9	2	20	20	28	32
28	6			15		10	2	28	10	28	
30	6			19		6	2	29	22	30	
42	6			12		16	4	41	25	32	
27	6			12		8	2	26	8	27	
47	6			10			2	47	32	125	295
48	6			14			2		14	32	42
32	6			13			2	14	24	32	
37	8			24			4		32	35	40
32				17			2	10	15	38	44
67	6			24			2	67			
70	6										
47	6			16		39	2	40	20	45	95
								20	55	80	109
60	6			30		70	2	11	39	97	115
30	6			32		23	2	10	47	67	82

COUNTY	WELL NUMBER	LATITUDE	LONGITUDE	MUNICIPALITY	QUADRANGLE	OWNER	WATER USE	USE OF SITE	WELL DEPTH (feet)	YIELD (gpm)	DRILLER	DATE DRILLED	TOPOGRAPHY	LITHOLOGY	WELL NUMBER	FORMATION
BUCKS	X 3867	401317	744834	LOWER MAKEFIELD	TRENTON WEST	SANFORD ROBERT		WITHDRAWAL	185	20	0331	00-00-00			X 3867	STOCKTON FORMATION
BUCKS	X 3868	401327	745047	LOWER MAKEFIELD	TRENTON WEST	YARDLEY WATER C	INDUSTRIAL	WITHDRAWAL	90	20	0348	00-00-00			X 3868	STOCKTON FORMATION
BUCKS	X 3870	401443	745024	LOWER MAKEFIELD	TRENTON WEST	GARLITS E E		WITHDRAWAL	80	15	0348	00-00-00			X 3870	STOCKTON FORMATION
BUCKS	X 3871	401210	745011	LOWER MAKEFIELD	TRENTON WEST	BROADWAY DAVID		WITHDRAWAL	155	20	0331	00-00-00			X 3871	OLIGOCLASE MICA SCHIST-WISSAHICKON FORM ATION
BUCKS	X 3872	401427	745012	LOWER MAKEFIELD	TRENTON WEST	FISH T J		WITHDRAWAL	100	25	0111	00-00-00			X 3872	STOCKTON FORMATION
BUCKS	X 3498	401116	745002	MIDDLETOWN	TRENTON WEST	ROBERT-AMER CRP	INDUSTRIAL	TEST	42	5	0348	00-00-00			X 3498	ALLUVIUM
BUCKS	X 3499	401121	745002	MIDDLETOWN	TRENTON WEST	ROBERT-AMER CRP	INDUSTRIAL	TEST	41	5	0348	00-00-00			X 3499	ALLUVIUM
BUCKS	X 1056	400848	754843	TULLYTOWN	TRENTON WEST	BLOSTES DEL VA		WITHDRAWAL	30	70	0111	00-00-68	TERRACE		X 1056	UNKNOWN
BUCKS	X 1609	400945	754848	TULLYTOWN	TRENTON WEST	MITCHELL TED		WITHDRAWAL	31	12	0111	00-00-70	TERRACE		X 1609	UNKNOWN
BUCKS	X 1610	400903	754833	TULLYTOWN	TRENTON WEST	KUNIS RALPH		WITHDRAWAL	31	50	0111	00-00-70	TERRACE		X 1610	UNKNOWN

CASING (feet)	DIAMETER (inches)	CASING (feet)	DIAMETER (inches)	SWL (feet)	PRODUCTION WL (feet)	DRAWDOWN (feet)	TEST LENGTH (hours)	BEDROCK (feet)	WBZ1 (feet)	WBZ2 (feet)	WBZ3 (feet)
43	6			75			2	40	90	120	135
34	6			30			1	19	36	70	
38	6			12				34	65	80	
37	6			20			2	32	10	70	90
31	6			7			2		61	85	
32	4			19		8	2		38		
31	4			16		8	2		36		
	6			13		9	4	30	18	30	
30	6			10		15	2	30	8	31	
31	6			8		12	2	31	8	27	31

TABLE 6-1

PENNSYLVANIA AND NEW JERSEY WATER SUPPLY WELLS PROXIMATE[1] TO FAIRLESS WORKS

Well Owner	Address	Use	Depth (ft)	Aquifer[2]	Yield or Capacity (GPM)
Pennsylvania					
Kohler Air Products	Falls Township	I	47	W	170
Fairless Credit Union	Falls Township	D	---	---	---
New Jersey					
North American Marine Salvage	Bordentown	D	120	C	35
Peter Sukola	68 Delaware Ave. Bordentown	D	117	C	65
Matthew Rue	Main Street Fieldsboro	D	65	W	35
Ocean Spray Cranberries, Inc.	Park Street Bordentown, PA	I	267	C	300
Stepan Chemical Co.	Clark St. & Broadway Fieldsboro	I	185	C	100

(1) Domestic (D) wells within one-half mile and larger capacity Municipal (M) or Industrial (I) wells within one mile
(2) Aquifer: W = Water Table, C = Confined Aquifer

Source: BCM Engineers Inc., Project No. 00-5039-7023

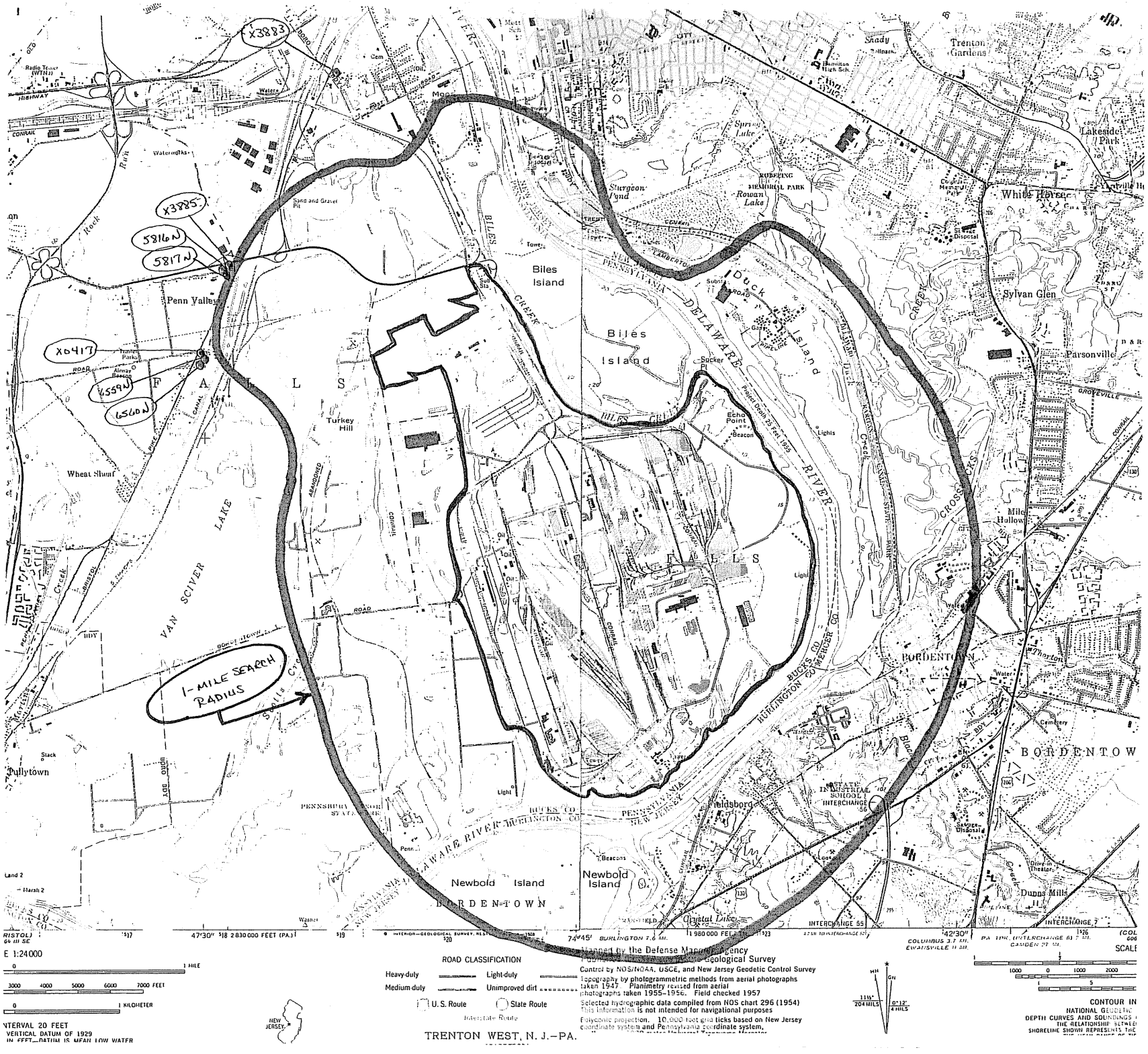
X3883
X3885
5816N
5817N
X0417
6559N
6560N
1-MILE SEARCH RADIUS
Penn Valley
Wheat Sheaf
Turkey Hill
Biles Island
Duck Island
Newbold Island
Sturgeon Pond
Rowan Lake
Spring Lake
Trenton Gardens
Lakeside Park
White Horse
Sylvan Glen
Parsonville
Mile Hollow
BORDENTOWN
Fieldsboro
Dunns Mills
Crystal Lake
Pullytown
VAN SCIVER LAKE
DELAWARE RIVER
BILES CREEK
CROSSWICKS CREEK
BURLINGTON CO
BUCKS CO
MERCER CO
PENNSYLVANIA
NEW JERSEY
Mapped by the Defense Mapping Agency
Geological Survey
Control by NOS/NOAA, USCE, and New Jersey Geodetic Control Survey
Topography by photogrammetric methods from aerial photographs taken 1947. Planimetry revised from aerial photographs taken 1955–1956. Field checked 1957
Selected hydrographic data compiled from NOS chart 296 (1954)
This information is not intended for navigational purposes
Polyconic projection. 10,000-foot grid ticks based on New Jersey coordinate system and Pennsylvania coordinate system.
ROAD CLASSIFICATION
Heavy-duty
Light-duty
Medium-duty
Unimproved dirt
U.S. Route
State Route
Interstate Route
TRENTON WEST, N. J.–PA.
E 1:24000
NTERVAL 20 FEET
VERTICAL DATUM OF 1929
IN FEET—DATUM IS MEAN LOW WATER
CONTOUR IN
NATIONAL GEODETIC
DEPTH CURVES AND SOUNDINGS
THE RELATIONSHIP BETWEEN
SHORELINE SHOWN REPRESENTS THE

TABLE 1
SUMMARY OF GROUNDWATER QUALITY RESULTS
VOLATILE ORGANIC COMPOUNDS
USX FAIRLESS WORKS

FAIRLESS HILLS, PA

Well ID	Date Sampled	ACT 2 MSC	Methylene Chloride	Carbon Disulfide	1,1-Dichloro-ethylene	1,1-Dichloro-ethane	trans, 1-2 Dichloroethylene	Chloro-form	1,1,1-Trichloroethane	Trichloro-ethylene	Benzene	Tetrachloro-ethylene	Toluene	Xylenes (total)
		Used NR (µg/L)	5	4100	7	110	70	100	200	5	5	5	1000	10000
		Non-use, NR (µg/L)	500	4100	70	1100	700	1000	2000	50	500	50	100000	180000
		Units												
MW1-25-22	12/19/96	µg/L	3											
MW1-26-27	12/19/96	µg/L	3											
MW1-28-74	12/19/96	µg/L	2											
MW1-28-74D	12/19/96	µg/L	3					2						
MW2-1-22	12/11/96	µg/L	3											
MW2-3-33	12/11/96	µg/L	2											
MW4-10-23	12/10/96	µg/L	4											
MW4-11-33	12/11/96	µg/L	2			3	2		1	11		2		
MW4-14-36	12/11/96	µg/L	5											
MW4-15-119	12/11/96	µg/L	4										1	
MW4-2-24	12/11/96	µg/L	2											
MW4-30-63	12/10/96	µg/L	4											
MW6-2-27	12/10/96	µg/L	3	6		1	3			3				
MW6-5-28	12/09/96	µg/L	4	4			1			6				
MW6-6-24	12/10/96	µg/L	4			2	4			13		2		
MW6-12-42	12/11/96	µg/L	5											
MW6-20-37	12/11/96	µg/L	4											
MW6-29-73	12/10/96	µg/L	3		3	4	12	4	2	33				
MW7-4-26	12/09/96	µg/L	4											
MW7-4-26D	12/09/96	µg/L	4											
MW7-5-28	12/09/96	µg/L	5											
MW1-12-29	12/12/96	µg/L	2											
MW1-15-29	12/12/96	µg/L	2											
MW1-22-173	12/12/96	µg/L	2											
MW1-23-47	12/18/96	µg/L	2											
MW5-18-26	12/18/96	µg/L	3			25					3			
MW5-41-19	12/19/96	µg/L	2											
MW1-24-23	12/12/96	µg/L	3						9					
MW1-27-19	12/18/96	µg/L	3											
MW2-4-77	12/18/96	µg/L	2											
MW3-2-27	12/18/96	µg/L	2											
MW4-37-29	12/18/96	µg/L	2											1

usx-tab1.wk4

MSC = Medium-Specific Concentrations for Regulated Substances in Groundwater

Exceeds Act 2 MSC for Non-residential Used Aquifer

Exceeds Act 2 MSC for Non-residential Non-Use Aquifer

TABLE 1
SUMMARY OF GROUNDWATER QUALITY RESULTS
VOLATILE ORGANIC COMPOUNDS
USX FAIRLESS WORKS

FAIRLESS HILLS, PA

TABLE 2
SUMMARY OF GROUNDWATER QUALITY RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS
USX FAIRLESS WORKS

FAIRLESS HILLS, PA

Well ID	Date Sampled	ACT 2 MSC Used NR (µg/L)	Bis(2-ethyl, hexyl) phthalate	Acenaph-thene	o-Toluidine	Diethyl-phthalate	Di-n-butyl-phthalate	Phenol	3&4 methyl phenol	Naphth-alene	1,4-Naph-thoquinone
			6	3500	14	5000	10000	4000	No	20	No
		Non-use, NR (µg/L)	340	3500	14000	900000	13000	400000	Standard	20000	Standard
		Units									
MW1-25-22	12/19/96	µg/L	4								
MW1-26-27	12/19/96	µg/L									
MW1-28-74	12/19/96	µg/L									
MW1-28-74D	12/19/96	µg/L									
MW2-1-22	12/11/96	µg/L									
MW2-3-33	12/11/96	µg/L				2					
MW4-10-23	12/10/96	µg/L	2								
MW4-11-33	12/11/96	µg/L									
MW4-14-36	12/11/96	µg/L	1								
MW4-15-119	12/11/96	µg/L	1								
MW4-2-24	12/11/96	µg/L									
MW4-30-63	12/10/96	µg/L	2								
MW6-2-27	12/10/96	µg/L									
MW6-5-28	12/09/96	µg/L									
MW6-6-24	12/10/96	µg/L									
MW6-12-42	12/11/96	µg/L									
MW6-20-37	12/11/96	µg/L	2							1	19
MW6-29-73	12/10/96	µg/L									
MW7-4-26	12/09/96	µg/L									
MW7-4-26D	12/09/96	µg/L									
MW7-5-28	12/09/96	µg/L									
MW1-12-29	12/12/96	µg/L									
MW1-15-29	12/12/96	µg/L									
MW1-22-173	12/12/96	µg/L									
MW1-23-47	12/18/96	µg/L									
MW5-18-26	12/18/96	µg/L						8	1	1	
MW5-41-19	12/19/96	µg/L									
MW1-24-23	12/12/96	µg/L	1								
MW1-27-19	12/18/96	µg/L									
MW2-4-77	12/18/96	µg/L	3								
MW3-2-27	12/18/96	µg/L		1	25		1				
MW4-37-29	12/18/96	µg/L									

usx-tab2.wk4

MSC = Medium-Specific Concentrations for Regulated Substances in Groundwater

Exceeds Act 2 MSC for Non-residential Used Aquifer

Exceeds Act 2 MSC for Non-residential Non-Use Aquifer

TABLE 2
SUMMARY OF GROUNDWATER QUALITY RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS
USX FAIRLESS WORKS

FAIRLESS HILLS, PA

TABLE 3
SUMMARY OF GROUNDWATER QUALITY RESULTS
METALS
USX FAIRLESS WORKS

FAIRLESS HILLS, PA

Well ID	Date Sampled	ACT 2 MSC Used NR (ug/L) Non-use, NR (ug/L)	Antimony 6 6000	Arsenic 50 50000	Barium 2000 2000000	Beryllium 4 4000	Cadmium 5 5000	Chromium 100 100000	Cobalt 6100 6100000	Copper 1000 1000000	Lead 5 5000	Mercury 2 2000	Nickel 100 100000	Selenium 50 50000	Silver 100 100000	Thallium 2 2000	Vanadium 5.8 5800	Zinc 2000 2000000	Tin 61000 61000000
		Unit																	
MW1-25-22	12/19/96	µg/L			109		1.1		1.9	5.8	0.8			2.3				120	
MW1-26-27	12/19/96	µg/L			58.6		0.54				1	0.22							
MW1-28-74	12/19/96	µg/L			21.2		0.59		2.7	4			7.4				2.2		
MW1-28-74D	12/19/96	µg/L			21.3		0.8		3.3	5.9		0.21	4				2.6		
MW2-1-22	12/11/96	µg/L		9.8	56.4		0.37		2.7	6.4			6.9		2		4.4	10.4	
MW2-3-33	12/11/96	µg/L		1.3	128		0.75		3	5.2			16.6					131	
MW4-10-23	12/10/96	µg/L		9	146				2.6	4.1			2.4				5.2	63.6	
MW4-11-33	12/11/96	µg/L		3.3	203	12.6	7		515	6.7			344				3.3	1210	
MW4-14-36	12/11/96	µg/L		7.4	118		0.32		7	6.6			2.6				2.3	91.9	
MW4-15-119	12/11/96	µg/L			226		0.59	1.6	4.3	6.7			5.9		2.8		2.7	101	
MW4-2-24	12/11/96	µg/L		46.9	565				3.4	5			8.3				3.7	133	
MW4-30-63	12/10/96	µg/L		2.2	134				7.1	2.6			5.9					223	
MW6-2-27	12/10/96	µg/L			199		0.6		2.8	7			6.2					215	
MW6-5-28	12/09/96	µg/L			83.1			3.5	5.8	5.9			3.3				1.4	17.2	
MW6-6-24	12/10/96	µg/L			204		0.46	5.9	1.9	3			7					677	
MW6-12-42	12/11/96	µg/L			96.3		0.63		5.6	4.6			6.6					128	
MW6-20-37	12/11/96	µg/L		3.4	114				74.1	6			38.4				2.2	122	
MW6-29-73	12/10/96	µg/L			192		0.57		3.5	6.8			3.3				2.7	101	
MW7-4-26	12/09/96	µg/L			94.6	0.21	0.85	1.6	2.3	7.5			2.9		2.8		2.3	16.7	
MW7-4-26D	12/09/96	µg/L			182				1.7	4.9			2.9					70.1	
MW7-5-28	12/09/96	µg/L		1.5	238	2.6	3	5	4	9.9			4.5		2.4		4.1	120	
MW7-12-25	4/13/95	µg/L						323											
MW1-12-29	12/12/96	µg/L			48.2		0.82	2.8			1			2.8				21.5	
MW1-15-29	12/12/96	µg/L			129		1.1	4	3.2	5.3					2.2		2	39.7	
MW1-22-173	12/12/96	µg/L			94		1	2.1	3.7	5.5			7.2				2.4	25.7	
MW1-23-47	12/18/96	µg/L			29.3		0.42	4.3		2.8			3.2		4.1				
MW5-18-26	12/18/96	µg/L		19.4	166		0.99			2.7			6.5		3.3		2		
MW5-41-19	12/19/96	µg/L			16.1		1.2	4.8	3.7	6.9	1	0.23	4.2		3.3		1.7		
MW1-24-23	12/12/96	µg/L			145		0.92	6.8	2	4	0.8			5.2	2.9		2.7	50	
MW1-27-19	12/18/96	µg/L			152		0.68	2.5	2.8	5.1	1.2		3.8	5.3			4.4		
MW2-4-77	12/18/96	µg/L			54.3	0.63	1.7		160		1.2		130		2.2			200	
MW3-2-27	12/18/96	µg/L		20.2	214			4	1.8		2.1				4				
MW4-37-29	12/18/96	µg/L			28.4		0.45	4.2											

Well ID	Date Sampled	ACT 2 SMCL (µg/L)	Iron 300	Manganese 50
		Units		
MW6-2-27	4/12/95	µg/L		4620
MW6-4-29	4/12/95	µg/L	28000	3200
MW6-8-28	4/12/95	µg/L		64
MW6	4/13/95	µg/L	2490	632
MW5-1-26	4/13/95	µg/L		951
MW5-1-26D	4/13/95	µg/L		930
MW5-2-24	4/13/95	µg/L	21000	20300
MW7-12-25	4/13/95	µg/L		87
MW9-1-20	4/13/95	µg/L	1760	3300

usx-tab3.wk4

MSC = Medium-Specific Concentrations for Regulated Substances in Groundwater

Exceeds Act 2 MSC for Non-residential Used Aquifer

Exceeds Act 2 MSC for Non-residential Non-Use Aquifer

SCML = Secondary Maximum Contaminant Level in Groundwater

Exceeds Act 2 Secondary Maximum Contaminant Level (non-enforceable)

TABLE 3
SUMMARY OF GROUNDWATER QUALITY RESULTS
METALS
USX FAIRLESS WORKS

FAIRLESS HILLS, PA

APPENDIX D

October 2008 and June 2009 Site-Wide Groundwater Sampling Results Summaries

LANGAN

1.0 October 2008 Site-Wide Groundwater Sampling Results

1.1 BP-20 Wells

Between October 14 and October 20, 2008, 11 Site-Wide Groundwater samples were collected from the BP-20 area (MW5-21-20, MW5-22-32, MW5-23-42, MW5-25-27, MW5-26-52, MW5-27-17, MW5-28-31, MW5-29-49, MW5-31-21, MW5-32-31, and MW5-33-41). The following summarizes the Site-Wide Groundwater results for the BP-20 Area:

- Benzo (g,h,i) perylene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.26 μg/l in monitoring wells MW5-25-27 (0.9 μg/l), MW5-26-52 (0.87 μg/l), MW5-29-49 (0.64 μg/l), and MW5-31-41 (1.1μg/l);
- Benzo (k) fluoranthene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.55 μg/l in monitoring wells MW5-25-27 (0.7 μg/l), MW5-26-52 (0.64 μg/l), MW5-29-49 (0.77 μg/l), and MW5-31-41 (0.99 μg/l);
- Dibenzo (a,h) anthracene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.6 μg/l in monitoring wells MW5-26-52 (1.2 μg/l), MW5-29-49 (0.95 μg/l), and MW5-31-41 (1.4 μg/l); and,
- No other VOCs, SVOC, and Metals under the RCRA Appendix IX analytes were detected at concentrations exceeding their respective PADEP non-residential Non-Use Aquifer Groundwater MSCs in any other wells sampled at the BP-20 Area.

1.1.2 Perimeter Monitoring Wells

Between October 14 and October 20, 2008, 24 Site-Wide Groundwater samples were collected from the Site's perimeter wells (MW5-41-19, MW7-04-26, MW7-05-28, MW6-05-28, MW6-02-27, MW6-06-24, MW6-12-42, MW6-20-37, MW4-14-36, MW4-10-23, MW4-30-63, MW4-02-24, MW2-03-33, MW2-01-22, MW1-15-29, MW1-27-19, MW1-28-74, MW1-26-27, MW1-12-29, MW1-24-23, MW1-23-47, MW4-11-33, MW3-02-27, and MW5-18-26). The following summarizes the Site-Wide Groundwater results for the perimeter monitoring well network:

- Benzo (g,h,i) perylene was detected at concentrations

exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.26 μg/l in monitoring wells MW6-05-28 (0.95 μg/l), MW6-02-27 (0.77 μg/l), MW6-20-37 (0.63 μg/l), MW4-30-63 (0.8 μg/l), MW2-03-33 (0.64 μg/l), MW1-15-29 (0.61 μg/l), and MW1-23-47 (3.8 μg/l);

- Benzo (k) fluoranthene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.55 μg/l in monitoring wells MW6-05-28 (0.72 μg/l), MW2-03-33 (0.76 μg/l), MW1-15-29 (0.74 μg/l), and MW1-23-47 (3.5 μg/l);
- Dibenzo (a,h) anthracene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.6 μg/l in monitoring wells MW6-05-28 (1.0 μg/l), MW6-02-27 (0.9 μg/l), MW6-20-37 (0.97 μg/l), MW2-03-33 (0.95 μg/l), MW1-15-29 (0.98 μg/l), and MW1-23-47 (3.7 μg/l);
- Benzo (b) fluoranthene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 1.2 μg/l at monitoring well MW1-23-47 (2.9 μg/l);
- Chrysene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 1.9 μg/l at monitoring well MW1-23-47 (3.8 μg/l); and,
- No other VOCs, SVOC, and Metals under the RCRA Appendix IX analytes were detected at concentrations exceeding their respective PADEP non-residential Non-Use Aquifer Groundwater MSCs in any other wells sampled within the perimeter monitoring well network at the site.

1.1.3 Secondary Monitoring Network

Between October 14 and October 20, 2008, 14 Site-Wide Groundwater samples were collected from the site's secondary monitoring well network (MW1-02-31, MW1-10-32, MW3-12-31, MW3-29-29, MW3-34-28, MW3-41-29, 'MW4-33-25, MW5-07-24, MW5-11-27, MW5-12-27, MW6-04-29, MW6-08-28, MW6-26-20, and MW7-09-17). The following summarizes the Site-Wide Groundwater sampling results for the

secondary monitoring well network:

- Benzo (g,h,i) perylene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.26 μg/l at monitoring well MW6-04-29 (1.2 μg/l);
- Benzo (k) fluoranthene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.55 μg/l in monitoring wells MW6-04-29 (1.3 μg/l) and MW1-02-31(0.76 μg/l);
- Dibenzo (a,h) anthracene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.6 μg/l at monitoring well MW6-04-29 (1.3 μg/l); and,
- No other VOCs, SVOC, and Metals under the RCRA Appendix IX analytes were detected at concentrations exceeding their respective PADEP non-residential Non-Use Aquifer Groundwater MSCs in any other wells sampled within the secondary monitoring well network at the site.

1.1.4 Trip and Field Blanks

The following summarizes the results from the trip and field blanks collected during the October 2008 Site-Wide Groundwater sampling event:

- No VOCs were detected in the Trip blank; and,
- No VOCs, SVOCs, or Metals were detected above residential and non-residential groundwater MSC's in the field blanks.

A complete summary of the October 2008 Site-Wide Groundwater analytical results is presented on Table 5. The Site-Wide Groundwater exceedances are presented on Figure 5. The complete laboratory data package for the October 2008 Site-Wide Groundwater sampling episode is included as Appendix C.

2.0 June 2009 Site-Wide Groundwater Sampling Results

2.1 Perimeter Monitoring Wells

Between June 17 and June 19, 2009, 22 Site-Wide Groundwater samples were collected from the site's perimeter wells (MW1-12-29, MW1-15-29, MW1-23-47, MW1-26-27, MW1-28-74, MW2-01-22, MW2-03-33, MW4-02-24, MW3-02-27, MW4-10-23, MW4-11-33, MW4-14-36, MW4-30-63, MW5-18-26, MW5-41-19, MW6-02-27, MW6-05-28, MW6-06-24, MW6-12-42, MW6-20-37, MW7-04-26, and MW7-05-28). The following summarizes the Site-Wide Groundwater results for the perimeter monitoring well network:

- Benzo (b) fluoranthene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 1.2 μg/l at monitoring well MW4-02-24 (2.8 μg/l);
- Benzo (g,h,i) perylene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.26 μg/l in monitoring wells MW4-02-24 (3.4 μg/l) MW7-04-26 (0.84) μg/l;
- Benzo (k) fluoranthene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.55 μg/l in monitoring well MW4-02-24 (2.5 μg/l);
- Chrysene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 1.9 μg/l at monitoring well MW4-02-24 (2.8 μg/l);
- Dibenzo (a,h) anthracene was detected at concentrations exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.6 μg/l in monitoring wells MW4-02-24 (3.8 μg/l) and MW7-04-26 (1.4) μg/l; and,
- No other VOCs, SVOC, and Metals under the RCRA Appendix IX analytes were detected at concentrations exceeding their respective PADEP non-residential Non-Use Aquifer Groundwater MSCs in any other wells sampled within the perimeter monitoring well network at the site.

2.2.2 Secondary Monitoring Network

Between October 14 and October 20, 2008, 6 Site-Wide Groundwater samples were collected from the site's secondary monitoring well network (MW1-02-31, MW3-12-31, MW3-29-29, MW4-33-25, MW5-07-24, and MW6-08-28). The following summarizes the Site-Wide Groundwater sampling results for the secondary monitoring well network:

- Benzo (g,h,i) perylene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.26 μg/l at monitoring well MW6-08-28 (0.88 μg/l) and MW3-29-29 (0.87 μg/l).
- Dibenzo (a,h) anthracene was detected at a concentration exceeding the PADEP Non-Residential Non-Use Aquifer Groundwater MSC of 0.6 μg/l at monitoring wells MW3-29-29 (1.4 μg/l) and MW6-08-28 (1.5 μg/l).
- No other VOCs, SVOC, and Metal under the RCRA Appendix IX analytes were detected at concentrations exceeding their respective PADEP non-residential Non-Use Aquifer Groundwater MSCs in any other wells sampled within the secondary monitoring well network at the site.

2.2.3 Trip and Field Blanks

The following summarizes the results from the trip and field blanks collected during the June 2009 Site-Wide Groundwater sampling event:

- No VOCs were detected in the Trip blank; and,
- No VOCs, SVOCs, or Metals were detected above residential and non-residential groundwater MSC's in the field blanks.

A complete summary of the June 2009 Site-Wide Groundwater analytical results is presented on Table 6. The Site-Wide Groundwater exceedances are presented on Figure 5. The complete laboratory data package for the June 2009 Site-Wide Groundwater sampling episode is included as Appendix C.

APPENDIX E

Laboratory Analytical Data Packages (on CD)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. GWM

Langan/USS Fairless Site

Lot #: C8J160299

Judd Herr

Langan Engineering & Environme
2700 Kelly Road
Suite 200
Warrington, PA 18976

TESTAMERICA LABORATORIES, INC.

Kathryn L. Bort
Project Manager

November 6, 2008

301 Alpha Drive Pittsburgh, PA 15238 **tel** 412.963.7058 **fax** 412.963.2468 **www.testamericainc.com**

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E87660)	WW	X
		HW	X
Illinois – NELAC	(#200005)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#93200)	WW	X
		HW	X
New Hampshire – NELAC	(#203002)	WW	X
		--	--
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 12/28/07 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

Langan

Lot # C8J160299

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on August 16, 2008. The coolers were received at 2.0, 2.1, and 2.3 °C.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The % D in calibration verification standard CC5102408, was > 25% for acetone (36.46%). This is within the expected performance range.

Chlorobenzene and toluene recovered low and outside control limits in MW1-23-47-10-08 matrix spike.

GC/MS Semivolatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %RSD was >30% 4-nitroquinoline-1-oxide, and a, a-dimethylphenethylamine (S102408APC). These are within the expected range.

The %D in calibration verification standard S102408CC, was >25% for 2-naphthylamine (41.2%), atrazine (30.0%), and benzaldehyde (45.0%). These are within the expected performance range.

The %Din calibration verification standard S102901APC, was > 25% for 2-acetylaminofluorene (32.3%), alpha, alpha-dimethylphenethylamine (30.5%), and methapyrilene (25.5%). These are within the expected performance range.

CASE NARRATIVE

Langan

Lot # C8J160299

GC/MS Semivolatiles(cont.):
The %D in calibration verification standard S110408APC, was > 25% for alpha, alpha-dimethylphenethylamine (35.7%). This is within the expected performance range.

The %D in calibration verification standard S110508APC, was > 25% for alpha, alpha-dimethylphenethylamine (36.6%). This is within the expected performance range.

Samples MW7-09-17_10-08, MW7-04-26_10-08 and DUP001_10-08 were re-extracted after the holding time had expired. The sample required re-extraction due to low acid surrogates. The re-extraction did not confirm the initial analysis. Both sets of data are reported.

Several compounds were detected in the method blanks between the MDL and the reporting limit. The results were flagged with a "J" qualifier. Sample results for compounds associated these blanks are flagged with a "B" qualifier.

4-bromophenylphenylether recovered high and outside of criteria in the LCS. The compound was not detected in any of the samples; the data was reported as is. In this case, the positive bias is not believed to have impacted data quality.

Metals:
Several analytes were detected in the method blank between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Sample results for these analytes are flagged with a "J" qualifier.

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client: Langan Engineering	Project Manager: Brian McGuire	Date: 10-15-08	Chain of Custody Number: 050835
Address: PO Box 1569	Telephone Number (Area Code)/Fax Number: 215-491-6500	Lab Number: C8J160299	Page 1 of 2
City: Doylestown; State: Pa; Zip Code: 18501	Site Contact: Joe Catricks; Lab Contact: Eileen Snyder		
Project Name and Location (State): US Steel Fairless hills Pa	Carrier/Waybill Number: TA Carrier		
Contract/Purchase Order/Quote No.: 2634102			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260B App IX List	8270C App IX List	Metals App IX List	Special Instructions/ Conditions of Receipt
MW6-02-27-10-08	10.14.08	1630		X			2		1	3			X	X	X	
MW6-08-28-10-08	10.15.08	0935		X			2		1	3			X	X	X	
MW6-06-24-10-08	10.15.08	1110		X			2		1	3			X	X	X	
MW6-05-28-10-08	10.15.08	1250		X			2		1	3			X	X	X	
MW7-09-17-10-08	10.15.08	1025		X			2		1	3			X	X	X	
MW7-04-26-10-08	10.14.08	1755		X			2		1	3			X	X	X	
MW7-05-28-10-08	10.14.08	1605		X			2		1	3			X	X	X	
MW5-18-26-10-08	10.15.08	1220		X			2		1	3			X	X	X	
FB001-10-08	10.15.08	1330		X			2		1	3			X	X	X	
TB-01-10-08		—		X						2			X			
Dpool-10-08	10.15.08	—		X			2		1	3			X	X	X	
FB001-10-08	10.14.08	1730		X			2		1	3			X	X	X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify): Will call in

	Date	Time		Date	Time
1. Relinquished By: [signature]	1600 / 10-15-08		1. Received By: [signature]	10/15/08	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By: [signature]	10/16/8	1120

Comments: All Sample to be Analyzed for RCRA IX List - Metals to Include Hg, dissolved + Field Filtered

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

C8J160299

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Langan Engineering	Brian McGuire	10.15.08	050834
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
PO Box 1569	215-491-6500	C8J160299	

City	State	Zip Code	Site Contact	Lab Contact
Doylestown	Pa	18901	Joe Cuttricks	E. Snider

Project Name and Location (State)	Carrier/Waybill Number
USSTREL Fairless Hills PA	TA Courier

Contract/Purchase Order/Quote No.: 26341102

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 8260B	8270C	Metals, Hg	Special Instructions/ Conditions of Receipt
MW5-11.27_10.08	10.14.08	1335		X				2		1	3						
MW6-26.20_10.08	10.14.08	1640		X				2		1	3						
MW1-23.47_10.08	10.15.08	1045		X				2		1	3						
MW1-23.47_10.08 MS/MSD	10.15.08	1045		X				2		1	3						
MW1-23.10.08	10.15.08	1450		X				2		1	3						
MW1-28.74_10-08	10.15.08	1525		X				2		1	3						
~~TB~~																	

KLP 10/20/08 per J Herr

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify): will call

	Date	Time		Date	Time
1. Relinquished By	10.15.08	1600	1. Received By	10/15/08	1600
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By	10/16/8	1120

Comments: All samples to be analyzed for RCRA App IX List. Metals to include Hg. Field Filtered Dissolved.

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHODS SUMMARY

C8J160299

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C8J160299

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K02H6	001	MW6-02-27_10-08	10/14/08	16:30
K02JG	002	MW6-08-28_10-08	10/15/08	09:35
K02JH	003	MW6-06-24_10-08	10/15/08	11:10
K02JJ	004	MW6-05-28_10-08	10/15/08	12:50
K02JK	005	MW7-09-17_10-08	10/15/08	10:25
K02JM	006	MW7-04-26_10-08	10/14/08	17:55
K02JP	007	MW7-05-28_10-08	10/14/08	16:05
K02JR	008	MW5-18-26_10-08	10/15/08	12:20
K02JW	009	FB002_10-08	10/15/08	13:30
K02J6	010	TB-01_10-08	10/15/08	
K02J9	011	DUP001_10-08	10/15/08	
K02KA	012	FB001_10-08	10/14/08	17:30
K02KE	013	MW5-11-27_10-08	10/14/08	13:35
K02KG	014	MW6-26-20_10-08	10/14/08	16:40
K02KK	015	MW1-23-47_10-08	10/15/08	10:45
K02K1	016	MW1-24-23_10-08	10/15/08	12:05
K02K7	017	MW1-28-74_10-08	10/15/08	15:25

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-001 **Work Order #...:** K02H61AA **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8297280
Prep Date.....: 10/23/08 **Analysis Date..:** 10/23/08
Prep Batch #...: 8297464 **Analysis Time..:** 21:53
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.6 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.26 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-001 **Work Order #...:** K02H61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.82 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-002 **Work Order #...:** K02JG1AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8297280
Prep Date.....: 10/23/08 **Analysis Date..:** 10/23/08
Prep Batch #...: 8297464 **Analysis Time..:** 22:16
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.57 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.64 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-002 **Work Order #...:** K02JG1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.51 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.7**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-003 **Work Order #...:** K02JH1AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8297280
Prep Date.....: 10/23/08 **Analysis Date..:** 10/23/08
Prep Batch #...: 8297464 **Analysis Time..:** 22:39
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.86 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-003 **Work Order #...:** K02JH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.35 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.0**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-004 **Work Order #...:** K02JJ1AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8297280
Prep Date.....: 10/23/08 **Analysis Date..:** 10/23/08
Prep Batch #...: 8297464 **Analysis Time..:** 23:26
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-004 **Work Order #...:** K02JJ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.27 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.5**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK1AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 12:15
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**10**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**2.2 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	**0.23 J**	**1.0**	**ug/L**
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	**0.29 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	**0.35 J**	**1.0**	**ug/L**
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM1AA **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8297280
Prep Date.....: 10/23/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8297464 **Analysis Time..:** 00:12
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	96	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-007 **Work Order #...:** K02JP1AA **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 12:38
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-007 **Work Order #...:** K02JP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-008 **Work Order #...:** K02JR1AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 13:24
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**66**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	**2.0**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-008 **Work Order #...:** K02JR1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.42 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-009 **Work Order #...:** K02JW1AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 10:29
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.8 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-009 **Work Order #...:** K02JW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**1.5**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: TB-01_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-010 **Work Order #...:** K02J61AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8297280
Prep Date.....: 10/23/08 **Analysis Date..:** 10/23/08
Prep Batch #...: 8297464 **Analysis Time..:** 15:55
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.7 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.67 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: TB-01_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-010 **Work Order #...:** K02J61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**2.1**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J91AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 13:48
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**10**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**2.2 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	**0.35 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J91AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	**0.35 J**	**1.0**	**ug/L**
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-012 **Work Order #...:** K02KA1AA **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 13:01
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.3 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-012 **Work Order #...:** K02KA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**1.3**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	103	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-013 **Work Order #...:** K02KE1AA **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 14:11
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.86 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-013 **Work Order #...:** K02KE1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.73 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-014 **Work Order #...:** K02KG1AA **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 14:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-014 **Work Order #...:** K02KG1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(71 - 118)
1,2-Dichloroethane-d4	97	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-015 **Work Order #...:** K02KK1AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8297280
Prep Date.....: 10/23/08 **Analysis Date..:** 10/23/08
Prep Batch #...: 8297464 **Analysis Time..:** 15:31
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-015 **Work Order #...:** K02KK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-016 **Work Order #...:** K02K11AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 14:57
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.3 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**1.1 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-016 **Work Order #...:** K02K11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-017 **Work Order #...:** K02K71AA **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 15:20
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.7 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.65 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

GC/MS Volatiles

Lot-Sample #...: C8J160299-017 **Work Order #...:** K02K71AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	97	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J160299 **Work Order #...:** K1G211AA **Matrix.....:** WATER
MB Lot-Sample #: C8J230000-464

Prep Date.....: 10/23/08 **Analysis Time..:** 14:51
Analysis Date..: 10/23/08 **Prep Batch #...:** 8297464
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J160299 **Work Order #...:** K1G211AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J160299 **Work Order #...:** K1JC01AA **Matrix.....:** WATER
MB Lot-Sample #: C8J240000-314

Prep Date.....: 10/24/08 **Analysis Time..:** 09:31
Analysis Date..: 10/24/08 **Prep Batch #...:** 8298314
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J160299 **Work Order #...:** K1JC01AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J160299 **Work Order #...:** K1G211AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J230000-464
Prep Date.....: 10/23/08 **Analysis Date..:** 10/23/08
Prep Batch #...: 8297464 **Analysis Time..:** 16:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**103**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**91**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**98**	**(65 - 136)**	**SW846 8260B**
Toluene	**85**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**95**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J160299 **Work Order #...:** K1JC01AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J240000-314
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 10:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**94**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**93**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(65 - 136)**	**SW846 8260B**
Toluene	**96**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**93**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	103	(70 - 118)
Dibromofluoromethane	94	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J160299
MS Lot-Sample #: C8J160299-015
Date Sampled...: 10/15/08
Prep Date.....: 10/23/08
Prep Batch #...: 8297464
Dilution Factor: 1

Work Order #...: K02KK1AC-MS
K02KK1AD-MSD
Date Received..: 10/16/08
Analysis Date..: 10/23/08
Analysis Time..: 18:13

Matrix.....: WATER
MS Run #.....: 8297280

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**84**	**(80 - 120)**			**SW846 8260B**
	104	**(80 - 120)**	**21**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**79 a**	**(80 - 120)**			**SW846 8260B**
	91	**(80 - 120)**	**14**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**82**	**(65 - 136)**			**SW846 8260B**
	110	**(65 - 136)**	**30**	**(0-35)**	**SW846 8260B**
Toluene	**73 a**	**(80 - 123)**			**SW846 8260B**
	88	**(80 - 123)**	**19**	**(0-35)**	**SW846 8260B**
Trichloroethene	**76**	**(73 - 120)**			**SW846 8260B**
	104	**(73 - 120)**	**31**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(71 - 118)
	92	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
	93	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
	98	(70 - 118)
Dibromofluoromethane	100	(70 - 128)
	102	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J160299 **Work Order #...:** K06C81AX-MS **Matrix.....:** WATER
MS Lot-Sample #: C8J180168-005 K06C81A0-MSD
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 11:16
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	96	**(80 - 120)**	**0.30**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**95**	**(80 - 120)**			**SW846 8260B**
	97	**(80 - 120)**	**2.5**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(65 - 136)**			**SW846 8260B**
	103	**(65 - 136)**	**3.3**	**(0-35)**	**SW846 8260B**
Toluene	**95**	**(80 - 123)**			**SW846 8260B**
	97	**(80 - 123)**	**2.5**	**(0-35)**	**SW846 8260B**
Trichloroethene	**95**	**(73 - 120)**			**SW846 8260B**
	95	**(73 - 120)**	**0.12**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
	105	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
	94	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
	104	(70 - 118)
Dibromofluoromethane	98	(70 - 128)
	97	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-001 **Work Order #...:** K02H61AC **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 20:25
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.058 J**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.089 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.52**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.33**	**0.21**	**ug/L**
Benzo(b)fluoranthene	**0.84**	**0.21**	**ug/L**
Benzo(ghi)perylene	**0.77**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**0.54**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.6**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.33 J**	**1.0**	**ug/L**
4-Chloroaniline	**0.054 J**	**1.0**	**ug/L**
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.62**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	**0.90**	**0.21**	**ug/L**
Dibenzofuran	**0.063 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.19 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-001 **Work Order #...:** K02H61AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.70 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.30**	**0.21**	**ug/L**
Fluorene	**0.061 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**0.84**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-001 **Work Order #...:** K02H61AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.14 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.31 B**	**0.21**	**ug/L**
Phenol	**0.053 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.29**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-001 **Work Order #...:** K02H61AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	99	(23 - 112)
Terphenyl-d14	46	(10 - 132)
2-Fluorobiphenyl	104	(19 - 107)
2-Fluorophenol	46	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	48	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-001 **Work Order #:** K02H61AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-002 **Work Order #...:** K02JG1AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 20:46
Dilution Factor: 1.03

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	**0.38**	**0.21**	**ug/L**
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.2**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.19 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.074 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-002 **Work Order #...:** K02JG1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-002 **Work Order #...:** K02JG1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.14 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-002 **Work Order #...:** K02JG1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	68	(23 - 112)
Terphenyl-d14	57	(10 - 132)
2-Fluorobiphenyl	68	(19 - 107)
2-Fluorophenol	47	(10 - 111)
Phenol-d5	59	(15 - 112)
2,4,6-Tribromophenol	86	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-08-28_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-002 **Work Order #:** K02JG1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-003 **Work Order #...:** K02JH1AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 21:07
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	**0.048 J**	**0.22**	**ug/L**
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.80 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.73 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.10 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.12 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-003 **Work Order #...:** K02JH1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.47 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.089 J**	**0.22**	**ug/L**
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-003 **Work Order #...:** K02JH1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	**0.24 J**	**1.1**	**ug/L**
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.14 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.10 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-003 **Work Order #...:** K02JH1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	76	(23 - 112)
Terphenyl-d14	100	(10 - 132)
2-Fluorobiphenyl	74	(19 - 107)
2-Fluorophenol	11	(10 - 111)
Phenol-d5	47	(15 - 112)
2,4,6-Tribromophenol	32	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-06-24_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-003 **Work Order #:** K02JH1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-004 **Work Order #...:** K02JJ1AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 21:28
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.12 J**	**0.21**	**ug/L**
Acenaphthylene	**0.092 J**	**0.21**	**ug/L**
Acetophenone	**0.12 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**0.28 J**	**1.0**	**ug/L**
Anthracene	**0.56**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.74**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.58**	**0.21**	**ug/L**
Benzo(b)fluoranthene	**0.91**	**0.21**	**ug/L**
Benzo(ghi)perylene	**0.95**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**0.72**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	**0.18 J**	**1.0**	**ug/L**
bis(2-Chloroethyl)-ether	**0.13 J**	**0.21**	**ug/L**
bis(2-Ethylhexyl) phthalate	**1.2**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	**0.40 J**	**1.0**	**ug/L**
Butyl benzyl phthalate	**1.1**	**1.0**	**ug/L**
4-Chloroaniline	**0.51 J**	**1.0**	**ug/L**
4-Chloro-3-methylphenol	**0.35 J**	**1.0**	**ug/L**
2-Chloronaphthalene	**0.12 J**	**0.21**	**ug/L**
2-Chlorophenol	**0.091 J**	**1.0**	**ug/L**
4-Chlorophenyl phenyl ether	**0.057 J**	**1.0**	**ug/L**
Chrysene	**0.75**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	**1.0**	**0.21**	**ug/L**
Dibenzofuran	**0.22 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.87 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	**0.19 J**	**0.21**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-004 **Work Order #...:** K02JJ1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.63 J**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.18 J**	**1.0**	**ug/L**
Dimethyl phthalate	**0.45 J**	**1.0**	**ug/L**
Di-n-octyl phthalate	**1.1**	**1.0**	**ug/L**
1,3-Dinitrobenzene	**0.47 J**	**1.0**	**ug/L**
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	**1.6 J**	**5.2**	**ug/L**
2,4-Dinitrotoluene	**0.59 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	**0.38 J**	**1.0**	**ug/L**
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.69**	**0.21**	**ug/L**
Fluorene	**0.25**	**0.21**	**ug/L**
Hexachlorobenzene	**0.33**	**0.21**	**ug/L**
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**1.0**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.096 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.17 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.52 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-004 **Work Order #...:** K02JJ1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.097 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	**0.61 J**	**5.2**	**ug/L**
3-Nitroaniline	**0.81 J**	**5.2**	**ug/L**
4-Nitroaniline	**1.0 J**	**5.2**	**ug/L**
Nitrobenzene	**0.21**	**0.21**	**ug/L**
2-Nitrophenol	**0.082 J**	**1.0**	**ug/L**
4-Nitrophenol	**2.0 J**	**5.2**	**ug/L**
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	**0.49**	**0.21**	**ug/L**
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	**0.042 J**	**0.21**	**ug/L**
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	**0.86 J**	**1.0**	**ug/L**
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.61 B**	**0.21**	**ug/L**
Phenol	**0.28**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.79**	**0.21**	**ug/L**
Pyridine	**0.66 J**	**1.0**	**ug/L**
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-004 **Work Order #...:** K02JJ1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	**0.45 J**	**1.0**	**ug/L**
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	**0.058 J**	**0.21**	**ug/L**
2,4,5-Trichloro-phenol	**0.32 J**	**1.0**	**ug/L**
2,4,6-Trichloro-phenol	**0.16 J**	**1.0**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(23 - 112)
Terphenyl-d14	115	(10 - 132)
2-Fluorobiphenyl	86	(19 - 107)
2-Fluorophenol	26	(10 - 111)
Phenol-d5	62	(15 - 112)
2,4,6-Tribromophenol	83	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-004 **Work Order #:** K02JJ1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK1AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 21:48
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.083 J**	**0.21**	**ug/L**
Acenaphthylene	**0.069 J**	**0.21**	**ug/L**
Acetophenone	**0.099 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	**0.47 J**	**1.1**	**ug/L**
Anthracene	**0.16 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.20 J**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.14 J**	**0.21**	**ug/L**
Benzo(b)fluoranthene	**0.51**	**0.21**	**ug/L**
Benzo(ghi)perylene	**0.34**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**0.17 J**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	**0.081 J**	**0.21**	**ug/L**
bis(2-Ethylhexyl) phthalate	**0.86 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	**0.15 J**	**1.1**	**ug/L**
Butyl benzyl phthalate	**0.39 J**	**1.1**	**ug/L**
4-Chloroaniline	**0.62 J**	**1.1**	**ug/L**
4-Chloro-3-methylphenol	**0.23 J**	**1.1**	**ug/L**
2-Chloronaphthalene	**0.073 J**	**0.21**	**ug/L**
2-Chlorophenol	**0.077 J**	**1.1**	**ug/L**
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.21**	**0.21**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	**0.52**	**0.21**	**ug/L**
Dibenzofuran	**0.14 J**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.25 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	**0.14 J**	**0.21**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.33 J**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	**0.13 J**	**1.1**	**ug/L**
Dimethyl phthalate	**0.17 J**	**1.1**	**ug/L**
Di-n-octyl phthalate	**0.60 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	**0.19 J**	**1.1**	**ug/L**
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	**1.5 J**	**5.3**	**ug/L**
2,4-Dinitrotoluene	**0.22 J**	**1.1**	**ug/L**
2,6-Dinitrotoluene	**0.17 J**	**1.1**	**ug/L**
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.19 J**	**0.21**	**ug/L**
Fluorene	**0.12 J**	**0.21**	**ug/L**
Hexachlorobenzene	**0.063 J**	**0.21**	**ug/L**
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	**0.50**	**0.21**	**ug/L**
Isodrin	ND	1.1	ug/L
Isophorone	**0.066 J**	**1.1**	**ug/L**
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.069 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	**0.12 J**	**1.1**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.32 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	**0.45 J**	**5.3**	**ug/L**
3-Nitroaniline	**0.54 J**	**5.3**	**ug/L**
4-Nitroaniline	**0.45 J**	**5.3**	**ug/L**
Nitrobenzene	**0.14 J**	**0.21**	**ug/L**
2-Nitrophenol	**0.067 J**	**1.1**	**ug/L**
4-Nitrophenol	**1.3 J**	**5.3**	**ug/L**
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	**0.084 J**	**1.1**	**ug/L**
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	**0.23**	**0.21**	**ug/L**
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.26 B**	**0.21**	**ug/L**
Phenol	**0.21**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.19 J**	**0.21**	**ug/L**
Pyridine	**0.92 J**	**1.1**	**ug/L**
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	**0.24 J**	**1.1**	**ug/L**
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	**0.37 J**	**1.1**	**ug/L**
2,4,6-Trichloro-phenol	**0.15 J**	**1.1**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	69	(10 - 132)
2-Fluorobiphenyl	76	(19 - 107)
2-Fluorophenol	4.2 *	(10 - 111)
Phenol-d5	9.3 *	(15 - 112)
2,4,6-Tribromophenol	14 *	(16 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-005 **Work Order #:** K02JK1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK2AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:**
Prep Date.....: 10/31/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8308036 **Analysis Time..:** 21:17
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.85 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.15 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.11 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK2AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	**0.54 J**	**1.1**	**ug/L**
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.40**	**0.22**	**ug/L**
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK2AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.053 J**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.16 J,B**	**0.22**	**ug/L**
Phenol	**0.041 J**	**0.22**	**ug/L**
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-005 **Work Order #...:** K02JK2AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(23 - 112)
Terphenyl-d14	94	(10 - 132)
2-Fluorobiphenyl	75	(19 - 107)
2-Fluorophenol	32	(10 - 111)
Phenol-d5	42	(15 - 112)
2,4,6-Tribromophenol	38	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW7-09-17_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-005 **Work Order #:** K02JK2AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM1AC **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 22:09
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.051 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	**0.30 J**	**1.1**	**ug/L**
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	**0.044 J**	**0.21**	**ug/L**
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**2.0**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	**0.053 J**	**1.1**	**ug/L**
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.050 J**	**0.21**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.17 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	**0.074 J**	**1.1**	**ug/L**
Di-n-octyl phthalate	**0.49 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.079 J**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.062 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.17 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	93	(23 - 112)
Terphenyl-d14	140 *	(10 - 132)
2-Fluorobiphenyl	97	(19 - 107)
2-Fluorophenol	3.0 *	(10 - 111)
Phenol-d5	18	(15 - 112)
2,4,6-Tribromophenol	21	(16 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-006 **Work Order #:** K02JM1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM2AC **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:**
Prep Date.....: 10/31/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8308036 **Analysis Time..:** 21:38
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**2.2**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.20 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.12 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM2AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.44**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM2AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.17 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.074 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-006 **Work Order #...:** K02JM2AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(23 - 112)
Terphenyl-d14	122	(10 - 132)
2-Fluorobiphenyl	81	(19 - 107)
2-Fluorophenol	61	(10 - 111)
Phenol-d5	73	(15 - 112)
2,4,6-Tribromophenol	103	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW7-04-26_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-006 **Work Order #:** K02JM2AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorphene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-007 **Work Order #...:** K02JP1AC **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 22:31
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.46 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.22 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.058 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.065 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-007 **Work Order #...:** K02JP1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.45 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.057 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopenta-diene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-007 **Work Order #...:** K02JP1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.053 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.11 J,B**	**0.21**	**ug/L**
Phenol	**0.057 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-007 **Work Order #...:** K02JP1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	105	(23 - 112)
Terphenyl-d14	88	(10 - 132)
2-Fluorobiphenyl	107	(19 - 107)
2-Fluorophenol	63	(10 - 111)
Phenol-d5	87	(15 - 112)
2,4,6-Tribromophenol	112	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW7-05-28_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-007 **Work Order #:** K02JP1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-008 **Work Order #...:** K02JR1AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8295022 **Analysis Time..:** 19:56
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.18 J**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.15 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.40 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.18 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.095 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.21 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-008 **Work Order #...:** K02JR1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.84 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.11 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	**0.15 J**	**1.0**	**ug/L**
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.10 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**1.1**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**5.0**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-008 **Work Order #...:** K02JR1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**1.0**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.26 B**	**0.21**	**ug/L**
Phenol	**31**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	**0.30 J**	**1.0**	**ug/L**
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-008 **Work Order #...:** K02JR1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(23 - 112)
Terphenyl-d14	88	(10 - 132)
2-Fluorobiphenyl	80	(19 - 107)
2-Fluorophenol	37	(10 - 111)
Phenol-d5	54	(15 - 112)
2,4,6-Tribromophenol	88	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-18-26_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-008 **Work Order #:** K02JR1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-009 **Work Order #...:** K02JW1AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 23:14
Dilution Factor: 1.03

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.069 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-009 **Work Order #...:** K02JW1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.30 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-009 **Work Order #...:** K02JW1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.047 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.070 J,B**	**0.21**	**ug/L**
Phenol	**0.18 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-009 **Work Order #...:** K02JW1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(23 - 112)
Terphenyl-d14	81	(10 - 132)
2-Fluorobiphenyl	57	(19 - 107)
2-Fluorophenol	35	(10 - 111)
Phenol-d5	45	(15 - 112)
2,4,6-Tribromophenol	44	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

FB002_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-009 **Work Order #:** K02JW1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J91AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 23:36
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	**0.16 J**	**1.1**	**ug/L**
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	**0.077 J**	**0.21**	**ug/L**
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	**0.44**	**0.21**	**ug/L**
Benzo(ghi)perylene	**0.26**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**0.072 J**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.74 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.20 J**	**1.1**	**ug/L**
4-Chloroaniline	**0.073 J**	**1.1**	**ug/L**
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.071 J**	**0.21**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	**0.44**	**0.21**	**ug/L**
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.32 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J91AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.51 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	**0.44**	**0.21**	**ug/L**
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J91AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	**0.059 J**	**5.3**	**ug/L**
3-Nitroaniline	**0.047 J**	**5.3**	**ug/L**
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.095 J,B**	**0.21**	**ug/L**
Phenol	**0.047 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	**0.11 J**	**1.1**	**ug/L**
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J91AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(23 - 112)
Terphenyl-d14	72	(10 - 132)
2-Fluorobiphenyl	65	(19 - 107)
2-Fluorophenol	1.0 *	(10 - 111)
Phenol-d5	7.5 *	(15 - 112)
2,4,6-Tribromophenol	7.6 *	(16 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-011 **Work Order #:** K02J91AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J92AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:**
Prep Date.....: 10/31/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8308036 **Analysis Time..:** 22:18
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.2**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.19 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.10 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J92AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J92AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.15 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-011 **Work Order #...:** K02J92AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(23 - 112)
Terphenyl-d14	107	(10 - 132)
2-Fluorobiphenyl	77	(19 - 107)
2-Fluorophenol	17	(10 - 111)
Phenol-d5	29	(15 - 112)
2,4,6-Tribromophenol	31	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

DUP001_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-011 **Work Order #:** K02J92AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-012
Date Sampled...: 10/14/08
Prep Date.....: 10/20/08
Prep Batch #...: 8295022
Dilution Factor: 1.06

Work Order #...: K02KA1AC
Date Received..: 10/16/08
Analysis Date..: 10/24/08
Analysis Time..: 23:57

Matrix.....: WATER
MS Run #.....: 8295010

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.051 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.077 J**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.23 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-012 **Work Order #...:** K02KA1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.11 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-012 **Work Order #...:** K02KA1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.054 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.12 J,B**	**0.21**	**ug/L**
Phenol	**0.053 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-012 **Work Order #...:** K02KA1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	99	(23 - 112)
Terphenyl-d14	116	(10 - 132)
2-Fluorobiphenyl	100	(19 - 107)
2-Fluorophenol	29	(10 - 111)
Phenol-d5	39	(15 - 112)
2,4,6-Tribromophenol	50	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

FB001_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-012 **Work Order #:** K02KA1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-013 **Work Order #...:** K02KE1AC **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/25/08
Prep Batch #...: 8295022 **Analysis Time..:** 00:19
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.3**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.35 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.30 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-013 **Work Order #...:** K02KE1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.27 J**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.47 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-013 **Work Order #...:** K02KE1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.098 J,B**	**0.21**	**ug/L**
Phenol	**0.048 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	**0.16 J**	**1.0**	**ug/L**
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-013 **Work Order #...:** K02KE1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(23 - 112)
Terphenyl-d14	59	(10 - 132)
2-Fluorobiphenyl	62	(19 - 107)
2-Fluorophenol	23	(10 - 111)
Phenol-d5	36	(15 - 112)
2,4,6-Tribromophenol	49	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-11-27_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-013 **Work Order #:** K02KE1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-014 **Work Order #...:** K02KG1AC **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/25/08
Prep Batch #...: 8295022 **Analysis Time..:** 00:41
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.067 J**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	**0.054 J**	**0.21**	**ug/L**
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	**0.43**	**0.21**	**ug/L**
Benzo(ghi)perylene	**0.25**	**0.21**	**ug/L**
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.30 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.24 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.049 J**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.092 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.14 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.053 J**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-014 **Work Order #...:** K02KG1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.47 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.058 J**	**0.21**	**ug/L**
Fluorene	**0.078 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**0.42**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-014 **Work Order #...:** K02KG1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.053 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	**0.29 J**	**1.0**	**ug/L**
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.18 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	**0.14 J**	**1.0**	**ug/L**
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-014 **Work Order #...:** K02KG1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(23 - 112)
Terphenyl-d14	91	(10 - 132)
2-Fluorobiphenyl	83	(19 - 107)
2-Fluorophenol	52	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	69	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-26-20_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-014 **Work Order #:** K02KG1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-015 **Work Order #...:** K02KK1AE **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 19:22
Dilution Factor: 1.12

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.86**	**0.22**	**ug/L**
Benzo(a)anthracene	**3.4**	**0.22**	**ug/L**
Benzo(a)pyrene	**2.3**	**0.22**	**ug/L**
Benzo(b)fluoranthene	**2.9**	**0.22**	**ug/L**
Benzo(ghi)perylene	**3.8**	**0.22**	**ug/L**
Benzo(k)fluoranthene	**3.5**	**0.22**	**ug/L**
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**4.0**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	**0.11 J**	**1.1**	**ug/L**
Butyl benzyl phthalate	**1.9**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**3.8**	**0.22**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	**3.7**	**0.22**	**ug/L**
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.87 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-015 **Work Order #...:** K02KK1AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**3.6**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.6	ug/L
2,4-Dinitrophenol	ND	5.6	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**2.1**	**0.22**	**ug/L**
Fluorene	**0.081 J**	**0.22**	**ug/L**
Hexachlorobenzene	**1.3**	**0.22**	**ug/L**
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	**3.4**	**0.22**	**ug/L**
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.5	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-015 **Work Order #...:** K02KK1AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.6	ug/L
3-Nitroaniline	ND	5.6	ug/L
4-Nitroaniline	ND	5.6	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.6	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	**0.31 J**	**1.1**	**ug/L**
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.49 B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	45	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**2.2**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-015 **Work Order #...:** K02KK1AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	64	(10 - 132)
2-Fluorobiphenyl	77	(19 - 107)
2-Fluorophenol	50	(10 - 111)
Phenol-d5	63	(15 - 112)
2,4,6-Tribromophenol	84	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-23-47_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-015 **Work Order #:** K02KK1AE **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-016 **Work Order #...:** K02K11AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/25/08
Prep Batch #...: 8295022 **Analysis Time..:** 01:02
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.076 J**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.37 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.073 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-016 **Work Order #...:** K02K11AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.53 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-016 **Work Order #...:** K02K11AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	**0.91 J**	**1.1**	**ug/L**
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.089 J,B**	**0.21**	**ug/L**
Phenol	**0.043 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-016 **Work Order #...:** K02K11AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(23 - 112)
Terphenyl-d14	60	(10 - 132)
2-Fluorobiphenyl	96	(19 - 107)
2-Fluorophenol	44	(10 - 111)
Phenol-d5	57	(15 - 112)
2,4,6-Tribromophenol	84	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-24-23_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J160299-016 **Work Order #:** K02K11AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-017 **Work Order #...:** K02K71AC **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08 **MS Run #.....:** 8295010
Prep Date.....: 10/20/08 **Analysis Date..:** 10/25/08
Prep Batch #...: 8295022 **Analysis Time..:** 01:24
Dilution Factor: 1.03

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.40 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.14 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.064 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-017 **Work Order #...:** K02K71AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	**0.13 J**	**1.0**	**ug/L**
Di-n-octyl phthalate	**0.46 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachlorophene	ND		ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-017 **Work Order #...:** K02K71AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.28**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.10 J,B**	**0.21**	**ug/L**
Phenol	**0.15 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J160299-017 **Work Order #...:** K02K71AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(23 - 112)
Terphenyl-d14	55	(10 - 132)
2-Fluorobiphenyl	69	(19 - 107)
2-Fluorophenol	35	(10 - 111)
Phenol-d5	39	(15 - 112)
2,4,6-Tribromophenol	33	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K07551AA **Matrix.....:** WATER
MB Lot-Sample #: C8J210000-022

Prep Date.....: 10/20/08 **Analysis Time..:** 18:40
Analysis Date..: 10/24/08 **Prep Batch #...:** 8295022
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K07551AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K07551AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.067 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K07551AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	109	(10 - 132)
2-Fluorobiphenyl	78	(19 - 107)
2-Fluorophenol	33	(10 - 111)
Phenol-d5	52	(15 - 112)
2,4,6-Tribromophenol	87	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

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Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C8J210000-022 B **Work Order #:** K07551AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K14WQ1AA **Matrix.....:** WATER
MB Lot-Sample #: C8K030000-036

Prep Date.....: 10/31/08 **Analysis Time..:** 20:16
Analysis Date..: 11/04/08 **Prep Batch #...:** 8308036
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	**0.020 J**	**1.0**	**ug/L**	**SW846 8270C**
Di-n-butyl phthalate	**0.068 J**	**1.0**	**ug/L**	**SW846 8270C**
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	**0.043 J**	**0.20**	**ug/L**	**SW846 8270C**
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	**0.051 J**	**1.0**	**ug/L**	**SW846 8270C**
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K14WQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	**0.020 J**	**0.20**	**ug/L**	**SW846 8270C**
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K14WQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.073 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K14WQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(23 - 112)
Terphenyl-d14	130	(10 - 132)
2-Fluorobiphenyl	79	(19 - 107)
2-Fluorophenol	63	(10 - 111)
Phenol-d5	75	(15 - 112)
2,4,6-Tribromophenol	84	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

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Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C8K030000-036 B **Work Order #:** K14WQ1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K07551AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J210000-022
Prep Date.....: 10/20/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8295022 **Analysis Time..:** 19:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**68**	**(35 - 99)**	**SW846 8270C**
4-Bromophenyl phenyl ether	**72**	**(37 - 104)**	**SW846 8270C**
Butyl benzyl phthalate	**72**	**(36 - 108)**	**SW846 8270C**
4-Chloro-3-methylphenol	**59**	**(35 - 104)**	**SW846 8270C**
2-Chlorophenol	**47**	**(31 - 99)**	**SW846 8270C**
1,4-Dichlorobenzene	**54**	**(34 - 93)**	**SW846 8270C**
4-Methylphenol	**51**	**(32 - 100)**	**SW846 8270C**
2,4-Dinitrotoluene	**82**	**(37 - 115)**	**SW846 8270C**
Hexachloroethane	**53**	**(32 - 94)**	**SW846 8270C**
Naphthalene	**60**	**(35 - 97)**	**SW846 8270C**
4-Nitrophenol	**99**	**(29 - 115)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**60**	**(34 - 101)**	**SW846 8270C**
Pentachlorophenol	**70**	**(15 - 111)**	**SW846 8270C**
Phenol	**50**	**(32 - 95)**	**SW846 8270C**
Pyrene	**70**	**(35 - 106)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**58**	**(34 - 96)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(23 - 112)
Terphenyl-d14	79	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	33	(10 - 111)
Phenol-d5	55	(15 - 112)
2,4,6-Tribromophenol	82	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 Work Order #...: K14WQ1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: C8K030000-036 K14WQ1AD-LCSD
Prep Date.....: 10/31/08 Analysis Date..: 11/05/08
Prep Batch #...: 8308036 Analysis Time..: 16:16
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	99	(35 - 99)			SW846 8270C
	79	(35 - 99)	23	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	109 a	(37 - 104)			SW846 8270C
	87	(37 - 104)	22	(0-40)	SW846 8270C
Butyl benzyl phthalate	101	(36 - 108)			SW846 8270C
	80	(36 - 108)	23	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	102	(35 - 104)			SW846 8270C
	77	(35 - 104)	28	(0-42)	SW846 8270C
2-Chlorophenol	82	(31 - 99)			SW846 8270C
	66	(31 - 99)	22	(0-39)	SW846 8270C
1,4-Dichlorobenzene	76	(34 - 93)			SW846 8270C
	62	(34 - 93)	20	(0-41)	SW846 8270C
4-Methylphenol	88	(32 - 100)			SW846 8270C
	70	(32 - 100)	23	(0-41)	SW846 8270C
2,4-Dinitrotoluene	107	(37 - 115)			SW846 8270C
	82	(37 - 115)	26	(0-39)	SW846 8270C
Hexachloroethane	71	(32 - 94)			SW846 8270C
	59	(32 - 94)	18	(0-39)	SW846 8270C
Naphthalene	96	(35 - 97)			SW846 8270C
	74	(35 - 97)	26	(0-43)	SW846 8270C
4-Nitrophenol	101	(29 - 115)			SW846 8270C
	73	(29 - 115)	32	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	92	(34 - 101)			SW846 8270C
	73	(34 - 101)	23	(0-43)	SW846 8270C
Pentachlorophenol	78	(15 - 111)			SW846 8270C
	62	(15 - 111)	23	(0-42)	SW846 8270C
Phenol	84	(32 - 95)			SW846 8270C
	68	(32 - 95)	22	(0-39)	SW846 8270C
Pyrene	101	(35 - 106)			SW846 8270C
	79	(35 - 106)	24	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	85	(34 - 96)			SW846 8270C
	65	(34 - 96)	26	(0-45)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K14WQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C8K030000-036 K14WQ1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	100	(23 - 112)
	77	(23 - 112)
Terphenyl-d14	119	(10 - 132)
	93	(10 - 132)
2-Fluorobiphenyl	100	(19 - 107)
	80	(19 - 107)
2-Fluorophenol	71	(10 - 111)
	57	(10 - 111)
Phenol-d5	94	(15 - 112)
	74	(15 - 112)
2,4,6-Tribromophenol	119	(16 - 122)
	89	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299
MS Lot-Sample #: C8J160299-015
Date Sampled...: 10/15/08
Prep Date.....: 10/20/08
Prep Batch #...: 8295022
Dilution Factor: 1.04

Work Order #...: K02KK1AF-MS
K02KK1AG-MSD
Date Received..: 10/16/08
Analysis Date..: 10/29/08
Analysis Time..: 21:41

Matrix.....: WATER
MS Run #.....: 8295010

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	59	(35 - 99)			SW846 8270C
	60	(35 - 99)	7.4	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	63	(37 - 104)			SW846 8270C
	61	(37 - 104)	3.8	(0-40)	SW846 8270C
Butyl benzyl phthalate	39	(36 - 108)			SW846 8270C
	42	(36 - 108)	10	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	53	(35 - 104)			SW846 8270C
	55	(35 - 104)	11	(0-42)	SW846 8270C
2-Chlorophenol	42	(31 - 99)			SW846 8270C
	41	(31 - 99)	3.2	(0-39)	SW846 8270C
1,4-Dichlorobenzene	52	(34 - 93)			SW846 8270C
	50	(34 - 93)	2.3	(0-41)	SW846 8270C
4-Methylphenol	45	(32 - 100)			SW846 8270C
	45	(32 - 100)	5.2	(0-41)	SW846 8270C
2,4-Dinitrotoluene	67	(37 - 115)			SW846 8270C
	70	(37 - 115)	10	(0-39)	SW846 8270C
Hexachloroethane	50	(32 - 94)			SW846 8270C
	48	(32 - 94)	3.7	(0-39)	SW846 8270C
Naphthalene	60	(35 - 97)			SW846 8270C
	58	(35 - 97)	3.7	(0-43)	SW846 8270C
4-Nitrophenol	48	(29 - 115)			SW846 8270C
	53	(29 - 115)	17	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	56	(34 - 101)			SW846 8270C
	57	(34 - 101)	6.7	(0-43)	SW846 8270C
Pentachlorophenol	54	(15 - 111)			SW846 8270C
	52	(15 - 111)	2.7	(0-42)	SW846 8270C
Phenol	41	(32 - 95)			SW846 8270C
	41	(32 - 95)	4.1	(0-39)	SW846 8270C
Pyrene	55	(35 - 106)			SW846 8270C
	56	(35 - 106)	7.5	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	53	(34 - 96)			SW846 8270C
	52	(34 - 96)	4.4	(0-45)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J160299 **Work Order #...:** K02KK1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: C8J160299-015 K02KK1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62	(23 - 112)
	61	(23 - 112)
Terphenyl-d14	37	(10 - 132)
	36	(10 - 132)
2-Fluorobiphenyl	60	(19 - 107)
	60	(19 - 107)
2-Fluorophenol	34	(10 - 111)
	32	(10 - 111)
Phenol-d5	44	(15 - 112)
	43	(15 - 112)
2,4,6-Tribromophenol	66	(16 - 122)
	62	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-001 **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**8.1 J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AD**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02H61AE
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Arsenic	**0.55 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AF**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Barium	**34.8**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AG**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02H61AH
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Cadmium	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AJ**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Cobalt	**0.69**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AK**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Chromium	**3.6 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AL**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Copper	**4.0**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AM**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Nickel	**3.3**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AN**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Lead	**0.46 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AP**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Selenium	**1.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02H61AQ**
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.099 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02H61AR
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Antimony	0.31 B	2.0	ug/L	SW846 6020	10/24-11/02/08	K02H61AT
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Vanadium	0.10 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02H61AU
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Zinc	112	5.0	ug/L	SW846 6020	10/24-11/02/08	K02H61AV
		Dilution Factor: 1		Analysis Time..: 22:07	MS Run #.....: 8298100	
Prep Batch #...: 8302032						
Mercury	0.025 B,J	0.20	ug/L	SW846 7470A	10/28/08	K02H61AW
		Dilution Factor: 1		Analysis Time..: 09:01	MS Run #.....: 8302019	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-002 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**6.4 J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AD**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JG1AE
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Arsenic	**0.52 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AF**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Barium	**37.0**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AG**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JG1AH
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Cadmium	**0.22 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AJ**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Cobalt	**1.6**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AK**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Chromium	**3.9 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AL**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Copper	**1.9 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AM**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Nickel	**2.8**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AN**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JG1AP
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Selenium	**1.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JG1AQ**
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.049 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JG1AR
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Antimony	0.16 B	2.0	ug/L	SW846 6020	10/24-11/02/08	K02JG1AT
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JG1AU
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Zinc	69.4	5.0	ug/L	SW846 6020	10/24-11/02/08	K02JG1AV
		Dilution Factor: 1		Analysis Time..: 22:12	MS Run #.....: 8298100	
Prep Batch #...: 8302032						
Mercury	0.023 B,J	0.20	ug/L	SW846 7470A	10/28/08	K02JG1AW
		Dilution Factor: 1		Analysis Time..: 09:03	MS Run #.....: 8302019	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-003 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**5.1 J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AD**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JH1AE
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Arsenic	**0.57 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AF**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Barium	**34.5**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AG**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JH1AH
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Cadmium	**0.56 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AJ**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Cobalt	**6.4**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AK**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Chromium	**3.0 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AL**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Copper	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AM**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Nickel	**14.6**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AN**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JH1AP
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Selenium	**2.0 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JH1AQ**
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.040 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JH1AR
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Antimony	0.15 B	2.0	ug/L	SW846 6020	10/24-11/02/08	K02JH1AT
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Vanadium	0.58 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JH1AU
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Zinc	1720	5.0	ug/L	SW846 6020	10/24-11/02/08	K02JH1AV
		Dilution Factor: 1		Analysis Time..: 22:16	MS Run #.....: 8298100	
Prep Batch #...: 8302032						
Mercury	0.033 B,J	0.20	ug/L	SW846 7470A	10/28/08	K02JH1AW
		Dilution Factor: 1		Analysis Time..: 09:04	MS Run #.....: 8302019	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-004 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**6.4 J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AD**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JJ1AE
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Arsenic	**0.71 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AF**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Barium	**51.5**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AG**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JJ1AH
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JJ1AJ
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Cobalt	**1.5**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AK**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Chromium	**4.6 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AL**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Copper	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AM**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AN**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JJ1AP
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Selenium	**2.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AQ**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JJ1AR
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Antimony	**0.36 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AT**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JJ1AU
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	
Zinc	**4.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JJ1AV**
		Dilution Factor: 1		Analysis Time..: 22:35	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.050 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02JJ1AW**
		Dilution Factor: 1		Analysis Time..: 09:06	MS Run #.....: 8302019	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-005 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**6.0 J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AD**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JK1AE
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Arsenic	**0.72 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AF**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Barium	**14.7**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AG**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JK1AH
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Cadmium	**0.14 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AJ**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Cobalt	**0.75**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AK**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Chromium	**3.6 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AL**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Copper	**3.5**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AM**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Nickel	**2.8**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AN**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Lead	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AP**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Selenium	**2.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AQ**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-09-17_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JK1AR
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Antimony	**0.18 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AT**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JK1AU
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	
Zinc	**10.3**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JK1AV**
		Dilution Factor: 1		Analysis Time..: 22:39	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.029 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02JK1AW**
		Dilution Factor: 1		Analysis Time..: 09:08	MS Run #.....: 8302019	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-006 Matrix.....: WATER
Date Sampled...: 10/14/08 Date Received..: 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	3.9 B,J	5.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AD
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AE
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Arsenic	0.92 B,J	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AF
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Barium	49.4	10.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AG
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AH
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Cadmium	0.12 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AJ
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Cobalt	0.29 B	0.50	ug/L	SW846 6020	10/24-11/02/08	K02JM1AK
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Chromium	3.8 J	2.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AL
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Copper	1.9 B	2.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AM
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Nickel	1.2	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AN
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Lead	0.24 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AP
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Selenium	2.4 B,J	5.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AQ
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.021 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JM1AR**
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Antimony	**0.16 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JM1AT**
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JM1AU
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	
Zinc	**9.5**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JM1AV**
		Dilution Factor: 1		Analysis Time..: 22:43	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.039 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02JM1AW**
		Dilution Factor: 1		Analysis Time..: 09:09	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-007 Matrix.....: WATER
Date Sampled...: 10/14/08 Date Received..: 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**4.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AD**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JP1AE
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Arsenic	**0.35 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AF**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Barium	**60.7**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AG**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JP1AH
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Cadmium	**0.14 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AJ**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Cobalt	**0.74**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AK**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Chromium	**5.1 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AL**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Copper	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AM**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Nickel	**2.9**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AN**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JP1AP
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Selenium	**1.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JP1AQ**
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.031 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JP1AR
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Antimony	0.13 B	2.0	ug/L	SW846 6020	10/24-11/02/08	K02JP1AT
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JP1AU
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Zinc	4.7 B	5.0	ug/L	SW846 6020	10/24-11/02/08	K02JP1AV
		Dilution Factor: 1		Analysis Time..: 22:47	MS Run #.....: 8298100	
Prep Batch #...: 8302032						
Mercury	0.030 B,J	0.20	ug/L	SW846 7470A	10/28/08	K02JP1AW
		Dilution Factor: 1		Analysis Time..: 09:11	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-008 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**3.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AD**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JR1AE
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Arsenic	**19.0 J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AF**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Barium	**136**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AG**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JR1AH
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JR1AJ
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Cobalt	**0.26 B**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AK**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Chromium	**4.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AL**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Copper	**0.72 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AM**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Nickel	**3.1**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AN**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JR1AP
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Selenium	**2.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AQ**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-18-26_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JR1AR
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Antimony	**0.30 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AT**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Vanadium	**0.70 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AU**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	
Zinc	**3.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JR1AV**
		Dilution Factor: 1		Analysis Time..: 22:52	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.044 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02JR1AW**
		Dilution Factor: 1		Analysis Time..: 09:13	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-009 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**3.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AD**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JW1AE
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Arsenic	**0.55 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AF**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Barium	ND	10.0	ug/L	SW846 6020	10/24-11/02/08	K02JW1AG
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JW1AH
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Cadmium	**0.16 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AJ**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Cobalt	ND	0.50	ug/L	SW846 6020	10/24-11/02/08	K02JW1AK
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Chromium	**4.4 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AL**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Copper	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AM**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Nickel	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AN**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Lead	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AP**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Selenium	**1.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AQ**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB002_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JW1AR
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Antimony	**0.11 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AT**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02JW1AU
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	
Zinc	**3.7 B**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02JW1AV**
		Dilution Factor: 1		Analysis Time..: 22:56	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.037 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02JW1AW**
		Dilution Factor: 1		Analysis Time..: 09:15	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-011 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**3.4 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AD**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02J91AE
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Arsenic	**0.77 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AF**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Barium	**24.3**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AG**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02J91AH
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Cadmium	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AJ**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Cobalt	**1.1**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AK**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Chromium	**3.2 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AL**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Copper	**2.2**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AM**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Nickel	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AN**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02J91AP
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Selenium	**2.4 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AQ**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP001_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02J91AR
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Antimony	**0.14 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AT**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Vanadium	**0.12 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AU**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Zinc	**9.2**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02J91AV**
		Dilution Factor: 1		Analysis Time..: 23:00	MS Run #.....: 8298100	
Prep Batch #...: 8302032						
Mercury	**0.041 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02J91AW**
		Dilution Factor: 1		Analysis Time..: 09:20	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-012 **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**3.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AD**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KA1AE
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Arsenic	**0.48 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AF**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Barium	**0.11 B**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AG**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KA1AH
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KA1AJ
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Cobalt	ND	0.50	ug/L	SW846 6020	10/24-11/02/08	K02KA1AK
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Chromium	**3.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AL**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Copper	**0.44 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AM**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Nickel	**0.099 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AN**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KA1AP
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Selenium	**1.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AQ**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB001_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KA1AR
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Antimony	**0.10 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AT**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KA1AU
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	
Zinc	**2.3 B**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KA1AV**
		Dilution Factor: 1		Analysis Time..: 23:05	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.022 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02KA1AW**
		Dilution Factor: 1		Analysis Time..: 09:21	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-013 **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**3.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AD**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KE1AE
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Arsenic	**0.82 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AF**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Barium	**45.7**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AG**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KE1AH
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KE1AJ
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Cobalt	**0.80**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AK**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Chromium	**4.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AL**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Copper	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AM**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Nickel	**0.87 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AN**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KE1AP
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Selenium	**2.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AQ**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-11-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KE1AR
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Antimony	**0.12 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AT**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KE1AU
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	
Zinc	**4.3 B**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KE1AV**
		Dilution Factor: 1		Analysis Time..: 23:09	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.048 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02KE1AW**
		Dilution Factor: 1		Analysis Time..: 09:23	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-014 **Matrix.....:** WATER
Date Sampled...: 10/14/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**3.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AD**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KG1AE
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Arsenic	**0.43 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AF**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Barium	**11.7**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AG**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KG1AH
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KG1AJ
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Cobalt	ND	0.50	ug/L	SW846 6020	10/24-11/02/08	K02KG1AK
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Chromium	**4.4 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AL**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Copper	**0.93 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AM**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Nickel	**0.32 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AN**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KG1AP
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Selenium	**2.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AQ**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-26-20_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-014 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KG1AR
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Antimony	**0.17 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AT**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Vanadium	**0.47 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AU**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	
Zinc	**6.0**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KG1AV**
		Dilution Factor: 1		Analysis Time..: 23:13	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	ND	0.20	ug/L	SW846 7470A	10/28/08	K02KG1AW
		Dilution Factor: 1		Analysis Time..: 09:25	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-015 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**5.4 J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1AH**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KK1AL
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Arsenic	**0.67 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1AP**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Barium	**29.9**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1AT**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KK1AW
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Cadmium	**0.64 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1A1**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Cobalt	**1.1**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1A4**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Chromium	**3.5 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1A7**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Copper	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1CA**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Nickel	**2.1**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1CE**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KK1CH
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Selenium	**2.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1CL**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.065 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1CP**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Antimony	**0.37 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1CT**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02KK1CW
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	
Zinc	**8.2**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02KK1C1**
		Dilution Factor: 1		Analysis Time..: 23:32	MS Run #.....: 8298100	

Prep Batch #...: 8302032

Mercury	**0.048 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02KK1C4**
		Dilution Factor: 1		Analysis Time..: 09:26	MS Run #.....: 8302019	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-016 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**9.0 J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AD**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AE
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Arsenic	**0.54 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AF**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Barium	**41.5**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AG**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AH
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AJ
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Cobalt	**0.36 B**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AK**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Chromium	**6.1 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AL**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Copper	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AM**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Nickel	**0.89 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AN**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AP
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Selenium	**3.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K11AQ**
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-24-23_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-016 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.33 B	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AR
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Antimony	0.50 B	2.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AT
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AU
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Zinc	4.3 B	5.0	ug/L	SW846 6020	10/24-11/02/08	K02K11AV
		Dilution Factor: 1		Analysis Time..: 23:49	MS Run #.....: 8298100	
Prep Batch #...: 8302032						
Mercury	0.037 B,J	0.20	ug/L	SW846 7470A	10/28/08	K02K11AW
		Dilution Factor: 1		Analysis Time..: 09:31	MS Run #.....: 8302019	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-017 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8298196						
Tin	**3.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AD**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K71AE
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Arsenic	**0.38 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AF**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Barium	**3.1 B**	**10.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AG**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K71AH
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K71AJ
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Cobalt	**3.6**	**0.50**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AK**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Chromium	**5.1 J**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AL**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Copper	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AM**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Nickel	**11.2**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AN**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K71AP
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Selenium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AQ**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_10-08

DISSOLVED Metals

Lot-Sample #...: C8J160299-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.072 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AR**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Antimony	**0.20 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AT**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K02K71AU
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Zinc	**8.6**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K02K71AV**
		Dilution Factor: 1		Analysis Time..: 23:54	MS Run #.....: 8298100	
Prep Batch #...: 8302032						
Mercury	**0.043 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K02K71AW**
		Dilution Factor: 1		Analysis Time..: 09:33	MS Run #.....: 8302019	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J160299 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C8J240000-196 **Prep Batch #...:** 8298196						
Tin	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K1HRK1AA**
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Silver	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AC
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Arsenic	**0.35 B**	**1.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K1HRK1AD**
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Barium	ND	10.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AE
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Beryllium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AF
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Cadmium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AG
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Cobalt	ND	0.50	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AH
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Chromium	**0.47 B**	**2.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K1HRK1AJ**
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Copper	ND	2.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AK
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Nickel	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AL
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Lead	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AM
		Dilution Factor: 1				
		Analysis Time..: 21:55				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J160299 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**1.3 B**	**5.0**	**ug/L**	**SW846 6020**	**10/24-11/02/08**	**K1HRK1AN**
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Thallium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AP
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Antimony	ND	2.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AQ
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Vanadium	ND	1.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AR
		Dilution Factor: 1				
		Analysis Time..: 21:55				
Zinc	ND	5.0	ug/L	SW846 6020	10/24-11/02/08	K1HRK1AT
		Dilution Factor: 1				
		Analysis Time..: 21:55				

MB Lot-Sample #: C8J280000-032 **Prep Batch #...:** 8302032

Mercury	**0.040 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K1PRJ1AA**
		Dilution Factor: 1				
		Analysis Time..: 08:55				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J160299 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C8J240000-196 **Prep Batch #...:** 8298196					
Tin	95	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1AU
		Dilution Factor: 1	Analysis Time..: 21:59		
Silver	97	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1AV
		Dilution Factor: 1	Analysis Time..: 21:59		
Arsenic	93	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1AW
		Dilution Factor: 1	Analysis Time..: 21:59		
Barium	89	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1AX
		Dilution Factor: 1	Analysis Time..: 21:59		
Beryllium	100	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A0
		Dilution Factor: 1	Analysis Time..: 21:59		
Cadmium	96	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A1
		Dilution Factor: 1	Analysis Time..: 21:59		
Cobalt	98	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A2
		Dilution Factor: 1	Analysis Time..: 21:59		
Chromium	96	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A3
		Dilution Factor: 1	Analysis Time..: 21:59		
Copper	101	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A4
		Dilution Factor: 1	Analysis Time..: 21:59		
Nickel	99	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A5
		Dilution Factor: 1	Analysis Time..: 21:59		
Lead	90	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A6
		Dilution Factor: 1	Analysis Time..: 21:59		
Selenium	108	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A7
		Dilution Factor: 1	Analysis Time..: 21:59		
Thallium	88	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A8
		Dilution Factor: 1	Analysis Time..: 21:59		
Antimony	91	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1A9
		Dilution Factor: 1	Analysis Time..: 21:59		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J160299 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	93	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1CA
		Dilution Factor: 1	Analysis Time..: 21:59		
Zinc	98	(80 - 120)	SW846 6020	10/24-11/02/08	K1HRK1CC
		Dilution Factor: 1	Analysis Time..: 21:59		

LCS Lot-Sample#: C8J280000-032 **Prep Batch #...:** 8302032

Mercury	104	(80 - 120)	SW846 7470A	10/28/08	K1PRJ1AC
		Dilution Factor: 1	Analysis Time..: 08:59		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J160299 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8J160299-015 **Prep Batch #...:** 8298196							
Tin	93	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1AJ
	94	(75 - 125)	1.0	(0-20)	SW846 6020	10/24-11/02/08	K02KK1AK
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Silver	91	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1AM
	93	(75 - 125)	2.3	(0-20)	SW846 6020	10/24-11/02/08	K02KK1AN
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Arsenic	88	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1AQ
	89	(75 - 125)	1.0	(0-20)	SW846 6020	10/24-11/02/08	K02KK1AR
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Barium	88	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1AU
	90	(75 - 125)	1.9	(0-20)	SW846 6020	10/24-11/02/08	K02KK1AV
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Beryllium	97	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1AX
	98	(75 - 125)	1.1	(0-20)	SW846 6020	10/24-11/02/08	K02KK1A0
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Cadmium	93	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1A2
	94	(75 - 125)	0.90	(0-20)	SW846 6020	10/24-11/02/08	K02KK1A3
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Cobalt	93	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1A5
	94	(75 - 125)	1.2	(0-20)	SW846 6020	10/24-11/02/08	K02KK1A6
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J160299 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	91	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1A8
	93	(75 - 125)	1.8	(0-20)	SW846 6020	10/24-11/02/08	K02KK1A9
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Copper	91	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1CC
	92	(75 - 125)	0.78	(0-20)	SW846 6020	10/24-11/02/08	K02KK1CD
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Nickel	91	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1CF
	92	(75 - 125)	1.4	(0-20)	SW846 6020	10/24-11/02/08	K02KK1CG
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Lead	93	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1CJ
	95	(75 - 125)	1.9	(0-20)	SW846 6020	10/24-11/02/08	K02KK1CK
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Selenium	91	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1CM
	88	(75 - 125)	2.7	(0-20)	SW846 6020	10/24-11/02/08	K02KK1CN
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Thallium	90	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1CQ
	93	(75 - 125)	3.2	(0-20)	SW846 6020	10/24-11/02/08	K02KK1CR
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Antimony	91	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1CU
	92	(75 - 125)	1.5	(0-20)	SW846 6020	10/24-11/02/08	K02KK1CV
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J160299 **Matrix.....:** WATER
Date Sampled...: 10/15/08 **Date Received..:** 10/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	93	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1CX
	94	(75 - 125)	1.3	(0-20)	SW846 6020	10/24-11/02/08	K02KK1C0
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					
Zinc	88	(75 - 125)			SW846 6020	10/24-11/02/08	K02KK1C2
	90	(75 - 125)	1.7	(0-20)	SW846 6020	10/24-11/02/08	K02KK1C3
		Dilution Factor: 1					
		Analysis Time..: 23:41					
		MS Run #.....: 8298100					

MS Lot-Sample #: C8J160299-015 **Prep Batch #...:** 8302032

Mercury	100	(75 - 125)			SW846 7470A	10/28/08	K02KK1C5
	103	(75 - 125)	2.8	(0-20)	SW846 7470A	10/28/08	K02KK1C6
		Dilution Factor: 1					
		Analysis Time..: 09:28					
		MS Run #.....: 8302019					

NOTE(S):

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. GWM

Langan/USS Fairless Site

Lot #: C8J180168

Judd Herr

Langan Engineering & Environme
2700 Kelly Road
Suite 200
Warrington, PA 18976

TESTAMERICA LABORATORIES, INC.

Kathryn L. Bort
Project Manager

November 13, 2008

301 Alpha Drive Pittsburgh, PA 15238 **tel** 412.963.7058 **fax** 412.963.2468 **www.testamericainc.com**

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E87660)	WW	X
		HW	X
Illinois – NELAC	(#200005)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#93200)	WW	X
		HW	X
New Hampshire – NELAC	(#203002)	WW	X
		--	--
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

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CASE NARRATIVE

Langan

Lot # C8J180168

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on October 18, 2008. The coolers were received between 2.1 and 2.8 °C.

Sample MW1-10-32_10-08 was received but was not listed on the COC. The COC had the sample listed as MW1-10-30_10-08. The sample was logged in according to the label on the bottle MW1-10-32_10-08.

Sample MW3-02-27_10-08 was received but was not listed on the COC. It was logged in for analysis.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D in calibration verification standard AC5102708, was > 25% for 2-chloroethyl-vinyl ether (-25.64%), isobutanol (-34.29%), and vinyl acetate (-33.20%). These are within the expected performance range.

The %D in calibration verification standard CC5102408, was > 25% for acetone 36.46%. This is within the expected performance range.

Sample MW5-7-24_10-08 was analyzed at a dilution due to over range target compounds.

GC/MS Semivolatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

GC/MS Semivolatiles (cont.):
The %D in calibration verification standard S111108AMC, was > 25% for kepone (45.4%). This is within the expected performance range.

The %D 25% in calibration verification standard S110708AMC, was > 25% for kepone (26.8%). This is within the expected performance range.

The %D in calibration verification standard S111108AMC, was > 20% for 2-napthyhylamine, benzidine, and atrazine. These are were within expected performance range for these compounds:

The method blanks from batches 8297034 and 8312386 had compounds detected at concentrations between the MDL and the reporting limit. The results are flagged with a "J" qualifier. Sample results for these compounds, associated with these blanks are flagged with a "B" qualifier.

MW4-14-36_10-08 and MW4-14-36_10-08 required re-extraction due to low acid surrogate. The re-extractions were performed outside the recommended holding time and did not confirm initial analysis. MW4-14-36_10-08, trended low on the re-extraction but was within QC.

MW2-3-33-10-08 MS and/or MSD recoveries are outside criteria. Acceptable LCS analysis data demonstrate that the analytical system was operating in control and is most likely due to a matrix effect. Surrogate recoveries were outside control limits due to matrix effect. Because the MS/MSD confirmed each other, no re-extraction was performed.

The relative percent difference for 4-chloro-3-methylphenol and pentachlorophenol between the MS and MSD for MW2-3-33-10-08 was outside of the control limits.

Metals:
Analytes were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "B" qualifier. Sample results for these analytes are flagged with a "J" qualifier.

C8J180168

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Langan	brian McGuire		050838
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
PO Box 1569	215-491-6500	C8J180168	
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Doylestown / PA / 18901	J Cutrecks	E. Snyder	
Project Name and Location (State)	**Carrier/Waybill Number**		
US Steel Fairless Hills PA	TA Courier		
Contract/Purchase Order/Quote No.			
2634102			

Analysis (Attach list if more space is needed): Gross β; 62.7 PAC; Metals + Hg

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Special Instructions/ Conditions of Receipt
MW5-41.19_10-08	10.15.08	1510		X			2		1	3			
MW5-7.24_10-08	10.15.08	1710		X			2		1	3			
MW4-11-33_10-08	10.15.08	1600		X			2		1	3			
MW6.4-29_10-08	10.15.08	1445		X			2		1	3			
MW2.3.33_10.08	10.16.08	1000		X			2		1	3			
MW2.3.33_10.08_MSMSD	10.16.08	1000		X			4		2	6			
MW1-10.30-32_10-08 KLB 10/20/08	10.16.08	1200		X			2		1	3			
MW1.15.29-10.08 KLB 10/20/08	10.16.08	1410		X			2		1	3			
MW1.26.27-10-08	10.16.08	1540		X			2		1	3			
MW4.33.25-10.08 KLB 10/20/08	10.16.08	1655		X			2		1	3			
FB03_10-08	10.16.08	1755		X			2		1	3			
MW4-02.24_10-08	10.16.08	1430		X			2		1	3			

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify):

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	10.17.08	1615	1. [signature]	10/17/08	1615
2. [signature]	10/17/08	1800	2.		
3. [signature]			3. [signature]	10-18-08	1000

Comments: All samples to be analyzed for RCRA App IX list - Metals Dissolved + Field Filtered.

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Langan	Project Manager: Brain McGuire	Date:	Chain of Custody Number: 050839
Address: PO Box 1569	Telephone Number (Area Code)/Fax Number: 215-491-6500	Lab Number: C8J180168	Page ____ of ____
City: Doylestown; State: Pa; Zip Code: 18901	Site Contact: J Catrick; Lab Contact: E Snyder		
Project Name and Location (State): US Steel Fairless hills Pa	Carrier/Waybill Number: TA Carrier		
Contract/Purchase Order/Quote No.: 2634102			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260B	8270C	Metals + Hg	Special Instructions/ Conditions of Receipt
~~MW2-40~~ MW2-01-22_10-08	10.16.08	1630		X			2		1	3			X	X	X	
MW3-12-31_10.08	10.16.08	1005		X			2		1	3			X	X	X	
MW3-41-29_10.08	10.16.08	1130		X			2		1	3			X	X	X	
MW3-29-29_10.08	10.16.08	1015		X			2		1	3			X	X	X	
MW3-34-28_10.08	10.16.08	1400		X			2		1	3			X	X	X	
MW5-12-27_10.08	10.16.08	1600		X			2		1	3			X	X	X	
DUP002-10.08	10.16.08	—		X			2		1	3			X	X	X	
MW4-14-36_10.08	10.17.08	1040		X			2		1	3			X	X	X	
MW6-20-37_10.08	10.17.08	1200		X			2		1	3			X	X	X	
MW6-12-42_10.08	10.17.08	1325		X			2		1	3			X	X	X	
MW4-10-23_10.08	10.17.08	1040		X			2		1	3			X	X	X	
MW5-29-49_10.08	10.17.08	~~1220~~ 1353		X			2		1	3			X	X	X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	10.17.08	1600	1. Received By: [signature]	10/17/08	1815
2. Relinquished By: [signature]	10/18/08	1800	2. Received By:		
3. Relinquished By:			3. Received By: [signature]	10-18-08	1000

Comments: All Samples to be Analyzed for RCRA IX List - Metals Dissolved + Field Filtered.

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

C8J180168

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Langan	Brian McGuire		050841
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
PO Box 1569	215-491-6500	C8J180168	
City / State / Zip Code	**Site Contact / Lab Contact**		
Doylestown / PA / 18901	J. Cutlicks / L Snyder		
Project Name and Location (State)	**Carrier/Waybill Number**		
US Steel Fairless Hills PA	TA Courier		
Contract/Purchase Order/Quote No.			
2034102			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260B	8270C	Metals + Hg	Special Instructions/ Conditions of Receipt
MW5-28-31_10-08	10.17.08	1315		X			2		1	3			X	X	X	
MW5-28-31-10-08 MS MSD	10.17.08	1315		X			4		2	6			X	X	X	
MW5-27.17-10-08	10.17.08	1425		X			2		1	3			X	X	X	
MW1-02-31-10-08		1015		X			2		1	3			X	X	X	
MW5-23-42-10-08	10.17.08	1455		X			2		1	3			X	X	X	
MW5-21-20-10-08	10.17.08	1315		X			2		1	3			X	X	X	
MW5-22-32-10-08	10.17.08	1315		X			2		1	3			X	X	X	
DUP-003-10-08	10.17.08	—		X			2		1	3			X	X	X	
FB04-10-08	10.17.08	1530		X			2		1	3			X	X	X	
TB02-10-08	10.17.08	—		X						2			X			
				X												
				X												

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10.17.08	1615	1. Received By	10/17/08	1615
2. Relinquished By	10/17/08	1800	2. Received By		
3. Relinquished By			3. Received By	10-18-08	1000

Comments

All samples to be Analyzed for RCRA App IX List. Metals Field Filtered & Digested.

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHODS SUMMARY

C8J180168

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C8J180168

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K06CT	001	MW5-41-19_10-08	10/15/08	15:10
K06C3	002	MW5-7-24_10-08	10/15/08	17:10
K06C4	003	MW4-11-33_10-08	10/15/08	16:00
K06C7	004	MW6-4-29_10-08	10/15/08	14:45
K06C8	005	MW2-3-33_10-08	10/16/08	10:00
K06DD	006	MW1-10-32_10-08	10/16/08	12:00
K06DK	007	MW1-15-29_10-08	10/16/08	14:10
K06DV	008	MW1-26-27_10-08	10/16/08	15:40
K06D1	009	MW4-33-25_10-08	10/16/08	16:55
K06D4	010	FB03_10-08	10/16/08	17:55
K06EF	011	MW4-02-24_10-08	10/16/08	14:30
K06EJ	012	MW2-01-22_10-08	10/16/08	16:30
K06EM	013	MW3-12-31_10-08	10/16/08	10:05
K06EN	014	MW3-41-29_10-08	10/16/08	11:30
K06EP	015	MW3-29-29_10-08	10/16/08	10:15
K06EQ	016	MW3-34-28_10-08	10/16/08	14:00
K06ER	017	MW5-12-27_10-08	10/16/08	16:00
K06E0	018	DUP002_10-08	10/16/08	
K06FA	019	MW4-14-36_10-08	10/17/08	10:40
K06FG	020	MW6-20-37_10-08	10/17/08	12:00
K06FJ	021	MW6-12-42_10-08	10/17/08	13:25
K06FK	022	MW4-10-23_10-08	10/17/08	10:40
K06FL	023	MW5-29-49_10-08	10/17/08	13:55
K06FM	024	MW5-28-31_10-08	10/17/08	13:15
K06FQ	025	MW5-27-17_10-08	10/17/08	14:25
K06FV	026	MW1-02-31_10-08	10/17/08	10:15
K06F0	027	MW5-23-42_10-08	10/17/08	14:55
K06F3	028	MW5-21-20_10-08	10/17/08	14:30
K06F4	029	MW5-22-32_10-08	10/17/08	13:15
K06F5	030	DUP-003_10-08	10/17/08	
K06F9	031	FB04_10-08	10/17/08	15:30
K06GA	032	TB02_10-08	10/17/08	
K06J4	033	MW3-02-27_10-08	10/16/08	12:10

(Continued on next page)

SAMPLE SUMMARY

C8J180168

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-001 **Work Order #...:** K06CT1AA **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 15:46
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-001 **Work Order #...:** K06CT1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-002 **Work Order #...:** K06C31AA **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 16:09
Dilution Factor: 25

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	75	ug/L
Acetone	ND	120	ug/L
Acetonitrile	ND	500	ug/L
Acrolein	ND	500	ug/L
Acrylonitrile	ND	500	ug/L
Allyl chloride	ND	25	ug/L
Benzene	**490**	**25**	**ug/L**
Bromodichloromethane	ND	25	ug/L
Bromoform	ND	25	ug/L
Bromomethane	ND	25	ug/L
2-Butanone (MEK)	ND	120	ug/L
Carbon disulfide	ND	25	ug/L
Carbon tetrachloride	ND	25	ug/L
Chlorobenzene	ND	25	ug/L
Chloroethane	ND	25	ug/L
Chloroform	ND	25	ug/L
Chloromethane	ND	25	ug/L
Chloroprene	ND	25	ug/L
Dibromochloromethane	ND	25	ug/L
1,2-Dibromo-3-chloro-propane	ND	25	ug/L
1,2-Dibromoethane (EDB)	ND	25	ug/L
Dibromomethane	ND	25	ug/L
trans-1,4-Dichloro-2-butene	ND	25	ug/L
Dichlorodifluoromethane	ND	25	ug/L
1,1-Dichloroethane	ND	25	ug/L
1,2-Dichloroethane	ND	25	ug/L
1,1-Dichloroethene	ND	25	ug/L
trans-1,2-Dichloroethene	ND	25	ug/L
1,2-Dichloropropane	ND	25	ug/L
cis-1,3-Dichloropropene	ND	25	ug/L
trans-1,3-Dichloropropene	ND	25	ug/L
1,4-Dioxane	ND	5000	ug/L
Ethylbenzene	ND	25	ug/L
Ethyl methacrylate	ND	25	ug/L
2-Hexanone	ND	120	ug/L
Iodomethane	ND	25	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-002 **Work Order #...:** K06C31AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	1000	ug/L
Methacrylonitrile	ND	25	ug/L
Methylene chloride	ND	25	ug/L
Methyl methacrylate	ND	25	ug/L
4-Methyl-2-pentanone (MIBK)	ND	120	ug/L
Propionitrile	ND	50	ug/L
Styrene	ND	25	ug/L
1,1,1,2-Tetrachloroethane	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
Tetrachloroethene	ND	25	ug/L
Toluene	ND	25	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Trichloroethene	ND	25	ug/L
Trichlorofluoromethane	ND	25	ug/L
1,2,3-Trichloropropane	ND	25	ug/L
Vinyl acetate	ND	25	ug/L
Vinyl chloride	ND	25	ug/L
o-Xylene	ND	25	ug/L
m-Xylene & p-Xylene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-003
Date Sampled...: 10/15/08
Prep Date.....: 10/24/08
Prep Batch #...: 8298314
Dilution Factor: 1

Work Order #...: K06C41AA
Date Received..: 10/18/08
Analysis Date..: 10/24/08
Analysis Time..: 16:55

Matrix.....: W
MS Run #.....: 8298167

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	**1.4**	**1.0**	**ug/L**
1,1-Dichloroethane	**2.6**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	**0.39 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-003 **Work Order #...:** K06C41AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.40 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**2.7**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-004 **Work Order #...:** K06C71AA **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 17:19
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.50 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-004 **Work Order #...:** K06C71AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	109	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-005 **Work Order #...:** K06C81AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 10:05
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.6 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-005 **Work Order #...:** K06C81AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-006 **Work Order #...:** K06DD1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 16:23
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.2 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-006 **Work Order #...:** K06DD1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-007 **Work Order #...:** K06DK1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 16:46
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.1 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-007 **Work Order #...:** K06DK1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	91	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-008 **Work Order #...:** K06DV1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 17:09
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**9.1**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**1.7 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.28 J**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	**0.48 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-008 **Work Order #...:** K06DV1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-009
Date Sampled...: 10/16/08
Prep Date.....: 10/27/08
Prep Batch #...: 8301401
Dilution Factor: 1

Work Order #...: K06D11AA
Date Received..: 10/18/08
Analysis Date..: 10/27/08
Analysis Time..: 17:32

Matrix.....: W
MS Run #.....: 8301280

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**8.6**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	**0.31 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-009 **Work Order #...:** K06D11AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	104	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-010
Date Sampled...: 10/16/08
Prep Date.....: 10/27/08
Prep Batch #...: 8301401
Dilution Factor: 1

Work Order #...: K06D41AA
Date Received..: 10/18/08
Analysis Date..: 10/27/08
Analysis Time..: 14:38

Matrix.....: W
MS Run #.....: 8301280

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-010 **Work Order #...:** K06D41AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**1.5**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-011 **Work Order #...:** K06EF1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 18:19
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.3 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-011 **Work Order #...:** K06EF1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-012
Date Sampled...: 10/16/08
Prep Date.....: 10/27/08
Prep Batch #...: 8301401
Dilution Factor: 1

Work Order #...: K06EJ1AA
Date Received..: 10/18/08
Analysis Date..: 10/27/08
Analysis Time..: 18:42

Matrix.....: W
MS Run #.....: 8301280

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	**0.28 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-012 **Work Order #...:** K06EJ1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-013
Date Sampled...: 10/16/08
Prep Date.....: 10/27/08
Prep Batch #...: 8301401
Dilution Factor: 1

Work Order #...: K06EM1AA
Date Received..: 10/18/08
Analysis Date..: 10/27/08
Analysis Time..: 19:05

Matrix.....: W
MS Run #.....: 8301280

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-013 **Work Order #...:** K06EM1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.25 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	**0.56 J**	**1.0**	**ug/L**
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-014 **Work Order #...:** K06EN1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 19:28
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-014 **Work Order #...:** K06EN1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	95	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-015 **Work Order #...:** K06EP1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 19:51
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-015 **Work Order #...:** K06EP1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-016 **Work Order #...:** K06EQ1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 20:14
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-016 **Work Order #...:** K06EQ1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	104	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-017 **Work Order #...:** K06ER1AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 20:37
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.5 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-017 **Work Order #...:** K06ER1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-018 **Work Order #...:** K06E01AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 21:01
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.3 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-018 **Work Order #...:** K06E01AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA1AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 21:47
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.5 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-020
Date Sampled...: 10/17/08
Prep Date.....: 10/28/08
Prep Batch #...: 8302208
Dilution Factor: 1

Work Order #...: K06FG1AA
Date Received..: 10/18/08
Analysis Date..: 10/28/08
Analysis Time..: 11:31

Matrix.....: W
MS Run #.....: 8302123

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**5.5**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-020 **Work Order #...:** K06FG1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	88	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-021 **Work Order #...:** K06FJ1AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 22:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.6 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-021 **Work Order #...:** K06FJ1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-022 **Work Order #...:** K06FK1AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 22:57
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.0 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-022 **Work Order #...:** K06FK1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-023
Date Sampled...: 10/17/08
Prep Date.....: 10/28/08
Prep Batch #...: 8302208
Dilution Factor: 1

Work Order #...: K06FL1AA
Date Received..: 10/18/08
Analysis Date..: 10/28/08
Analysis Time..: 11:54

Matrix.....: W
MS Run #.....: 8302123

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-023 **Work Order #...:** K06FL1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	104	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-024 **Work Order #...:** K06FM1AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 14:15
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-024 **Work Order #...:** K06FM1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-025 **Work Order #...:** K06FQ1AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 14:36
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-025 **Work Order #...:** K06FQ1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	97	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-026 **Work Order #...:** K06FV1AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 12:40
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**5.7**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	**0.36 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-026 **Work Order #...:** K06FV1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-027 **Work Order #...:** K06F01AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 13:03
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-027 **Work Order #...:** K06F01AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	96	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-028 **Work Order #...:** K06F31AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 13:27
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-028 **Work Order #...:** K06F31AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F41AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 13:50
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F41AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-030 **Work Order #...:** K06F51AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 14:13
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**4.5 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**1.1 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	**0.33 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-030 **Work Order #...:** K06F51AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-031 **Work Order #...:** K06F91AA **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 21:24
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.8 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-031 **Work Order #...:** K06F91AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**1.3**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: TB02_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-032
Date Sampled...: 10/17/08
Prep Date.....: 10/27/08
Prep Batch #...: 8301401
Dilution Factor: 1

Work Order #...: K06GA1AA
Date Received..: 10/18/08
Analysis Date..: 10/27/08
Analysis Time..: 17:55

Matrix.....: W
MS Run #.....: 8301280

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.3 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: TB02_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-032 **Work Order #...:** K06GA1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**2.0**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-033 **Work Order #...:** K06J41AA **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 14:59
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**5.4**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	**0.31 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J180168-033 **Work Order #...:** K06J41AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1JC01AA **Matrix.....:** WATER
MB Lot-Sample #: C8J240000-314

Prep Date.....: 10/24/08 **Analysis Time..:** 09:31
Analysis Date..: 10/24/08 **Prep Batch #...:** 8298314
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1JC01AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1N731AA **Matrix.....:** WATER
MB Lot-Sample #: C8J270000-401

Prep Date.....: 10/27/08 **Analysis Time..:** 13:40
Analysis Date..: 10/27/08 **Prep Batch #...:** 8301401
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1N731AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	85	(64 - 135)
4-Bromofluorobenzene	91	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1P5W1AA **Matrix.....:** WATER
MB Lot-Sample #: C8J280000-208

Prep Date.....: 10/28/08 **Analysis Time..:** 08:32
Analysis Date..: 10/28/08 **Prep Batch #...:** 8302208
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1P5W1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1JC01AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J240000-314
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 10:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**94**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**93**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(65 - 136)**	**SW846 8260B**
Toluene	**96**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**93**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	103	(70 - 118)
Dibromofluoromethane	94	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1N731AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J270000-401
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 15:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**107**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**99**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**124**	**(65 - 136)**	**SW846 8260B**
Toluene	**95**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**104**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(71 - 118)
1,2-Dichloroethane-d4	97	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1P5W1AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J280000-208
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 10:07
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**97**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**106**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**109**	**(65 - 136)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**98**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K06C81AX-MS **Matrix.....:** W
MS Lot-Sample #: C8J180168-005 K06C81A0-MSD
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8298167
Prep Date.....: 10/24/08 **Analysis Date..:** 10/24/08
Prep Batch #...: 8298314 **Analysis Time..:** 11:16
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	96	**(80 - 120)**	**0.30**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**95**	**(80 - 120)**			**SW846 8260B**
	97	**(80 - 120)**	**2.5**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(65 - 136)**			**SW846 8260B**
	103	**(65 - 136)**	**3.3**	**(0-35)**	**SW846 8260B**
Toluene	**95**	**(80 - 123)**			**SW846 8260B**
	97	**(80 - 123)**	**2.5**	**(0-35)**	**SW846 8260B**
Trichloroethene	**95**	**(73 - 120)**			**SW846 8260B**
	95	**(73 - 120)**	**0.12**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
	105	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
	94	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
	104	(70 - 118)
Dibromofluoromethane	98	(70 - 128)
	97	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K06FM1AC-MS **Matrix.....:** W
MS Lot-Sample #: C8J180168-024 K06FM1AD-MSD
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8301280
Prep Date.....: 10/27/08 **Analysis Date..:** 10/27/08
Prep Batch #...: 8301401 **Analysis Time..:** 15:24
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	101	**(80 - 120)**	**4.6**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**99**	**(80 - 120)**			**SW846 8260B**
	104	**(80 - 120)**	**5.0**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**113**	**(65 - 136)**			**SW846 8260B**
	114	**(65 - 136)**	**0.87**	**(0-35)**	**SW846 8260B**
Toluene	**93**	**(80 - 123)**			**SW846 8260B**
	99	**(80 - 123)**	**6.2**	**(0-35)**	**SW846 8260B**
Trichloroethene	**95**	**(73 - 120)**			**SW846 8260B**
	102	**(73 - 120)**	**7.2**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(71 - 118)
	102	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
	94	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
	99	(70 - 118)
Dibromofluoromethane	101	(70 - 128)
	104	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J180168 **Work Order #...:** K1EDV1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: C8J220361-008 K1EDV1AD-MSD
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 10:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	90	**(80 - 120)**	**5.8**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**106**	**(80 - 120)**			**SW846 8260B**
	102	**(80 - 120)**	**3.7**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(65 - 136)**			**SW846 8260B**
	98	**(65 - 136)**	**9.7**	**(0-35)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**			**SW846 8260B**
	95	**(80 - 123)**	**5.2**	**(0-35)**	**SW846 8260B**
Trichloroethene	**99**	**(73 - 120)**			**SW846 8260B**
	93	**(73 - 120)**	**6.4**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
	97	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
	96	(64 - 135)
4-Bromofluorobenzene	93	(70 - 118)
	95	(70 - 118)
Dibromofluoromethane	100	(70 - 128)
	98	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-001 **Work Order #...:** K06CT1AC **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8297034 **Analysis Time..:** 19:01
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.59 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.19 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.079 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-001 **Work Order #...:** K06CT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-001 **Work Order #...:** K06CT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.12 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-001 **Work Order #...:** K06CT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	86	(23 - 112)
Terphenyl-d14	82	(10 - 132)
2-Fluorobiphenyl	84	(19 - 107)
2-Fluorophenol	62	(10 - 111)
Phenol-d5	74	(15 - 112)
2,4,6-Tribromophenol	95	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-41-19_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-001 **Work Order #:** K06CT1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-002 **Work Order #...:** K06C31AC **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 17:45
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.69**	**0.20**	**ug/L**
Acenaphthylene	**0.59**	**0.20**	**ug/L**
Acetophenone	**0.11 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**1.0**	**1.0**	**ug/L**
Anthracene	**0.14 J**	**0.20**	**ug/L**
Benzo(a)anthracene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**0.48 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.34 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.20	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.20	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Dibenzofuran	**0.15 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	0.20	ug/L
1,3-Dichlorobenzene	ND	0.20	ug/L
1,4-Dichlorobenzene	ND	0.20	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.20	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-002 **Work Order #...:** K06C31AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.20	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**2.1**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.47**	**0.20**	**ug/L**
Fluorene	**0.29**	**0.20**	**ug/L**
Hexachlorobenzene	ND	0.20	ug/L
Hexachlorobutadiene	ND	0.20	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.0	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.29**	**0.20**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**3.0**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.86 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-002 **Work Order #...:** K06C31AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**22**	**0.20**	**ug/L**
1,4-Naphthoquinone	**0.90 J**	**1.0**	**ug/L**
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	**0.62 J**	**1.0**	**ug/L**
2-Nitroaniline	ND	5.0	ug/L
3-Nitroaniline	ND	5.0	ug/L
4-Nitroaniline	ND	5.0	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.20	ug/L
N-Nitrosodiphenylamine	ND	0.20	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.0	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.26 B**	**0.20**	**ug/L**
Phenol	**1.3**	**0.20**	**ug/L**
p-Phenylene diamine	ND	40	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.10 J**	**0.20**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-002 **Work Order #...:** K06C31AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	**1.3**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	0.20	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(23 - 112)
Terphenyl-d14	58	(10 - 132)
2-Fluorobiphenyl	84	(19 - 107)
2-Fluorophenol	56	(10 - 111)
Phenol-d5	64	(15 - 112)
2,4,6-Tribromophenol	99	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-7-24_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-002 **Work Order #:** K06C31AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-003 **Work Order #...:** K06C41AC **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8297034 **Analysis Time..:** 19:42
Dilution Factor: 1.02

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.062 J**	**0.20**	**ug/L**
Acenaphthylene	ND	0.20	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.055 J**	**0.20**	**ug/L**
Benzo(a)anthracene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**0.33 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.24 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.20	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.20	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
1,2-Dichlorobenzene	**0.079 J**	**0.20**	**ug/L**
1,3-Dichlorobenzene	ND	0.20	ug/L
1,4-Dichlorobenzene	ND	0.20	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.20	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-003 **Work Order #...:** K06C41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.20	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.1	ug/L
2,4-Dinitrophenol	ND	5.1	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.40**	**0.20**	**ug/L**
Fluorene	ND	0.20	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Hexachlorobutadiene	ND	0.20	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-003 **Work Order #...:** K06C41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.090 J**	**0.20**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.1	ug/L
3-Nitroaniline	ND	5.1	ug/L
4-Nitroaniline	ND	5.1	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.1	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.20	ug/L
N-Nitrosodiphenylamine	ND	0.20	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.0	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.12 J,B**	**0.20**	**ug/L**
Phenol	**0.035 J**	**0.20**	**ug/L**
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.20	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-003 **Work Order #...:** K06C41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	**0.062 J**	**0.20**	**ug/L**
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(23 - 112)
Terphenyl-d14	52	(10 - 132)
2-Fluorobiphenyl	80	(19 - 107)
2-Fluorophenol	47	(10 - 111)
Phenol-d5	63	(15 - 112)
2,4,6-Tribromophenol	96	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-11-33_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-003 **Work Order #:** K06C41AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-004 **Work Order #...:** K06C71AC **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8297034 **Analysis Time..:** 20:03
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.17 J**	**0.21**	**ug/L**
Acenaphthylene	**0.12 J**	**0.21**	**ug/L**
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.52**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.77**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.96**	**0.21**	**ug/L**
Benzo(b)fluoranthene	**1.1**	**0.21**	**ug/L**
Benzo(ghi)perylene	**1.2**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**1.3**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	**0.19 J**	**1.0**	**ug/L**
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.3**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	**0.32 J**	**1.0**	**ug/L**
Butyl benzyl phthalate	**1.2**	**1.0**	**ug/L**
4-Chloroaniline	**0.40 J**	**1.0**	**ug/L**
4-Chloro-3-methylphenol	**0.38 J**	**1.0**	**ug/L**
2-Chloronaphthalene	**0.14 J**	**0.21**	**ug/L**
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	**0.19 J**	**1.0**	**ug/L**
Chrysene	**0.85**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	**1.3**	**0.21**	**ug/L**
Dibenzofuran	**0.26 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.82 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.060 J**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	**0.31**	**0.21**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-004 **Work Order #...:** K06C71AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.63 J**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	**0.42 J**	**1.0**	**ug/L**
Di-n-octyl phthalate	**1.4**	**1.0**	**ug/L**
1,3-Dinitrobenzene	**0.35 J**	**1.0**	**ug/L**
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	**1.6 J**	**5.2**	**ug/L**
2,4-Dinitrotoluene	**0.56 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	**0.42 J**	**1.0**	**ug/L**
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**1.1**	**0.21**	**ug/L**
Fluorene	**0.25**	**0.21**	**ug/L**
Hexachlorobenzene	**0.27**	**0.21**	**ug/L**
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**1.3**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	**0.087 J**	**1.0**	**ug/L**
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.11 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.13 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.52 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-004 **Work Order #...:** K06C71AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.13 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	**0.62 J**	**5.2**	**ug/L**
3-Nitroaniline	**0.58 J**	**5.2**	**ug/L**
4-Nitroaniline	**0.57 J**	**5.2**	**ug/L**
Nitrobenzene	**0.14 J**	**0.21**	**ug/L**
2-Nitrophenol	**0.11 J**	**1.0**	**ug/L**
4-Nitrophenol	**1.7 J**	**5.2**	**ug/L**
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	**0.50**	**0.21**	**ug/L**
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	**0.80 J**	**1.0**	**ug/L**
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.72 B**	**0.21**	**ug/L**
Phenol	**0.32**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.98**	**0.21**	**ug/L**
Pyridine	**0.15 J**	**1.0**	**ug/L**
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-004 **Work Order #...:** K06C71AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	**0.38 J**	**1.0**	**ug/L**
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	**0.048 J**	**0.21**	**ug/L**
2,4,5-Trichloro-phenol	**0.44 J**	**1.0**	**ug/L**
2,4,6-Trichloro-phenol	**0.22 J**	**1.0**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	84	(23 - 112)
Terphenyl-d14	81	(10 - 132)
2-Fluorobiphenyl	86	(19 - 107)
2-Fluorophenol	54	(10 - 111)
Phenol-d5	70	(15 - 112)
2,4,6-Tribromophenol	92	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-4-29_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-004 **Work Order #:** K06C71AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-005 **Work Order #...:** K06C81AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8297034 **Analysis Time..:** 17:59
Dilution Factor: 1.03

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.082 J**	**0.21**	**ug/L**
Acenaphthylene	**0.060 J**	**0.21**	**ug/L**
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.17 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.18 J**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.57**	**0.21**	**ug/L**
Benzo(b)fluoranthene	**0.66**	**0.21**	**ug/L**
Benzo(ghi)perylene	**0.64**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**0.76**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.52 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	**0.12 J**	**1.0**	**ug/L**
Butyl benzyl phthalate	**0.42 J**	**1.0**	**ug/L**
4-Chloroaniline	**0.68 J**	**1.0**	**ug/L**
4-Chloro-3-methylphenol	**0.28 J**	**1.0**	**ug/L**
2-Chloronaphthalene	**0.067 J**	**0.21**	**ug/L**
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	**0.079 J**	**1.0**	**ug/L**
Chrysene	**0.20 J**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	**0.95**	**0.21**	**ug/L**
Dibenzofuran	**0.12 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.28 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	**0.20 J**	**0.21**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-005 **Work Order #...:** K06C81AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.28 J**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.12 J**	**1.0**	**ug/L**
Dimethyl phthalate	**0.18 J**	**1.0**	**ug/L**
Di-n-octyl phthalate	**0.60 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	**1.7 J**	**5.2**	**ug/L**
2,4-Dinitrotoluene	**0.18 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	**0.19 J**	**1.0**	**ug/L**
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.52**	**0.21**	**ug/L**
Fluorene	**0.11 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**0.90**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.088 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.13 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.37 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-005 **Work Order #...:** K06C81AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.11 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	**0.37 J**	**5.2**	**ug/L**
3-Nitroaniline	**0.56 J**	**5.2**	**ug/L**
4-Nitroaniline	**0.40 J**	**5.2**	**ug/L**
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	**0.082 J**	**1.0**	**ug/L**
4-Nitrophenol	**1.8 J**	**5.2**	**ug/L**
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	**0.20 J**	**0.21**	**ug/L**
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	**0.063 J**	**0.21**	**ug/L**
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	**0.63 J**	**1.0**	**ug/L**
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.29 B**	**0.21**	**ug/L**
Phenol	**0.21**	**0.21**	**ug/L**
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.22**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-005 **Work Order #...:** K06C81AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	**0.24 J**	**1.0**	**ug/L**
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	**0.42 J**	**1.0**	**ug/L**
2,4,6-Trichloro-phenol	**0.14 J**	**1.0**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	80	(23 - 112)
Terphenyl-d14	58	(10 - 132)
2-Fluorobiphenyl	80	(19 - 107)
2-Fluorophenol	38	(10 - 111)
Phenol-d5	51	(15 - 112)
2,4,6-Tribromophenol	55	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW2-3-33_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-005 **Work Order #:** K06C81AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-006 **Work Order #...:** K06DD1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 18:06
Dilution Factor: 1.02

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.20	ug/L
Acenaphthylene	ND	0.20	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.076 J**	**0.20**	**ug/L**
Benzo(a)anthracene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Benzo(b)fluoranthene	**0.63**	**0.20**	**ug/L**
Benzo(ghi)perylene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**0.39 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.39 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.20	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.20	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Dibenzofuran	**0.056 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.21 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.20	ug/L
1,3-Dichlorobenzene	ND	0.20	ug/L
1,4-Dichlorobenzene	ND	0.20	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.20	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-006 **Work Order #...:** K06DD1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.20	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.45 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.1	ug/L
2,4-Dinitrophenol	ND	5.1	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.42**	**0.20**	**ug/L**
Fluorene	ND	0.20	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Hexachlorobutadiene	ND	0.20	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.098 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-006 **Work Order #...:** K06DD1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.058 J**	**0.20**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	**0.12 J**	**5.1**	**ug/L**
3-Nitroaniline	**0.057 J**	**5.1**	**ug/L**
4-Nitroaniline	ND	5.1	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	**0.71 J**	**5.1**	**ug/L**
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.20	ug/L
N-Nitrosodiphenylamine	ND	0.20	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.0	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	**0.19 J**	**1.0**	**ug/L**
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.14 J,B**	**0.20**	**ug/L**
Phenol	**0.096 J**	**0.20**	**ug/L**
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.13 J**	**0.20**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	**MIS,SIN,G**	**1.0**	**ug/L**
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-006 **Work Order #...:** K06DD1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.20	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(23 - 112)
Terphenyl-d14	54	(10 - 132)
2-Fluorobiphenyl	85	(19 - 107)
2-Fluorophenol	33	(10 - 111)
Phenol-d5	49	(15 - 112)
2,4,6-Tribromophenol	41	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Langan Engineering & Environmental Srvcs

MW1-10-32_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-006 **Work Order #:** K06DD1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-007 **Work Order #...:** K06DK1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/07/08
Prep Batch #...: 8297034 **Analysis Time..:** 16:44
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.065 J**	**0.22**	**ug/L**
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	**0.55**	**0.22**	**ug/L**
Benzo(b)fluoranthene	**0.67**	**0.22**	**ug/L**
Benzo(ghi)perylene	**0.61**	**0.22**	**ug/L**
Benzo(k)fluoranthene	**0.74**	**0.22**	**ug/L**
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.40 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.11 J**	**0.22**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	**0.98**	**0.22**	**ug/L**
Dibenzofuran	**0.064 J**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.21 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-007 **Work Order #...:** K06DK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.47 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.49**	**0.22**	**ug/L**
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	**0.93**	**0.22**	**ug/L**
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-007 **Work Order #...:** K06DK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.070 J**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	**0.055 J**	**5.4**	**ug/L**
3-Nitroaniline	**0.061 J**	**5.4**	**ug/L**
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	**0.67 J**	**5.4**	**ug/L**
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	**0.096 J**	**1.1**	**ug/L**
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.19 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.12 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-007 **Work Order #...:** K06DK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	85	(23 - 112)
Terphenyl-d14	58	(10 - 132)
2-Fluorobiphenyl	98	(19 - 107)
2-Fluorophenol	60	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	98	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-15-29_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-007 **Work Order #:** K06DK1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-008 **Work Order #...:** K06DV1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8297034 **Analysis Time..:** 21:04
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.27 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.10 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	**0.099 J**	**0.22**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-008 **Work Order #...:** K06DV1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	**3.5 J**	**11**	**ug/L**
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-008 **Work Order #...:** K06DV1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.10 J**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.16 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-008 **Work Order #...:** K06DV1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	**0.13 J**	**1.1**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(23 - 112)
Terphenyl-d14	79	(10 - 132)
2-Fluorobiphenyl	82	(19 - 107)
2-Fluorophenol	25	(10 - 111)
Phenol-d5	41	(15 - 112)
2,4,6-Tribromophenol	57	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-26-27_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-008 **Work Order #:** K06DV1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-009 **Work Order #...:** K06D11AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 18:27
Dilution Factor: 1.22

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**2.7**	**0.24**	**ug/L**
Acenaphthylene	ND	0.24	ug/L
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	ND	1.2	ug/L
Anthracene	ND	0.24	ug/L
Benzo(a)anthracene	ND	0.24	ug/L
Benzo(a)pyrene	ND	0.24	ug/L
Benzo(b)fluoranthene	ND	0.24	ug/L
Benzo(ghi)perylene	ND	0.24	ug/L
Benzo(k)fluoranthene	ND	0.24	ug/L
Benzyl alcohol	ND	1.2	ug/L
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.24	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.2	ug/L
4-Bromophenyl phenyl ether	ND	1.2	ug/L
Butyl benzyl phthalate	**0.40 J**	**1.2**	**ug/L**
4-Chloroaniline	ND	1.2	ug/L
4-Chloro-3-methylphenol	ND	1.2	ug/L
2-Chloronaphthalene	ND	0.24	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	ND	0.24	ug/L
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	ND	0.24	ug/L
Dibenzofuran	ND	1.2	ug/L
Di-n-butyl phthalate	ND	1.2	ug/L
1,2-Dichlorobenzene	ND	0.24	ug/L
1,3-Dichlorobenzene	ND	0.24	ug/L
1,4-Dichlorobenzene	ND	0.24	ug/L
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	ND	0.24	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-009 **Work Order #...:** K06D11AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.24	ug/L
Diethyl phthalate	ND	1.2	ug/L
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethyl-amine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	ND	1.2	ug/L
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	6.1	ug/L
2,4-Dinitrophenol	ND	6.1	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	ND	1.2	ug/L
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	**0.49**	**0.24**	**ug/L**
Fluorene	ND	0.24	ug/L
Hexachlorobenzene	ND	0.24	ug/L
Hexachlorobutadiene	ND	0.24	ug/L
Hexachlorocyclopenta-diene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.24	ug/L
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.9	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	ND	0.24	ug/L
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-009 **Work Order #...:** K06D11AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.24	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	ND	6.1	ug/L
3-Nitroaniline	ND	6.1	ug/L
4-Nitroaniline	ND	6.1	ug/L
Nitrobenzene	ND	0.24	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	ND	6.1	ug/L
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.24	ug/L
N-Nitrosodiphenylamine	ND	0.24	ug/L
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.24	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.4	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	ND	1.2	ug/L
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.18 J,B**	**0.24**	**ug/L**
Phenol	ND	0.24	ug/L
p-Phenylene diamine	ND	49	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	**0.094 J**	**0.24**	**ug/L**
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-009 **Work Order #...:** K06D11AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.24	ug/L
2,4,5-Trichloro-phenol	ND	1.2	ug/L
2,4,6-Trichloro-phenol	ND	1.2	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(23 - 112)
Terphenyl-d14	25	(10 - 132)
2-Fluorobiphenyl	75	(19 - 107)
2-Fluorophenol	28	(10 - 111)
Phenol-d5	48	(15 - 112)
2,4,6-Tribromophenol	84	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-33-25_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-009 **Work Order #:** K06D11AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-010 **Work Order #...:** K06D41AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 18:47
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.30 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.38 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.17 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-010 **Work Order #...:** K06D41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-010 **Work Order #...:** K06D41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.050 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.069 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-010 **Work Order #...:** K06D41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	59	(23 - 112)
Terphenyl-d14	119	(10 - 132)
2-Fluorobiphenyl	59	(19 - 107)
2-Fluorophenol	42	(10 - 111)
Phenol-d5	46	(15 - 112)
2,4,6-Tribromophenol	60	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

FB03_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-010 **Work Order #:** K06D41AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-011 **Work Order #...:** K06EF1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 19:08
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.66 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.26 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.099 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-011 **Work Order #...:** K06EF1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.072 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.49 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopenta-diene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-011 **Work Order #...:** K06EF1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.13 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-011 **Work Order #...:** K06EF1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(23 - 112)
Terphenyl-d14	61	(10 - 132)
2-Fluorobiphenyl	91	(19 - 107)
2-Fluorophenol	42	(10 - 111)
Phenol-d5	52	(15 - 112)
2,4,6-Tribromophenol	86	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-02-24_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-011 **Work Order #:** K06EF1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-012 **Work Order #...:** K06EJ1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 19:29
Dilution Factor: 1.03

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.30 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.074 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-012 **Work Order #...:** K06EJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.39**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.12 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-012 **Work Order #...:** K06EJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.14 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-012 **Work Order #...:** K06EJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	67	(23 - 112)
Terphenyl-d14	33	(10 - 132)
2-Fluorobiphenyl	78	(19 - 107)
2-Fluorophenol	44	(10 - 111)
Phenol-d5	54	(15 - 112)
2,4,6-Tribromophenol	88	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW2-01-22_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-012 **Work Order #:** K06EJ1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-013 **Work Order #...:** K06EM1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 19:49
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.20 J**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.12 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**7.5**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.22 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.13 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.067 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-013 **Work Order #...:** K06EM1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.14 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	**0.65 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.48**	**0.21**	**ug/L**
Fluorene	**0.11 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.24**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.23 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.90 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-013 **Work Order #...:** K06EM1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.55**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	**0.17 J**	**0.21**	**ug/L**
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	**1.2**	**1.0**	**ug/L**
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.43 B**	**0.21**	**ug/L**
Phenol	**0.22**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.12 J**	**0.21**	**ug/L**
Pyridine	**0.37 J**	**1.0**	**ug/L**
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-013 **Work Order #...:** K06EM1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	**0.81 J**	**1.0**	**ug/L**
2,4,6-Trichloro-phenol	**0.24 J**	**1.0**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(23 - 112)
Terphenyl-d14	55	(10 - 132)
2-Fluorobiphenyl	77	(19 - 107)
2-Fluorophenol	43	(10 - 111)
Phenol-d5	48	(15 - 112)
2,4,6-Tribromophenol	84	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW3-12-31_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-013 **Work Order #:** K06EM1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-014 **Work Order #...:** K06EN1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 20:10
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.082 J**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.13 J**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**2.1**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.47 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.084 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.13 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	**0.066 J**	**0.21**	**ug/L**
1,4-Dichlorobenzene	**0.085 J**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	**0.058 J**	**0.21**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-014 **Work Order #...:** K06EN1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	**0.71 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.15 J**	**0.21**	**ug/L**
Hexachlorobenzene	**0.20 J**	**0.21**	**ug/L**
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.16 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.37 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-014 **Work Order #...:** K06EN1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	**1.0**	**1.0**	**ug/L**
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.20 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.078 J**	**0.21**	**ug/L**
Pyridine	**0.18 J**	**1.0**	**ug/L**
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-014 **Work Order #...:** K06EN1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	**0.28 J**	**1.0**	**ug/L**
2,4,6-Trichloro-phenol	**0.13 J**	**1.0**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(23 - 112)
Terphenyl-d14	45	(10 - 132)
2-Fluorobiphenyl	82	(19 - 107)
2-Fluorophenol	25	(10 - 111)
Phenol-d5	46	(15 - 112)
2,4,6-Tribromophenol	64	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW3-41-29_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-014 **Work Order #:** K06EN1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-015 **Work Order #...:** K06EP1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 20:30
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.42**	**0.21**	**ug/L**
Acenaphthylene	**0.47**	**0.21**	**ug/L**
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.93 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.26 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.19 J**	**1.1**	**ug/L**
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-015 **Work Order #...:** K06EP1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.50 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	**0.71 J**	**1.1**	**ug/L**
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.43**	**0.21**	**ug/L**
Fluorene	**0.067 J**	**0.21**	**ug/L**
Hexachlorobenzene	**0.29**	**0.21**	**ug/L**
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	**0.13 J**	**1.1**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.56 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-015 **Work Order #...:** K06EP1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.056 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	**0.53 J**	**1.1**	**ug/L**
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.14 J,B**	**0.21**	**ug/L**
Phenol	**0.096 J**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.062 J**	**0.21**	**ug/L**
Pyridine	**0.15 J**	**1.1**	**ug/L**
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-015 **Work Order #...:** K06EP1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	**0.36 J**	**1.1**	**ug/L**
2,4,6-Trichloro-phenol	**0.070 J**	**1.1**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(23 - 112)
Terphenyl-d14	99	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	21	(10 - 111)
Phenol-d5	39	(15 - 112)
2,4,6-Tribromophenol	55	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW3-29-29_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-015 **Work Order #:** K06EP1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-016 **Work Order #...:** K06EQ1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 20:51
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	**0.64**	**0.22**	**ug/L**
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.27 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.071 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-016 **Work Order #...:** K06EQ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.42**	**0.22**	**ug/L**
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-016 **Work Order #...:** K06EQ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.11 J**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.14 J,B**	**0.22**	**ug/L**
Phenol	**0.15 J**	**0.22**	**ug/L**
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.065 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-016 **Work Order #...:** K06EQ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	58	(23 - 112)
Terphenyl-d14	102	(10 - 132)
2-Fluorobiphenyl	64	(19 - 107)
2-Fluorophenol	27	(10 - 111)
Phenol-d5	41	(15 - 112)
2,4,6-Tribromophenol	60	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW3-34-28_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-016 **Work Order #:** K06EQ1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-017 **Work Order #...:** K06ER1AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 21:11
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.38 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.28 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-017 **Work Order #...:** K06ER1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-017 **Work Order #...:** K06ER1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.15 J,B**	**0.22**	**ug/L**
Phenol	**0.14 J**	**0.22**	**ug/L**
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-017 **Work Order #...:** K06ER1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	68	(23 - 112)
Terphenyl-d14	78	(10 - 132)
2-Fluorobiphenyl	72	(19 - 107)
2-Fluorophenol	17	(10 - 111)
Phenol-d5	34	(15 - 112)
2,4,6-Tribromophenol	48	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-12-27_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-017 **Work Order #:** K06ER1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-018 **Work Order #...:** K06E01AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 21:32
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.33 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.058 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-018 **Work Order #...:** K06E01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-018 **Work Order #...:** K06E01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.055 J**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.17 J,B**	**0.22**	**ug/L**
Phenol	**0.084 J**	**0.22**	**ug/L**
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-018 **Work Order #...:** K06E01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	80	(23 - 112)
Terphenyl-d14	46	(10 - 132)
2-Fluorobiphenyl	87	(19 - 107)
2-Fluorophenol	48	(10 - 111)
Phenol-d5	49	(15 - 112)
2,4,6-Tribromophenol	75	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

DUP002_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-018 **Work Order #:** K06E01AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA1AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 21:52
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**3.1**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.41 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.099 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.44 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.41**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.13 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.15 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	59	(10 - 132)
2-Fluorobiphenyl	83	(19 - 107)
2-Fluorophenol	29	(10 - 111)
Phenol-d5	35	(15 - 112)
2,4,6-Tribromophenol	15 *	(16 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-019 **Work Order #:** K06FA1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA2AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:**
Prep Date.....: 11/07/08 **Analysis Date..:** 11/11/08
Prep Batch #...: 8312386 **Analysis Time..:** 22:00
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.042 J,B**	**0.21**	**ug/L**
Acenaphthylene	**0.023 J**	**0.21**	**ug/L**
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.046 J**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.9**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	**0.020 J**	**0.21**	**ug/L**
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.056 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.063 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA2AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.087 J**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.033 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.053 J,B**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.029 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.043 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA2AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.056 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	**0.028 J**	**5.2**	**ug/L**
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.11 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-019 **Work Order #...:** K06FA2AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	53	(23 - 112)
Terphenyl-d14	58	(10 - 132)
2-Fluorobiphenyl	52	(19 - 107)
2-Fluorophenol	15	(10 - 111)
Phenol-d5	25	(15 - 112)
2,4,6-Tribromophenol	16	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-14-36_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-019 **Work Order #:** K06FA2AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-020 **Work Order #...:** K06FG1AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 00:21
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	**0.59**	**0.21**	**ug/L**
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	**0.63**	**0.21**	**ug/L**
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.0**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.24 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	**0.97**	**0.21**	**ug/L**
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.12 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	**0.046 J**	**0.21**	**ug/L**
1,4-Dichlorobenzene	**0.073 J**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-020 **Work Order #...:** K06FG1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**0.86**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-020 **Work Order #...:** K06FG1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.097 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-020 **Work Order #...:** K06FG1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(23 - 112)
Terphenyl-d14	33	(10 - 132)
2-Fluorobiphenyl	68	(19 - 107)
2-Fluorophenol	47	(10 - 111)
Phenol-d5	53	(15 - 112)
2,4,6-Tribromophenol	80	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW6-20-37_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-020 **Work Order #:** K06FG1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-021 **Work Order #...:** K06FJ1AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 00:41
Dilution Factor: 1.03

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.5**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-021 **Work Order #...:** K06FJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-021 **Work Order #...:** K06FJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.093 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.073 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-021 **Work Order #...:** K06FJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	58	(23 - 112)
Terphenyl-d14	50	(10 - 132)
2-Fluorobiphenyl	59	(19 - 107)
2-Fluorophenol	33	(10 - 111)
Phenol-d5	35	(15 - 112)
2,4,6-Tribromophenol	30	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW6-12-42_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-021 **Work Order #:** K06FJ1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-022 **Work Order #...:** K06FK1AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 01:01
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-022 **Work Order #...:** K06FK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-022 **Work Order #...:** K06FK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	ND	0.21	ug/L
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-022 **Work Order #...:** K06FK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(23 - 112)
Terphenyl-d14	48	(10 - 132)
2-Fluorobiphenyl	61	(19 - 107)
2-Fluorophenol	40	(10 - 111)
Phenol-d5	47	(15 - 112)
2,4,6-Tribromophenol	70	(16 - 122)

Langan Engineering & Environmental Srvcs

MW4-10-23_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-022 **Work Order #:** K06FK1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-023 **Work Order #...:** K06FL1AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 14:52
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.076 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.18 J**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.58**	**0.21**	**ug/L**
Benzo(b)fluoranthene	**0.69**	**0.21**	**ug/L**
Benzo(ghi)perylene	**0.64**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**0.77**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.27 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.34 J**	**1.0**	**ug/L**
4-Chloroaniline	**0.086 J**	**1.0**	**ug/L**
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.19 J**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	**0.95**	**0.21**	**ug/L**
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.24 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-023 **Work Order #...:** K06FL1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	**1.3 J**	**5.2**	**ug/L**
2,4-Dinitrotoluene	**0.058 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.50**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**0.92**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.11 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-023 **Work Order #...:** K06FL1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	**0.075 J**	**5.2**	**ug/L**
3-Nitroaniline	**0.12 J**	**5.2**	**ug/L**
4-Nitroaniline	**0.16 J**	**5.2**	**ug/L**
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	**0.75 J**	**5.2**	**ug/L**
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	**0.068 J**	**0.21**	**ug/L**
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.13 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.18 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-023 **Work Order #...:** K06FL1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	45	(10 - 132)
2-Fluorobiphenyl	68	(19 - 107)
2-Fluorophenol	57	(10 - 111)
Phenol-d5	69	(15 - 112)
2,4,6-Tribromophenol	74	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW5-29-49_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-023 **Work Order #:** K06FL1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-024 **Work Order #...:** K06FM1AE **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8300076 **Analysis Time..:** 23:19
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.14 J**	**1.0**	**ug/L**
4-Chloroaniline	**0.076 J**	**1.0**	**ug/L**
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.081 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-024 **Work Order #...:** K06FM1AE **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.39**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-024 **Work Order #...:** K06FM1AE **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	**0.055 J**	**5.2**	**ug/L**
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.059 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-024 **Work Order #...:** K06FM1AE **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	68	(23 - 112)
Terphenyl-d14	49	(10 - 132)
2-Fluorobiphenyl	66	(19 - 107)
2-Fluorophenol	52	(10 - 111)
Phenol-d5	56	(15 - 112)
2,4,6-Tribromophenol	70	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW5-28-31_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-024 **Work Order #:** K06FM1AE **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-025 **Work Order #...:** K06FQ1AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 15:13
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.15 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.14 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-025 **Work Order #...:** K06FQ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.40**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-025 **Work Order #...:** K06FQ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.097 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-025 **Work Order #...:** K06FQ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	52	(10 - 132)
2-Fluorobiphenyl	68	(19 - 107)
2-Fluorophenol	57	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	81	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW5-27-17_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-025 **Work Order #:** K06FQ1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-026 **Work Order #...:** K06FV1AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 15:34
Dilution Factor: 1.12

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	**0.093 J**	**0.22**	**ug/L**
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	**0.71**	**0.22**	**ug/L**
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	**0.76**	**0.22**	**ug/L**
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.9**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.89 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.14 J**	**0.22**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.20 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-026 **Work Order #...:** K06FV1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.54 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.6	ug/L
2,4-Dinitrophenol	ND	5.6	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.47**	**0.22**	**ug/L**
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	**0.96**	**0.22**	**ug/L**
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.5	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-026 **Work Order #...:** K06FV1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.074 J**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.6	ug/L
3-Nitroaniline	ND	5.6	ug/L
4-Nitroaniline	ND	5.6	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.6	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.20 J**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	45	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.10 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-026 **Work Order #...:** K06FV1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78	(23 - 112)
Terphenyl-d14	123	(10 - 132)
2-Fluorobiphenyl	80	(19 - 107)
2-Fluorophenol	15	(10 - 111)
Phenol-d5	38	(15 - 112)
2,4,6-Tribromophenol	53	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW1-02-31_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-026 **Work Order #:** K06FV1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-027 **Work Order #...:** K06F01AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 15:55
Dilution Factor: 1.19

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.24	ug/L
Acenaphthylene	ND	0.24	ug/L
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	ND	1.2	ug/L
Anthracene	ND	0.24	ug/L
Benzo(a)anthracene	ND	0.24	ug/L
Benzo(a)pyrene	ND	0.24	ug/L
Benzo(b)fluoranthene	ND	0.24	ug/L
Benzo(ghi)perylene	ND	0.24	ug/L
Benzo(k)fluoranthene	ND	0.24	ug/L
Benzyl alcohol	ND	1.2	ug/L
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.24	ug/L
bis(2-Ethylhexyl) phthalate	**0.64 J**	**1.2**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.2	ug/L
Butyl benzyl phthalate	**0.20 J**	**1.2**	**ug/L**
4-Chloroaniline	ND	1.2	ug/L
4-Chloro-3-methylphenol	ND	1.2	ug/L
2-Chloronaphthalene	ND	0.24	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	ND	0.24	ug/L
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	ND	0.24	ug/L
Dibenzofuran	ND	1.2	ug/L
Di-n-butyl phthalate	**0.11 J**	**1.2**	**ug/L**
1,2-Dichlorobenzene	ND	0.24	ug/L
1,3-Dichlorobenzene	ND	0.24	ug/L
1,4-Dichlorobenzene	ND	0.24	ug/L
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	ND	0.24	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-027 **Work Order #...:** K06F01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.24	ug/L
Diethyl phthalate	ND	1.2	ug/L
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethylamine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	**0.46 J**	**1.2**	**ug/L**
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	6.0	ug/L
2,4-Dinitrophenol	ND	6.0	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	ND	1.2	ug/L
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	ND	0.24	ug/L
Fluorene	ND	0.24	ug/L
Hexachlorobenzene	ND	0.24	ug/L
Hexachlorobutadiene	ND	0.24	ug/L
Hexachlorocyclopentadiene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.24	ug/L
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.8	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	ND	0.24	ug/L
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-027 **Work Order #...:** K06F01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.24	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	ND	6.0	ug/L
3-Nitroaniline	ND	6.0	ug/L
4-Nitroaniline	ND	6.0	ug/L
Nitrobenzene	ND	0.24	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	ND	6.0	ug/L
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.24	ug/L
N-Nitrosodiphenylamine	ND	0.24	ug/L
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.24	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.4	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	ND	1.2	ug/L
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.084 J**	**0.24**	**ug/L**
Phenol	ND	0.24	ug/L
p-Phenylene diamine	ND	48	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	ND	0.24	ug/L
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-027 **Work Order #...:** K06F01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.24	ug/L
2,4,5-Trichloro-phenol	ND	1.2	ug/L
2,4,6-Trichloro-phenol	ND	1.2	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(23 - 112)
Terphenyl-d14	81	(10 - 132)
2-Fluorobiphenyl	53	(19 - 107)
2-Fluorophenol	28	(10 - 111)
Phenol-d5	41	(15 - 112)
2,4,6-Tribromophenol	43	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW5-23-42_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-027 **Work Order #:** K06F01AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachloropehen		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-028 **Work Order #...:** K06F31AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 16:36
Dilution Factor: 1.19

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.24	ug/L
Acenaphthylene	ND	0.24	ug/L
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	ND	1.2	ug/L
Anthracene	ND	0.24	ug/L
Benzo(a)anthracene	ND	0.24	ug/L
Benzo(a)pyrene	ND	0.24	ug/L
Benzo(b)fluoranthene	ND	0.24	ug/L
Benzo(ghi)perylene	ND	0.24	ug/L
Benzo(k)fluoranthene	ND	0.24	ug/L
Benzyl alcohol	ND	1.2	ug/L
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.24	ug/L
bis(2-Ethylhexyl) phthalate	**1.4**	**1.2**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.2	ug/L
Butyl benzyl phthalate	**0.18 J**	**1.2**	**ug/L**
4-Chloroaniline	ND	1.2	ug/L
4-Chloro-3-methylphenol	ND	1.2	ug/L
2-Chloronaphthalene	ND	0.24	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	ND	0.24	ug/L
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	ND	0.24	ug/L
Dibenzofuran	ND	1.2	ug/L
Di-n-butyl phthalate	**0.091 J**	**1.2**	**ug/L**
1,2-Dichlorobenzene	ND	0.24	ug/L
1,3-Dichlorobenzene	ND	0.24	ug/L
1,4-Dichlorobenzene	ND	0.24	ug/L
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	ND	0.24	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-028 **Work Order #...:** K06F31AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.24	ug/L
Diethyl phthalate	ND	1.2	ug/L
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethylamine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	ND	1.2	ug/L
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	6.0	ug/L
2,4-Dinitrophenol	ND	6.0	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	ND	1.2	ug/L
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	ND	0.24	ug/L
Fluorene	ND	0.24	ug/L
Hexachlorobenzene	ND	0.24	ug/L
Hexachlorobutadiene	ND	0.24	ug/L
Hexachlorocyclopentadiene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.24	ug/L
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.8	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	ND	0.24	ug/L
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-028 **Work Order #...:** K06F31AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.24	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	ND	6.0	ug/L
3-Nitroaniline	ND	6.0	ug/L
4-Nitroaniline	ND	6.0	ug/L
Nitrobenzene	ND	0.24	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	ND	6.0	ug/L
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.24	ug/L
N-Nitrosodiphenylamine	ND	0.24	ug/L
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.24	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.4	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	ND	1.2	ug/L
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.072 J**	**0.24**	**ug/L**
Phenol	ND	0.24	ug/L
p-Phenylene diamine	ND	48	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	ND	0.24	ug/L
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-028 **Work Order #...:** K06F31AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.24	ug/L
2,4,5-Trichloro-phenol	ND	1.2	ug/L
2,4,6-Trichloro-phenol	ND	1.2	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	48	(23 - 112)
Terphenyl-d14	101	(10 - 132)
2-Fluorobiphenyl	51	(19 - 107)
2-Fluorophenol	14	(10 - 111)
Phenol-d5	32	(15 - 112)
2,4,6-Tribromophenol	64	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW5-21-20_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-028 **Work Order #:** K06F31AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F41AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 16:57
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**3.0**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**1.2**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.15 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.41 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.11 J**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	44	(23 - 112)
Terphenyl-d14	83	(10 - 132)
2-Fluorobiphenyl	46	(19 - 107)
2-Fluorophenol	2.4 *	(10 - 111)
Phenol-d5	14 *	(15 - 112)
2,4,6-Tribromophenol	18	(16 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-029 **Work Order #:** K06F41AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F42AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:**
Prep Date.....: 11/07/08 **Analysis Date..:** 11/11/08
Prep Batch #...: 8312386 **Analysis Time..:** 22:21
Dilution Factor: 1.18

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.023 J,B**	**0.24**	**ug/L**
Acenaphthylene	ND	0.24	ug/L
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	ND	1.2	ug/L
Anthracene	**0.022 J**	**0.24**	**ug/L**
Benzo(a)anthracene	ND	0.24	ug/L
Benzo(a)pyrene	ND	0.24	ug/L
Benzo(b)fluoranthene	ND	0.24	ug/L
Benzo(ghi)perylene	ND	0.24	ug/L
Benzo(k)fluoranthene	ND	0.24	ug/L
Benzyl alcohol	ND	1.2	ug/L
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.24	ug/L
bis(2-Ethylhexyl) phthalate	**1.4**	**1.2**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.2	ug/L
Butyl benzyl phthalate	ND	1.2	ug/L
4-Chloroaniline	ND	1.2	ug/L
4-Chloro-3-methylphenol	ND	1.2	ug/L
2-Chloronaphthalene	ND	0.24	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	ND	0.24	ug/L
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	ND	0.24	ug/L
Dibenzofuran	**0.026 J,B**	**1.2**	**ug/L**
Di-n-butyl phthalate	ND	1.2	ug/L
1,2-Dichlorobenzene	ND	0.24	ug/L
1,3-Dichlorobenzene	ND	0.24	ug/L
1,4-Dichlorobenzene	ND	0.24	ug/L
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	ND	0.24	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F42AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.24	ug/L
Diethyl phthalate	**0.12 J**	**1.2**	**ug/L**
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethylamine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	ND	1.2	ug/L
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	5.9	ug/L
2,4-Dinitrophenol	ND	5.9	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	ND	1.2	ug/L
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	ND	0.24	ug/L
Fluorene	**0.026 J,B**	**0.24**	**ug/L**
Hexachlorobenzene	ND	0.24	ug/L
Hexachlorobutadiene	ND	0.24	ug/L
Hexachlorocyclopentadiene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.24	ug/L
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.7	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	ND	0.24	ug/L
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F42AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.24	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	ND	5.9	ug/L
3-Nitroaniline	ND	5.9	ug/L
4-Nitroaniline	ND	5.9	ug/L
Nitrobenzene	ND	0.24	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	ND	5.9	ug/L
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.24	ug/L
N-Nitrosodiphenylamine	ND	0.24	ug/L
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.24	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.4	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	ND	1.2	ug/L
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.074 J,B**	**0.24**	**ug/L**
Phenol	ND	0.24	ug/L
p-Phenylene diamine	ND	47	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	ND	0.24	ug/L
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-029 **Work Order #...:** K06F42AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.24	ug/L
2,4,5-Trichloro-phenol	ND	1.2	ug/L
2,4,6-Trichloro-phenol	ND	1.2	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	50	(23 - 112)
Terphenyl-d14	69	(10 - 132)
2-Fluorobiphenyl	58	(19 - 107)
2-Fluorophenol	23	(10 - 111)
Phenol-d5	37	(15 - 112)
2,4,6-Tribromophenol	49	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-22-32_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-029 **Work Order #:** K06F42AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-030 **Work Order #...:** K06F51AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 17:18
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.4**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.29 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.082 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-030 **Work Order #...:** K06F51AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.42**	**0.21**	**ug/L**
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-030 **Work Order #...:** K06F51AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.079 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.10 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-030 **Work Order #...:** K06F51AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(23 - 112)
Terphenyl-d14	61	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	37	(10 - 111)
Phenol-d5	45	(15 - 112)
2,4,6-Tribromophenol	63	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

DUP-003_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-030 **Work Order #:** K06F51AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-031 **Work Order #...:** K06F91AC **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8300032
Prep Date.....: 10/24/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8300076 **Analysis Time..:** 17:39
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.20 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.072 J**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-031 **Work Order #...:** K06F91AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-031 **Work Order #...:** K06F91AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.062 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-031 **Work Order #...:** K06F91AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	47	(23 - 112)
Terphenyl-d14	94	(10 - 132)
2-Fluorobiphenyl	45	(19 - 107)
2-Fluorophenol	29	(10 - 111)
Phenol-d5	38	(15 - 112)
2,4,6-Tribromophenol	50	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

FB04_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-031 **Work Order #:** K06F91AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-033 **Work Order #...:** K06J41AC **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08 **MS Run #.....:** 8297021
Prep Date.....: 10/22/08 **Analysis Date..:** 11/06/08
Prep Batch #...: 8297034 **Analysis Time..:** 22:13
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**3.8**	**0.21**	**ug/L**
Acenaphthylene	**0.099 J**	**0.21**	**ug/L**
Acetophenone	**0.056 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	**0.45 J**	**1.1**	**ug/L**
Anthracene	**0.18 J**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.73 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.060 J**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.081 J**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-033 **Work Order #...:** K06J41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.50**	**0.21**	**ug/L**
Fluorene	**0.12 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**0.086 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-033 **Work Order #...:** K06J41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.27**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.58 B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.53**	**0.21**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J180168-033 **Work Order #...:** K06J41AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	**2.8**	**1.1**	**ug/L**
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	59	(10 - 132)
2-Fluorobiphenyl	74	(19 - 107)
2-Fluorophenol	28	(10 - 111)
Phenol-d5	41	(15 - 112)
2,4,6-Tribromophenol	56	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW3-02-27_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J180168-033 **Work Order #:** K06J41AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1EK11AA **Matrix.....:** WATER
MB Lot-Sample #: C8J230000-034

Prep Date.....: 10/22/08 **Analysis Time..:** 14:10
Analysis Date..: 11/05/08 **Prep Batch #...:** 8297034
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1EK11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethylamine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1EK11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.089 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1EK11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(23 - 112)
Terphenyl-d14	131	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	63	(10 - 111)
Phenol-d5	75	(15 - 112)
2,4,6-Tribromophenol	86	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C8J230000-034 B **Work Order #:** K1EK11AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1M6D1AA **Matrix.....:** WATER
MB Lot-Sample #: C8J260000-076

Prep Date.....: 10/24/08 **Analysis Time..:** 22:39
Analysis Date..: 11/04/08 **Prep Batch #...:** 8300076
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1M6D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethylamine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1M6D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1M6D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62	(23 - 112)
Terphenyl-d14	111	(10 - 132)
2-Fluorobiphenyl	58	(19 - 107)
2-Fluorophenol	41	(10 - 111)
Phenol-d5	50	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

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

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Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C8J260000-076 B **Work Order #:** K1M6D1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K2G411AA **Matrix.....:** WATER
MB Lot-Sample #: C8K070000-386

Prep Date.....: 11/07/08 **Analysis Time..:** 20:37
Analysis Date..: 11/11/08 **Prep Batch #...:** 8312386
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	**0.021 J**	**0.20**	**ug/L**	**SW846 8270C**
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	**0.058 J**	**0.20**	**ug/L**	**SW846 8270C**
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	**0.031 J**	**1.0**	**ug/L**	**SW846 8270C**
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K2G411AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	**0.026 J**	**0.20**	**ug/L**	**SW846 8270C**
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	**0.016 J**	**0.20**	**ug/L**	**SW846 8270C**
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K2G411AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.052 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K2G411AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	58	(23 - 112)
Terphenyl-d14	105	(10 - 132)
2-Fluorobiphenyl	62	(19 - 107)
2-Fluorophenol	21	(10 - 111)
Phenol-d5	42	(15 - 112)
2,4,6-Tribromophenol	51	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

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Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C8K070000-386 B **Work Order #:** K2G411AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1EK11AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J230000-034
Prep Date.....: 10/22/08 **Analysis Date..:** 11/05/08
Prep Batch #...: 8297034 **Analysis Time..:** 14:31
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**85**	**(35 - 99)**	**SW846 8270C**
4-Bromophenyl phenyl ether	**89**	**(37 - 104)**	**SW846 8270C**
Butyl benzyl phthalate	**86**	**(36 - 108)**	**SW846 8270C**
4-Chloro-3-methylphenol	**82**	**(35 - 104)**	**SW846 8270C**
2-Chlorophenol	**75**	**(31 - 99)**	**SW846 8270C**
1,4-Dichlorobenzene	**74**	**(34 - 93)**	**SW846 8270C**
4-Methylphenol	**71**	**(32 - 100)**	**SW846 8270C**
2,4-Dinitrotoluene	**90**	**(37 - 115)**	**SW846 8270C**
Hexachloroethane	**69**	**(32 - 94)**	**SW846 8270C**
Naphthalene	**80**	**(35 - 97)**	**SW846 8270C**
4-Nitrophenol	**74**	**(29 - 115)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**78**	**(34 - 101)**	**SW846 8270C**
Pentachlorophenol	**65**	**(15 - 111)**	**SW846 8270C**
Phenol	**68**	**(32 - 95)**	**SW846 8270C**
Pyrene	**97**	**(35 - 106)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**74**	**(34 - 96)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(23 - 112)
Terphenyl-d14	89	(10 - 132)
2-Fluorobiphenyl	85	(19 - 107)
2-Fluorophenol	70	(10 - 111)
Phenol-d5	75	(15 - 112)
2,4,6-Tribromophenol	96	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K1M6D1AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J260000-076
Prep Date.....: 10/24/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8300076 **Analysis Time..:** 22:59
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**59**	**(35 - 99)**	**SW846 8270C**
4-Bromophenyl phenyl ether	**69**	**(37 - 104)**	**SW846 8270C**
Butyl benzyl phthalate	**70**	**(36 - 108)**	**SW846 8270C**
4-Chloro-3-methylphenol	**43**	**(35 - 104)**	**SW846 8270C**
2-Chlorophenol	**35**	**(31 - 99)**	**SW846 8270C**
1,4-Dichlorobenzene	**52**	**(34 - 93)**	**SW846 8270C**
4-Methylphenol	**37**	**(32 - 100)**	**SW846 8270C**
2,4-Dinitrotoluene	**67**	**(37 - 115)**	**SW846 8270C**
Hexachloroethane	**49**	**(32 - 94)**	**SW846 8270C**
Naphthalene	**57**	**(35 - 97)**	**SW846 8270C**
4-Nitrophenol	**42**	**(29 - 115)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**56**	**(34 - 101)**	**SW846 8270C**
Pentachlorophenol	**45**	**(15 - 111)**	**SW846 8270C**
Phenol	**35**	**(32 - 95)**	**SW846 8270C**
Pyrene	**74**	**(35 - 106)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**53**	**(34 - 96)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	59	(23 - 112)
Terphenyl-d14	74	(10 - 132)
2-Fluorobiphenyl	61	(19 - 107)
2-Fluorophenol	25	(10 - 111)
Phenol-d5	37	(15 - 112)
2,4,6-Tribromophenol	46	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 Work Order #...: K2G411AC-LCS Matrix.....: WATER
LCS Lot-Sample#: C8K070000-386 K2G411AD-LCSD
Prep Date.....: 11/07/08 Analysis Date..: 11/11/08
Prep Batch #...: 8312386 Analysis Time..: 21:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	66	(35 - 99)			SW846 8270C
	71	(35 - 99)	7.6	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	67	(37 - 104)			SW846 8270C
	69	(37 - 104)	3.4	(0-40)	SW846 8270C
Butyl benzyl phthalate	75	(36 - 108)			SW846 8270C
	80	(36 - 108)	6.2	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	63	(35 - 104)			SW846 8270C
	69	(35 - 104)	10	(0-42)	SW846 8270C
2-Chlorophenol	48	(31 - 99)			SW846 8270C
	40	(31 - 99)	19	(0-39)	SW846 8270C
1,4-Dichlorobenzene	52	(34 - 93)			SW846 8270C
	56	(34 - 93)	7.6	(0-41)	SW846 8270C
4-Methylphenol	52	(32 - 100)			SW846 8270C
	57	(32 - 100)	9.2	(0-41)	SW846 8270C
2,4-Dinitrotoluene	74	(37 - 115)			SW846 8270C
	76	(37 - 115)	3.6	(0-39)	SW846 8270C
Hexachloroethane	49	(32 - 94)			SW846 8270C
	53	(32 - 94)	9.1	(0-39)	SW846 8270C
Naphthalene	61	(35 - 97)			SW846 8270C
	64	(35 - 97)	3.8	(0-43)	SW846 8270C
4-Nitrophenol	63	(29 - 115)			SW846 8270C
	74	(29 - 115)	16	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	59	(34 - 101)			SW846 8270C
	66	(34 - 101)	11	(0-43)	SW846 8270C
Pentachlorophenol	63	(15 - 111)			SW846 8270C
	70	(15 - 111)	10	(0-42)	SW846 8270C
Phenol	45	(32 - 95)			SW846 8270C
	45	(32 - 95)	0.59	(0-39)	SW846 8270C
Pyrene	76	(35 - 106)			SW846 8270C
	79	(35 - 106)	4.6	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	53	(34 - 96)			SW846 8270C
	57	(34 - 96)	6.6	(0-45)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K2G411AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C8K070000-386 K2G411AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(23 - 112)
	69	(23 - 112)
Terphenyl-d14	80	(10 - 132)
	91	(10 - 132)
2-Fluorobiphenyl	67	(19 - 107)
	73	(19 - 107)
2-Fluorophenol	43	(10 - 111)
	25	(10 - 111)
Phenol-d5	54	(15 - 112)
	52	(15 - 112)
2,4,6-Tribromophenol	62	(16 - 122)
	69	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168
MS Lot-Sample #: C8J180168-005
Date Sampled...: 10/16/08
Prep Date.....: 10/22/08
Prep Batch #...: 8297034
Dilution Factor: 1.08

Work Order #...: K06C81A1-MS
K06C81A2-MSD
Date Received..: 10/18/08
Analysis Date..: 11/05/08
Analysis Time..: 18:20

Matrix.....: W
MS Run #.....: 8297021

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	43	(35 - 99)			SW846 8270C
	35	(35 - 99)	20	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	64	(37 - 104)			SW846 8270C
	66	(37 - 104)	3.2	(0-40)	SW846 8270C
Butyl benzyl phthalate	60	(36 - 108)			SW846 8270C
	64	(36 - 108)	5.7	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	14 a	(35 - 104)			SW846 8270C
	7.4 a,p	(35 - 104)	52	(0-42)	SW846 8270C
2-Chlorophenol	35	(31 - 99)			SW846 8270C
	28 a	(31 - 99)	21	(0-39)	SW846 8270C
1,4-Dichlorobenzene	50	(34 - 93)			SW846 8270C
	61	(34 - 93)	20	(0-41)	SW846 8270C
4-Methylphenol	10 a	(32 - 100)			SW846 8270C
	6.9 a	(32 - 100)	36	(0-41)	SW846 8270C
2,4-Dinitrotoluene	71	(37 - 115)			SW846 8270C
	79	(37 - 115)	11	(0-39)	SW846 8270C
Hexachloroethane	49	(32 - 94)			SW846 8270C
	61	(32 - 94)	20	(0-39)	SW846 8270C
Naphthalene	55	(35 - 97)			SW846 8270C
	68	(35 - 97)	20	(0-43)	SW846 8270C
4-Nitrophenol	48	(29 - 115)			SW846 8270C
	54	(29 - 115)	10	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	58	(34 - 101)			SW846 8270C
	69	(34 - 101)	16	(0-43)	SW846 8270C
Pentachlorophenol	10 a	(15 - 111)			SW846 8270C
	2.9 a,p	(15 - 111)	77	(0-42)	SW846 8270C
Phenol	31 a	(32 - 95)			SW846 8270C
	27 a	(32 - 95)	10	(0-39)	SW846 8270C
Pyrene	55	(35 - 106)			SW846 8270C
	39	(35 - 106)	34	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	52	(34 - 96)			SW846 8270C
	62	(34 - 96)	19	(0-45)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K06C81A1-MS **Matrix.....:** W
MS Lot-Sample #: C8J180168-005 K06C81A2-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62	(23 - 112)
	76	(23 - 112)
Terphenyl-d14	36	(10 - 132)
	35	(10 - 132)
2-Fluorobiphenyl	63	(19 - 107)
	76	(19 - 107)
2-Fluorophenol	27	(10 - 111)
	24	(10 - 111)
Phenol-d5	36	(15 - 112)
	35	(15 - 112)
2,4,6-Tribromophenol	5.6 *	(16 - 122)
	4.2 *	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168
MS Lot-Sample #: C8J180168-024
Date Sampled...: 10/17/08
Prep Date.....: 10/24/08
Prep Batch #...: 8300076
Dilution Factor: 1.05

Work Order #...: K06FM1AF-MS
K06FM1AG-MSD
Date Received..: 10/18/08
Analysis Date..: 11/04/08
Analysis Time..: 23:40

Matrix.....: W
MS Run #.....: 8300032

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	56	(35 - 99)			SW846 8270C
	65	(35 - 99)	10	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	59	(37 - 104)			SW846 8270C
	73	(37 - 104)	17	(0-40)	SW846 8270C
Butyl benzyl phthalate	46	(36 - 108)			SW846 8270C
	60	(36 - 108)	21	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	49	(35 - 104)			SW846 8270C
	60	(35 - 104)	15	(0-42)	SW846 8270C
2-Chlorophenol	50	(31 - 99)			SW846 8270C
	57	(31 - 99)	8.1	(0-39)	SW846 8270C
1,4-Dichlorobenzene	51	(34 - 93)			SW846 8270C
	55	(34 - 93)	2.8	(0-41)	SW846 8270C
4-Methylphenol	43	(32 - 100)			SW846 8270C
	50	(32 - 100)	11	(0-41)	SW846 8270C
2,4-Dinitrotoluene	62	(37 - 115)			SW846 8270C
	75	(37 - 115)	14	(0-39)	SW846 8270C
Hexachloroethane	49	(32 - 94)			SW846 8270C
	54	(32 - 94)	4.8	(0-39)	SW846 8270C
Naphthalene	57	(35 - 97)			SW846 8270C
	66	(35 - 97)	9.5	(0-43)	SW846 8270C
4-Nitrophenol	46	(29 - 115)			SW846 8270C
	60	(29 - 115)	21	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	53	(34 - 101)			SW846 8270C
	60	(34 - 101)	7.9	(0-43)	SW846 8270C
Pentachlorophenol	56	(15 - 111)			SW846 8270C
	68	(15 - 111)	15	(0-42)	SW846 8270C
Phenol	46	(32 - 95)			SW846 8270C
	50	(32 - 95)	3.2	(0-39)	SW846 8270C
Pyrene	53	(35 - 106)			SW846 8270C
	68	(35 - 106)	20	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	52	(34 - 96)			SW846 8270C
	59	(34 - 96)	8.2	(0-45)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J180168 **Work Order #...:** K06FM1AF-MS **Matrix.....:** W
MS Lot-Sample #: C8J180168-024 K06FM1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	60	(23 - 112)
	66	(23 - 112)
Terphenyl-d14	29	(10 - 132)
	34	(10 - 132)
2-Fluorobiphenyl	59	(19 - 107)
	66	(19 - 107)
2-Fluorophenol	44	(10 - 111)
	48	(10 - 111)
Phenol-d5	50	(15 - 112)
	52	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)
	70	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-001 Matrix.....: W
Date Sampled...: 10/15/08 Date Received..: 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**6.7 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AD**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06CT1AE
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Arsenic	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AF**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Barium	**24.3**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AG**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06CT1AH
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06CT1AJ
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Cobalt	**0.21 B**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AK**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Chromium	**4.0 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AL**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Copper	**0.66 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AM**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Nickel	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AN**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Lead	**0.032 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AP**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Selenium	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06CT1AQ**
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-41-19_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-001 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.099 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06CT1AR
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Antimony	0.25 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06CT1AT
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06CT1AU
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	
Zinc	7.2	5.0	ug/L	SW846 6020	10/25-11/05/08	K06CT1AV
		Dilution Factor: 1		Analysis Time..: 20:24	MS Run #.....: 8299080	

Prep Batch #...: 8302073

Mercury	0.028 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06CT1AW
		Dilution Factor: 1		Analysis Time..: 12:05	MS Run #.....: 8302045	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-002 **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**4.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AD**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C31AE
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Arsenic	**39.6**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AF**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Barium	**56.8**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AG**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C31AH
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C31AJ
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Cobalt	**0.25 B**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AK**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Chromium	**4.2 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AL**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Copper	**0.57 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AM**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AN**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Lead	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AP**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Selenium	**1.5 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C31AQ**
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-7-24_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-002 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.053 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C31AR
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Antimony	0.22 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06C31AT
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C31AU
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Zinc	4.4 B	5.0	ug/L	SW846 6020	10/25-11/05/08	K06C31AV
		Dilution Factor: 1		Analysis Time..: 20:29	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	0.043 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06C31AW
		Dilution Factor: 1		Analysis Time..: 12:07	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-003 **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**4.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AD**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C41AE
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C41AF
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Barium	**45.2**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AG**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Beryllium	**57.5**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AH**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Cadmium	**13.6 J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AJ**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Cobalt	**371**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AK**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Chromium	**8.2 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AL**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Copper	**165**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AM**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Nickel	**430**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AN**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Lead	**3.5**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AP**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Selenium	**12.2**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C41AQ**
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-003 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.90 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C41AR
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06C41AT
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Vanadium	12.3	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C41AU
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Zinc	1280	5.0	ug/L	SW846 6020	10/25-11/05/08	K06C41AV
		Dilution Factor: 1		Analysis Time..: 20:33	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	0.046 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06C41AW
		Dilution Factor: 1		Analysis Time..: 12:08	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-004 **Matrix.....:** W
Date Sampled...: 10/15/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**4.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AD**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C71AE
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Arsenic	**3.9**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AF**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Barium	**177**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AG**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C71AH
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C71AJ
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Cobalt	**1.8**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AK**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Chromium	**3.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AL**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Copper	**0.49 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AM**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Nickel	**1.6**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AN**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Lead	**0.076 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AP**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Selenium	**0.77 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C71AQ**
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-4-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-004 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.036 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C71AR
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06C71AT
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Vanadium	0.45 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C71AU
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Zinc	8.1	5.0	ug/L	SW846 6020	10/25-11/05/08	K06C71AV
		Dilution Factor: 1		Analysis Time..: 20:37	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	0.034 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06C71AW
		Dilution Factor: 1		Analysis Time..: 12:10	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-005 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**5.2 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AD**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C81AE
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Arsenic	**0.35 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AF**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Barium	**20.3**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AG**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C81AH
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Cadmium	**0.45 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AJ**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Cobalt	**1.2**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AK**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Chromium	**3.7 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AL**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Copper	**1.9 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AM**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Nickel	**4.1**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AN**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Lead	**0.66 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AP**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Selenium	**0.94 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06C81AQ**
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-3-33_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-005 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.038 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C81AR
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Antimony	0.26 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06C81AT
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06C81AU
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Zinc	13.2	5.0	ug/L	SW846 6020	10/25-11/05/08	K06C81AV
		Dilution Factor: 1		Analysis Time..: 20:56	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	0.038 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06C81AW
		Dilution Factor: 1		Analysis Time..: 12:12	MS Run #.....: 8302045	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-006 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**7.4 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AD**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AE
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AF
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Barium	**23.0**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AG**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AH
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Cadmium	**1.1 J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AJ**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Cobalt	**8.2**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AK**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Chromium	**3.0 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AL**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Copper	**2.7**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AM**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Nickel	**12.2**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AN**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Lead	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DD1AP**
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AQ
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-10-32_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-006 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.13 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AR
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Antimony	0.38 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AT
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Vanadium	0.60 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AU
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Zinc	14.8	5.0	ug/L	SW846 6020	10/25-11/05/08	K06DD1AV
		Dilution Factor: 1		Analysis Time..: 21:17	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	0.049 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06DD1AW
		Dilution Factor: 1		Analysis Time..: 12:17	MS Run #.....: 8302045	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-007
Date Sampled...: 10/16/08 Date Received..: 10/18/08
Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**4.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AD**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DK1AE
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Arsenic	**7.2**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AF**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Barium	**120**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AG**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DK1AH
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DK1AJ
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Cobalt	**0.49 B**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AK**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Chromium	**3.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AL**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Copper	**0.46 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AM**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Nickel	**1.0**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AN**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Lead	**0.083 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AP**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Selenium	**0.60 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DK1AQ**
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-007 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.057 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DK1AR
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Antimony	0.22 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06DK1AT
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DK1AU
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Zinc	6.3	5.0	ug/L	SW846 6020	10/25-11/05/08	K06DK1AV
		Dilution Factor: 1		Analysis Time..: 21:21	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	0.037 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06DK1AW
		Dilution Factor: 1		Analysis Time..: 12:22	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-008 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**3.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AD**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DV1AE
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Arsenic	**0.87 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AF**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Barium	**10.5**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AG**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DV1AH
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Cadmium	**0.16 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AJ**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Cobalt	**0.69**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AK**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Chromium	**2.9 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AL**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Copper	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AM**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Nickel	**2.6**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AN**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Lead	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AP**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06DV1AQ
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-26-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-008 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.029 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AR**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Antimony	**0.15 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AT**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06DV1AU
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	
Zinc	**5.6**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06DV1AV**
		Dilution Factor: 1		Analysis Time..: 21:25	MS Run #.....: 8299080	

Prep Batch #...: 8302073

Mercury	**0.032 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06DV1AW**
		Dilution Factor: 1		Analysis Time..: 12:23	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-009 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**5.3 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AD**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D11AE
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Arsenic	**60.0**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AF**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Barium	**159**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AG**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D11AH
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Cadmium	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AJ**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Cobalt	**1.1**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AK**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Chromium	**2.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AL**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Copper	**0.70 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AM**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Nickel	**0.95 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AN**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Lead	**0.45 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AP**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Selenium	**0.89 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AQ**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-009 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D11AR
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Antimony	**0.21 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AT**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Vanadium	**0.42 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AU**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Zinc	**9.8**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D11AV**
		Dilution Factor: 1		Analysis Time..: 21:30	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	**0.023 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06D11AW**
		Dilution Factor: 1		Analysis Time..: 12:25	MS Run #.....: 8302045	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-010 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**3.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D41AD**
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AE
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AF
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Barium	ND	10.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AG
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AH
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AJ
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Cobalt	ND	0.50	ug/L	SW846 6020	10/25-11/05/08	K06D41AK
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Chromium	**3.1 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D41AL**
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Copper	**0.62 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D41AM**
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Nickel	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AN
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Lead	**0.23 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D41AP**
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AQ
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB03_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-010 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AR
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AT
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06D41AU
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	
Zinc	**3.4 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06D41AV**
		Dilution Factor: 1		Analysis Time..: 21:34	MS Run #.....: 8299080	

Prep Batch #...: 8302073

Mercury	**0.038 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06D41AW**
		Dilution Factor: 1		Analysis Time..: 12:27	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-011 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AD**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EF1AE
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Arsenic	**33.2**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AF**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Barium	**316**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AG**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EF1AH
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EF1AJ
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Cobalt	**0.60**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AK**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Chromium	**2.9 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AL**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Copper	**0.47 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AM**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Nickel	**0.97 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AN**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Lead	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AP**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Selenium	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AQ**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-011 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EF1AR
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Antimony	**0.085 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AT**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Vanadium	**0.12 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AU**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Zinc	**8.3**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EF1AV**
		Dilution Factor: 1		Analysis Time..: 21:38	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	**0.029 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06EF1AW**
		Dilution Factor: 1		Analysis Time..: 12:28	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-012 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**5.3 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AD**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EJ1AE
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Arsenic	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AF**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Barium	**36.3**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AG**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EJ1AH
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EJ1AJ
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Cobalt	**0.19 B**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AK**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Chromium	**4.9 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AL**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Copper	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AM**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Nickel	**0.71 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AN**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Lead	**0.22 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AP**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Selenium	**6.3**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AQ**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-012 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EJ1AR
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Antimony	**0.37 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AT**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Vanadium	**1.4**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AU**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Zinc	**7.1**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EJ1AV**
		Dilution Factor: 1		Analysis Time..: 21:57	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	**0.036 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06EJ1AW**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 8302045	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-013 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**4.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AD**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EM1AE
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Arsenic	**0.46 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AF**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Barium	**17.4**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AG**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EM1AH
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Cadmium	**0.21 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AJ**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Cobalt	**0.28 B**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AK**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Chromium	**4.0 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AL**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Copper	**3.6**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AM**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Nickel	**6.6**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AN**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Lead	**0.40 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AP**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06EM1AQ
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-013 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EM1AR
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Antimony	**0.14 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AT**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Vanadium	**1.8**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AU**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	
Zinc	**14.8**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EM1AV**
		Dilution Factor: 1		Analysis Time..: 22:01	MS Run #.....: 8299080	

Prep Batch #...: 8302073

Mercury	**0.067 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06EM1AW**
		Dilution Factor: 1		Analysis Time..: 12:32	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-014 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**3.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AD**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EN1AE
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Arsenic	**2.9**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AF**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Barium	**28.1**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AG**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EN1AH
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Cadmium	**0.20 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AJ**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Cobalt	**2.4**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AK**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Chromium	**3.7 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AL**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Copper	**0.60 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AM**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Nickel	**2.0**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AN**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Lead	**0.42 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AP**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Selenium	**1.7 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EN1AQ**
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-41-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-014 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.024 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EN1AR
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Antimony	0.061 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06EN1AT
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EN1AU
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Zinc	14.4	5.0	ug/L	SW846 6020	10/25-11/05/08	K06EN1AV
		Dilution Factor: 1		Analysis Time..: 22:06	MS Run #.....: 8299080	
Prep Batch #...: 8302073						
Mercury	0.040 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06EN1AW
		Dilution Factor: 1		Analysis Time..: 12:33	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-015 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**3.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AD**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EP1AE
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Arsenic	**1.4**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AF**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Barium	**56.8**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AG**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EP1AH
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EP1AJ
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Cobalt	**0.47 B**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AK**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Chromium	**3.1 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AL**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Copper	**0.88 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AM**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Nickel	**1.6**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AN**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Lead	**0.29 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AP**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Selenium	**1.6 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AQ**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-015 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EP1AR
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Antimony	**0.070 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AT**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EP1AU
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	
Zinc	**8.2**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EP1AV**
		Dilution Factor: 1		Analysis Time..: 22:10	MS Run #.....: 8299080	

Prep Batch #...: 8302073

Mercury	**0.046 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06EP1AW**
		Dilution Factor: 1		Analysis Time..: 12:35	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-016 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**3.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AD**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EQ1AE
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Arsenic	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AF**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Barium	**31.6**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AG**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EQ1AH
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Cadmium	**0.29 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AJ**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Cobalt	**0.88**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AK**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Chromium	**3.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AL**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Copper	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AM**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AN**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Lead	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AP**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Selenium	**1.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AQ**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-34-28_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-016 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.035 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AR**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Antimony	**0.10 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AT**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06EQ1AU
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	
Zinc	**8.0**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06EQ1AV**
		Dilution Factor: 1		Analysis Time..: 22:14	MS Run #.....: 8299080	

Prep Batch #...: 8302073

Mercury	**0.035 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06EQ1AW**
		Dilution Factor: 1		Analysis Time..: 12:37	MS Run #.....: 8302045	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-017 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**2.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AD**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06ER1AE
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Arsenic	**0.71 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AF**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Barium	**46.5**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AG**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06ER1AH
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Cadmium	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AJ**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Cobalt	**0.89**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AK**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Chromium	**3.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AL**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Copper	**0.81 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AM**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Nickel	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AN**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Lead	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06ER1AP
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Selenium	**0.57 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AQ**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-12-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-017 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.043 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AR**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06ER1AT
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06ER1AU
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	
Zinc	**5.5**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06ER1AV**
		Dilution Factor: 1		Analysis Time..: 22:19	MS Run #.....: 8299080	

Prep Batch #...: 8302074

Mercury	**0.046 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06ER1AW**
		Dilution Factor: 1		Analysis Time..: 12:45	MS Run #.....: 8302047	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-018 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AD**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06E01AE
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Arsenic	**0.50 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AF**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Barium	**46.9**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AG**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06E01AH
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Cadmium	**0.17 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AJ**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Cobalt	**0.90**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AK**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Chromium	**3.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AL**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Copper	**0.73 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AM**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Nickel	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AN**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Lead	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06E01AP
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06E01AQ
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP002_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-018 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.044 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AR**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06E01AT
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06E01AU
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	
Zinc	**4.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06E01AV**
		Dilution Factor: 1		Analysis Time..: 22:23	MS Run #.....: 8299080	

Prep Batch #...: 8302074

Mercury	**0.055 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06E01AW**
		Dilution Factor: 1		Analysis Time..: 12:46	MS Run #.....: 8302047	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-019 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	**2.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AD**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FA1AE
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Arsenic	**0.64 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AF**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Barium	**5.4 B**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AG**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FA1AH
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Cadmium	**0.22 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AJ**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Cobalt	**0.23 B**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AK**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Chromium	**5.0 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AL**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Copper	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AM**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AN**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Lead	**0.51 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AP**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Selenium	**0.44 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AQ**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-019 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FA1AR
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FA1AT
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FA1AU
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	
Zinc	**9.7**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FA1AV**
		Dilution Factor: 1		Analysis Time..: 22:27	MS Run #.....: 8299080	

Prep Batch #...: 8302074

Mercury	**0.033 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06FA1AW**
		Dilution Factor: 1		Analysis Time..: 12:48	MS Run #.....: 8302047	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-020
Date Sampled...: 10/17/08 Date Received..: 10/18/08
Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299123						
Tin	3.3 B,J	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AD
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AE
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Arsenic	0.43 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AF
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Barium	15.3	10.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AG
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AH
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Cadmium	0.31 B,J	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AJ
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Cobalt	5.2	0.50	ug/L	SW846 6020	10/25-11/05/08	K06FG1AK
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Chromium	3.8 J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AL
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Copper	3.5	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AM
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Nickel	11.6	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AN
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Lead	0.25 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AP
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AQ
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-020 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.20 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FG1AR**
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AT
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FG1AU
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	
Zinc	**22.6**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FG1AV**
		Dilution Factor: 1		Analysis Time..: 22:31	MS Run #.....: 8299080	

Prep Batch #...: 8302074

Mercury	**0.037 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06FG1AW**
		Dilution Factor: 1		Analysis Time..: 12:50	MS Run #.....: 8302047	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-021 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**10.8 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AD**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FJ1AE
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Arsenic	**0.34 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AF**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Barium	**8.0 B**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AG**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FJ1AH
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Cadmium	**0.45 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AJ**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Cobalt	**1.8**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AK**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Chromium	**4.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AL**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Copper	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AM**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Nickel	**4.1**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AN**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Lead	**0.33 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FJ1AP**
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FJ1AQ
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-021 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.074 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FJ1AR
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Antimony	0.29 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FJ1AT
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Vanadium	0.28 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FJ1AU
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Zinc	18.9	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FJ1AV
		Dilution Factor: 1		Analysis Time..: 18:10	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.054 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06FJ1AW
		Dilution Factor: 1		Analysis Time..: 12:52	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-022 Matrix.....: W
Date Sampled...: 10/17/08 Date Received..: 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	10.0 J	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AD
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AE
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Arsenic	13.2	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AF
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Barium	44.0	10.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AG
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AH
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Cadmium	0.18 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AJ
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Cobalt	0.55	0.50	ug/L	SW846 6020	10/25-11/05/08	K06FK1AK
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Chromium	4.2 J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AL
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Copper	0.65 B	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AM
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Nickel	2.9	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AN
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Lead	0.12 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AP
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Selenium	0.49 B	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AQ
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-10-23_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-022 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.031 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AR
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Antimony	0.28 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AT
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Vanadium	1.3	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AU
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Zinc	9.1	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FK1AV
		Dilution Factor: 1		Analysis Time..: 18:14	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.041 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06FK1AW
		Dilution Factor: 1		Analysis Time..: 12:53	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-023 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**7.6 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AD**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FL1AE
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Arsenic	**1.1**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AF**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Barium	**12.7**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AG**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FL1AH
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Cadmium	**0.14 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AJ**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Cobalt	**10.1**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AK**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Chromium	**3.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AL**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Copper	**0.48 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AM**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Nickel	**5.4**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AN**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Lead	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FL1AP**
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FL1AQ
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-29-49_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-023 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.032 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FL1AR
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Antimony	0.12 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FL1AT
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Vanadium	0.30 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FL1AU
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Zinc	37.1	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FL1AV
		Dilution Factor: 1		Analysis Time..: 18:18	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.043 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06FL1AW
		Dilution Factor: 1		Analysis Time..: 12:55	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-024 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**7.8 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1AH**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FM1AL
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FM1AP
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Barium	**57.2**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1AT**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FM1AW
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Cadmium	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1A1**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Cobalt	**0.62**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1A4**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Chromium	**4.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1A7**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Copper	**1.7 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1CA**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Nickel	**2.1**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1CE**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Lead	**0.28 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1CH**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Selenium	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FM1CL**
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-28-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-024 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.023 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FM1CP
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Antimony	0.087 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FM1CT
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FM1CW
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Zinc	14.2	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FM1C1
		Dilution Factor: 1		Analysis Time..: 18:22	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.035 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06FM1C4
		Dilution Factor: 1		Analysis Time..: 12:57	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-025 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**11.5 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AD**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FQ1AE
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Arsenic	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AF**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Barium	**66.4**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AG**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FQ1AH
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Cadmium	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AJ**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Cobalt	**1.2**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AK**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Chromium	**4.7 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AL**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Copper	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AM**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Nickel	**2.0**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AN**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Lead	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AP**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Selenium	**1.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06FQ1AQ**
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-27-17_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-025 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.073 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FQ1AR
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Antimony	0.49 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FQ1AT
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Vanadium	0.38 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FQ1AU
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Zinc	31.0	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FQ1AV
		Dilution Factor: 1		Analysis Time..: 18:54	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.037 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06FQ1AW
		Dilution Factor: 1		Analysis Time..: 13:05	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-026 Matrix.....: W
Date Sampled...: 10/17/08 Date Received..: 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	8.0 J	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AD
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Silver	0.079 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AE
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Arsenic	0.70 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AF
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Barium	39.5	10.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AG
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AH
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Cadmium	0.27 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AJ
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Cobalt	1.0	0.50	ug/L	SW846 6020	10/25-11/05/08	K06FV1AK
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Chromium	4.1 J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AL
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Copper	0.91 B	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AM
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Nickel	1.9	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AN
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Lead	0.26 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AP
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Selenium	1.6 B	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AQ
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-026 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.068 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AR
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Antimony	0.23 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AT
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Vanadium	0.37 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AU
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Zinc	8.6	5.0	ug/L	SW846 6020	10/25-11/05/08	K06FV1AV
		Dilution Factor: 1		Analysis Time..: 18:58	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.060 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06FV1AW
		Dilution Factor: 1		Analysis Time..: 13:07	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-027
Date Sampled...: 10/17/08 Date Received..: 10/18/08
Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	6.1 J	5.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AD
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AE
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Arsenic	0.90 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AF
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Barium	52.8	10.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AG
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AH
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Cadmium	0.22 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AJ
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Cobalt	3.3	0.50	ug/L	SW846 6020	10/25-11/05/08	K06F01AK
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Chromium	3.8 J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AL
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Copper	1.9 B	2.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AM
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Nickel	11.8	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AN
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Lead	0.58 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AP
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Selenium	2.7 B	5.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AQ
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-23-42_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-027 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.14 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AR
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Antimony	0.13 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AT
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Vanadium	0.20 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AU
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Zinc	23.4	5.0	ug/L	SW846 6020	10/25-11/05/08	K06F01AV
		Dilution Factor: 1		Analysis Time..: 19:03	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.062 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06F01AW
		Dilution Factor: 1		Analysis Time..: 13:08	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-028 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**5.9 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AD**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F31AE
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Arsenic	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AF**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Barium	**72.9**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AG**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F31AH
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Cadmium	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AJ**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Cobalt	**1.4**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AK**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Chromium	**4.0 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AL**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Copper	**0.88 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AM**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Nickel	**1.4**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AN**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Lead	**0.027 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AP**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Selenium	**4.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AQ**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-21-20_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-028 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F31AR
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Antimony	**0.087 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AT**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F31AU
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	
Zinc	**6.9**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F31AV**
		Dilution Factor: 1		Analysis Time..: 19:07	MS Run #.....: 8299081	

Prep Batch #...: 8302074

Mercury	**0.055 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06F31AW**
		Dilution Factor: 1		Analysis Time..: 13:10	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-029 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**6.0 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AD**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F41AE
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Arsenic	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AF**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Barium	**55.3**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AG**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F41AH
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Cadmium	**0.53 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AJ**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Cobalt	**0.72**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AK**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Chromium	**3.6 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AL**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Copper	**2.9**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AM**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Nickel	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AN**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Lead	**0.31 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AP**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Selenium	**4.5 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F41AQ**
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-22-32_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-029 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.039 B	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F41AR
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Antimony	0.073 B,J	2.0	ug/L	SW846 6020	10/25-11/05/08	K06F41AT
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F41AU
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Zinc	15.6	5.0	ug/L	SW846 6020	10/25-11/05/08	K06F41AV
		Dilution Factor: 1		Analysis Time..: 19:11	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	0.040 B,J	0.20	ug/L	SW846 7470A	10/28/08	K06F41AW
		Dilution Factor: 1		Analysis Time..: 13:12	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-030 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**5.3 J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AD**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F51AE
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F51AF
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Barium	**37.1**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AG**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F51AH
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Cadmium	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AJ**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Cobalt	**0.83**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AK**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Chromium	**3.5 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AL**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Copper	**0.75 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AM**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Nickel	**1.7**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AN**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Lead	**0.091 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AP**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Selenium	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AQ**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-003_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-030 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F51AR
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Antimony	**0.11 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AT**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F51AU
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	
Zinc	**3.7 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F51AV**
		Dilution Factor: 1		Analysis Time..: 19:16	MS Run #.....: 8299081	

Prep Batch #...: 8302074

Mercury	**0.041 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06F51AW**
		Dilution Factor: 1		Analysis Time..: 13:13	MS Run #.....: 8302047	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-031 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**4.4 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AD**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F91AE
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F91AF
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Barium	ND	10.0	ug/L	SW846 6020	10/25-11/05/08	K06F91AG
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F91AH
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Cadmium	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AJ**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Cobalt	ND	0.50	ug/L	SW846 6020	10/25-11/05/08	K06F91AK
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Chromium	**2.9 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AL**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Copper	**0.79 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AM**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Nickel	**0.092 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AN**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Lead	**0.26 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AP**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Selenium	**0.76 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AQ**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB04_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-031 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F91AR
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Antimony	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K06F91AT
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06F91AU
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	
Zinc	**4.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06F91AV**
		Dilution Factor: 1		Analysis Time..: 19:20	MS Run #.....: 8299081	

Prep Batch #...: 8302074

Mercury	**0.051 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06F91AW**
		Dilution Factor: 1		Analysis Time..: 13:15	MS Run #.....: 8302047	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-033 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8299125						
Tin	**4.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AD**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06J41AE
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Arsenic	**15.8**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AF**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Barium	**111**	**10.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AG**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06J41AH
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06J41AJ
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Cobalt	**0.80**	**0.50**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AK**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Chromium	**3.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AL**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Copper	**0.40 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AM**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Nickel	**2.6**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AN**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Lead	**0.43 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AP**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Selenium	**0.77 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AQ**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J180168-033 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K06J41AR
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Antimony	**0.11 B,J**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AT**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Vanadium	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AU**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Zinc	**6.7**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K06J41AV**
		Dilution Factor: 1		Analysis Time..: 19:24	MS Run #.....: 8299081	
Prep Batch #...: 8302074						
Mercury	**0.037 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K06J41AW**
		Dilution Factor: 1		Analysis Time..: 13:17	MS Run #.....: 8302047	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C8J250000-123 **Prep Batch #...:** 8299123						
Tin	**1.6 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCC1AA**
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AC
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AD
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Barium	ND	10.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AE
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AF
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Cadmium	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCC1AG**
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Cobalt	ND	0.50	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AH
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Chromium	**0.63 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCC1AJ**
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Copper	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AK
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Nickel	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AL
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Lead	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AM
		Dilution Factor: 1				
		Analysis Time..: 20:12				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AN
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Thallium	**0.072 B**	**1.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCC1AP**
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Antimony	**0.070 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCC1AQ**
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AR
		Dilution Factor: 1				
		Analysis Time..: 20:12				
Zinc	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K1MCC1AT
		Dilution Factor: 1				
		Analysis Time..: 20:12				

MB Lot-Sample #: C8J250000-125 **Prep Batch #...:** 8299125

Tin	**2.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCM1AA**
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Silver	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AC
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Arsenic	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AD
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Barium	ND	10.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AE
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Beryllium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AF
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Cadmium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AG
		Dilution Factor: 1				
		Analysis Time..: 17:57				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	0.50	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AH
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Chromium	**0.32 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCM1AJ**
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Copper	ND	2.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AK
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Nickel	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AL
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Lead	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AM
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Selenium	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AN
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Thallium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AP
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Antimony	**0.13 B**	**2.0**	**ug/L**	**SW846 6020**	**10/25-11/05/08**	**K1MCM1AQ**
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Vanadium	ND	1.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AR
		Dilution Factor: 1				
		Analysis Time..: 17:57				
Zinc	ND	5.0	ug/L	SW846 6020	10/25-11/05/08	K1MCM1AT
		Dilution Factor: 1				
		Analysis Time..: 17:57				

MB Lot-Sample #: C8J280000-073 **Prep Batch #...:** 8302073

Mercury	**0.046 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K1PVR1AA**
		Dilution Factor: 1				
		Analysis Time..: 12:02				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C8J280000-074 **Prep Batch #...:** 8302074						
Mercury	**0.026 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/28/08**	**K1PV41AA**
		Dilution Factor: 1				
		Analysis Time..: 12:41				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C8J250000-123 **Prep Batch #...:** 8299123					
Tin	85	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1AU
		Dilution Factor: 1	Analysis Time..: 20:16		
Silver	100	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1AV
		Dilution Factor: 1	Analysis Time..: 20:16		
Arsenic	96	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1AW
		Dilution Factor: 1	Analysis Time..: 20:16		
Barium	90	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1AX
		Dilution Factor: 1	Analysis Time..: 20:16		
Beryllium	105	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A0
		Dilution Factor: 1	Analysis Time..: 20:16		
Cadmium	100	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A1
		Dilution Factor: 1	Analysis Time..: 20:16		
Cobalt	99	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A2
		Dilution Factor: 1	Analysis Time..: 20:16		
Chromium	96	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A3
		Dilution Factor: 1	Analysis Time..: 20:16		
Copper	105	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A4
		Dilution Factor: 1	Analysis Time..: 20:16		
Nickel	101	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A5
		Dilution Factor: 1	Analysis Time..: 20:16		
Lead	91	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A6
		Dilution Factor: 1	Analysis Time..: 20:16		
Selenium	91	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A7
		Dilution Factor: 1	Analysis Time..: 20:16		
Thallium	89	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A8
		Dilution Factor: 1	Analysis Time..: 20:16		
Antimony	90	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1A9
		Dilution Factor: 1	Analysis Time..: 20:16		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	94	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1CA
		Dilution Factor: 1	Analysis Time..: 20:16		
Zinc	104	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCC1CC
		Dilution Factor: 1	Analysis Time..: 20:16		
LCS Lot-Sample#: C8J250000-125 **Prep Batch #...:** 8299125					
Tin	86	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1AU
		Dilution Factor: 1	Analysis Time..: 18:01		
Silver	102	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1AV
		Dilution Factor: 1	Analysis Time..: 18:01		
Arsenic	96	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1AW
		Dilution Factor: 1	Analysis Time..: 18:01		
Barium	89	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1AX
		Dilution Factor: 1	Analysis Time..: 18:01		
Beryllium	105	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A0
		Dilution Factor: 1	Analysis Time..: 18:01		
Cadmium	103	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A1
		Dilution Factor: 1	Analysis Time..: 18:01		
Cobalt	97	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A2
		Dilution Factor: 1	Analysis Time..: 18:01		
Chromium	95	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A3
		Dilution Factor: 1	Analysis Time..: 18:01		
Copper	104	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A4
		Dilution Factor: 1	Analysis Time..: 18:01		
Nickel	98	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A5
		Dilution Factor: 1	Analysis Time..: 18:01		
Lead	94	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A6
		Dilution Factor: 1	Analysis Time..: 18:01		
Selenium	111	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A7
		Dilution Factor: 1	Analysis Time..: 18:01		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	90	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A8
		Dilution Factor: 1	Analysis Time..: 18:01		
Antimony	92	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1A9
		Dilution Factor: 1	Analysis Time..: 18:01		
Vanadium	92	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1CA
		Dilution Factor: 1	Analysis Time..: 18:01		
Zinc	107	(80 - 120)	SW846 6020	10/25-11/05/08	K1MCM1CC
		Dilution Factor: 1	Analysis Time..: 18:01		
LCS Lot-Sample#: C8J280000-073 **Prep Batch #...:** 8302073					
Mercury	93	(80 - 120)	SW846 7470A	10/28/08	K1PVR1AC
		Dilution Factor: 1	Analysis Time..: 12:03		
LCS Lot-Sample#: C8J280000-074 **Prep Batch #...:** 8302074					
Mercury	98	(80 - 120)	SW846 7470A	10/28/08	K1PV41AC
		Dilution Factor: 1	Analysis Time..: 12:43		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8J180168-005 **Prep Batch #...:** 8299123							
Tin	86	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81A3
	87	(75 - 125)	1.3	(0-20)	SW846 6020	10/25-11/05/08	K06C81A4
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Silver	97	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81A5
	100	(75 - 125)	2.7	(0-20)	SW846 6020	10/25-11/05/08	K06C81A6
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Arsenic	96	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81A7
	97	(75 - 125)	0.64	(0-20)	SW846 6020	10/25-11/05/08	K06C81A8
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Barium	89	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81A9
	91	(75 - 125)	2.0	(0-20)	SW846 6020	10/25-11/05/08	K06C81CA
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Beryllium	104	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CC
	110	(75 - 125)	5.4	(0-20)	SW846 6020	10/25-11/05/08	K06C81CD
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Cadmium	99	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CE
	100	(75 - 125)	1.3	(0-20)	SW846 6020	10/25-11/05/08	K06C81CF
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Cobalt	95	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CG
	98	(75 - 125)	2.8	(0-20)	SW846 6020	10/25-11/05/08	K06C81CH
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	92	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CJ
	95	(75 - 125)	2.6	(0-20)	SW846 6020	10/25-11/05/08	K06C81CK
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Copper	99	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CL
	99	(75 - 125)	0.40	(0-20)	SW846 6020	10/25-11/05/08	K06C81CM
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Nickel	95	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CN
	98	(75 - 125)	3.2	(0-20)	SW846 6020	10/25-11/05/08	K06C81CP
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Lead	91	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CQ
	94	(75 - 125)	2.5	(0-20)	SW846 6020	10/25-11/05/08	K06C81CR
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Selenium	92	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CT
	92	(75 - 125)	0.09	(0-20)	SW846 6020	10/25-11/05/08	K06C81CU
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Thallium	89	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CV
	92	(75 - 125)	2.9	(0-20)	SW846 6020	10/25-11/05/08	K06C81CW
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Antimony	93	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81CX
	92	(75 - 125)	0.64	(0-20)	SW846 6020	10/25-11/05/08	K06C81C0
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** W
Date Sampled...: 10/16/08 **Date Received..:** 10/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	93	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81C1
	95	(75 - 125)	2.7	(0-20)	SW846 6020	10/25-11/05/08	K06C81C2
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					
Zinc	99	(75 - 125)			SW846 6020	10/25-11/05/08	K06C81C3
	102	(75 - 125)	3.2	(0-20)	SW846 6020	10/25-11/05/08	K06C81C4
		Dilution Factor: 1					
		Analysis Time..: 21:05					
		MS Run #.....: 8299080					

MS Lot-Sample #: C8J180168-005 **Prep Batch #...:** 8302073

Mercury	94	(75 - 125)			SW846 7470A	10/28/08	K06C81C5
	96	(75 - 125)	2.1	(0-20)	SW846 7470A	10/28/08	K06C81C6
		Dilution Factor: 1					
		Analysis Time..: 12:13					
		MS Run #.....: 8302045					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8J180168-024 **Prep Batch #...:** 8299125							
Tin	84	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1AJ
	83	(75 - 125)	1.4	(0-20)	SW846 6020	10/25-11/05/08	K06FM1AK
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Silver	97	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1AM
	98	(75 - 125)	0.67	(0-20)	SW846 6020	10/25-11/05/08	K06FM1AN
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Arsenic	94	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1AQ
	95	(75 - 125)	0.58	(0-20)	SW846 6020	10/25-11/05/08	K06FM1AR
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Barium	88	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1AU
	88	(75 - 125)	0.44	(0-20)	SW846 6020	10/25-11/05/08	K06FM1AV
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Beryllium	107	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1AX
	109	(75 - 125)	2.0	(0-20)	SW846 6020	10/25-11/05/08	K06FM1A0
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Cadmium	99	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1A2
	99	(75 - 125)	0.48	(0-20)	SW846 6020	10/25-11/05/08	K06FM1A3
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Cobalt	93	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1A5
	95	(75 - 125)	1.5	(0-20)	SW846 6020	10/25-11/05/08	K06FM1A6
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	90	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1A8
	91	(75 - 125)	0.96	(0-20)	SW846 6020	10/25-11/05/08	K06FM1A9
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Copper	95	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1CC
	95	(75 - 125)	0.16	(0-20)	SW846 6020	10/25-11/05/08	K06FM1CD
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Nickel	93	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1CF
	94	(75 - 125)	0.93	(0-20)	SW846 6020	10/25-11/05/08	K06FM1CG
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Lead	94	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1CJ
	95	(75 - 125)	0.73	(0-20)	SW846 6020	10/25-11/05/08	K06FM1CK
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Selenium	97	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1CM
	91	(75 - 125)	5.0	(0-20)	SW846 6020	10/25-11/05/08	K06FM1CN
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Thallium	91	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1CQ
	92	(75 - 125)	1.4	(0-20)	SW846 6020	10/25-11/05/08	K06FM1CR
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Antimony	91	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1CU
	90	(75 - 125)	1.7	(0-20)	SW846 6020	10/25-11/05/08	K06FM1CV
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J180168 **Matrix.....:** W
Date Sampled...: 10/17/08 **Date Received..:** 10/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	90	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1CX
	92	(75 - 125)	1.4	(0-20)	SW846 6020	10/25-11/05/08	K06FM1C0
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					
Zinc	96	(75 - 125)			SW846 6020	10/25-11/05/08	K06FM1C2
	97	(75 - 125)	1.0	(0-20)	SW846 6020	10/25-11/05/08	K06FM1C3
		Dilution Factor: 1					
		Analysis Time..: 18:31					
		MS Run #.....: 8299081					

MS Lot-Sample #: C8J180168-024 **Prep Batch #...:** 8302074

Mercury	92	(75 - 125)			SW846 7470A	10/28/08	K06FM1C5
	98	(75 - 125)	5.6	(0-20)	SW846 7470A	10/28/08	K06FM1C6
		Dilution Factor: 1					
		Analysis Time..: 13:02					
		MS Run #.....: 8302047					

NOTE(S):

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. GWM

Langan/USS Fairless Site

Lot #: C8J220361

Judd Herr

Langan Engineering & Environme
2700 Kelly Road
Suite 200
Warrington, PA 18976

TESTAMERICA LABORATORIES, INC.

Kathryn L. Bort
Project Manager

November 17, 2008

301 Alpha Drive Pittsburgh, PA 15238 **tel** 412.963.7058 **fax** 412.963.2468 **www.testamericainc.com**

CASE NARRATIVE

Langan

Lot # C8J220361

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on October 20, 2008. The coolers were received between 2.0 and 2.2°C.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D in calibration verification standard AC5102080, was > 25% for 2-chloro-1, 3-butadiene (38.73%), isobutanol (-29.8%), and vinyl acetate (-26.09%). These are within the expected performance range.

The %D in calibration verification standard CC5102908, was > 25% for dichlorodifluoromethane (43.75%) and trichlorofluoromethane (28.83%). These are within the expected performance range.

GC/MS Semivolatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Butyl benzyl phthalate and di-n-butyl phthalate were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "J" qualifier. Sample results for these two compounds are flagged with a "B" qualifier.

Metals:
Chromium, tin and zinc were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "B" qualifier. Sample results fot these analytes are flagged with a "J" qualifier.

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E87660)	WW	X
		HW	X
Illinois – NELAC	(#200005)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#93200)	WW	X
		HW	X
New Hampshire – NELAC	(#203002)	WW	X
		--	--
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 12/28/07 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

C8J220361

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Langan	Project Manager: Brian McGuire	Date: 10-21-08	Chain of Custody Number: 050842
Address: PO Box 1569	Telephone Number (Area Code)/Fax Number: 215-~~[illegible]~~ 491-6500	Lab Number: C8J220361	Page 1 of 1
City: Doylestown; State: Pa; Zip Code: 18901	Site Contact: J. Cutrecks	Lab Contact: E Snyder	
Project Name and Location (State): US Steel Fairless Hills PA	Carrier/Waybill Number: TA Courier		
Contract/Purchase Order/Quote No.: 2634102			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): 8260B	8270C	Metals + Hg	Special Instructions/ Conditions of Receipt
MW1-12-29-10-08	10.20.08	1010		X				2			3				X	X	X	
MW1-27-19-10-08	10.20.08	0953		X				2			3				X	X	X	
MW5-25-27-10-08	10.20.08	1030		X				2			3				X	X	X	
MW5-26-52-10-08	10.20.08	1310		X				2			3				X	X	X	
MW5-31-21-10-08	10.20.08	1435		X				2			3				X	X	X	
MW5-32-31-10-08	10.20.08	1312		X				2			3				X	X	X	
MW5-33-41-10-08	10.20.08	1217		X				2			3				X	X	X	
MW1-12-29-10-08 MS/MSD	10.20.08	1010		X				4			6				X	X	X	
MW4-30-63-10-08	10.20.08	1545		X				2			3				X	X	X	
DUP	10.20.08	--		X				2			3				X	X	X	
FB-05-10-08	10.20.08	1630		X				2			3				X	X	X	
TB-03	-	-		X							2				X	X	X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10-21-08	1205	1. Received By	10/21/08	1205
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By	10/22/8	1110

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHODS SUMMARY

C8J220361

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C8J220361

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K1EDJ	002	MW1-27-19_10-08	10/20/08	09:53
K1EDK	003	MW5-25-27_10-08	10/20/08	10:30
K1EDL	004	MW5-26-52_10-08	10/20/08	13:10
K1EDM	005	MW5-31-21_10-08	10/20/08	14:35
K1EDP	006	MW5-32-31_10-08	10/20/08	13:12
K1EDT	007	MW5-33-41_10-08	10/20/08	12:17
K1EDV	008	MW1-12-29_10-08	10/20/08	10:10
K1EDX	009	MW4-30-63_10-08	10/20/08	15:45
K1ED0	010	DUP004	10/20/08	
K1ED1	011	FB-05_10-08	10/20/08	16:30
K1ED2	012	TB-03	10/20/08	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-002 **Work Order #...:** K1EDJ1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 15:22
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.7 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-002 **Work Order #...:** K1EDJ1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-003 **Work Order #...:** K1EDK1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 15:46
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-003 **Work Order #...:** K1EDK1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-004 **Work Order #...:** K1EDL1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8303190
Prep Date.....: 10/29/08 **Analysis Date..:** 10/29/08
Prep Batch #...: 8303288 **Analysis Time..:** 12:01
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-004 **Work Order #...:** K1EDL1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	97	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-31-21_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-005 **Work Order #...:** K1EDM1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 16:55
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Client Sample ID: MW5-31-21_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-005 **Work Order #...:** K1EDM1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-006 **Work Order #...:** K1EDP1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8303190
Prep Date.....: 10/29/08 **Analysis Date..:** 10/29/08
Prep Batch #...: 8303288 **Analysis Time..:** 09:49
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-006 **Work Order #...:** K1EDP1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	97	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-007 **Work Order #...:** K1EDT1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8303190
Prep Date.....: 10/29/08 **Analysis Date..:** 10/29/08
Prep Batch #...: 8303288 **Analysis Time..:** 12:25
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-007 **Work Order #...:** K1EDT1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	99	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-008 **Work Order #...:** K1EDV1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 09:17
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-008 **Work Order #...:** K1EDV1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-009 **Work Order #...:** K1EDX1AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8303190
Prep Date.....: 10/29/08 **Analysis Date..:** 10/29/08
Prep Batch #...: 8303288 **Analysis Time..:** 12:48
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**4.1 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**1.1 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-009 **Work Order #...:** K1EDX1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

GC/MS Volatiles

Lot-Sample #...: C8J220361-010
Date Sampled...: 10/20/08
Prep Date.....: 10/29/08
Prep Batch #...: 8303288
Dilution Factor: 1

Work Order #...: K1ED01AA
Date Received..: 10/22/08
Analysis Date..: 10/29/08
Analysis Time..: 13:11

Matrix.....: W
MS Run #.....: 8303190

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

GC/MS Volatiles

Lot-Sample #...: C8J220361-010 **Work Order #...:** K1ED01AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	97	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	95	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-011 **Work Order #...:** K1ED11AA **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8302123
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 16:32
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.72 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

GC/MS Volatiles

Lot-Sample #...: C8J220361-011 **Work Order #...:** K1ED11AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: TB-03

GC/MS Volatiles

Lot-Sample #...: C8J220361-012
Date Sampled...: 10/20/08
Prep Date.....: 10/28/08
Prep Batch #...: 8302208
Dilution Factor: 1

Work Order #...: K1ED21AA
Date Received..: 10/22/08
Analysis Date..: 10/28/08
Analysis Time..: 09:40

Matrix.....: W
MS Run #.....: 8302123

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**4.2 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.63 J**	**5.0**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: TB-03

GC/MS Volatiles

Lot-Sample #...: C8J220361-012 **Work Order #...:** K1ED21AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**2.0**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J220361 **Work Order #...:** K1P5W1AA **Matrix.....:** WATER
MB Lot-Sample #: C8J280000-208

Prep Date.....: 10/28/08 **Analysis Time..:** 08:32
Analysis Date..: 10/28/08 **Prep Batch #...:** 8302208
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J220361 **Work Order #...:** K1P5W1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J220361 **Work Order #...:** K1VAP1AA **Matrix.....:** WATER
MB Lot-Sample #: C8J290000-288

Prep Date.....: 10/29/08 **Analysis Time..:** 09:11
Analysis Date..: 10/29/08 **Prep Batch #...:** 8303288
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8J220361 **Work Order #...:** K1VAP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	98	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	98	(70 - 128)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J220361 **Work Order #...:** K1P5W1AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J280000-208
Prep Date.....: 10/28/08 **Analysis Date..:** 10/28/08
Prep Batch #...: 8302208 **Analysis Time..:** 10:07
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**97**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**106**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**109**	**(65 - 136)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**98**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J220361 **Work Order #...:** K1VAP1AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J290000-288
Prep Date.....: 10/29/08 **Analysis Date..:** 10/29/08
Prep Batch #...: 8303288 **Analysis Time..:** 11:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**107**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**115**	**(65 - 136)**	**SW846 8260B**
Toluene	**106**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**111**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	97	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J220361
MS Lot-Sample #: C8J220361-008
Date Sampled...: 10/20/08
Prep Date.....: 10/28/08
Prep Batch #...: 8302208
Dilution Factor: 1

Work Order #...: K1EDV1AC-MS
K1EDV1AD-MSD
Date Received..: 10/22/08
Analysis Date..: 10/28/08
Analysis Time..: 10:30

Matrix.....: W
MS Run #.....: 8302123

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	90	**(80 - 120)**	**5.8**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**106**	**(80 - 120)**			**SW846 8260B**
	102	**(80 - 120)**	**3.7**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(65 - 136)**			**SW846 8260B**
	98	**(65 - 136)**	**9.7**	**(0-35)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**			**SW846 8260B**
	95	**(80 - 123)**	**5.2**	**(0-35)**	**SW846 8260B**
Trichloroethene	**99**	**(73 - 120)**			**SW846 8260B**
	93	**(73 - 120)**	**6.4**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
	97	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
	96	(64 - 135)
4-Bromofluorobenzene	93	(70 - 118)
	95	(70 - 118)
Dibromofluoromethane	100	(70 - 128)
	98	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8J220361
MS Lot-Sample #: C8J220361-006
Date Sampled...: 10/20/08
Prep Date.....: 10/29/08
Prep Batch #...: 8303288
Dilution Factor: 1

Work Order #...: K1EDP1AX-MS
K1EDP1A0-MSD
Date Received..: 10/22/08
Analysis Date..: 10/29/08
Analysis Time..: 10:38

Matrix.....: W
MS Run #.....: 8303190

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	98	**(80 - 120)**	**2.0**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**100**	**(80 - 120)**			**SW846 8260B**
	102	**(80 - 120)**	**1.3**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**108**	**(65 - 136)**			**SW846 8260B**
	111	**(65 - 136)**	**2.0**	**(0-35)**	**SW846 8260B**
Toluene	**102**	**(80 - 123)**			**SW846 8260B**
	103	**(80 - 123)**	**0.78**	**(0-35)**	**SW846 8260B**
Trichloroethene	**104**	**(73 - 120)**			**SW846 8260B**
	106	**(73 - 120)**	**2.2**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
	100	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
	98	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
	93	(70 - 118)
Dibromofluoromethane	97	(70 - 128)
	97	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-002 **Work Order #...:** K1EDJ1AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/12/08
Prep Batch #...: 8301121 **Analysis Time..:** 22:02
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.39**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.29 J,B**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.057 J**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.32 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-002 **Work Order #...:** K1EDJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	**0.079 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.47**	**0.21**	**ug/L**
Fluorene	**0.42**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-002 **Work Order #...:** K1EDJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.067 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.095 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.14 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-002 **Work Order #...:** K1EDJ1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	66	(23 - 112)
Terphenyl-d14	48	(10 - 132)
2-Fluorobiphenyl	70	(19 - 107)
2-Fluorophenol	48	(10 - 111)
Phenol-d5	56	(15 - 112)
2,4,6-Tribromophenol	78	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-27-19_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-002 **Work Order #:** K1EDJ1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-003 **Work Order #...:** K1EDK1AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/12/08
Prep Batch #...: 8301121 **Analysis Time..:** 22:22
Dilution Factor: 1.19

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.24	ug/L
Acenaphthylene	ND	0.24	ug/L
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	**0.11 J**	**1.2**	**ug/L**
Anthracene	**0.51**	**0.24**	**ug/L**
Benzo(a)anthracene	**0.28**	**0.24**	**ug/L**
Benzo(a)pyrene	**0.63**	**0.24**	**ug/L**
Benzo(b)fluoranthene	**1.1**	**0.24**	**ug/L**
Benzo(ghi)perylene	**0.90**	**0.24**	**ug/L**
Benzo(k)fluoranthene	**0.70**	**0.24**	**ug/L**
Benzyl alcohol	ND	1.2	ug/L
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	**0.089 J**	**0.24**	**ug/L**
bis(2-Ethylhexyl) phthalate	**0.92 J**	**1.2**	**ug/L**
4-Bromophenyl phenyl ether	**0.065 J**	**1.2**	**ug/L**
Butyl benzyl phthalate	**0.58 J,B**	**1.2**	**ug/L**
4-Chloroaniline	**0.28 J**	**1.2**	**ug/L**
4-Chloro-3-methylphenol	**0.16 J**	**1.2**	**ug/L**
2-Chloronaphthalene	ND	0.24	ug/L
2-Chlorophenol	**0.055 J**	**1.2**	**ug/L**
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	**0.27**	**0.24**	**ug/L**
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	ND	0.24	ug/L
Dibenzofuran	ND	1.2	ug/L
Di-n-butyl phthalate	**0.31 J,B**	**1.2**	**ug/L**
1,2-Dichlorobenzene	ND	0.24	ug/L
1,3-Dichlorobenzene	ND	0.24	ug/L
1,4-Dichlorobenzene	ND	0.24	ug/L
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	**0.11 J**	**0.24**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-003 **Work Order #...:** K1EDK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.24	ug/L
Diethyl phthalate	ND	1.2	ug/L
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethylamine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	**0.93 J**	**1.2**	**ug/L**
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	6.0	ug/L
2,4-Dinitrophenol	ND	6.0	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	**0.18 J**	**1.2**	**ug/L**
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	**0.61**	**0.24**	**ug/L**
Fluorene	**0.48**	**0.24**	**ug/L**
Hexachlorobenzene	ND	0.24	ug/L
Hexachlorobutadiene	ND	0.24	ug/L
Hexachlorocyclopentadiene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	**1.1**	**0.24**	**ug/L**
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.8	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	ND	0.24	ug/L
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	**0.071 J**	**1.2**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.24 J**	**1.2**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-003 **Work Order #...:** K1EDK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.24	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	**0.26 J**	**6.0**	**ug/L**
3-Nitroaniline	**0.35 J**	**6.0**	**ug/L**
4-Nitroaniline	**0.36 J**	**6.0**	**ug/L**
Nitrobenzene	ND	0.24	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	**1.4 J**	**6.0**	**ug/L**
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.24	ug/L
N-Nitrosodiphenylamine	**0.14 J**	**0.24**	**ug/L**
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.24	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.4	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	**1.0 J**	**1.2**	**ug/L**
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.19 J**	**0.24**	**ug/L**
Phenol	ND	0.24	ug/L
p-Phenylene diamine	ND	48	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	**0.25**	**0.24**	**ug/L**
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-003 **Work Order #...:** K1EDK1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	**0.15 J**	**1.2**	**ug/L**
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.24	ug/L
2,4,5-Trichloro-phenol	**0.19 J**	**1.2**	**ug/L**
2,4,6-Trichloro-phenol	**0.075 J**	**1.2**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	39	(23 - 112)
Terphenyl-d14	36	(10 - 132)
2-Fluorobiphenyl	38	(19 - 107)
2-Fluorophenol	27	(10 - 111)
Phenol-d5	33	(15 - 112)
2,4,6-Tribromophenol	48	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-25-27_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-003 **Work Order #:** K1EDK1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-004
Date Sampled...: 10/20/08
Prep Date.....: 10/27/08
Prep Batch #...: 8301121
Dilution Factor: 1.16

Work Order #...: K1EDL1AC
Date Received..: 10/22/08
Analysis Date..: 11/12/08
Analysis Time..: 22:41

Matrix.....: W
MS Run #.....: 8301080

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.23	ug/L
Acenaphthylene	ND	0.23	ug/L
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	**0.13 J**	**1.2**	**ug/L**
Anthracene	**0.47**	**0.23**	**ug/L**
Benzo(a)anthracene	**0.21 J**	**0.23**	**ug/L**
Benzo(a)pyrene	**0.55**	**0.23**	**ug/L**
Benzo(b)fluoranthene	**1.0**	**0.23**	**ug/L**
Benzo(ghi)perylene	**0.87**	**0.23**	**ug/L**
Benzo(k)fluoranthene	**0.64**	**0.23**	**ug/L**
Benzyl alcohol	ND	1.2	ug/L
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.23	ug/L
bis(2-Ethylhexyl) phthalate	**0.62 J**	**1.2**	**ug/L**
4-Bromophenyl phenyl ether	**0.072 J**	**1.2**	**ug/L**
Butyl benzyl phthalate	**0.34 J,B**	**1.2**	**ug/L**
4-Chloroaniline	**0.20 J**	**1.2**	**ug/L**
4-Chloro-3-methylphenol	**0.12 J**	**1.2**	**ug/L**
2-Chloronaphthalene	ND	0.23	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	**0.067 J**	**1.2**	**ug/L**
Chrysene	**0.21 J**	**0.23**	**ug/L**
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	**1.2**	**0.23**	**ug/L**
Dibenzofuran	**0.083 J**	**1.2**	**ug/L**
Di-n-butyl phthalate	**0.30 J,B**	**1.2**	**ug/L**
1,2-Dichlorobenzene	ND	0.23	ug/L
1,3-Dichlorobenzene	ND	0.23	ug/L
1,4-Dichlorobenzene	ND	0.23	ug/L
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	**0.085 J**	**0.23**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-004 **Work Order #...:** K1EDL1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.23	ug/L
Diethyl phthalate	ND	1.2	ug/L
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethylamine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	**0.077 J**	**1.2**	**ug/L**
Di-n-octyl phthalate	**0.84 J**	**1.2**	**ug/L**
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	5.8	ug/L
2,4-Dinitrophenol	ND	5.8	ug/L
2,4-Dinitrotoluene	**0.10 J**	**1.2**	**ug/L**
2,6-Dinitrotoluene	**0.064 J**	**1.2**	**ug/L**
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	**0.60**	**0.23**	**ug/L**
Fluorene	**0.47**	**0.23**	**ug/L**
Hexachlorobenzene	**0.063 J**	**0.23**	**ug/L**
Hexachlorobutadiene	ND	0.23	ug/L
Hexachlorocyclopentadiene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	**1.1**	**0.23**	**ug/L**
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.6	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	ND	0.23	ug/L
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	**0.20 J**	**1.2**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-004 **Work Order #...:** K1EDL1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.051 J**	**0.23**	**ug/L**
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	**0.18 J**	**5.8**	**ug/L**
3-Nitroaniline	**0.20 J**	**5.8**	**ug/L**
4-Nitroaniline	**0.20 J**	**5.8**	**ug/L**
Nitrobenzene	ND	0.23	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	**0.96 J**	**5.8**	**ug/L**
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	**0.091 J**	**0.23**	**ug/L**
N-Nitrosodiphenylamine	**0.089 J**	**0.23**	**ug/L**
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.23	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.3	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	**0.76 J**	**1.2**	**ug/L**
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.18 J**	**0.23**	**ug/L**
Phenol	**0.13 J**	**0.23**	**ug/L**
p-Phenylene diamine	ND	46	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	**0.23**	**0.23**	**ug/L**
Pyridine	**0.24 J**	**1.2**	**ug/L**
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-004 **Work Order #...:** K1EDL1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.23	ug/L
2,4,5-Trichloro-phenol	**0.099 J**	**1.2**	**ug/L**
2,4,6-Trichloro-phenol	**0.077 J**	**1.2**	**ug/L**
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	48	(23 - 112)
Terphenyl-d14	30	(10 - 132)
2-Fluorobiphenyl	46	(19 - 107)
2-Fluorophenol	27	(10 - 111)
Phenol-d5	35	(15 - 112)
2,4,6-Tribromophenol	44	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-26-52_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-004 **Work Order #:** K1EDL1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-31-21_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-005 **Work Order #...:** K1EDM1AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/12/08
Prep Batch #...: 8301121 **Analysis Time..:** 23:01
Dilution Factor: 1.11

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.38**	**0.22**	**ug/L**
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.81 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.54 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-31-21_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-005 **Work Order #...:** K1EDM1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.6	ug/L
2,4-Dinitrophenol	ND	5.6	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.41**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-31-21_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-005 **Work Order #...:** K1EDM1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.6	ug/L
3-Nitroaniline	ND	5.6	ug/L
4-Nitroaniline	ND	5.6	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.6	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	ND	0.22	ug/L
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-31-21_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-005 **Work Order #...:** K1EDM1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	46	(23 - 112)
Terphenyl-d14	33	(10 - 132)
2-Fluorobiphenyl	49	(19 - 107)
2-Fluorophenol	34	(10 - 111)
Phenol-d5	39	(15 - 112)
2,4,6-Tribromophenol	53	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-31-21_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-005 **Work Order #:** K1EDM1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-006 **Work Order #...:** K1EDP1AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/12/08
Prep Batch #...: 8301121 **Analysis Time..:** 23:21
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.34**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.80 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-006 **Work Order #...:** K1EDP1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.38**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-006 **Work Order #...:** K1EDP1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.067 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-006 **Work Order #...:** K1EDP1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	44	(23 - 112)
Terphenyl-d14	46	(10 - 132)
2-Fluorobiphenyl	45	(19 - 107)
2-Fluorophenol	17	(10 - 111)
Phenol-d5	27	(15 - 112)
2,4,6-Tribromophenol	43	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-32-31_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-006 **Work Order #:** K1EDP1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-007 **Work Order #...:** K1EDT1AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/12/08
Prep Batch #...: 8301121 **Analysis Time..:** 23:40
Dilution Factor: 1.03

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.38**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.50**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.63**	**0.21**	**ug/L**
Benzo(b)fluoranthene	**1.0**	**0.21**	**ug/L**
Benzo(ghi)perylene	**1.1**	**0.21**	**ug/L**
Benzo(k)fluoranthene	**0.99**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.89 J**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.34 J,B**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.67**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	**1.4**	**0.21**	**ug/L**
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	**0.92 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-007 **Work Order #...:** K1EDT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.80 J**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.58**	**0.21**	**ug/L**
Fluorene	**0.39**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	**1.2**	**0.21**	**ug/L**
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-007 **Work Order #...:** K1EDT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.091 J**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.24**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-007 **Work Order #...:** K1EDT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	42	(23 - 112)
Terphenyl-d14	33	(10 - 132)
2-Fluorobiphenyl	42	(19 - 107)
2-Fluorophenol	28	(10 - 111)
Phenol-d5	29	(15 - 112)
2,4,6-Tribromophenol	43	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-33-41_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-007 **Work Order #:** K1EDT1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-008 **Work Order #...:** K1EDV1AE **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/12/08
Prep Batch #...: 8301121 **Analysis Time..:** 21:03
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.37**	**0.22**	**ug/L**
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.1	ug/L
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.15 J,B**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.32 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-008 **Work Order #...:** K1EDV1AE **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.41**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-008 **Work Order #...:** K1EDV1AE **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.11 J**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.084 J**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-008 **Work Order #...:** K1EDV1AE **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(23 - 112)
Terphenyl-d14	50	(10 - 132)
2-Fluorobiphenyl	57	(19 - 107)
2-Fluorophenol	31	(10 - 111)
Phenol-d5	44	(15 - 112)
2,4,6-Tribromophenol	60	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-12-29_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-008 **Work Order #:** K1EDV1AE **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-009 **Work Order #...:** K1EDX1AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/13/08
Prep Batch #...: 8301121 **Analysis Time..:** 00:00
Dilution Factor: 1.18

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.24	ug/L
Acenaphthylene	ND	0.24	ug/L
Acetophenone	**0.072 J**	**1.2**	**ug/L**
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	ND	1.2	ug/L
Anthracene	ND	0.24	ug/L
Benzo(a)anthracene	ND	0.24	ug/L
Benzo(a)pyrene	ND	0.24	ug/L
Benzo(b)fluoranthene	**0.96**	**0.24**	**ug/L**
Benzo(ghi)perylene	**0.80**	**0.24**	**ug/L**
Benzo(k)fluoranthene	ND	0.24	ug/L
Benzyl alcohol	ND	1.2	ug/L
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.24	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.2	ug/L
4-Bromophenyl phenyl ether	ND	1.2	ug/L
Butyl benzyl phthalate	ND	1.2	ug/L
4-Chloroaniline	ND	1.2	ug/L
4-Chloro-3-methylphenol	ND	1.2	ug/L
2-Chloronaphthalene	ND	0.24	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	**0.14 J**	**0.24**	**ug/L**
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	ND	0.24	ug/L
Dibenzofuran	ND	1.2	ug/L
Di-n-butyl phthalate	**5.9 B**	**1.2**	**ug/L**
1,2-Dichlorobenzene	ND	0.24	ug/L
1,3-Dichlorobenzene	ND	0.24	ug/L
1,4-Dichlorobenzene	ND	0.24	ug/L
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	ND	0.24	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-009 **Work Order #...:** K1EDX1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.24	ug/L
Diethyl phthalate	ND	1.2	ug/L
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethylamine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	**0.77 J**	**1.2**	**ug/L**
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	5.9	ug/L
2,4-Dinitrophenol	ND	5.9	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	ND	1.2	ug/L
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	ND	0.24	ug/L
Fluorene	**0.44**	**0.24**	**ug/L**
Hexachlorobenzene	ND	0.24	ug/L
Hexachlorobutadiene	ND	0.24	ug/L
Hexachlorocyclopentadiene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	**1.0**	**0.24**	**ug/L**
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.7	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	ND	0.24	ug/L
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-009 **Work Order #...:** K1EDX1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.24	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	ND	5.9	ug/L
3-Nitroaniline	ND	5.9	ug/L
4-Nitroaniline	ND	5.9	ug/L
Nitrobenzene	ND	0.24	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	ND	5.9	ug/L
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.24	ug/L
N-Nitrosodiphenylamine	ND	0.24	ug/L
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.24	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.4	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	ND	1.2	ug/L
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.11 J**	**0.24**	**ug/L**
Phenol	ND	0.24	ug/L
p-Phenylene diamine	ND	47	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	**0.093 J**	**0.24**	**ug/L**
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-009 **Work Order #...:** K1EDX1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.24	ug/L
2,4,5-Trichloro-phenol	ND	1.2	ug/L
2,4,6-Trichloro-phenol	ND	1.2	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(23 - 112)
Terphenyl-d14	61	(10 - 132)
2-Fluorobiphenyl	72	(19 - 107)
2-Fluorophenol	45	(10 - 111)
Phenol-d5	52	(15 - 112)
2,4,6-Tribromophenol	75	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-30-63_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-009 **Work Order #:** K1EDX1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-010 **Work Order #...:** K1ED01AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/13/08
Prep Batch #...: 8301121 **Analysis Time..:** 00:20
Dilution Factor: 1.12

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	**0.062 J**	**1.1**	**ug/L**
Anthracene	**0.38**	**0.22**	**ug/L**
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.87 J**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.16 J,B**	**1.1**	**ug/L**
4-Chloroaniline	**0.079 J**	**1.1**	**ug/L**
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.061 J**	**0.22**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.16 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	**0.55 J**	**1.1**	**ug/L**
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-010 **Work Order #...:** K1ED01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.74 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.6	ug/L
2,4-Dinitrophenol	ND	5.6	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.48**	**0.22**	**ug/L**
Fluorene	**0.43**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.5	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-010 **Work Order #...:** K1ED01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.6	ug/L
3-Nitroaniline	**0.063 J**	**5.6**	**ug/L**
4-Nitroaniline	ND	5.6	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.6	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.085 J**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	45	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-010 **Work Order #...:** K1ED01AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(23 - 112)
Terphenyl-d14	35	(10 - 132)
2-Fluorobiphenyl	52	(19 - 107)
2-Fluorophenol	40	(10 - 111)
Phenol-d5	42	(15 - 112)
2,4,6-Tribromophenol	52	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

DUP004

GC/MS Semivolatiles

Lot-Sample #: C8J220361-010 **Work Order #:** K1ED01AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-011 **Work Order #...:** K1ED11AC **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **MS Run #.....:** 8301080
Prep Date.....: 10/27/08 **Analysis Date..:** 11/13/08
Prep Batch #...: 8301121 **Analysis Time..:** 00:40
Dilution Factor: 1.02

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.20	ug/L
Acenaphthylene	ND	0.20	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.20	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.14 J,B**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.20	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.20	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Dibenzofuran	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	0.20	ug/L
1,3-Dichlorobenzene	ND	0.20	ug/L
1,4-Dichlorobenzene	ND	0.20	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.20	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-011 **Work Order #...:** K1ED11AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.20	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.1	ug/L
2,4-Dinitrophenol	ND	5.1	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.20	ug/L
Fluorene	ND	0.20	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Hexachlorobutadiene	ND	0.20	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.1	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-011 **Work Order #...:** K1ED11AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.20	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.1	ug/L
3-Nitroaniline	ND	5.1	ug/L
4-Nitroaniline	ND	5.1	ug/L
Nitrobenzene	ND	0.20	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.1	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.20	ug/L
N-Nitrosodiphenylamine	ND	0.20	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.0	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	ND	0.20	ug/L
Phenol	ND	0.20	ug/L
p-Phenylene diamine	ND	41	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.20	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

GC/MS Semivolatiles

Lot-Sample #...: C8J220361-011 **Work Order #...:** K1ED11AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.20	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(23 - 112)
Terphenyl-d14	103	(10 - 132)
2-Fluorobiphenyl	61	(19 - 107)
2-Fluorophenol	44	(10 - 111)
Phenol-d5	44	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

FB-05_10-08

GC/MS Semivolatiles

Lot-Sample #: C8J220361-011 **Work Order #:** K1ED11AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J220361 **Work Order #...:** K1NC11AA **Matrix.....:** WATER
MB Lot-Sample #: C8J270000-121

Prep Date.....: 10/27/08 **Analysis Time..:** 22:42
Analysis Date..: 11/11/08 **Prep Batch #...:** 8301121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	**0.18 J**	**1.0**	**ug/L**	**SW846 8270C**
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	**0.081 J**	**1.0**	**ug/L**	**SW846 8270C**
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J220361 **Work Order #...:** K1NC11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethylamine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J220361 **Work Order #...:** K1NC11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C8J220361 **Work Order #...:** K1NC11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65	(23 - 112)
Terphenyl-d14	130	(10 - 132)
2-Fluorobiphenyl	61	(19 - 107)
2-Fluorophenol	45	(10 - 111)
Phenol-d5	56	(15 - 112)
2,4,6-Tribromophenol	58	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

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Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C8J270000-121 B **Work Order #:** K1NC11AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexaclorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J220361 **Work Order #...:** K1NC11AC **Matrix.....:** WATER
LCS Lot-Sample#: C8J270000-121
Prep Date.....: 10/27/08 **Analysis Date..:** 11/11/08
Prep Batch #...: 8301121 **Analysis Time..:** 23:03
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**75**	**(35 - 99)**	**SW846 8270C**
4-Bromophenyl phenyl ether	**79**	**(37 - 104)**	**SW846 8270C**
Butyl benzyl phthalate	**89**	**(36 - 108)**	**SW846 8270C**
4-Chloro-3-methylphenol	**70**	**(35 - 104)**	**SW846 8270C**
2-Chlorophenol	**65**	**(31 - 99)**	**SW846 8270C**
1,4-Dichlorobenzene	**59**	**(34 - 93)**	**SW846 8270C**
4-Methylphenol	**57**	**(32 - 100)**	**SW846 8270C**
2,4-Dinitrotoluene	**80**	**(37 - 115)**	**SW846 8270C**
Hexachloroethane	**55**	**(32 - 94)**	**SW846 8270C**
Naphthalene	**70**	**(35 - 97)**	**SW846 8270C**
4-Nitrophenol	**40**	**(29 - 115)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**65**	**(34 - 101)**	**SW846 8270C**
Pentachlorophenol	**41**	**(15 - 111)**	**SW846 8270C**
Phenol	**56**	**(32 - 95)**	**SW846 8270C**
Pyrene	**90**	**(35 - 106)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**62**	**(34 - 96)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(23 - 112)
Terphenyl-d14	102	(10 - 132)
2-Fluorobiphenyl	77	(19 - 107)
2-Fluorophenol	60	(10 - 111)
Phenol-d5	66	(15 - 112)
2,4,6-Tribromophenol	77	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J220361
MS Lot-Sample #: C8J220361-008
Date Sampled...: 10/20/08
Prep Date.....: 10/27/08
Prep Batch #...: 8301121
Dilution Factor: 1.09

Work Order #...: K1EDV1AF-MS
K1EDV1AG-MSD
Date Received..: 10/22/08
Analysis Date..: 11/12/08
Analysis Time..: 21:23

Matrix.....: W
MS Run #.....: 8301080

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	55	(35 - 99)			SW846 8270C
	59	(35 - 99)	6.8	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	58	(37 - 104)			SW846 8270C
	62	(37 - 104)	7.2	(0-40)	SW846 8270C
Butyl benzyl phthalate	52	(36 - 108)			SW846 8270C
	50	(36 - 108)	3.3	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	46	(35 - 104)			SW846 8270C
	51	(35 - 104)	9.7	(0-42)	SW846 8270C
2-Chlorophenol	41	(31 - 99)			SW846 8270C
	58	(31 - 99)	36	(0-39)	SW846 8270C
1,4-Dichlorobenzene	50	(34 - 93)			SW846 8270C
	54	(34 - 93)	7.9	(0-41)	SW846 8270C
4-Methylphenol	48	(32 - 100)			SW846 8270C
	53	(32 - 100)	12	(0-41)	SW846 8270C
2,4-Dinitrotoluene	62	(37 - 115)			SW846 8270C
	60	(37 - 115)	1.7	(0-39)	SW846 8270C
Hexachloroethane	50	(32 - 94)			SW846 8270C
	52	(32 - 94)	5.4	(0-39)	SW846 8270C
Naphthalene	60	(35 - 97)			SW846 8270C
	64	(35 - 97)	7.6	(0-43)	SW846 8270C
4-Nitrophenol	49	(29 - 115)			SW846 8270C
	50	(29 - 115)	3.2	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	55	(34 - 101)			SW846 8270C
	59	(34 - 101)	7.6	(0-43)	SW846 8270C
Pentachlorophenol	54	(15 - 111)			SW846 8270C
	58	(15 - 111)	7.2	(0-42)	SW846 8270C
Phenol	42	(32 - 95)			SW846 8270C
	54	(32 - 95)	25	(0-39)	SW846 8270C
Pyrene	60	(35 - 106)			SW846 8270C
	60	(35 - 106)	1.5	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	53	(34 - 96)			SW846 8270C
	57	(34 - 96)	8.8	(0-45)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C8J220361 **Work Order #...:** K1EDV1AF-MS **Matrix.....:** W
MS Lot-Sample #: C8J220361-008 K1EDV1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(23 - 112)
	68	(23 - 112)
Terphenyl-d14	36	(10 - 132)
	40	(10 - 132)
2-Fluorobiphenyl	63	(19 - 107)
	67	(19 - 107)
2-Fluorophenol	29	(10 - 111)
	53	(10 - 111)
Phenol-d5	43	(15 - 112)
	59	(15 - 112)
2,4,6-Tribromophenol	66	(16 - 122)
	75	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-002 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1EDJ1AW
		Dilution Factor: 1		Analysis Time..: 14:31	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**5.9 J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AD**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AE
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Arsenic	**0.80 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AF**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Barium	**105**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AG**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AH
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AJ
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Cobalt	**0.42 B**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AK**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Chromium	**5.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AL**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Copper	**0.52 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AM**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Nickel	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AN**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Lead	**0.025 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDJ1AP**
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-27-19_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-002 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	0.56 B	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AQ
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Thallium	0.081 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AR
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Antimony	0.22 B	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AT
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Vanadium	0.74 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AU
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	
Zinc	5.2 J	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDJ1AV
		Dilution Factor: 1		Analysis Time..: 23:02	MS Run #.....: 8304186	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-003
Date Sampled...: 10/20/08 Date Received..: 10/22/08 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1EDK1AW
		Dilution Factor: 1		Analysis Time..: 14:33	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**4.3 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AD**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AE
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Arsenic	**1.1**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AF**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Barium	**73.6**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AG**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AH
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AJ
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Cobalt	**0.95**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AK**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Chromium	**4.7 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AL**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Copper	**0.92 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AM**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Nickel	**2.0**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AN**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Lead	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDK1AP**
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-25-27_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-003

Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	1.2 B	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AQ
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Thallium	0.052 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AR
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Antimony	0.059 B	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AT
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Vanadium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AU
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	
Zinc	6.7 J	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDK1AV
		Dilution Factor: 1		Analysis Time..: 23:07	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-004
Date Sampled...: 10/20/08 Date Received..: 10/22/08 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1EDL1AW
		Dilution Factor: 1		Analysis Time..: 14:34	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**2.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AD**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDL1AE
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Arsenic	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AF**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Barium	**10.7**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AG**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDL1AH
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDL1AJ
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Cobalt	**18.6**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AK**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Chromium	**4.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AL**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Copper	**0.39 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AM**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Nickel	**8.6**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AN**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Lead	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AP**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-26-52_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-004 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDL1AQ
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Thallium	**0.036 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AR**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Antimony	ND	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDL1AT
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Vanadium	**0.17 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AU**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	
Zinc	**15.5 J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDL1AV**
		Dilution Factor: 1		Analysis Time..: 23:11	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-31-21_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-005
Date Sampled...: 10/20/08 Date Received..: 10/22/08
Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	0.019 B	0.20	ug/L	SW846 7470A	10/29/08	K1EDM1AW
		Dilution Factor: 1		Analysis Time..: 14:36	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	3.5 B,J	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AD
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AE
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Arsenic	3.8	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AF
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Barium	123	10.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AG
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AH
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Cadmium	0.19 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AJ
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Cobalt	7.6	0.50	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AK
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Chromium	3.6 J	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AL
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Copper	0.51 B	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AM
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Nickel	3.2	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AN
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Lead	0.14 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AP
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-31-21_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-005 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AQ
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Thallium	**0.019 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDM1AR**
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Antimony	**0.18 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDM1AT**
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Vanadium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDM1AU
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	
Zinc	**11.9 J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDM1AV**
		Dilution Factor: 1		Analysis Time..: 23:15	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-006 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	**0.024 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/29/08**	**K1EDP1AW**
		Dilution Factor: 1		Analysis Time..: 14:38	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**2.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AD**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDP1AE
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Arsenic	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDP1AF
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Barium	**56.0**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AG**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDP1AH
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDP1AJ
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Cobalt	**1.2**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AK**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Chromium	**3.4 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AL**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Copper	**0.81 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AM**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Nickel	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AN**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Lead	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AP**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-32-31_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-006 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDP1AQ
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Thallium	**0.024 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AR**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Antimony	ND	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDP1AT
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Vanadium	**0.40 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AU**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	
Zinc	**6.2 J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDP1AV**
		Dilution Factor: 1		Analysis Time..: 23:20	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-007 Matrix.....: W
Date Sampled...: 10/20/08 Date Received..: 10/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	0.020 B	0.20	ug/L	SW846 7470A	10/29/08	K1EDT1AW
		Dilution Factor: 1		Analysis Time..: 14:39	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	3.2 B,J	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AD
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AE
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Arsenic	7.1	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AF
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Barium	42.0	10.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AG
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AH
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AJ
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Cobalt	0.25 B	0.50	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AK
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Chromium	3.4 J	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AL
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Copper	0.68 B	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AM
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Nickel	0.77 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AN
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Lead	0.14 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AP
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-33-41_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-007 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDT1AQ**
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Thallium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AR
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Antimony	ND	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AT
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Vanadium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDT1AU
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	
Zinc	**7.6 J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDT1AV**
		Dilution Factor: 1		Analysis Time..: 23:24	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-008 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1EDV1C4
		Dilution Factor: 1		Analysis Time..: 14:41	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**2.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1AH**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDV1AL
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Arsenic	**0.23 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1AP**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Barium	**28.8**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1AT**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDV1AW
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Cadmium	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1A1**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Cobalt	**0.98**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1A4**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Chromium	**3.3 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1A7**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Copper	**0.67 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1CA**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1CE**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Lead	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1EDV1CH**
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-008 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	0.22 B	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDV1CL
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Thallium	0.038 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDV1CP
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Antimony	ND	2.0	ug/L	SW846 6020	10/30-11/05/08	K1EDV1CT
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Vanadium	0.38 B	1.0	ug/L	SW846 6020	10/30-11/05/08	K1EDV1CW
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	
Zinc	8.8 J	5.0	ug/L	SW846 6020	10/30-11/05/08	K1EDV1C1
		Dilution Factor: 1		Analysis Time..: 23:28	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-009 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1EDX1AW
		Dilution Factor: 1		Analysis Time..: 14:50	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**6.2 J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AD**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1EDX1AE
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Arsenic	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AF**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Barium	**12.3**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AG**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1EDX1AH
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1EDX1AJ
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Cobalt	**1.0**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AK**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Chromium	**3.5 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AL**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Copper	**0.49 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AM**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AN**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Lead	**0.055 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AP**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-009 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	10/30-11/06/08	K1EDX1AQ
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Thallium	**0.098 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AR**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Antimony	**0.11 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AT**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Vanadium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1EDX1AU
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	
Zinc	**4.3 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1EDX1AV**
		Dilution Factor: 1		Analysis Time..: 00:03	MS Run #.....: 8304186	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

DISSOLVED Metals

Lot-Sample #...: C8J220361-010
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1ED01AW
		Dilution Factor: 1		Analysis Time..: 14:51	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AD**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED01AE
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Arsenic	**1.6**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AF**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Barium	**73.6**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AG**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED01AH
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED01AJ
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Cobalt	**0.99**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AK**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Chromium	**3.8 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AL**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Copper	**0.76 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AM**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Nickel	**1.6**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AN**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Lead	**0.038 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AP**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP004

DISSOLVED Metals

Lot-Sample #...: C8J220361-010 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**1.4 B**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AQ**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Thallium	**0.050 B**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AR**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Antimony	ND	2.0	ug/L	SW846 6020	10/30-11/06/08	K1ED01AT
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Vanadium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED01AU
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	
Zinc	**5.5 J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED01AV**
		Dilution Factor: 1		Analysis Time..: 00:08	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-011 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1ED11AW
		Dilution Factor: 1		Analysis Time..: 14:53	MS Run #.....: 8303044	
Prep Batch #...: 8304293						
Tin	**3.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED11AD**
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AE
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Arsenic	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AF
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Barium	**14.3**	**10.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED11AG**
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AH
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AJ
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Cobalt	**0.096 B**	**0.50**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED11AK**
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Chromium	**4.0 J**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED11AL**
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Copper	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED11AM**
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Nickel	**1.0**	**1.0**	**ug/L**	**SW846 6020**	**10/30-11/06/08**	**K1ED11AN**
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Lead	ND	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AP
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-05_10-08

DISSOLVED Metals

Lot-Sample #...: C8J220361-011 Matrix.....: W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	0.57 B	5.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AQ
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Thallium	0.024 B	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AR
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Antimony	ND	2.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AT
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Vanadium	0.34 B	1.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AU
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	
Zinc	4.5 B,J	5.0	ug/L	SW846 6020	10/30-11/06/08	K1ED11AV
		Dilution Factor: 1		Analysis Time..: 00:12	MS Run #.....: 8304186	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C8J290000-077 **Prep Batch #...:** 8303077						
Mercury	ND	0.20	ug/L	SW846 7470A	10/29/08	K1TDT1AA
		Dilution Factor: 1				
		Analysis Time..: 14:27				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C8J300000-293 **Prep Batch #...:** 8304293						
Tin	**1.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1XWG1AA**
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Silver	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AC
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Arsenic	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AD
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Barium	ND	10.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AE
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Beryllium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AF
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Cadmium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AG
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Cobalt	ND	0.50	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AH
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Chromium	**0.65 B**	**2.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1XWG1AJ**
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Copper	ND	2.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AK
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Nickel	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AL
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Lead	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AM
		Dilution Factor: 1				
		Analysis Time..: 22:36				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AN
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Thallium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AP
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Antimony	ND	2.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AQ
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Vanadium	ND	1.0	ug/L	SW846 6020	10/30-11/05/08	K1XWG1AR
		Dilution Factor: 1				
		Analysis Time..: 22:36				
Zinc	**0.61 B**	**5.0**	**ug/L**	**SW846 6020**	**10/30-11/05/08**	**K1XWG1AT**
		Dilution Factor: 1				
		Analysis Time..: 22:36				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C8J290000-077 **Prep Batch #...:** 8303077					
Mercury	104	(80 - 120)	SW846 7470A	10/29/08	K1TDT1AC
		Dilution Factor: 1	Analysis Time..: 14:29		
LCS Lot-Sample#: C8J300000-293 **Prep Batch #...:** 8304293					
Tin	95	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1AU
		Dilution Factor: 1	Analysis Time..: 22:54		
Silver	101	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1AV
		Dilution Factor: 1	Analysis Time..: 22:54		
Arsenic	100	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1AW
		Dilution Factor: 1	Analysis Time..: 22:54		
Barium	92	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1AX
		Dilution Factor: 1	Analysis Time..: 22:54		
Beryllium	108	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A0
		Dilution Factor: 1	Analysis Time..: 22:54		
Cadmium	100	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A1
		Dilution Factor: 1	Analysis Time..: 22:54		
Cobalt	100	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A2
		Dilution Factor: 1	Analysis Time..: 22:54		
Chromium	98	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A3
		Dilution Factor: 1	Analysis Time..: 22:54		
Copper	104	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A4
		Dilution Factor: 1	Analysis Time..: 22:54		
Nickel	101	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A5
		Dilution Factor: 1	Analysis Time..: 22:54		
Lead	89	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A6
		Dilution Factor: 1	Analysis Time..: 22:54		
Selenium	111	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A7
		Dilution Factor: 1	Analysis Time..: 22:54		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	89	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A8
		Dilution Factor: 1	Analysis Time..: 22:54		
Antimony	94	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1A9
		Dilution Factor: 1	Analysis Time..: 22:54		
Vanadium	95	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1CA
		Dilution Factor: 1	Analysis Time..: 22:54		
Zinc	106	(80 - 120)	SW846 6020	10/30-11/05/08	K1XWG1CC
		Dilution Factor: 1	Analysis Time..: 22:54		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8J220361-008 **Prep Batch #...:** 8303077							
Mercury	97	(75 - 125)			SW846 7470A	10/29/08	K1EDV1C5
	101	(75 - 125)	3.8	(0-20)	SW846 7470A	10/29/08	K1EDV1C6
		Dilution Factor: 1					
		Analysis Time..: 14:46					
		MS Run #.....: 8303044					
MS Lot-Sample #: C8J220361-008 **Prep Batch #...:** 8304293							
Tin	92	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1AJ
	93	(75 - 125)	1.3	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1AK
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Silver	96	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1AM
	96	(75 - 125)	0.29	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1AN
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Arsenic	96	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1AQ
	97	(75 - 125)	0.54	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1AR
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Barium	89	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1AU
	90	(75 - 125)	0.93	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1AV
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Beryllium	107	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1AX
	103	(75 - 125)	3.6	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1A0
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Cadmium	97	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1A2
	98	(75 - 125)	1.0	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1A3
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	94	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1A5
	95	(75 - 125)	0.71	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1A6
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Chromium	92	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1A8
	92	(75 - 125)	0.42	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1A9
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Copper	96	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1CC
	96	(75 - 125)	0.62	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1CD
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Nickel	94	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1CF
	94	(75 - 125)	0.0	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1CG
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Lead	88	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1CJ
	89	(75 - 125)	0.44	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1CK
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Selenium	106	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1CM
	102	(75 - 125)	4.3	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1CN
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Thallium	89	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1CQ
	89	(75 - 125)	0.36	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1CR
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C8J220361 **Matrix.....:** W
Date Sampled...: 10/20/08 **Date Received..:** 10/22/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	91	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1CU
	93	(75 - 125)	1.3	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1CV
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Vanadium	92	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1CX
	93	(75 - 125)	0.39	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1C0
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					
Zinc	97	(75 - 125)			SW846 6020	10/30-11/05/08	K1EDV1C2
	96	(75 - 125)	0.75	(0-20)	SW846 6020	10/30-11/05/08	K1EDV1C3
		Dilution Factor: 1					
		Analysis Time..: 23:37					
		MS Run #.....: 8304186					

NOTE(S):

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. GWM

Langan/USS Fairless Site

Lot #: C9F180195

Judd Herr

Langan Engineering & Environme
2700 Kelly Road
Suite 200
Warrington, PA 18976

TESTAMERICA LABORATORIES, INC.

Kathryn L. Bort
Project Manager

July 7, 2009

301 Alpha Drive Pittsburgh, PA 15238 **tel** 412.963.7058 **fax** 412.963.2468 **www.testamericainc.com**

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	WW	X
		HW	X
Illinois – NELAC	(#002064)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#04041)	WW	X
		HW	X
New Hampshire – NELAC	(#203008)	WW	X
		--	--
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014002)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

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CASE NARRATIVE

Langan

Lot # C9F180195

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on June 18, 2009. The cooler was received at 3.6°C.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D in calibration verification standard AC5063009, was > 25% for 1,4-dioxane (30.2%), 3-chloro-1-propene (33.7%), iodomethane (49.0%), vinyl acetate (29.2%). These are within the expected performance range.

GC/MS Semivolatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D in calibration verification standard S062609APC, was > 25% for diallate (25.7%). This is within the expected performance range.

The %D in calibration verification standard S062609CC1, was > 25% for benzaldehyde (26.9%), and benzyl alcohol (40.1%). These are within the expected performance range.

Bis (2-ethylhexyl) phthalate was detected in the method blank above the reporting limit. This compound is a common laboratory contaminant. The concentration of common laboratory contaminates is acceptable up to 5X the reporting limit. Sample results for bis (2-ethylhexyl phthalate) associated with this batch are flagged with a "B" qualifier.

CASE NARRATIVE

Langan

Lot # C9F180195

Metals:

Antimony, thallium, and vanadium were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "B" qualifier. Sample results for these analytes are flagged with a "J" qualifier.

METHODS SUMMARY

C9F180195

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C9F180195

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LE6RF	001	MW5-41-19_061709	06/17/09	15:20
LE6RQ	002	MW5-18-26_061709	06/17/09	16:20
LE6RR	003	MW1-26-27_061709	06/17/09	15:35
LE6RV	004	MW4-10-23_061709	06/17/09	16:30
LE6R1	005	FB-01_061709	06/17/09	16:41
LE6R3	006	TB-01_061709	06/17/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

United States Steel Corporation

Client Sample ID: MW5-41-19_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-001 **Work Order #...:** LE6RF1AA **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:** 9181283
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 15:08
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: MW5-41-19_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-001 **Work Order #...:** LE6RF1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	108	(71 - 118)
1,2-Dichloroethane-d4	101	(64 - 135)
4-Bromofluorobenzene	107	(70 - 118)
Dibromofluoromethane	112	(70 - 128)

United States Steel Corporation

Client Sample ID: MW5-18-26_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-002 **Work Order #...:** LE6RQ1AA **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:** 9181283
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 18:10
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**7.0**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	**0.89 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	**0.72 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: MW5-18-26_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-002 **Work Order #...:** LE6RQ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.15 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	108	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

United States Steel Corporation

Client Sample ID: MW1-26-27_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-003 **Work Order #...:** LE6RR1AA **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:** 9181283
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 18:33
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**3.1 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: MW1-26-27_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-003 **Work Order #...:** LE6RR1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	109	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

United States Steel Corporation

Client Sample ID: MW4-10-23_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-004 **Work Order #...:** LE6RV1AA **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:** 9181283
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 18:56
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: MW4-10-23_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-004 **Work Order #...:** LE6RV1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.16 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

United States Steel Corporation

Client Sample ID: FB-01_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-005 **Work Order #...:** LE6R11AA **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:** 9181283
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 19:20
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: FB-01_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-005 **Work Order #...:** LE6R11AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	98	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

United States Steel Corporation

Client Sample ID: TB-01_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-006 **Work Order #...:** LE6R31AA **Matrix.....:** WQ
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:** 9181283
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 15:31
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: TB-01_061709

GC/MS Volatiles

Lot-Sample #...: C9F180195-006 **Work Order #...:** LE6R31AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**4.5**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.16 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	108	(71 - 118)
1,2-Dichloroethane-d4	101	(64 - 135)
4-Bromofluorobenzene	101	(70 - 118)
Dibromofluoromethane	110	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F180195 **Work Order #...:** LFWQN1AA **Matrix.....:** WATER
MB Lot-Sample #: C9F300000-497
Prep Date.....: 06/30/09 **Analysis Time..:** 14:33
Analysis Date..: 06/30/09 **Prep Batch #...:** 9181497
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F180195 **Work Order #...:** LFWQN1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	113	(71 - 118)
1,2-Dichloroethane-d4	104	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	111	(70 - 128)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F180195 **Work Order #...:** LFWQN1AC **Matrix.....:** WATER
LCS Lot-Sample#: C9F300000-497
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 17:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**83**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**91**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**83**	**(65 - 136)**	**SW846 8260B**
Toluene	**90**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**91**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	89	(70 - 118)
Dibromofluoromethane	95	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F180195 **Work Order #...:** LE6RF1C1-MS **Matrix.....:** WG
MS Lot-Sample #: C9F180195-001 LE6RF1C2-MSD
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:** 9181283
Prep Date.....: 06/30/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9181497 **Analysis Time..:** 17:34
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**87**	**(80 - 120)**			**SW846 8260B**
	89	**(80 - 120)**	**2.5**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**91**	**(80 - 120)**			**SW846 8260B**
	94	**(80 - 120)**	**2.6**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**89**	**(65 - 136)**			**SW846 8260B**
	91	**(65 - 136)**	**1.5**	**(0-35)**	**SW846 8260B**
Toluene	**90**	**(80 - 123)**			**SW846 8260B**
	93	**(80 - 123)**	**3.9**	**(0-35)**	**SW846 8260B**
Trichloroethene	**97**	**(73 - 120)**			**SW846 8260B**
	97	**(73 - 120)**	**0.21**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(71 - 118)
	100	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
	93	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
	96	(70 - 118)
Dibromofluoromethane	100	(70 - 128)
	99	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

United States Steel Corporation

Client Sample ID: MW5-41-19_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-001 **Work Order #...:** LE6RF1AC **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:**
Prep Date.....: 06/22/09 **Analysis Date..:** 06/26/09
Prep Batch #...: 9173410 **Analysis Time..:** 19:19
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.46 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.031 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.12 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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United States Steel Corporation

Client Sample ID: MW5-41-19_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-001 **Work Order #...:** LE6RF1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.15 J**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	**0.64 J**	**1.0**	**ug/L**
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.032 J**	**1.0**	**ug/L**

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United States Steel Corporation

Client Sample ID: MW5-41-19_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-001 **Work Order #...:** LE6RF1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.086 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: MW5-41-19_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-001 **Work Order #...:** LE6RF1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65	(23 - 112)
Terphenyl-d14	120	(10 - 132)
2-Fluorobiphenyl	61	(19 - 107)
2-Fluorophenol	49	(10 - 111)
Phenol-d5	60	(15 - 112)
2,4,6-Tribromophenol	64	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

MW5-41-19_061709

GC/MS Semivolatiles

Lot-Sample #: C9F180195-001 **Work Order #:** LE6RF1AC **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

United States Steel Corporation

Client Sample ID: MW5-18-26_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-002 **Work Order #...:** LE6RQ1AC **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:**
Prep Date.....: 06/22/09 **Analysis Date..:** 06/26/09
Prep Batch #...: 9173410 **Analysis Time..:** 19:40
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.096 J**	**0.21**	**ug/L**
Acenaphthylene	**0.041 J**	**0.21**	**ug/L**
Acetophenone	**0.045 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**0.35 J**	**1.0**	**ug/L**
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.1 B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.051 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.094 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	ND	0.21	ug/L
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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United States Steel Corporation

Client Sample ID: MW5-18-26_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-002 **Work Order #...:** LE6RQ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.076 J**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.18 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	**0.90 J,B**	**1.0**	**ug/L**
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.049 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	**0.086 J**	**1.0**	**ug/L**
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.037 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.28 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**1.0**	**1.0**	**ug/L**

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United States Steel Corporation

Client Sample ID: MW5-18-26_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-002 **Work Order #...:** LE6RQ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.14 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.15 J,B**	**0.21**	**ug/L**
Phenol	**5.5**	**0.21**	**ug/L**
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.037 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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United States Steel Corporation

Client Sample ID: MW5-18-26_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-002 **Work Order #...:** LE6RQ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	57	(23 - 112)
Terphenyl-d14	53	(10 - 132)
2-Fluorobiphenyl	56	(19 - 107)
2-Fluorophenol	46	(10 - 111)
Phenol-d5	53	(15 - 112)
2,4,6-Tribromophenol	64	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

MW5-18-26_061709

GC/MS Semivolatiles

Lot-Sample #: C9F180195-002 **Work Order #:** LE6RQ1AC **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

United States Steel Corporation

Client Sample ID: MW1-26-27_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-003 **Work Order #...:** LE6RR1AC **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:**
Prep Date.....: 06/22/09 **Analysis Date..:** 06/26/09
Prep Batch #...: 9173410 **Analysis Time..:** 20:00
Dilution Factor: 1.1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.021 J**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	**0.057 J**	**0.22**	**ug/L**
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	**0.14 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.56 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.064 J**	**0.22**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.024 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.12 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	ND	0.22	ug/L
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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United States Steel Corporation

Client Sample ID: MW1-26-27_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-003 **Work Order #...:** LE6RR1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.11 J**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.5	ug/L
2,4-Dinitrophenol	ND	5.5	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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United States Steel Corporation

Client Sample ID: MW1-26-27_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-003 **Work Order #...:** LE6RR1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.5	ug/L
3-Nitroaniline	ND	5.5	ug/L
4-Nitroaniline	ND	5.5	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.5	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.095 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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United States Steel Corporation

Client Sample ID: MW1-26-27_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-003 **Work Order #...:** LE6RR1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(23 - 112)
Terphenyl-d14	59	(10 - 132)
2-Fluorobiphenyl	53	(19 - 107)
2-Fluorophenol	38	(10 - 111)
Phenol-d5	44	(15 - 112)
2,4,6-Tribromophenol	46	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

MW1-26-27_061709

GC/MS Semivolatiles

Lot-Sample #: C9F180195-003 **Work Order #:** LE6RR1AC **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

United States Steel Corporation

Client Sample ID: MW4-10-23_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-004 **Work Order #...:** LE6RV1AC **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:**
Prep Date.....: 06/22/09 **Analysis Date..:** 06/26/09
Prep Batch #...: 9173410 **Analysis Time..:** 20:21
Dilution Factor: 1.12

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	**0.19 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.6 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.58 J,B**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.021 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.16 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.12 J**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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United States Steel Corporation

Client Sample ID: MW4-10-23_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-004 **Work Order #...:** LE6RV1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.13 J**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.6	ug/L
2,4-Dinitrophenol	ND	5.6	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.5	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**4.0**	**1.1**	**ug/L**

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United States Steel Corporation

Client Sample ID: MW4-10-23_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-004 **Work Order #...:** LE6RV1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.6	ug/L
3-Nitroaniline	ND	5.6	ug/L
4-Nitroaniline	ND	5.6	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.6	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.10 J,B**	**0.22**	**ug/L**
Phenol	**0.66**	**0.22**	**ug/L**
p-Phenylene diamine	ND	45	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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United States Steel Corporation

Client Sample ID: MW4-10-23_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-004 **Work Order #...:** LE6RV1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	52	(23 - 112)
Terphenyl-d14	64	(10 - 132)
2-Fluorobiphenyl	52	(19 - 107)
2-Fluorophenol	41	(10 - 111)
Phenol-d5	51	(15 - 112)
2,4,6-Tribromophenol	63	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

MW4-10-23_061709

GC/MS Semivolatiles

Lot-Sample #: C9F180195-004 **Work Order #:** LE6RV1AC **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

United States Steel Corporation

Client Sample ID: FB-01_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-005 **Work Order #...:** LE6R11AC **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09 **MS Run #.....:**
Prep Date.....: 06/22/09 **Analysis Date..:** 06/26/09
Prep Batch #...: 9173410 **Analysis Time..:** 20:42
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.025 J**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.071 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.78 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.038 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.12 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.072 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.15 J**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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United States Steel Corporation

Client Sample ID: FB-01_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-005 **Work Order #...:** LE6R11AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.11 J**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	**0.21 J**	**1.1**	**ug/L**
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.019 J**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

(Continued on next page)

United States Steel Corporation

Client Sample ID: FB-01_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-005 **Work Order #...:** LE6R11AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.17 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

(Continued on next page)

United States Steel Corporation

Client Sample ID: FB-01_061709

GC/MS Semivolatiles

Lot-Sample #...: C9F180195-005 **Work Order #...:** LE6R11AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	76	(23 - 112)
Terphenyl-d14	103	(10 - 132)
2-Fluorobiphenyl	74	(19 - 107)
2-Fluorophenol	62	(10 - 111)
Phenol-d5	72	(15 - 112)
2,4,6-Tribromophenol	71	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

FB-01_061709

GC/MS Semivolatiles

Lot-Sample #: C9F180195-005 **Work Order #:** LE6R11AC **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F180195 **Work Order #...:** LFEML1AA **Matrix.....:** WATER
MB Lot-Sample #: C9F220000-410
Prep Date.....: 06/22/09 **Analysis Time..:** 15:50
Analysis Date..: 06/26/09 **Prep Batch #...:** 9173410
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	**1.1**	**1.0**	**ug/L**	**SW846 8270C**
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	**0.86 J**	**1.0**	**ug/L**	**SW846 8270C**
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	**0.021 J**	**1.0**	**ug/L**	**SW846 8270C**
Di-n-butyl phthalate	**0.084 J**	**1.0**	**ug/L**	**SW846 8270C**
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F180195 **Work Order #...:** LFEML1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethylamine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	**0.77 J**	**1.0**	**ug/L**	**SW846 8270C**
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F180195 **Work Order #...:** LFEML1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.066 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F180195 **Work Order #...:** LFEML1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	66	(23 - 112)
Terphenyl-d14	100	(10 - 132)
2-Fluorobiphenyl	63	(19 - 107)
2-Fluorophenol	57	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	64	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

United States Steel Corporation

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C9F220000-410 B **Work Order #:** LFEML1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F180195 **Work Order #...:** LFEML1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F220000-410 LFEML1AD-LCSD
Prep Date.....: 06/22/09 **Analysis Date..:** 06/26/09
Prep Batch #...: 9173410 **Analysis Time..:** 16:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	61	(35 - 99)			SW846 8270C
	61	(35 - 99)	0.21	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	69	(37 - 104)			SW846 8270C
	77	(37 - 104)	10	(0-40)	SW846 8270C
Butyl benzyl phthalate	82	(36 - 108)			SW846 8270C
	77	(36 - 108)	5.8	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	70	(35 - 104)			SW846 8270C
	68	(35 - 104)	3.7	(0-42)	SW846 8270C
2-Chlorophenol	54	(31 - 99)			SW846 8270C
	56	(31 - 99)	3.3	(0-39)	SW846 8270C
1,4-Dichlorobenzene	48	(34 - 93)			SW846 8270C
	45	(34 - 93)	5.9	(0-41)	SW846 8270C
2,4-Dinitrotoluene	83	(37 - 115)			SW846 8270C
	84	(37 - 115)	1.3	(0-39)	SW846 8270C
Hexachloroethane	50	(32 - 94)			SW846 8270C
	46	(32 - 94)	7.5	(0-39)	SW846 8270C
Naphthalene	53	(35 - 97)			SW846 8270C
	50	(35 - 97)	5.3	(0-43)	SW846 8270C
4-Nitrophenol	69	(29 - 115)			SW846 8270C
	75	(29 - 115)	8.6	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	70	(34 - 101)			SW846 8270C
	70	(34 - 101)	1.2	(0-43)	SW846 8270C
Pentachlorophenol	41	(15 - 111)			SW846 8270C
	52	(15 - 111)	23	(0-42)	SW846 8270C
Phenol	54	(32 - 95)			SW846 8270C
	57	(32 - 95)	5.6	(0-39)	SW846 8270C
Pyrene	74	(35 - 106)			SW846 8270C
	73	(35 - 106)	0.47	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	49	(34 - 96)			SW846 8270C
	46	(34 - 96)	5.0	(0-45)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F180195 **Work Order #...:** LFEML1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F220000-410 LFEML1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	60	(23 - 112)
	62	(23 - 112)
Terphenyl-d14	75	(10 - 132)
	77	(10 - 132)
2-Fluorobiphenyl	59	(19 - 107)
	62	(19 - 107)
2-Fluorophenol	49	(10 - 111)
	51	(10 - 111)
Phenol-d5	59	(15 - 112)
	61	(15 - 112)
2,4,6-Tribromophenol	69	(16 - 122)
	75	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

United States Steel Corporation

Client Sample ID: MW5-41-19_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-001 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9170082						
Mercury	ND	0.20	ug/L	SW846 7470A	06/19/09	LE6RF1AW
		Dilution Factor: 1		Analysis Time..: 13:39	MS Run #.....: 9170039	
Prep Batch #...: 9170201						
Tin	**6.9**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AD**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Silver	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RF1AE
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Arsenic	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AF**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Barium	**29.1**	**10.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AG**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Beryllium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RF1AH
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Cadmium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RF1AJ
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Cobalt	**0.10 B**	**0.50**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AK**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Chromium	**5.5**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AL**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Copper	**0.51 B**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AM**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Nickel	**0.69 B**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AN**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Lead	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RF1AP
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	

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United States Steel Corporation

Client Sample ID: MW5-41-19_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**2.0 B**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AQ**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Thallium	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AR**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Antimony	**0.11 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AT**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Vanadium	**0.37 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AU**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	
Zinc	**5.2**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RF1AV**
		Dilution Factor: 1		Analysis Time..: 14:57	MS Run #.....: 9170106	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

Client Sample ID: MW5-18-26_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-002 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9170082						
Mercury	ND	0.20	ug/L	SW846 7470A	06/19/09	LE6RQ1AW
		Dilution Factor: 1		Analysis Time..: 13:41	MS Run #.....: 9170039	
Prep Batch #...: 9170201						
Tin	**11.1**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AD**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Silver	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RQ1AE
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Arsenic	**21.5**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AF**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Barium	**178**	**10.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AG**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Beryllium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RQ1AH
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Cadmium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RQ1AJ
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Cobalt	**0.57**	**0.50**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AK**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Chromium	**5.5**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AL**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Copper	**0.39 B**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AM**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Nickel	**2.0**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AN**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Lead	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RQ1AP
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	

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United States Steel Corporation

Client Sample ID: MW5-18-26_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**1.8 B**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AQ**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Thallium	**0.16 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AR**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Antimony	**0.11 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AT**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Vanadium	**2.7 J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AU**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	
Zinc	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RQ1AV**
		Dilution Factor: 1		Analysis Time..: 15:17	MS Run #.....: 9170106	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

Client Sample ID: MW1-26-27_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-003 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9170082						
Mercury	ND	0.20	ug/L	SW846 7470A	06/19/09	LE6RR1AW
		Dilution Factor: 1		Analysis Time..: 13:43	MS Run #.....: 9170039	
Prep Batch #...: 9170201						
Tin	**6.6**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AD**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Silver	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RR1AE
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Arsenic	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AF**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Barium	**10.8**	**10.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AG**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Beryllium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RR1AH
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Cadmium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RR1AJ
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Cobalt	**0.22 B**	**0.50**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AK**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Chromium	**6.4**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AL**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Copper	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AM**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Nickel	**1.4**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AN**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Lead	**0.047 B**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AP**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	

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United States Steel Corporation

Client Sample ID: MW1-26-27_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.76 B**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AQ**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Thallium	**0.075 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AR**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Antimony	**0.081 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AT**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Vanadium	**0.32 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AU**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	
Zinc	**5.6**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RR1AV**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 9170106	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

Client Sample ID: MW4-10-23_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-004 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9170082						
Mercury	ND	0.20	ug/L	SW846 7470A	06/19/09	LE6RV1AW
		Dilution Factor: 1		Analysis Time..: 13:48	MS Run #.....: 9170039	
Prep Batch #...: 9170201						
Tin	**6.0**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AD**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Silver	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AE**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Arsenic	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AF**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Barium	**128**	**10.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AG**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Beryllium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RV1AH
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Cadmium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RV1AJ
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Cobalt	**0.79**	**0.50**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AK**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Chromium	**6.9**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AL**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Copper	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AM**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Nickel	**2.5**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AN**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Lead	**0.61 B**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AP**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	

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United States Steel Corporation

Client Sample ID: MW4-10-23_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	06/19-06/30/09	LE6RV1AQ
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Thallium	**0.056 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AR**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Antimony	**0.060 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AT**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Vanadium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6RV1AU
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	
Zinc	**69.6**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6RV1AV**
		Dilution Factor: 1		Analysis Time..: 15:26	MS Run #.....: 9170106	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

United States Steel Corporation

Client Sample ID: FB-01_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-005 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9170082						
Mercury	ND	0.20	ug/L	SW846 7470A	06/19/09	LE6R11AW
		Dilution Factor: 1		Analysis Time..: 13:49	MS Run #.....: 9170039	
Prep Batch #...: 9170201						
Tin	**3.7 B**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6R11AD**
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Silver	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AE
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Arsenic	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6R11AF**
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Barium	ND	10.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AG
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Beryllium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AH
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Cadmium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AJ
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Cobalt	ND	0.50	ug/L	SW846 6020	06/19-06/30/09	LE6R11AK
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Chromium	**6.5**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6R11AL**
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Copper	ND	2.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AM
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Nickel	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AN
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Lead	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AP
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	

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United States Steel Corporation

Client Sample ID: FB-01_061709

DISSOLVED Metals

Lot-Sample #...: C9F180195-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	06/19-06/30/09	LE6R11AQ
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Thallium	**0.038 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6R11AR**
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Antimony	**0.044 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6R11AT**
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Vanadium	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6R11AU**
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	
Zinc	**1.4 B**	**5.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE6R11AV**
		Dilution Factor: 1		Analysis Time..: 15:30	MS Run #.....: 9170106	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F180195 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C9F190000-082 **Prep Batch #...:** 9170082						
Mercury	ND	0.20	ug/L	SW846 7470A	06/19/09	LE8G91AD
		Dilution Factor: 1				
		Analysis Time..: 13:15				
MB Lot-Sample #: C9F190000-201 **Prep Batch #...:** 9170201						
Tin	ND	5.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AA
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Silver	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AC
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Arsenic	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AD
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Barium	ND	10.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AE
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Beryllium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AF
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Cadmium	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AG
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Cobalt	ND	0.50	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AH
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Chromium	ND	2.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AJ
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Copper	ND	2.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AK
		Dilution Factor: 1				
		Analysis Time..: 14:45				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F180195 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AL
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Lead	ND	1.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AM
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Selenium	ND	5.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AN
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Thallium	**0.032 B**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE8RK1AP**
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Antimony	**0.20 B**	**2.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE8RK1AQ**
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Vanadium	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**06/19-06/30/09**	**LE8RK1AR**
		Dilution Factor: 1				
		Analysis Time..: 14:45				
Zinc	ND	5.0	ug/L	SW846 6020	06/19-06/30/09	LE8RK1AT
		Dilution Factor: 1				
		Analysis Time..: 14:45				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F180195 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C9F190000-082 **Prep Batch #...:** 9170082					
Mercury	102	(80 - 120)	SW846 7470A	06/19/09	LE8G91AE
		Dilution Factor: 1	Analysis Time..: 13:17		
LCS Lot-Sample#: C9F190000-201 **Prep Batch #...:** 9170201					
Tin	96	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1AU
		Dilution Factor: 1	Analysis Time..: 14:49		
Silver	104	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1AV
		Dilution Factor: 1	Analysis Time..: 14:49		
Arsenic	104	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1AW
		Dilution Factor: 1	Analysis Time..: 14:49		
Barium	95	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1AX
		Dilution Factor: 1	Analysis Time..: 14:49		
Beryllium	92	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A0
		Dilution Factor: 1	Analysis Time..: 14:49		
Cadmium	101	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A1
		Dilution Factor: 1	Analysis Time..: 14:49		
Cobalt	104	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A2
		Dilution Factor: 1	Analysis Time..: 14:49		
Chromium	96	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A3
		Dilution Factor: 1	Analysis Time..: 14:49		
Copper	113	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A4
		Dilution Factor: 1	Analysis Time..: 14:49		
Nickel	105	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A5
		Dilution Factor: 1	Analysis Time..: 14:49		
Lead	106	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A6
		Dilution Factor: 1	Analysis Time..: 14:49		
Selenium	107	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A7
		Dilution Factor: 1	Analysis Time..: 14:49		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F180195 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	101	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A8
		Dilution Factor: 1	Analysis Time..: 14:49		
Antimony	98	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1A9
		Dilution Factor: 1	Analysis Time..: 14:49		
Vanadium	91	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1CA
		Dilution Factor: 1	Analysis Time..: 14:49		
Zinc	110	(80 - 120)	SW846 6020	06/19-06/30/09	LE8RK1CC
		Dilution Factor: 1	Analysis Time..: 14:49		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F180195 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9F180195-001 **Prep Batch #...:** 9170201							
Tin	95	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1AX
	95	(75 - 125)	0.31	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1A0
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Silver	104	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1A1
	102	(75 - 125)	1.2	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1A2
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Arsenic	105	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1A3
	100	(75 - 125)	4.3	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1A4
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Barium	96	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1A5
	94	(75 - 125)	1.7	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1A6
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Beryllium	90	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1A7
	87	(75 - 125)	3.6	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1A8
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Cadmium	102	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1A9
	101	(75 - 125)	1.2	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CA
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Cobalt	104	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CC
	101	(75 - 125)	2.5	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CD
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F180195 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	93	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CE
	91	(75 - 125)	2.2	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CF
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Copper	110	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CG
	108	(75 - 125)	2.1	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CH
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Nickel	104	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CJ
	101	(75 - 125)	2.9	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CK
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Lead	109	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CL
	106	(75 - 125)	2.6	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CM
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Selenium	105	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CN
	103	(75 - 125)	0.96	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CP
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Thallium	104	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CQ
	102	(75 - 125)	1.8	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CR
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Antimony	99	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CT
	99	(75 - 125)	0.08	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CU
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F180195 **Matrix.....:** WG
Date Sampled...: 06/17/09 **Date Received..:** 06/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	92	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CV
	89	(75 - 125)	2.6	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1CW
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					
Zinc	111	(75 - 125)			SW846 6020	06/19-06/30/09	LE6RF1CX
	108	(75 - 125)	2.2	(0-20)	SW846 6020	06/19-06/30/09	LE6RF1C0
		Dilution Factor: 1					
		Analysis Time..: 15:05					
		MS Run #.....: 9170106					

NOTE(S):

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. GWM

Langan/USS Fairless Site

Lot #: C9F190331

Judd Herr

Langan Engineering & Environme
2700 Kelly Road
Suite 200
Warrington, PA 18976

TESTAMERICA LABORATORIES, INC.

Kathryn L. Bort
Project Manager

July 8, 2009

301 Alpha Drive Pittsburgh, PA 15238 **tel** 412.963.7058 **fax** 412.963.2468 **www.testamericainc.com**

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	WW	X
		HW	X
Illinois – NELAC	(#002064)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#04041)	WW	X
		HW	X
New Hampshire – NELAC	(#203008)	WW	X
		--	--
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014002)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

Langan

Lot # C9F190331

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on June 19, 2009. The coolers were received at 2.0°C.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Several compounds had the %D > 25% in the calibration verification standards; but were within expected performance range for those compounds.

Dichlorodifluoromethane (59.5%) was out high by >50% in the calibration verification standard (CC60701). The compound was ND in the samples.

Due to the concentration of target compounds detected, sample MW-5-07-24_061809 was analyzed at a dilution.

Several compounds were detected in the method blanks between the MDL and the reporting limit. The results are flagged with a "J" qualifier. Sample results for these compounds associated with these blanks are flagged with a "B" qualifier.

GC/MS Semivolatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Several compounds had the %D > 25% in the calibration verification standards; but were within expected performance range for those compounds.

The relative percent difference between the LCS and LCSD recovered outside control limits for 4-nitrophenol.

CASE NARRATIVE

Langan

Lot # C9F190331

GC/MS Semivolatiles (cont.):
Several compounds were detected in the method blanks between the MDL and the reporting limit. The results are flagged with a "J" qualifier. Sample results for these compounds associated with these blanks are flagged with a "B" qualifier.

Metals:
Several analytes were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "B" qualifier. Sample results for these analytes are flagged with a "J" qualifier.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: LANSAN	Project Manager: JUDDSON HERR	Date: 6/18/09	Chain of Custody Number: 366304
Address: 2700 Kelly Rd. Suite 200	Telephone Number (Area Code)/Fax Number: 215-491-6542	Lab Number: C9F190331	Page 1 of 2
City: WARRINGTON; State: PA; Zip Code: 18976	Site Contact: JUDD HERR	Lab Contact: Kathryn Borr	
Project Name and Location (State): USS RCRA GW Sampling	Carrier/Waybill Number: 2634/102		
Contract/Purchase Order/Quote No.: 18003985			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): RCRA Appendix IX VOC's	RCRA Appendix IX SVOC's	RCRA Appendix IX metals	Special Instructions/ Conditions of Receipt
MW3-02-27-061809	6/18/09	950													X	X	X	All samples on TCC must meet PADEP Act II Reporting Limit & standards. (MSC's)
Dup-01-061809	6/18/09	—													X	X	X	
MW3-29-29-061809	6/18/09	1050													X	X	X	
MW1-12-29-061809	6/18/09	1207													X	X	X	
MW5-07-24-061809	6/18/09	1345													X	X	X	
MW1-02-31-061809	6/18/09	1500													X	X	X	
MW7-05-28-061809	6/18/09	1025													X	X	X	
MW7-04-26-061809	6/18/09	1145													X	X	X	
MW6-08-28-061809	6/18/09	1245													X	X	X	
MW6-12-42-061809	6/18/09	1435													X	X	X	
FB-02-061809	6/18/09	1600													X	X	X	
MW1-28-74-061809	6/18/09	1125													X	X	X	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other STANDARD T/A

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	6/18/09	1651	1. Received By: [signature]	6/18/09	1651
2. Relinquished By: [signature]	6/18/09	1750	2. Received By: Tim Vienne	6/19/09	0955
3. Relinquished By: [signature]			3. Received By:		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: LANGAN	Project Manager: JUDDSON Herr	Date: 6/18/09	Chain of Custody Number: 366306
Address: 2700 Kelly Rd Suite 200	Telephone Number (Area Code)/Fax Number: 215-491-6542	Lab Number: C9F190331	Page 2 of 2
City: WARRINGTON; State: PA; Zip Code: 18976	Site Contact: JUDD Herr; Lab Contact: Kathy Bort		
Project Name and Location (State): USS RCRA GW Sampling	Carrier/Waybill Number: 2634102		
Contract/Purchase Order/Quote No.: 18003985			

Matrix / Containers & Preservatives / Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RCRA Appendix IX VOC's	RCRA Appendix IX SVOC's	RCRA Appendix IX Metals	Special Instructions/ Conditions of Receipt
MW2-01-22-061809	6/18/09	1350											X	X	X	All samples
MW4-02-24-061809	6/18/09	1555											X	X	X	on Ice
TB-02-061809	6/18/09	—											X			Must Meet
																PADEP Act II
																Reporting Limit
																& STANDARDS
																(MSC's)

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other STANDARD T/A

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Judd W H	6/18/09	1651	1. Received By: [signature]	6/18/09	1651
2. Relinquished By: [signature]	6/18/09	1750	2. Received By: Jim Vicinie	6/19/09	0955
3. Relinquished By: [signature]			3. Received By:		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHODS SUMMARY

C9F190331

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C9F190331

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LFA2W	001	MW3-02-27_061809	06/18/09	09:50
LFA2X	002	DUP-01_061809	06/18/09	
LFA20	003	MW3-29-29_061809	06/18/09	10:50
LFA21	004	MW1-12-29_061809	06/18/09	12:07
LFA26	005	MW5-07-24_061809	06/18/09	13:45
LFA28	006	MW1-02-31_061809	06/18/09	15:00
LFA3A	007	MW7-05-28_061809	06/18/09	10:25
LFA3C	008	MW7-04-26_061809	06/18/09	11:45
LFA3E	009	MW6-08-28_061809	06/18/09	12:45
LFA3F	010	MW6-12-42_061809	06/18/09	14:35
LFA3G	011	FB-02_061809	06/18/09	16:00
LFA3H	012	MW1-28-74_061809	06/18/09	11:25
LFA3K	013	MW2-01-22_061809	06/18/09	13:50
LFA3L	014	MW4-02-24_061809	06/18/09	15:55
LFA3M	015	TB-02_061809	06/18/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-001 **Work Order #...:** LFA2W1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 13:31
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	**0.13 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-001 **Work Order #...:** LFA2W1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	113	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	102	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-002 **Work Order #...:** LFA2X1AA **Matrix.....:** WQ
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 13:55
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	**0.12 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-002 **Work Order #...:** LFA2X1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	111	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-003 **Work Order #...:** LFA201AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 14:18
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-003 **Work Order #...:** LFA201AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	100	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-004 **Work Order #...:** LFA211AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 14:42
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-004 **Work Order #...:** LFA211AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	103	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-005 **Work Order #...:** LFA261AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183271 **Analysis Time..:** 13:34
Dilution Factor: 4

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	12	ug/L
Acetone	ND	20	ug/L
Acetonitrile	ND	80	ug/L
Acrolein	ND	80	ug/L
Acrylonitrile	ND	80	ug/L
Allyl chloride	ND	4.0	ug/L
Benzene	**59**	**4.0**	**ug/L**
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
2-Butanone (MEK)	ND	20	ug/L
Carbon disulfide	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	4.0	ug/L
Chloroprene	ND	4.0	ug/L
Dibromochloromethane	ND	4.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
trans-1,4-Dichloro-2-butene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
trans-1,2-Dichloroethene	ND	4.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
cis-1,3-Dichloropropene	ND	4.0	ug/L
trans-1,3-Dichloropropene	ND	4.0	ug/L
1,4-Dioxane	ND	800	ug/L
Ethylbenzene	ND	4.0	ug/L
Ethyl methacrylate	ND	4.0	ug/L
2-Hexanone	ND	20	ug/L
Iodomethane	ND	4.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-005 **Work Order #...:** LFA261AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	160	ug/L
Methacrylonitrile	ND	4.0	ug/L
Methylene chloride	**1.4 J,B**	**4.0**	**ug/L**
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	20	ug/L
Propionitrile	ND	8.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	ND	4.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	109	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-006 **Work Order #...:** LFA281AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 15:29
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.23 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-006 **Work Order #...:** LFA281AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	108	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-007 **Work Order #...:** LFA3A1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 16:16
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-007 **Work Order #...:** LFA3A1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	108	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	107	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-008 **Work Order #...:** LFA3C1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 16:40
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-008 **Work Order #...:** LFA3C1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.36 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	105	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-009 **Work Order #...:** LFA3E1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 17:04
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.37 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-009 **Work Order #...:** LFA3E1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.36 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**2.2**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	105	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-010 **Work Order #...:** LFA3F1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 17:27
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.17 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-010 **Work Order #...:** LFA3F1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	104	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-011 **Work Order #...:** LFA3G1AA **Matrix.....:** WQ
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 17:51
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-011 **Work Order #...:** LFA3G1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**0.46 J,B**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	110	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-012 **Work Order #...:** LFA3H1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 18:15
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-012 **Work Order #...:** LFA3H1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	95	(64 - 135)
4-Bromofluorobenzene	107	(70 - 118)
Dibromofluoromethane	105	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-013 **Work Order #...:** LFA3K1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 18:38
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-013 **Work Order #...:** LFA3K1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	110	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	104	(70 - 118)
Dibromofluoromethane	101	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-014 **Work Order #...:** LFA3L1AA **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 19:02
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-014 **Work Order #...:** LFA3L1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	98	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: TB-02_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-015 **Work Order #...:** LFA3M1AA **Matrix.....:** WQ
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 19:25
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: TB-02_061809

GC/MS Volatiles

Lot-Sample #...: C9F190331-015 **Work Order #...:** LFA3M1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**16 B**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.48 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	104	(70 - 128)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F190331 **Work Order #...:** LFXHG1AA **Matrix.....:** WATER
MB Lot-Sample #: C9G010000-222
Prep Date.....: 07/01/09 **Analysis Time..:** 09:19
Analysis Date..: 07/01/09 **Prep Batch #...:** 9182222
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	**0.36 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F190331 **Work Order #...:** LFXHG1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	108	(70 - 128)

NOTE(S):

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

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F190331 **Work Order #...:** LF1KJ1AA **Matrix.....:** WATER
MB Lot-Sample #: C9G020000-271
Prep Date.....: 07/02/09 **Analysis Time..:** 09:24
Analysis Date..: 07/02/09 **Prep Batch #...:** 9183271
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	**0.40 J**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F190331 **Work Order #...:** LF1KJ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	98	(64 - 135)
4-Bromofluorobenzene	108	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F190331 **Work Order #...:** LFXHG1AC **Matrix.....:** WATER
LCS Lot-Sample#: C9G010000-222
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 10:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**92**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**93**	**(65 - 136)**	**SW846 8260B**
Toluene	**101**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**92**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	99	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F190331 **Work Order #...:** LF1KJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9G020000-271 LF1KJ1AD-LCSD
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183271 **Analysis Time..:** 11:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**102**	**(80 - 120)**			**SW846 8260B**
	93	**(80 - 120)**	**10**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**118**	**(80 - 120)**			**SW846 8260B**
	103	**(80 - 120)**	**14**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**100**	**(65 - 136)**			**SW846 8260B**
	88	**(65 - 136)**	**13**	**(0-35)**	**SW846 8260B**
Toluene	**114**	**(80 - 123)**			**SW846 8260B**
	100	**(80 - 123)**	**14**	**(0-35)**	**SW846 8260B**
Trichloroethene	**100**	**(73 - 120)**			**SW846 8260B**
	89	**(73 - 120)**	**12**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
	108	(71 - 118)
1,2-Dichloroethane-d4	98	(64 - 135)
	91	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
	102	(70 - 118)
Dibromofluoromethane	94	(70 - 128)
	98	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F190331 **Work Order #...:** LFHKM1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: C9F240108-001 LFHKM1AD-MSD
Date Sampled...: 06/22/09 **Date Received..:** 06/24/09 **MS Run #.....:** 9182146
Prep Date.....: 07/01/09 **Analysis Date..:** 07/01/09
Prep Batch #...: 9182222 **Analysis Time..:** 12:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(80 - 120)**			**SW846 8260B**
	96	**(80 - 120)**	**0.84**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**107**	**(80 - 120)**			**SW846 8260B**
	112	**(80 - 120)**	**5.1**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**98**	**(65 - 136)**			**SW846 8260B**
	82	**(65 - 136)**	**18**	**(0-35)**	**SW846 8260B**
Toluene	**105**	**(80 - 123)**			**SW846 8260B**
	106	**(80 - 123)**	**1.3**	**(0-35)**	**SW846 8260B**
Trichloroethene	**93**	**(73 - 120)**			**SW846 8260B**
	92	**(73 - 120)**	**0.62**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	112	(71 - 118)
	117	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
	101	(64 - 135)
4-Bromofluorobenzene	108	(70 - 118)
	104	(70 - 118)
Dibromofluoromethane	100	(70 - 128)
	107	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-001 **Work Order #...:** LFA2W1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 18:27
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**3.7**	**0.21**	**ug/L**
Acenaphthylene	**0.069 J**	**0.21**	**ug/L**
Acetophenone	**0.047 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**0.35 J**	**1.0**	**ug/L**
Anthracene	**0.13 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.16 J**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.94**	**0.21**	**ug/L**
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	**0.046 J**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.6 B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.18 J**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.049 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.12 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.20 J**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-001 **Work Order #...:** LFA2W1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.086 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.18 J**	**0.21**	**ug/L**
Fluorene	**0.15 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.062 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-001 **Work Order #...:** LFA2W1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.42**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.43 B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.58**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-001 **Work Order #...:** LFA2W1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	**4.6**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	55	(23 - 112)
Terphenyl-d14	63	(10 - 132)
2-Fluorobiphenyl	55	(19 - 107)
2-Fluorophenol	24	(10 - 111)
Phenol-d5	43	(15 - 112)
2,4,6-Tribromophenol	48	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW3-02-27_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-001 **Work Order #:** LFA2W1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-002 **Work Order #...:** LFA2X1AC **Matrix.....:** WQ
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 18:48
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**3.7**	**0.21**	**ug/L**
Acenaphthylene	**0.085 J**	**0.21**	**ug/L**
Acetophenone	**0.046 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**0.37 J**	**1.0**	**ug/L**
Anthracene	**0.12 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.14 J**	**0.21**	**ug/L**
Benzo(a)pyrene	**0.90**	**0.21**	**ug/L**
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	**0.030 J**	**0.21**	**ug/L**
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.91 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.13 J**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.040 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.091 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.25**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-002 **Work Order #...:** LFA2X1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.065 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.18 J**	**0.21**	**ug/L**
Fluorene	**0.15 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.055 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-002 **Work Order #...:** LFA2X1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.43**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.40 B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.53**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-002 **Work Order #...:** LFA2X1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	**4.5**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62	(23 - 112)
Terphenyl-d14	73	(10 - 132)
2-Fluorobiphenyl	57	(19 - 107)
2-Fluorophenol	28	(10 - 111)
Phenol-d5	45	(15 - 112)
2,4,6-Tribromophenol	51	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

DUP-01_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-002 **Work Order #:** LFA2X1AC **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-003 **Work Order #...:** LFA201AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 19:09
Dilution Factor: 1.1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.12 J**	**0.22**	**ug/L**
Acenaphthylene	**0.096 J**	**0.22**	**ug/L**
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.017 J**	**0.22**	**ug/L**
Benzo(a)anthracene	**0.057 J**	**0.22**	**ug/L**
Benzo(a)pyrene	**0.97**	**0.22**	**ug/L**
Benzo(b)fluoranthene	**0.025 J**	**0.22**	**ug/L**
Benzo(ghi)perylene	**0.87**	**0.22**	**ug/L**
Benzo(k)fluoranthene	**0.10 J**	**0.22**	**ug/L**
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**2.3 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**0.12 J**	**0.22**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	**1.4**	**0.22**	**ug/L**
Dibenzofuran	**0.039 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.22**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-003 **Work Order #...:** LFA201AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.94 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.5	ug/L
2,4-Dinitrophenol	ND	5.5	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.035 J**	**0.22**	**ug/L**
Fluorene	**0.021 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	**1.2**	**0.22**	**ug/L**
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-003 **Work Order #...:** LFA201AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.5	ug/L
3-Nitroaniline	ND	5.5	ug/L
4-Nitroaniline	ND	5.5	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.5	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.066 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.062 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-003 **Work Order #...:** LFA201AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	55	(23 - 112)
Terphenyl-d14	94	(10 - 132)
2-Fluorobiphenyl	56	(19 - 107)
2-Fluorophenol	16	(10 - 111)
Phenol-d5	31	(15 - 112)
2,4,6-Tribromophenol	38	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW3-29-29_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-003 **Work Order #:** LFA201AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-004 **Work Order #...:** LFA211AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 19:31
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.3 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.039 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.15 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.21**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-004 **Work Order #...:** LFA211AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.10 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.92 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.031 J**	**0.21**	**ug/L**
Fluorene	**0.053 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-004 **Work Order #...:** LFA211AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	**0.64 J**	**1.1**	**ug/L**
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.18 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.037 J**	**0.21**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-004 **Work Order #...:** LFA211AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(23 - 112)
Terphenyl-d14	90	(10 - 132)
2-Fluorobiphenyl	63	(19 - 107)
2-Fluorophenol	50	(10 - 111)
Phenol-d5	61	(15 - 112)
2,4,6-Tribromophenol	73	(16 - 122)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW1-12-29_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-004 **Work Order #:** LFA211AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-005 **Work Order #...:** LFA261AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 19:52
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.47**	**0.21**	**ug/L**
Acenaphthylene	**0.47**	**0.21**	**ug/L**
Acetophenone	**0.099 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**0.90 J**	**1.0**	**ug/L**
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**4.5 B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	**0.14 J**	**1.0**	**ug/L**
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.10 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.22**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-005 **Work Order #...:** LFA261AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.055 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.95 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.088 J**	**0.21**	**ug/L**
Fluorene	**0.19 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.16 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.89 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-005 **Work Order #...:** LFA261AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**9.3**	**0.21**	**ug/L**
1,4-Naphthoquinone	**0.41 J**	**1.0**	**ug/L**
1-Naphthylamine	**0.22 J**	**1.0**	**ug/L**
2-Naphthylamine	**0.71 J**	**1.0**	**ug/L**
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.14 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.051 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-005 **Work Order #...:** LFA261AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	**1.0**	**1.0**	**ug/L**
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(23 - 112)
Terphenyl-d14	42	(10 - 132)
2-Fluorobiphenyl	59	(19 - 107)
2-Fluorophenol	37	(10 - 111)
Phenol-d5	48	(15 - 112)
2,4,6-Tribromophenol	55	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW5-07-24_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-005 **Work Order #:** LFA261AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-006 **Work Order #...:** LFA281AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 20:13
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.21	ug/L
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.037 J**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.4 B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.022 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	ND	0.21	ug/L
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.20 J**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-006 **Work Order #...:** LFA281AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	ND	1.0	ug/L
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.016 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.017 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-006 **Work Order #...:** LFA281AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.079 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-006 **Work Order #...:** LFA281AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65	(23 - 112)
Terphenyl-d14	55	(10 - 132)
2-Fluorobiphenyl	65	(19 - 107)
2-Fluorophenol	45	(10 - 111)
Phenol-d5	55	(15 - 112)
2,4,6-Tribromophenol	58	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-02-31_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-006 **Work Order #:** LFA281AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-007 **Work Order #...:** LFA3A1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 20:34
Dilution Factor: 1.1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	**0.13 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**3.6 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.023 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.13 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.24**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-007 **Work Order #...:** LFA3A1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.13 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.5	ug/L
2,4-Dinitrophenol	ND	5.5	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.016 J**	**0.22**	**ug/L**
Fluorene	**0.023 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-007 **Work Order #...:** LFA3A1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.5	ug/L
3-Nitroaniline	ND	5.5	ug/L
4-Nitroaniline	ND	5.5	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.5	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.081 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-007 **Work Order #...:** LFA3A1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	57	(23 - 112)
Terphenyl-d14	67	(10 - 132)
2-Fluorobiphenyl	56	(19 - 107)
2-Fluorophenol	44	(10 - 111)
Phenol-d5	54	(15 - 112)
2,4,6-Tribromophenol	57	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW7-05-28_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-007 **Work Order #:** LFA3A1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-008 **Work Order #...:** LFA3C1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 20:55
Dilution Factor: 1.16

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J**	**0.23**	**ug/L**
Acenaphthylene	ND	0.23	ug/L
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	ND	1.2	ug/L
Anthracene	**0.030 J**	**0.23**	**ug/L**
Benzo(a)anthracene	ND	0.23	ug/L
Benzo(a)pyrene	**1.0**	**0.23**	**ug/L**
Benzo(b)fluoranthene	ND	0.23	ug/L
Benzo(ghi)perylene	**0.84**	**0.23**	**ug/L**
Benzo(k)fluoranthene	**0.073 J**	**0.23**	**ug/L**
Benzyl alcohol	**0.13 J**	**1.2**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.23	ug/L
bis(2-Ethylhexyl) phthalate	**8.0 B**	**1.2**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.2	ug/L
Butyl benzyl phthalate	ND	1.2	ug/L
4-Chloroaniline	ND	1.2	ug/L
4-Chloro-3-methylphenol	ND	1.2	ug/L
2-Chloronaphthalene	ND	0.23	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	ND	0.23	ug/L
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	**1.4**	**0.23**	**ug/L**
Dibenzofuran	**0.032 J,B**	**1.2**	**ug/L**
Di-n-butyl phthalate	**0.19 J,B**	**1.2**	**ug/L**
1,2-Dichlorobenzene	ND	0.23	ug/L
1,3-Dichlorobenzene	ND	0.23	ug/L
1,4-Dichlorobenzene	**0.30**	**0.23**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	ND	0.23	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-008 **Work Order #...:** LFA3C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.23	ug/L
Diethyl phthalate	**0.12 J,B**	**1.2**	**ug/L**
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethyl-amine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	**1.1 J**	**1.2**	**ug/L**
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	5.8	ug/L
2,4-Dinitrophenol	ND	5.8	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	ND	1.2	ug/L
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	**0.031 J**	**0.23**	**ug/L**
Fluorene	**0.030 J**	**0.23**	**ug/L**
Hexachlorobenzene	ND	0.23	ug/L
Hexachlorobutadiene	ND	0.23	ug/L
Hexachlorocyclopenta-diene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	**1.2**	**0.23**	**ug/L**
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.6	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	**0.040 J**	**0.23**	**ug/L**
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	**0.038 J**	**1.2**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-008 **Work Order #...:** LFA3C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.23	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	ND	5.8	ug/L
3-Nitroaniline	ND	5.8	ug/L
4-Nitroaniline	ND	5.8	ug/L
Nitrobenzene	ND	0.23	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	ND	5.8	ug/L
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.23	ug/L
N-Nitrosodiphenylamine	ND	0.23	ug/L
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.23	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.3	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	ND	1.2	ug/L
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.12 J,B**	**0.23**	**ug/L**
Phenol	ND	0.23	ug/L
p-Phenylene diamine	ND	46	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	**0.026 J**	**0.23**	**ug/L**
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-008 **Work Order #...:** LFA3C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.23	ug/L
2,4,5-Trichloro-phenol	ND	1.2	ug/L
2,4,6-Trichloro-phenol	ND	1.2	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(23 - 112)
Terphenyl-d14	70	(10 - 132)
2-Fluorobiphenyl	61	(19 - 107)
2-Fluorophenol	30	(10 - 111)
Phenol-d5	49	(15 - 112)
2,4,6-Tribromophenol	64	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW7-04-26_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-008 **Work Order #:** LFA3C1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-009 **Work Order #...:** LFA3E1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 21:16
Dilution Factor: 1.18

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.072 J**	**0.24**	**ug/L**
Acenaphthylene	**0.041 J**	**0.24**	**ug/L**
Acetophenone	ND	1.2	ug/L
2-Acetylaminofluorene	ND	1.2	ug/L
4-Aminobiphenyl	ND	1.2	ug/L
Aniline	ND	1.2	ug/L
Anthracene	**0.028 J**	**0.24**	**ug/L**
Benzo(a)anthracene	**0.069 J**	**0.24**	**ug/L**
Benzo(a)pyrene	**1.0**	**0.24**	**ug/L**
Benzo(b)fluoranthene	ND	0.24	ug/L
Benzo(ghi)perylene	**0.88**	**0.24**	**ug/L**
Benzo(k)fluoranthene	**0.11 J**	**0.24**	**ug/L**
Benzyl alcohol	**0.12 J**	**1.2**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.2	ug/L
bis(2-Chloroethyl)-ether	ND	0.24	ug/L
bis(2-Ethylhexyl) phthalate	**2.3 B**	**1.2**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.2	ug/L
Butyl benzyl phthalate	ND	1.2	ug/L
4-Chloroaniline	ND	1.2	ug/L
4-Chloro-3-methylphenol	ND	1.2	ug/L
2-Chloronaphthalene	ND	0.24	ug/L
2-Chlorophenol	ND	1.2	ug/L
4-Chlorophenyl phenyl ether	ND	1.2	ug/L
Chrysene	**0.096 J**	**0.24**	**ug/L**
Diallate	ND	1.2	ug/L
Dibenz(a,h)anthracene	**1.5**	**0.24**	**ug/L**
Dibenzofuran	**0.058 J,B**	**1.2**	**ug/L**
Di-n-butyl phthalate	**0.20 J,B**	**1.2**	**ug/L**
1,2-Dichlorobenzene	ND	0.24	ug/L
1,3-Dichlorobenzene	ND	0.24	ug/L
1,4-Dichlorobenzene	**0.29**	**0.24**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.2	ug/L
2,4-Dichlorophenol	ND	0.24	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-009 **Work Order #...:** LFA3E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.24	ug/L
Diethyl phthalate	**0.16 J,B**	**1.2**	**ug/L**
Dimethoate	ND	1.2	ug/L
p-Dimethylaminoazobenzene	ND	1.2	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.2	ug/L
3,3'-Dimethylbenzidine	ND	12	ug/L
a,a-Dimethylphenethyl-amine	ND	1.2	ug/L
2,4-Dimethylphenol	ND	1.2	ug/L
Dimethyl phthalate	ND	1.2	ug/L
Di-n-octyl phthalate	**0.94 J**	**1.2**	**ug/L**
1,3-Dinitrobenzene	ND	1.2	ug/L
4,6-Dinitro-2-methylphenol	ND	5.9	ug/L
2,4-Dinitrophenol	ND	5.9	ug/L
2,4-Dinitrotoluene	ND	1.2	ug/L
2,6-Dinitrotoluene	ND	1.2	ug/L
Dinoseb	ND	1.2	ug/L
Disulfoton	ND	1.2	ug/L
Ethyl methanesulfonate	ND	1.2	ug/L
Famphur	ND	12	ug/L
Fluoranthene	**0.071 J**	**0.24**	**ug/L**
Fluorene	**0.057 J**	**0.24**	**ug/L**
Hexachlorobenzene	ND	0.24	ug/L
Hexachlorobutadiene	ND	0.24	ug/L
Hexachlorocyclopenta-diene	ND	1.2	ug/L
Hexachloroethane	ND	1.2	ug/L
Hexachloropropene	ND	1.2	ug/L
Indeno(1,2,3-cd)pyrene	**1.2**	**0.24**	**ug/L**
Isodrin	ND	1.2	ug/L
Isophorone	ND	1.2	ug/L
Isosafrole	ND	1.2	ug/L
Kepone	ND	4.7	ug/L
Methapyrilene	ND	1.2	ug/L
3-Methylcholanthrene	ND	1.2	ug/L
Methyl methanesulfonate	ND	1.2	ug/L
2-Methylnaphthalene	**0.023 J**	**0.24**	**ug/L**
Methyl parathion	ND	1.2	ug/L
2-Methylphenol	ND	1.2	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-009 **Work Order #...:** LFA3E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.24	ug/L
1,4-Naphthoquinone	ND	1.2	ug/L
1-Naphthylamine	ND	1.2	ug/L
2-Naphthylamine	ND	1.2	ug/L
2-Nitroaniline	ND	5.9	ug/L
3-Nitroaniline	ND	5.9	ug/L
4-Nitroaniline	ND	5.9	ug/L
Nitrobenzene	ND	0.24	ug/L
2-Nitrophenol	ND	1.2	ug/L
4-Nitrophenol	ND	5.9	ug/L
4-Nitroquinoline-1-oxide	ND	12	ug/L
N-Nitrosodi-n-butylamine	ND	1.2	ug/L
N-Nitrosodiethylamine	ND	1.2	ug/L
N-Nitrosodimethylamine	ND	1.2	ug/L
N-Nitrosodi-n-propylamine	ND	0.24	ug/L
N-Nitrosodiphenylamine	ND	0.24	ug/L
N-Nitrosomethylethylamine	ND	1.2	ug/L
N-Nitrosomorpholine	ND	1.2	ug/L
N-Nitrosopiperidine	ND	1.2	ug/L
N-Nitrosopyrrolidine	ND	1.2	ug/L
5-Nitro-o-toluidine	ND	12	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.24	ug/L
Parathion	ND	1.2	ug/L
Pentachlorobenzene	ND	1.2	ug/L
Pentachloroethane	ND	2.4	ug/L
Pentachloronitrobenzene	ND	1.2	ug/L
Pentachlorophenol	ND	1.2	ug/L
Phenacetin	ND	1.2	ug/L
Phenanthrene	**0.14 J,B**	**0.24**	**ug/L**
Phenol	ND	0.24	ug/L
p-Phenylene diamine	ND	47	ug/L
Phorate	ND	1.2	ug/L
2-Picoline	ND	1.2	ug/L
Pronamide	ND	1.2	ug/L
Pyrene	**0.066 J**	**0.24**	**ug/L**
Pyridine	ND	1.2	ug/L
Safrole	ND	1.2	ug/L
Sulfotepp	ND	1.2	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.2	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-009 **Work Order #...:** LFA3E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.2	ug/L
Thionazin	ND	1.2	ug/L
o-Toluidine	ND	1.2	ug/L
1,2,4-Trichloro-benzene	ND	0.24	ug/L
2,4,5-Trichloro-phenol	ND	1.2	ug/L
2,4,6-Trichloro-phenol	ND	1.2	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.2	ug/L
1,3,5-Trinitrobenzene	ND	1.2	ug/L
Chlorobenzilate	ND	1.2	ug/L
Aramite	ND	1.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	58	(23 - 112)
Terphenyl-d14	70	(10 - 132)
2-Fluorobiphenyl	55	(19 - 107)
2-Fluorophenol	40	(10 - 111)
Phenol-d5	53	(15 - 112)
2,4,6-Tribromophenol	49	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-08-28_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-009 **Work Order #:** LFA3E1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-010 **Work Order #...:** LFA3F1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 21:37
Dilution Factor: 1.1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.034 J**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.025 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	**0.12 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**11 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.76 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.029 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.29 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.21 J**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-010 **Work Order #...:** LFA3F1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.23 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.5	ug/L
2,4-Dinitrophenol	ND	5.5	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.035 J**	**0.22**	**ug/L**
Fluorene	**0.025 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-010 **Work Order #...:** LFA3F1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	**0.36 J**	**1.1**	**ug/L**
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.5	ug/L
3-Nitroaniline	ND	5.5	ug/L
4-Nitroaniline	ND	5.5	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.5	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.096 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-010 **Work Order #...:** LFA3F1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	57	(23 - 112)
Terphenyl-d14	75	(10 - 132)
2-Fluorobiphenyl	57	(19 - 107)
2-Fluorophenol	19	(10 - 111)
Phenol-d5	31	(15 - 112)
2,4,6-Tribromophenol	27	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-12-42_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-010 **Work Order #:** LFA3F1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-011 **Work Order #...:** LFA3G1AC **Matrix.....:** WQ
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 21:58
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.057 J**	**0.21**	**ug/L**
Acenaphthylene	**0.034 J**	**0.21**	**ug/L**
Acetophenone	**0.054 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	**0.15 J**	**1.0**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**15 B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	**0.66 J**	**1.0**	**ug/L**
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	**0.038 J**	**0.21**	**ug/L**
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.056 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.17 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.067 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.20 J**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-011 **Work Order #...:** LFA3G1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.16 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	ND	0.21	ug/L
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.042 J**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.094 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-011 **Work Order #...:** LFA3G1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.046 J**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.098 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-011 **Work Order #...:** LFA3G1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(23 - 112)
Terphenyl-d14	89	(10 - 132)
2-Fluorobiphenyl	60	(19 - 107)
2-Fluorophenol	49	(10 - 111)
Phenol-d5	61	(15 - 112)
2,4,6-Tribromophenol	60	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

FB-02_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-011 **Work Order #:** LFA3G1AC **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-012 **Work Order #...:** LFA3H1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 22:19
Dilution Factor: 1.11

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.016 J**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.79 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**0.53 J**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	ND	1.1	ug/L
Di-n-butyl phthalate	**0.24 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.17 J**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-012 **Work Order #...:** LFA3H1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.38 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	**0.55 J**	**1.1**	**ug/L**
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	**1.5 J**	**11**	**ug/L**
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.6	ug/L
2,4-Dinitrophenol	ND	5.6	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.023 J**	**0.22**	**ug/L**
Fluorene	ND	0.22	ug/L
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-012 **Work Order #...:** LFA3H1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.6	ug/L
3-Nitroaniline	ND	5.6	ug/L
4-Nitroaniline	ND	5.6	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.6	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.075 J,B**	**0.22**	**ug/L**
Phenol	**0.076 J**	**0.22**	**ug/L**
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-012 **Work Order #...:** LFA3H1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(23 - 112)
Terphenyl-d14	66	(10 - 132)
2-Fluorobiphenyl	52	(19 - 107)
2-Fluorophenol	17	(10 - 111)
Phenol-d5	31	(15 - 112)
2,4,6-Tribromophenol	35	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-28-74_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-012 **Work Order #:** LFA3H1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-013 **Work Order #...:** LFA3K1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 22:40
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.031 J**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	**0.15 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.83 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**1.2**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.032 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.20 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.066 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.21 J**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-013 **Work Order #...:** LFA3K1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.21 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**0.84 J**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.024 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**0.066 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-013 **Work Order #...:** LFA3K1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.088 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-013 **Work Order #...:** LFA3K1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	67	(23 - 112)
Terphenyl-d14	43	(10 - 132)
2-Fluorobiphenyl	68	(19 - 107)
2-Fluorophenol	55	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	68	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW2-01-22_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-013 **Work Order #:** LFA3K1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-014 **Work Order #...:** LFA3L1AC **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09 **MS Run #.....:**
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 23:01
Dilution Factor: 1.12

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.054 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.47**	**0.22**	**ug/L**
Benzo(a)anthracene	**2.7**	**0.22**	**ug/L**
Benzo(a)pyrene	**2.4**	**0.22**	**ug/L**
Benzo(b)fluoranthene	**2.8**	**0.22**	**ug/L**
Benzo(ghi)perylene	**3.4**	**0.22**	**ug/L**
Benzo(k)fluoranthene	**2.5**	**0.22**	**ug/L**
Benzyl alcohol	**0.13 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**2.3 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	**1.9**	**1.1**	**ug/L**
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	**2.8**	**0.22**	**ug/L**
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	**3.8**	**0.22**	**ug/L**
Dibenzofuran	**0.062 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.47 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.082 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.28**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-014 **Work Order #...:** LFA3L1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.22 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	**0.046 J**	**1.1**	**ug/L**
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	**2.1**	**1.1**	**ug/L**
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.6	ug/L
2,4-Dinitrophenol	ND	5.6	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.68**	**0.22**	**ug/L**
Fluorene	**0.11 J**	**0.22**	**ug/L**
Hexachlorobenzene	**0.25**	**0.22**	**ug/L**
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	**3.6**	**0.22**	**ug/L**
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.5	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.021 J**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**0.049 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-014 **Work Order #...:** LFA3L1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.6	ug/L
3-Nitroaniline	ND	5.6	ug/L
4-Nitroaniline	ND	5.6	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.6	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.36 B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	45	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.74**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

GC/MS Semivolatiles

Lot-Sample #...: C9F190331-014 **Work Order #...:** LFA3L1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	67	(23 - 112)
Terphenyl-d14	49	(10 - 132)
2-Fluorobiphenyl	71	(19 - 107)
2-Fluorophenol	53	(10 - 111)
Phenol-d5	63	(15 - 112)
2,4,6-Tribromophenol	69	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-02-24_061809

GC/MS Semivolatiles

Lot-Sample #: C9F190331-014 **Work Order #:** LFA3L1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F190331 **Work Order #...:** LFJF71AA **Matrix.....:** WATER
MB Lot-Sample #: C9F240000-385
Prep Date.....: 06/24/09 **Analysis Time..:** 17:24
Analysis Date..: 06/29/09 **Prep Batch #...:** 9175385
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	**0.76 J**	**1.0**	**ug/L**	**SW846 8270C**
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	**0.027 J**	**1.0**	**ug/L**	**SW846 8270C**
Di-n-butyl phthalate	**0.084 J**	**1.0**	**ug/L**	**SW846 8270C**
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	**0.097 J**	**1.0**	**ug/L**	**SW846 8270C**
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F190331 **Work Order #...:** LFJF71AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F190331 **Work Order #...:** LFJF71AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.065 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	ND	1.0	ug/L	SW846 8270C
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F190331 **Work Order #...:** LFJF71AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	53	(23 - 112)
Terphenyl-d14	88	(10 - 132)
2-Fluorobiphenyl	53	(19 - 107)
2-Fluorophenol	34	(10 - 111)
Phenol-d5	50	(15 - 112)
2,4,6-Tribromophenol	57	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C9F240000-385 B **Work Order #:** LFJF71AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F190331 **Work Order #...:** LFJF71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F240000-385 LFJF71AD-LCSD
Prep Date.....: 06/24/09 **Analysis Date..:** 06/29/09
Prep Batch #...: 9175385 **Analysis Time..:** 17:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	51	(35 - 99)			SW846 8270C
	55	(35 - 99)	6.8	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	66	(37 - 104)			SW846 8270C
	64	(37 - 104)	2.2	(0-40)	SW846 8270C
Butyl benzyl phthalate	81	(36 - 108)			SW846 8270C
	82	(36 - 108)	1.0	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	54	(35 - 104)			SW846 8270C
	66	(35 - 104)	19	(0-42)	SW846 8270C
2-Chlorophenol	44	(31 - 99)			SW846 8270C
	47	(31 - 99)	5.0	(0-39)	SW846 8270C
1,4-Dichlorobenzene	36	(34 - 93)			SW846 8270C
	39	(34 - 93)	5.4	(0-41)	SW846 8270C
4-Methylphenol	50	(32 - 100)			SW846 8270C
	55	(32 - 100)	7.9	(0-41)	SW846 8270C
2,4-Dinitrotoluene	77	(37 - 115)			SW846 8270C
	89	(37 - 115)	14	(0-39)	SW846 8270C
Hexachloroethane	36	(32 - 94)			SW846 8270C
	37	(32 - 94)	2.4	(0-39)	SW846 8270C
Naphthalene	42	(35 - 97)			SW846 8270C
	44	(35 - 97)	6.1	(0-43)	SW846 8270C
4-Nitrophenol	62	(29 - 115)			SW846 8270C
	96 p	(29 - 115)	43	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	58	(34 - 101)			SW846 8270C
	62	(34 - 101)	5.7	(0-43)	SW846 8270C
Pentachlorophenol	45	(15 - 111)			SW846 8270C
	67	(15 - 111)	39	(0-42)	SW846 8270C
Phenol	47	(32 - 95)			SW846 8270C
	50	(32 - 95)	6.7	(0-39)	SW846 8270C
Pyrene	73	(35 - 106)			SW846 8270C
	77	(35 - 106)	5.2	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	36	(34 - 96)			SW846 8270C
	39	(34 - 96)	6.5	(0-45)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F190331 **Work Order #...:** LFJF71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F240000-385 LFJF71AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(23 - 112)
	54	(23 - 112)
Terphenyl-d14	73	(10 - 132)
	76	(10 - 132)
2-Fluorobiphenyl	51	(19 - 107)
	53	(19 - 107)
2-Fluorophenol	41	(10 - 111)
	43	(10 - 111)
Phenol-d5	49	(15 - 112)
	52	(15 - 112)
2,4,6-Tribromophenol	62	(16 - 122)
	65	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-001 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	**1.6 B**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AD**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA2W1AE
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Arsenic	**11.2**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AF**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Barium	**130**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AG**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA2W1AH
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA2W1AJ
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Cobalt	**0.45 B**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AK**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Chromium	**3.0**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AL**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Copper	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AM**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Nickel	**0.89 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AN**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Lead	**0.12 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AP**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA2W1AQ
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-02-27_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-001 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.095 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AR**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Antimony	**0.15 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AT**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Vanadium	**1.4 J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AU**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	
Zinc	**5.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2W1AV**
		Dilution Factor: 1		Analysis Time..: 16:35	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA2W1AW
		Dilution Factor: 1		Analysis Time..: 10:03	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-002 **Matrix.....:** WQ
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	**2.7 B**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AD**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA2X1AE
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Arsenic	**10.8**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AF**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Barium	**127**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AG**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA2X1AH
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA2X1AJ
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Cobalt	**0.48 B**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AK**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Chromium	**3.1**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AL**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Copper	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AM**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Nickel	**0.93 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AN**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Lead	**0.12 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AP**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA2X1AQ
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-01_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-002 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.17 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AR**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Antimony	**0.088 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AT**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA2X1AU
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	
Zinc	**5.3 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA2X1AV**
		Dilution Factor: 1		Analysis Time..: 16:55	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA2X1AW
		Dilution Factor: 1		Analysis Time..: 10:05	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-003 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA201AD
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA201AE
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Arsenic	**1.4**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AF**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Barium	**58.4**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AG**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA201AH
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA201AJ
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Cobalt	**0.50**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AK**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Chromium	**2.8**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AL**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Copper	**1.8 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AM**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Nickel	**0.40 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AN**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Lead	**0.12 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AP**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA201AQ
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-29-29_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-003 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.061 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AR**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Antimony	**0.056 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AT**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA201AU
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	
Zinc	**19.7 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA201AV**
		Dilution Factor: 1		Analysis Time..: 16:59	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA201AW
		Dilution Factor: 1		Analysis Time..: 10:06	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-004 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA211AD
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA211AE
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Arsenic	**0.47 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AF**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Barium	**30.6**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AG**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA211AH
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA211AJ
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Cobalt	**0.62**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AK**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Chromium	**2.9**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AL**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Copper	**1.3 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AM**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Nickel	**0.86 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AN**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Lead	**0.039 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AP**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Selenium	**0.55 B**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AQ**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-12-29_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-004 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.089 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AR**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Antimony	**0.055 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AT**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA211AU
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	
Zinc	**15.8 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA211AV**
		Dilution Factor: 1		Analysis Time..: 17:03	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA211AW
		Dilution Factor: 1		Analysis Time..: 10:12	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-005 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA261AD
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA261AE
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Arsenic	**21.1**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AF**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Barium	**50.1**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AG**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA261AH
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA261AJ
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Cobalt	**0.12 B**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AK**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Chromium	**2.7**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AL**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Copper	**1.7 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AM**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Nickel	**0.32 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AN**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Lead	**0.12 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AP**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Selenium	**0.66 B**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AQ**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW5-07-24_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-005 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.027 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AR**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Antimony	**0.063 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AT**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA261AU
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	
Zinc	**4.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA261AV**
		Dilution Factor: 1		Analysis Time..: 17:08	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA261AW
		Dilution Factor: 1		Analysis Time..: 10:17	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-006 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA281AD
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA281AE
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Arsenic	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA281AF
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Barium	**33.9**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AG**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA281AH
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA281AJ
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Cobalt	**0.58**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AK**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Chromium	**2.2**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AL**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Copper	**1.6 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AM**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Nickel	**0.84 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AN**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Lead	**0.16 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AP**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA281AQ
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-02-31_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-006 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.18 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AR**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Antimony	**0.43 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AT**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA281AU
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	
Zinc	**12.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA281AV**
		Dilution Factor: 1		Analysis Time..: 17:26	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA281AW
		Dilution Factor: 1		Analysis Time..: 10:19	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-007 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3A1AD
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3A1AE
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Arsenic	**0.39 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AF**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Barium	**67.4**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AG**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3A1AH
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3A1AJ
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Cobalt	**0.60**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AK**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Chromium	**2.7**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AL**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Copper	**2.7 J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AM**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Nickel	**1.4**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AN**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Lead	**0.60 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AP**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3A1AQ
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-05-28_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-007 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.058 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AR**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Antimony	**0.19 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AT**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3A1AU
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	
Zinc	**12.6 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3A1AV**
		Dilution Factor: 1		Analysis Time..: 17:30	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3A1AW
		Dilution Factor: 1		Analysis Time..: 10:21	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-008 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3C1AD
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3C1AE
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Arsenic	**0.75 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AF**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Barium	**32.5**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AG**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3C1AH
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3C1AJ
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Cobalt	**0.22 B**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AK**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Chromium	**3.0**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AL**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Copper	**1.9 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AM**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Nickel	**0.78 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AN**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Lead	**0.56 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AP**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3C1AQ
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW7-04-26_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-008 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.024 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AR**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Antimony	**0.12 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AT**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3C1AU
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	
Zinc	**11.2 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3C1AV**
		Dilution Factor: 1		Analysis Time..: 17:35	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3C1AW
		Dilution Factor: 1		Analysis Time..: 10:22	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-009 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3E1AD
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3E1AE
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Arsenic	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3E1AF
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Barium	**39.9**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AG**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3E1AH
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Cadmium	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AJ**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Cobalt	**1.5**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AK**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Chromium	**3.4**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AL**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Copper	**2.1 J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AM**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Nickel	**2.0**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AN**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Lead	**0.30 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AP**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3E1AQ
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-08-28_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-009 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3E1AR
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Antimony	**0.097 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AT**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Vanadium	**0.46 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AU**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	
Zinc	**66.3 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3E1AV**
		Dilution Factor: 1		Analysis Time..: 17:39	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3E1AW
		Dilution Factor: 1		Analysis Time..: 10:24	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-010 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3F1AD
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3F1AE
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Arsenic	**0.40 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AF**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Barium	**8.7 B**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AG**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3F1AH
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Cadmium	**0.26 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AJ**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Cobalt	**0.94**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AK**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Chromium	**2.9**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AL**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Copper	**5.0 J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AM**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Nickel	**2.3**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AN**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Lead	**0.85 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AP**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3F1AQ
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-12-42_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-010 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3F1AR
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Antimony	**0.061 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AT**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3F1AU
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	
Zinc	**19.2 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3F1AV**
		Dilution Factor: 1		Analysis Time..: 17:43	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3F1AW
		Dilution Factor: 1		Analysis Time..: 10:26	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-011 **Matrix.....:** WQ
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AD
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AE
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Arsenic	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AF
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Barium	ND	10.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AG
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AH
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AJ
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Cobalt	ND	0.50	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AK
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Chromium	**3.5**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3G1AL**
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Copper	**1.8 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3G1AM**
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Nickel	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AN
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Lead	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3G1AP**
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AQ
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-02_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-011 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AR
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Antimony	ND	2.0	ug/L	SW846 6020	06/20-07/02/09	LFA3G1AT
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Vanadium	**0.083 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3G1AU**
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	
Zinc	**4.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3G1AV**
		Dilution Factor: 1		Analysis Time..: 17:47	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3G1AW
		Dilution Factor: 1		Analysis Time..: 10:27	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-012 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3H1AD
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3H1AE
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Arsenic	**0.80 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AF**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Barium	**4.3 B**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AG**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3H1AH
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Cadmium	**0.31 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AJ**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Cobalt	**4.7**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AK**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Chromium	**3.4**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AL**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Copper	**1.9 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AM**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Nickel	**13.1**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AN**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Lead	**0.058 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AP**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3H1AQ
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-28-74_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-012 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3H1AR
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Antimony	**0.047 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AT**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Vanadium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3H1AU
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	
Zinc	**8.6 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3H1AV**
		Dilution Factor: 1		Analysis Time..: 17:51	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3H1AW
		Dilution Factor: 1		Analysis Time..: 10:29	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-013 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3K1AD
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3K1AE
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Arsenic	**0.69 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AF**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Barium	**30.0**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AG**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3K1AH
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3K1AJ
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Cobalt	**0.11 B**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AK**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Chromium	**5.5**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AL**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Copper	**1.4 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AM**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Nickel	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AN**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Lead	**0.067 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AP**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Selenium	**10.3**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AQ**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-01-22_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-013 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3K1AR
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Antimony	**0.12 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AT**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Vanadium	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AU**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	
Zinc	**5.7 J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3K1AV**
		Dilution Factor: 1		Analysis Time..: 17:56	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3K1AW
		Dilution Factor: 1		Analysis Time..: 10:31	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-014 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFA3L1AD
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3L1AE
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Arsenic	**23.3**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AF**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Barium	**328**	**10.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AG**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3L1AH
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Cadmium	**0.12 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AJ**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Cobalt	**0.50**	**0.50**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AK**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Chromium	**2.3**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AL**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Copper	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AM**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Nickel	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AN**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Lead	**0.099 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AP**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Selenium	**0.42 B**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AQ**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-02-24_061809

DISSOLVED Metals

Lot-Sample #...: C9F190331-014 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFA3L1AR
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Antimony	**0.039 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AT**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Vanadium	**1.1 J**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AU**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	
Zinc	**4.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFA3L1AV**
		Dilution Factor: 1		Analysis Time..: 18:00	MS Run #.....: 9171072	

Prep Batch #...: 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFA3L1AW
		Dilution Factor: 1		Analysis Time..: 10:33	MS Run #.....: 9173009	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C9F200000-108 **Prep Batch #...:** 9171108						
Tin	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AA
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Silver	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AC
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Arsenic	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AD
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Barium	ND	10.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AE
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Beryllium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AF
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Cadmium	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AG
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Cobalt	ND	0.50	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AH
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Chromium	ND	2.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AJ
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Copper	**0.63 B**	**2.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFCLD1AK**
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Nickel	ND	1.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AL
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Lead	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFCLD1AM**
		Dilution Factor: 1				
		Analysis Time..: 16:08				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AN
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Thallium	**0.033 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFCLD1AP**
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Antimony	ND	2.0	ug/L	SW846 6020	06/20-07/02/09	LFCLD1AQ
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Vanadium	**0.34 B**	**1.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFCLD1AR**
		Dilution Factor: 1				
		Analysis Time..: 16:08				
Zinc	**2.1 B**	**5.0**	**ug/L**	**SW846 6020**	**06/20-07/02/09**	**LFCLD1AT**
		Dilution Factor: 1				
		Analysis Time..: 16:08				

MB Lot-Sample #: C9F220000-017 **Prep Batch #...:** 9173017

Mercury	ND	0.20	ug/L	SW846 7470A	06/22/09	LFD0X1AA
		Dilution Factor: 1				
		Analysis Time..: 09:59				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C9F200000-108 **Prep Batch #...:** 9171108					
Tin	98	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1AU
		Dilution Factor: 1	Analysis Time..: 16:26		
Silver	103	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1AV
		Dilution Factor: 1	Analysis Time..: 16:26		
Arsenic	98	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1AW
		Dilution Factor: 1	Analysis Time..: 16:26		
Barium	100	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1AX
		Dilution Factor: 1	Analysis Time..: 16:26		
Beryllium	100	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A0
		Dilution Factor: 1	Analysis Time..: 16:26		
Cadmium	101	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A1
		Dilution Factor: 1	Analysis Time..: 16:26		
Cobalt	94	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A2
		Dilution Factor: 1	Analysis Time..: 16:26		
Chromium	96	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A3
		Dilution Factor: 1	Analysis Time..: 16:26		
Copper	97	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A4
		Dilution Factor: 1	Analysis Time..: 16:26		
Nickel	91	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A5
		Dilution Factor: 1	Analysis Time..: 16:26		
Lead	107	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A6
		Dilution Factor: 1	Analysis Time..: 16:26		
Selenium	102	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A7
		Dilution Factor: 1	Analysis Time..: 16:26		
Thallium	103	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A8
		Dilution Factor: 1	Analysis Time..: 16:26		
Antimony	98	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1A9
		Dilution Factor: 1	Analysis Time..: 16:26		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	95	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1CA
		Dilution Factor: 1	Analysis Time..: 16:26		
Zinc	99	(80 - 120)	SW846 6020	06/20-07/02/09	LFCLD1CC
		Dilution Factor: 1	Analysis Time..: 16:26		

LCS Lot-Sample#: C9F220000-017 **Prep Batch #...:** 9173017

Mercury	94	(80 - 120)	SW846 7470A	06/22/09	LFD0X1AC
		Dilution Factor: 1	Analysis Time..: 10:01		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9F190331-001 **Prep Batch #...:** 9171108							
Tin	99	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1AX
	99	(75 - 125)	0.35	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1A0
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Silver	101	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1A1
	99	(75 - 125)	1.4	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1A2
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Arsenic	98	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1A3
	95	(75 - 125)	2.6	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1A4
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Barium	98	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1A5
	97	(75 - 125)	0.33	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1A6
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Beryllium	98	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1A7
	98	(75 - 125)	0.28	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1A8
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Cadmium	100	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1A9
	99	(75 - 125)	1.7	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CA
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Cobalt	91	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CC
	90	(75 - 125)	0.70	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CD
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	90	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CE
	89	(75 - 125)	0.65	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CF
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Copper	93	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CG
	92	(75 - 125)	1.4	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CH
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Nickel	87	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CJ
	87	(75 - 125)	0.18	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CK
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Lead	107	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CL
	106	(75 - 125)	1.3	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CM
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Selenium	101	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CN
	96	(75 - 125)	4.9	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CP
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Thallium	103	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CQ
	103	(75 - 125)	0.17	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CR
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Antimony	100	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CT
	98	(75 - 125)	1.6	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CU
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	91	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CV
	91	(75 - 125)	0.21	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1CW
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					
Zinc	96	(75 - 125)			SW846 6020	06/20-07/02/09	LFA2W1CX
	95	(75 - 125)	1.3	(0-20)	SW846 6020	06/20-07/02/09	LFA2W1C0
		Dilution Factor: 1					
		Analysis Time..: 16:43					
		MS Run #.....: 9171072					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F190331 **Matrix.....:** W
Date Sampled...: 06/18/09 **Date Received..:** 06/19/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9F190331-003 **Prep Batch #...:** 9173017							
Mercury	91	(75 - 125)			SW846 7470A	06/22/09	LFA201AX
	92	(75 - 125)	0.76	(0-20)	SW846 7470A	06/22/09	LFA201A0

Dilution Factor: 1
Analysis Time..: 10:08
MS Run #.....: 9173009

NOTE(S):

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. GWM

Langan/USS Fairless Site

Lot #: C9F200181

Judd Herr

Langan Engineering & Environme
2700 Kelly Road
Suite 200
Warrington, PA 18976

TESTAMERICA LABORATORIES, INC.

Kathryn L. Bort
Project Manager

July 8, 2009

301 Alpha Drive Pittsburgh, PA 15238 **tel** 412.963.7058 **fax** 412.963.2468 **www.testamericainc.com**

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	WW	X
		HW	X
Illinois – NELAC	(#002064)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#04041)	WW	X
		HW	X
New Hampshire – NELAC	(#203008)	WW	X
		--	--
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014002)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

Langan

Lot # C9F200181

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on June 20, 2009. The coolers were received at a temperature range of 2.0°C to 2.7°C.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D in calibration verification standard AC5070209, was > 25% for acrolein (33.1%), isobutanol (30.4%), and methyl methacrylate (41.3%). These are within the expected performance range,

Trans-1, 4-Dichloro-2-butene (57.6%) was out high by >50% in the calibration verification standard AC5070209. The compound was ND in the samples.

The %D in calibration verification standard CC5070209, was > 25% for acetonitrile (36.7%), carbon tetrachloride (33.8%), and chloroethane (31.3%). These are within the expected performance range.

GC/MS Semivolatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D for several compounds in the calibration verification standards was > 25%. These are within the expected performance range.

Several compounds were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "J" qualifier. Sample results for these compounds are flagged with a "B" qualifier.

CASE NARRATIVE

Langan

Lot # C9F200181

Metals:

Several analytes were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "B" qualifier. Sample results for these compounds are flagged with a "J" qualifier.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: ANSAN	Project Manager: Judd Hart	Date: 6/19/09	Chain of Custody Number: 366307
Address: 2700 Kelly Rd, Suite 200	Telephone Number (Area Code)/Fax Number: 215 491-6542	Lab Number: C9F200181	Page 1 of 2
City: Warrington; State: PA; Zip Code: 18976	Site Contact: Judd Hart	Lab Contact: Kathy Bort	
Project Name and Location (State): LSS RCRA GW Sampling	Carrier/Waybill Number: 2634102		
Contract/Purchase Order/Quote No.: 18003985			

Analysis (Attach list if more space is needed): RCRA Appendix IX VOCs; RCRA Appendix IX SVOCs; RCRA Appendix IX Metals

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RCRA Appendix IX VOCs	RCRA Appendix IX SVOCs	RCRA Appendix IX Metals
MW1-23-47-061909	6/19/09	945		X			X		X	X			X	X	X
MW3-12-31-061909	6/19/09	1050		X			X		X	X			X	X	X
MW4-11-33-061909	6/19/09	1135		X			X		X	X			X	X	X
MW6-02-27-061909	6/19/09	1232		X			X		X	X			X	X	X
MW6-20-37-061909	6/19/09	1015		X			X		X	X			X	X	X
MW4-14-36-061909	6/19/09	845		X			X		X	X			X	X	X
MW6-05-28-061909	6/19/09	1120		X			X		X	X			X	X	X
MW6-06-24-061909	6/19/09	1230		X			X		X	X			X	X	X
MW1-15-29-061909	6/19/09	1052		X			X		X	X			X	X	X
MW2-03-33-061909	6/19/09	840		X			X		X	X			X	X	X
MW4-33-25-061909	6/19/09	1313		X			X		X	X			X	X	X
MW4-30-63-061909	6/19/09	1600		X			X		X	X			X	X	X

Special Instructions/Conditions of Receipt: All samples on Ice MUST Meet PADEP Act II Standards & MSC's

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other Standard T/A

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	6/19/09	1612	1. Received By: [signature]	6/19/09	16:12
2. Relinquished By: [signature]	6/19/09	1630	2. Received By:		
3. Relinquished By:			3. Received By: [signature]	6-20-09	0905

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: LANGAN	Project Manager: Judd Hair	Date: 6/19/09	Chain of Custody Number: 366308
Address: 2700 Kelly Rd, Suite 200	Telephone Number (Area Code)/Fax Number: 215 491-6542	Lab Number: C9F200181	Page 2 of 2
City: Warrington; State: PA; Zip Code: 18976	Site Contact: Judd Hair; Lab Contact: Kathy Bort		
Project Name and Location (State): USS RCRA Gw Sampling	Carrier/Waybill Number: 2634102		
Contract/Purchase Order/Quote No.: 18003985			

Analysis (Attach list if more space is needed): RCRA Appendix IX VOCs; RCRA Appendix IX SVOCs; RCRA Appendix IX Metals

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RCRA Appendix IX VOCs	RCRA Appendix IX SVOCs	RCRA Appendix IX Metals	Special Instructions/ Conditions of Receipt
Dup-02-061909	6/19/09	—		X			X		X	X			X	X	X	
FB-03-061909	6/19/09	1350		X			X		X	X			X	X	X	
TB-03-061909	6/19/09	—		X						X			X			

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other STANDARD TAT

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 6/19/09	Time: 1812	1. Received By: [signature]	Date: 6/19/09	Time: 1812
2. Relinquished By: [signature]	Date: 6/19/09	Time: 1730	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By: [signature]	Date: 6-20-09	Time: 0905

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHODS SUMMARY

C9F200181

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C9F200181

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LFCXT	001	MW1-23-47_061909	06/19/09	09:45
LFC00	002	MW3-12-31_061909	06/19/09	10:50
LFC06	003	MW4-11-33_061909	06/19/09	11:35
LFC1C	004	MW6-02-27_061909	06/19/09	12:32
LFC1E	005	MW6-20-37_061909	06/19/09	10:15
LFC1P	006	MW4-14-36_061909	06/19/09	08:45
LFC1Q	007	MW6-05-28_061909	06/19/09	11:20
LFC1V	008	MW6-06-24_061909	06/19/09	12:30
LFC10	009	MW1-15-29_061909	06/19/09	10:52
LFC15	010	MW2-03-33_061909	06/19/09	08:40
LFC2D	011	MW4-33-25_061909	06/19/09	13:13
LFC2E	012	MW4-30-63_061909	06/19/09	16:00
LFC2G	013	DUP-02_061909	06/19/09	
LFC2J	014	FB-03_061909	06/19/09	13:50
LFC2M	015	TB-03_061909	06/19/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 11:05
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 13:19
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	**0.15 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.21 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.48 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	**0.33 J**	**1.0**	**ug/L**
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	107	(70 - 118)
Dibromofluoromethane	112	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 16:25
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.70 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.64 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	113	(70 - 118)
Dibromofluoromethane	104	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 15:38
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.68 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	107	(70 - 118)
Dibromofluoromethane	110	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 16:02
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.6 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	106	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	115	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 16:48
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	101	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	105	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 17:11
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.29 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.0**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	108	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 17:35
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**1.0**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.40 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.3**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	112	(70 - 118)
Dibromofluoromethane	108	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 17:58
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**4.7 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	107	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	114	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 18:45
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	104	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	111	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 19:08
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.8 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	109	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 19:31
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	113	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 19:54
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	99	(64 - 135)
4-Bromofluorobenzene	108	(70 - 118)
Dibromofluoromethane	105	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 20:17
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	110	(71 - 118)
1,2-Dichloroethane-d4	104	(64 - 135)
4-Bromofluorobenzene	111	(70 - 118)
Dibromofluoromethane	107	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: TB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-015 **Work Order #...:** LFC2M1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 18:21
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: TB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-015 **Work Order #...:** LFC2M1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**5.1**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	105	(64 - 135)
4-Bromofluorobenzene	113	(70 - 118)
Dibromofluoromethane	107	(70 - 128)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LF1WW1AA **Matrix.....:** WATER
MB Lot-Sample #: C9G020000-340
Prep Date.....: 07/02/09 **Analysis Time..:** 10:30
Analysis Date..: 07/02/09 **Prep Batch #...:** 9183340
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LF1WW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LF1WW1AC **Matrix.....:** WATER
LCS Lot-Sample#: C9G020000-340
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 11:56
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**101**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**98**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**110**	**(65 - 136)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**107**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	101	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LFCXT1C1-MS **Matrix.....:** W
MS Lot-Sample #: C9F200181-001 LFCXT1C2-MSD
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 12:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	98	**(80 - 120)**	**1.4**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**92**	**(80 - 120)**			**SW846 8260B**
	94	**(80 - 120)**	**1.9**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**106**	**(65 - 136)**			**SW846 8260B**
	104	**(65 - 136)**	**2.1**	**(0-35)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**			**SW846 8260B**
	101	**(80 - 123)**	**1.2**	**(0-35)**	**SW846 8260B**
Trichloroethene	**102**	**(73 - 120)**			**SW846 8260B**
	102	**(73 - 120)**	**0.09**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
	107	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
	99	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
	101	(70 - 118)
Dibromofluoromethane	104	(70 - 128)
	106	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 15:25
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.035 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.61 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.036 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.090 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.085 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.29**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.094 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.029 J**	**0.21**	**ug/L**
Fluorene	**0.035 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.028 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.11 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(23 - 112)
Terphenyl-d14	106	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	70	(10 - 111)
Phenol-d5	80	(15 - 112)
2,4,6-Tribromophenol	75	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-001 **Work Order #:** LFCXT1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 15:45
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.21 B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.089 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**0.058 J**	**1.0**	**ug/L**
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**2.1 B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.094 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.082 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.070 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.27**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.077 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.14 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.10 J**	**0.21**	**ug/L**
Fluorene	**0.11 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.14 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.079 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.50 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.23 B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.20 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.083 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(23 - 112)
Terphenyl-d14	54	(10 - 132)
2-Fluorobiphenyl	63	(19 - 107)
2-Fluorophenol	56	(10 - 111)
Phenol-d5	63	(15 - 112)
2,4,6-Tribromophenol	62	(16 - 122)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-002 **Work Order #:** LFC001AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 16:06
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.034 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.69 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.037 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.099 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.12 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.35**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.37 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.033 J**	**0.21**	**ug/L**
Fluorene	**0.037 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopenta-diene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.020 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.20 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.055 J,B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.11 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.034 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(23 - 112)
Terphenyl-d14	71	(10 - 132)
2-Fluorobiphenyl	72	(19 - 107)
2-Fluorophenol	69	(10 - 111)
Phenol-d5	77	(15 - 112)
2,4,6-Tribromophenol	70	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-003 **Work Order #:** LFC061AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 16:26
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.026 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.031 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.071 J**	**0.21**	**ug/L**
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.89 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.075 J**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.047 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.11 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.082 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.38**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.37 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.12 J**	**0.21**	**ug/L**
Fluorene	**0.045 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.022 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.057 J,B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.18 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.13 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(23 - 112)
Terphenyl-d14	88	(10 - 132)
2-Fluorobiphenyl	78	(19 - 107)
2-Fluorophenol	51	(10 - 111)
Phenol-d5	62	(15 - 112)
2,4,6-Tribromophenol	42	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-004 **Work Order #:** LFC1C1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 16:47
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.90 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.040 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.096 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.14 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	**0.070 J**	**0.22**	**ug/L**
1,4-Dichlorobenzene	**0.43**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.086 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.037 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.018 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.045 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.11 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(23 - 112)
Terphenyl-d14	41	(10 - 132)
2-Fluorobiphenyl	68	(19 - 107)
2-Fluorophenol	58	(10 - 111)
Phenol-d5	68	(15 - 112)
2,4,6-Tribromophenol	60	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-005 **Work Order #:** LFC1E1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 17:07
Dilution Factor: 1.14

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.044 J,B**	**0.23**	**ug/L**
Acenaphthylene	ND	0.23	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.23	ug/L
Benzo(a)anthracene	ND	0.23	ug/L
Benzo(a)pyrene	ND	0.23	ug/L
Benzo(b)fluoranthene	ND	0.23	ug/L
Benzo(ghi)perylene	ND	0.23	ug/L
Benzo(k)fluoranthene	ND	0.23	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.23	ug/L
bis(2-Ethylhexyl) phthalate	**1.6 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.23	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.23	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.23	ug/L
Dibenzofuran	**0.040 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	**0.10 J**	**0.23**	**ug/L**
1,3-Dichlorobenzene	ND	0.23	ug/L
1,4-Dichlorobenzene	**0.38**	**0.23**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.23	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.23	ug/L
Diethyl phthalate	**0.072 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.7	ug/L
2,4-Dinitrophenol	ND	5.7	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.23	ug/L
Fluorene	**0.055 J**	**0.23**	**ug/L**
Hexachlorobenzene	ND	0.23	ug/L
Hexachlorobutadiene	ND	0.23	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.23	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.6	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.022 J,B**	**0.23**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.23	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.7	ug/L
3-Nitroaniline	ND	5.7	ug/L
4-Nitroaniline	ND	5.7	ug/L
Nitrobenzene	ND	0.23	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.7	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	**0.91 J**	**1.1**	**ug/L**
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.23	ug/L
N-Nitrosodiphenylamine	ND	0.23	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.23	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.3	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.12 J,B**	**0.23**	**ug/L**
Phenol	ND	0.23	ug/L
p-Phenylene diamine	ND	46	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.23	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.23	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78	(23 - 112)
Terphenyl-d14	52	(10 - 132)
2-Fluorobiphenyl	71	(19 - 107)
2-Fluorophenol	48	(10 - 111)
Phenol-d5	60	(15 - 112)
2,4,6-Tribromophenol	27	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-006 **Work Order #:** LFC1P1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 17:28
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.65 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.020 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.062 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.25**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.018 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.068 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(23 - 112)
Terphenyl-d14	63	(10 - 132)
2-Fluorobiphenyl	46	(19 - 107)
2-Fluorophenol	24	(10 - 111)
Phenol-d5	43	(15 - 112)
2,4,6-Tribromophenol	45	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-007 **Work Order #:** LFC1Q1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 17:49
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.025 J**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.5 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.036 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.14 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.18 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.34**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.084 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.047 J**	**0.21**	**ug/L**
Fluorene	**0.030 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.14 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.045 J**	**0.21**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(23 - 112)
Terphenyl-d14	76	(10 - 132)
2-Fluorobiphenyl	69	(19 - 107)
2-Fluorophenol	42	(10 - 111)
Phenol-d5	59	(15 - 112)
2,4,6-Tribromophenol	53	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-008 **Work Order #:** LFC1V1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 18:09
Dilution Factor: 1.1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.036 J,B**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.027 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.47 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.044 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.082 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.35**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.080 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.5	ug/L
2,4-Dinitrophenol	ND	5.5	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.021 J**	**0.22**	**ug/L**
Fluorene	**0.038 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.021 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**0.025 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.031 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.5	ug/L
3-Nitroaniline	ND	5.5	ug/L
4-Nitroaniline	ND	5.5	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.5	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.14 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	66	(23 - 112)
Terphenyl-d14	51	(10 - 132)
2-Fluorobiphenyl	64	(19 - 107)
2-Fluorophenol	40	(10 - 111)
Phenol-d5	56	(15 - 112)
2,4,6-Tribromophenol	56	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-009 **Work Order #:** LFC101AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 18:30
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.031 J,B**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.024 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.1 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.038 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.093 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.074 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.33**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.20 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.025 J**	**0.22**	**ug/L**
Fluorene	**0.035 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.019 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.15 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	**0.32 J,B**	**1.1**	**ug/L**
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(23 - 112)
Terphenyl-d14	48	(10 - 132)
2-Fluorobiphenyl	65	(19 - 107)
2-Fluorophenol	43	(10 - 111)
Phenol-d5	55	(15 - 112)
2,4,6-Tribromophenol	27	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-010 **Work Order #:** LFC151AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 18:50
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**1.7 B**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.045 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.029 J**	**0.22**	**ug/L**
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	**0.19 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.1 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.043 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.12 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.29**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.14 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.033 J**	**0.22**	**ug/L**
Fluorene	**0.042 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**0.026 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.035 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.16 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.034 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(23 - 112)
Terphenyl-d14	56	(10 - 132)
2-Fluorobiphenyl	69	(19 - 107)
2-Fluorophenol	51	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-011 **Work Order #:** LFC2D1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 19:11
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.037 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.8 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.045 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	**0.054 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.25**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.16 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.035 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.022 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	**0.059 J**	**1.1**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.065 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.13 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.026 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	60	(23 - 112)
Terphenyl-d14	62	(10 - 132)
2-Fluorobiphenyl	58	(19 - 107)
2-Fluorophenol	36	(10 - 111)
Phenol-d5	56	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-012 **Work Order #:** LFC2E1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 19:32
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.054 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.0 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.061 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.14 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.090 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.38**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.12 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.042 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.025 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	**0.094 J**	**1.1**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.098 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.033 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.17 J,B**	**0.22**	**ug/L**
Phenol	**0.13 J**	**0.22**	**ug/L**
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	**0.10 J,B**	**1.1**	**ug/L**
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(23 - 112)
Terphenyl-d14	72	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	46	(10 - 111)
Phenol-d5	72	(15 - 112)
2,4,6-Tribromophenol	63	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-013 **Work Order #:** LFC2G1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 19:52
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.065 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.94 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.050 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.082 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.33**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.043 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.026 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.058 J,B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.16 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(23 - 112)
Terphenyl-d14	101	(10 - 132)
2-Fluorobiphenyl	70	(19 - 107)
2-Fluorophenol	34	(10 - 111)
Phenol-d5	62	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

FB-03_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-014 **Work Order #:** LFC2J1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER
MB Lot-Sample #: C9F250000-308
Prep Date.....: 06/25/09 **Analysis Time..:** 14:02
Analysis Date..: 06/30/09 **Prep Batch #...:** 9176308
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	**0.031 J**	**0.20**	**ug/L**	**SW846 8270C**
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	**0.60 J**	**1.0**	**ug/L**	**SW846 8270C**
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	**0.043 J**	**1.0**	**ug/L**	**SW846 8270C**
Di-n-butyl phthalate	**0.070 J**	**1.0**	**ug/L**	**SW846 8270C**
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	**0.17 J**	**1.0**	**ug/L**	**SW846 8270C**
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	**0.027 J**	**0.20**	**ug/L**	**SW846 8270C**
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	**0.041 J**	**0.20**	**ug/L**	**SW846 8270C**
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.10 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	**0.48 J**	**1.0**	**ug/L**	**SW846 8270C**
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	87	(23 - 112)
Terphenyl-d14	108	(10 - 132)
2-Fluorobiphenyl	80	(19 - 107)
2-Fluorophenol	76	(10 - 111)
Phenol-d5	86	(15 - 112)
2,4,6-Tribromophenol	80	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

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Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C9F250000-308 B **Work Order #:** LFLGM1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F250000-308 LFLGM1AD-LCSD
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 14:43
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	73	(35 - 99)			SW846 8270C
	68	(35 - 99)	7.0	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	78	(37 - 104)			SW846 8270C
	69	(37 - 104)	12	(0-40)	SW846 8270C
Butyl benzyl phthalate	91	(36 - 108)			SW846 8270C
	83	(36 - 108)	9.2	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	89	(35 - 104)			SW846 8270C
	81	(35 - 104)	9.6	(0-42)	SW846 8270C
2-Chlorophenol	74	(31 - 99)			SW846 8270C
	71	(31 - 99)	5.0	(0-39)	SW846 8270C
1,4-Dichlorobenzene	60	(34 - 93)			SW846 8270C
	61	(34 - 93)	1.7	(0-41)	SW846 8270C
4-Methylphenol	82	(32 - 100)			SW846 8270C
	77	(32 - 100)	6.5	(0-41)	SW846 8270C
2,4-Dinitrotoluene	93	(37 - 115)			SW846 8270C
	85	(37 - 115)	9.0	(0-39)	SW846 8270C
Hexachloroethane	61	(32 - 94)			SW846 8270C
	61	(32 - 94)	0.92	(0-39)	SW846 8270C
Naphthalene	68	(35 - 97)			SW846 8270C
	66	(35 - 97)	2.2	(0-43)	SW846 8270C
4-Nitrophenol	87	(29 - 115)			SW846 8270C
	75	(29 - 115)	15	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	90	(34 - 101)			SW846 8270C
	85	(34 - 101)	6.1	(0-43)	SW846 8270C
Pentachlorophenol	68	(15 - 111)			SW846 8270C
	61	(15 - 111)	11	(0-42)	SW846 8270C
Phenol	75	(32 - 95)			SW846 8270C
	69	(32 - 95)	9.2	(0-39)	SW846 8270C
Pyrene	84	(35 - 106)			SW846 8270C
	76	(35 - 106)	10	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	60	(34 - 96)			SW846 8270C
	60	(34 - 96)	0.81	(0-45)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F250000-308 LFLGM1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	85	(23 - 112)
	79	(23 - 112)
Terphenyl-d14	86	(10 - 132)
	75	(10 - 132)
2-Fluorobiphenyl	78	(19 - 107)
	70	(19 - 107)
2-Fluorophenol	72	(10 - 111)
	66	(10 - 111)
Phenol-d5	82	(15 - 112)
	75	(15 - 112)
2,4,6-Tribromophenol	81	(16 - 122)
	73	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-001 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**2.8 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AD**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AE
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AF
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Barium	**39.8**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AG**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AH
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AJ
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Cobalt	**0.83**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AK**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Chromium	**2.8**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AL**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Copper	**2.7 J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AM**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Nickel	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AN**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Lead	**0.27 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AP**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AQ
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-001 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.49 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AR**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Antimony	**0.043 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AT**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Vanadium	**0.33 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AU**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Zinc	**8.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AV**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFCXT1AW
		Dilution Factor: 1		Analysis Time..: 07:53	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-002 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**4.8 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AD**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AE
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AF
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Barium	**19.6**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AG**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AH
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AJ
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Cobalt	**0.093 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AK**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Chromium	**2.4**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AL**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Copper	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AM**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Nickel	**3.6**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AN**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Lead	**0.087 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AP**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AQ
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-002 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AR**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Antimony	**0.12 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AT**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Vanadium	**1.4 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AU**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Zinc	**8.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AV**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC001AW
		Dilution Factor: 1		Analysis Time..: 07:55	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-003 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**4.2 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AD**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC061AE
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC061AF
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Barium	**43.7**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AG**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Beryllium	**60.0**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AH**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Cadmium	**10.0**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AJ**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Cobalt	**329**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AK**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Chromium	**10.9**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AL**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Copper	**178 J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AM**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Nickel	**402**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AN**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Lead	**3.3**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AP**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Selenium	**10.7**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AQ**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-003 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**1.1 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AR**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Antimony	**0.056 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AT**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Vanadium	**14.9 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AU**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Zinc	**1370 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AV**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC061AW
		Dilution Factor: 1		Analysis Time..: 08:00	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-004 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**1.5 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AD**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AE
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AF
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Barium	**35.6**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AG**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AH
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Cadmium	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AJ**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Cobalt	**0.60**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AK**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Chromium	**2.9**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AL**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Copper	**1.6 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AM**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Nickel	**2.2**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AN**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Lead	**0.023 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AP**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AQ
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-004 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AR**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Antimony	**0.096 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AT**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AU
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Zinc	**63.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AV**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1C1AW
		Dilution Factor: 1		Analysis Time..: 08:02	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-005 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**1.6 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AD**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AE
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Arsenic	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AF**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Barium	**15.4**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AG**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AH
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AJ
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Cobalt	**5.5**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AK**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Chromium	**3.0**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AL**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Copper	**1.7 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AM**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Nickel	**10.1**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AN**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Lead	**0.081 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AP**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AQ
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-005 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.25 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AR**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Antimony	**0.024 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AT**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AU
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Zinc	**8.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AV**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1E1AW
		Dilution Factor: 1		Analysis Time..: 08:03	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-006 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**1.7 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AD**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AE
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Arsenic	**2.7**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AF**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Barium	**59.4**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AG**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AH
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AJ
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Cobalt	**4.9**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AK**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Chromium	**3.2**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AL**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Copper	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AM**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AN**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Lead	**0.042 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AP**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AQ
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-006 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.047 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AR**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AT
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AU
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Zinc	**10.8 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AV**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1P1AW
		Dilution Factor: 1		Analysis Time..: 08:05	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-007 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AD
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AE
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Arsenic	**0.33 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AF**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Barium	**58.8**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AG**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AH
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AJ
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Cobalt	**1.4**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AK**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Chromium	**4.1**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AL**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Copper	**1.3 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AM**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Nickel	**1.0**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AN**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Lead	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AP**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AQ
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-007 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.020 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AR**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Antimony	**0.038 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AT**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AU
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Zinc	**9.0 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AV**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1Q1AW
		Dilution Factor: 1		Analysis Time..: 08:10	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-008 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AD
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AE
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AF
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Barium	**34.8**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AG**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AH
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Cadmium	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AJ**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Cobalt	**7.5**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AK**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Chromium	**3.7**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AL**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Copper	**1.3 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AM**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Nickel	**17.9**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AN**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Lead	**0.071 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AP**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AQ
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-008 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.051 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AR**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AT
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AU
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Zinc	**2760 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AV**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1V1AW
		Dilution Factor: 1		Analysis Time..: 08:12	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-009 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AD
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AE
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Arsenic	**41.6**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AF**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Barium	**144**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AG**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AH
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AJ
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Cobalt	**0.65**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AK**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Chromium	**2.8**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AL**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Copper	**2.4 J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AM**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Nickel	**0.42 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AN**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Lead	**0.22 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AP**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AQ
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-009 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AR
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Antimony	**0.41 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AT**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Vanadium	**0.10 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AU**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Zinc	**7.3 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AV**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC101AW
		Dilution Factor: 1		Analysis Time..: 08:13	MS Run #.....: 9177004	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-010 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AD
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AE
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AF
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Barium	**14.6**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AG**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AH
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Cadmium	**0.38 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AJ**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Cobalt	**0.49 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AK**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Chromium	**3.5**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AL**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Copper	**1.5 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AM**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Nickel	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AN**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Lead	**0.099 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AP**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AQ
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-010 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.025 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AR**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AT
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Vanadium	**0.39 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AU**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Zinc	**13.1 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AV**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC151AW
		Dilution Factor: 1		Analysis Time..: 08:15	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-011 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AD
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AE
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Arsenic	**100**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AF**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Barium	**229**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AG**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AH
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AJ
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Cobalt	**0.37 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AK**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Chromium	**2.3**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AL**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Copper	**0.78 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AM**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Nickel	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AN
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Lead	**0.14 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AP**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AQ
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-011 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AR
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Antimony	**0.43 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AT**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Vanadium	**0.41 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AU**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Zinc	**6.7 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AV**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2D1AW
		Dilution Factor: 1		Analysis Time..: 08:17	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-012 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AD
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AE
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Arsenic	**0.29 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AF**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Barium	**8.9 B**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AG**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AH
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AJ
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Cobalt	**0.16 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AK**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Chromium	**3.7**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AL**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Copper	**0.70 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AM**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Nickel	**0.70 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AN**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Lead	**0.059 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AP**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AQ
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-012 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AR
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Antimony	**0.095 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AT**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AU
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Zinc	**16.2 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AV**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2E1AW
		Dilution Factor: 1		Analysis Time..: 08:18	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-013 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AD
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AE
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AF
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Barium	**9.0 B**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AG**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AH
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AJ
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Cobalt	**0.14 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AK**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Chromium	**3.4**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AL**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Copper	**0.85 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AM**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Nickel	**0.66 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AN**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Lead	**0.046 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AP**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AQ
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-013 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AR
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Antimony	**0.036 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AT**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AU
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Zinc	**11.3 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AV**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2G1AW
		Dilution Factor: 1		Analysis Time..: 08:20	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-014 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AD
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AE
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AF
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Barium	ND	10.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AG
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AH
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AJ
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Cobalt	ND	0.50	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AK
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Chromium	**3.2**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AL**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Copper	**0.52 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AM**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Nickel	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AN
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Lead	**0.093 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AP**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AQ
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-014 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AR
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AT
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Vanadium	**1.1 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AU**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Zinc	**3.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AV**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2J1AW
		Dilution Factor: 1		Analysis Time..: 08:21	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C9F240000-217 **Prep Batch #...:** 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AA
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AC
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AD
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Barium	ND	10.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AE
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AF
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AG
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Cobalt	ND	0.50	ug/L	SW846 6020	06/24-07/02/09	LFHR21AH
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Chromium	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AJ
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Copper	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AK**
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Nickel	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AL
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Lead	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AM
		Dilution Factor: 1				
		Analysis Time..: 18:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AN
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Thallium	**0.084 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AP**
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AQ
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Vanadium	**0.47 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AR**
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Zinc	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AT**
		Dilution Factor: 1				
		Analysis Time..: 18:47				

MB Lot-Sample #: C9F260000-012 **Prep Batch #...:** 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFMRJ1AA
		Dilution Factor: 1				
		Analysis Time..: 07:50				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C9F240000-217 **Prep Batch #...:** 9175217					
Tin	103	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AU
		Dilution Factor: 1	Analysis Time..: 18:51		
Silver	104	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AV
		Dilution Factor: 1	Analysis Time..: 18:51		
Arsenic	99	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AW
		Dilution Factor: 1	Analysis Time..: 18:51		
Barium	102	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AX
		Dilution Factor: 1	Analysis Time..: 18:51		
Beryllium	106	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A0
		Dilution Factor: 1	Analysis Time..: 18:51		
Cadmium	104	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A1
		Dilution Factor: 1	Analysis Time..: 18:51		
Cobalt	95	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A2
		Dilution Factor: 1	Analysis Time..: 18:51		
Chromium	97	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A3
		Dilution Factor: 1	Analysis Time..: 18:51		
Copper	98	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A4
		Dilution Factor: 1	Analysis Time..: 18:51		
Nickel	92	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A5
		Dilution Factor: 1	Analysis Time..: 18:51		
Lead	109	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A6
		Dilution Factor: 1	Analysis Time..: 18:51		
Selenium	97	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A7
		Dilution Factor: 1	Analysis Time..: 18:51		
Thallium	105	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A8
		Dilution Factor: 1	Analysis Time..: 18:51		
Antimony	98	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A9
		Dilution Factor: 1	Analysis Time..: 18:51		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	95	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21CA
		Dilution Factor: 1	Analysis Time..: 18:51		
Zinc	103	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21CC
		Dilution Factor: 1	Analysis Time..: 18:51		

LCS Lot-Sample#: C9F260000-012 **Prep Batch #...:** 9177012

Mercury	101	(80 - 120)	SW846 7470A	06/26/09	LFMRJ1AC
		Dilution Factor: 1	Analysis Time..: 07:52		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9F200181-001 **Prep Batch #...:** 9175217							
Tin	103	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1AX
	102	(75 - 125)	0.34	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A0
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Silver	99	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A1
	99	(75 - 125)	0.34	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A2
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Arsenic	98	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A3
	98	(75 - 125)	0.56	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A4
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Barium	101	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A5
	101	(75 - 125)	0.09	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A6
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Beryllium	106	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A7
	105	(75 - 125)	0.56	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A8
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Cadmium	101	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A9
	102	(75 - 125)	0.75	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CA
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Cobalt	91	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CC
	90	(75 - 125)	0.17	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CD
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	91	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CE
	91	(75 - 125)	0.10	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CF
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Copper	89	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CG
	89	(75 - 125)	0.66	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CH
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Nickel	86	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CJ
	86	(75 - 125)	0.09	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CK
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Lead	109	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CL
	108	(75 - 125)	0.36	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CM
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Selenium	94	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CN
	87	(75 - 125)	8.3	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CP
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Thallium	106	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CQ
	105	(75 - 125)	1.0	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CR
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Antimony	104	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CT
	103	(75 - 125)	0.79	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CU
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	94	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CV
	94	(75 - 125)	0.17	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CW
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Zinc	95	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CX
	95	(75 - 125)	0.70	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1C0
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9F200181-002 **Prep Batch #...:** 9177012							
Mercury	107	(75 - 125)			SW846 7470A	06/26/09	LFC001AX
	100	(75 - 125)	6.8	(0-20)	SW846 7470A	06/26/09	LFC001A0

Dilution Factor: 1
Analysis Time..: 07:56
MS Run #.....: 9177004

NOTE(S):

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

REVISED

PROJECT NO. GWM

Langan/USS Fairless Site

Lot #: C9F200181

Judd Herr

Langan Engineering & Environme
2700 Kelly Road
Suite 200
Warrington, PA 18976

TESTAMERICA LABORATORIES, INC.

Kathryn E. Bort
Project Manager

August 12, 2009

301 Alpha Drive Pittsburgh, PA 15238 **tel** 412.963.7058 **fax** 412.963.2468 **www.testamericainc.com**

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	WW	X
		HW	X
Illinois – NELAC	(#002064)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#04041)	WW	X
		HW	X
New Hampshire – NELAC	(#203008)	WW	X
		--	–
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014002)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

Langan

Lot # C9F200181R

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on June 20, 2009. The coolers were received at a temperature range of 2.0°C to 2.7°C.

Revision Comments:
The original report is revised August 12, 2009 to include the sulfotepp results for samples MW4-11-33_061909, MW4-33-25_061909, and FB-03_061909.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

GC/MS Volatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D in calibration verification standard AC5070209, was > 25% for acrolein (33.1%), isobutanol (30.4%), and methyl methacrylate (41.3%). These are within the expected performance range,

Trans-1, 4-Dichloro-2-butene (57.6%) was out high by >50% in the calibration verification standard AC5070209. The compound was ND in the samples.

The %D in calibration verification standard CC5070209, was > 25% for acetonitrile (36.7%), carbon tetrachloride (33.8%), and chloroethane (31.3%). These are within the expected performance range.

GC/MS Semivolatiles:
All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The %D for several compounds in the calibration verification standards was > 25%. These are within the expected performance range.

Several compounds were detected in the method blank between the MDL and the

reporting limit. The results are flagged with a "J" qualifier. Sample results for these compounds are flagged with a "B" qualifier.

Metals:
Several analytes were detected in the method blank between the MDL and the reporting limit. The results are flagged with a "B" qualifier. Sample results for these compounds are flagged with a "J" qualifier.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client	LANSAN
Address	2700 Kelly Rd, Suite 200
City	Warrington
State	PA
Zip Code	18976
Project Manager	Judd Herr
Telephone Number (Area Code)/Fax Number	215 491-6542
Site Contact	Judd Herr
Lab Contact	Kathy Bort
Project Name and Location (State)	LSS RCRA GW Sampling
Carrier/Waybill Number	2634102
Contract/Purchase Order/Quote No.	18003985
Date	6/19/09
Chain of Custody Number	366307
Lab Number	C9F200181
Page	1 of 2

Analysis (Attach list if more space is needed): RCRA Appendix IX VOCs; RCRA Appendix IX SVOCs; RCRA Appendix IX Metals

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RCRA Appendix IX VOCs	RCRA Appendix IX SVOCs	RCRA Appendix IX Metals
MW1-23-47-061909	6/19/09	945		X			X		X	X			X	X	X
MW3-12-31-061909	6/19/09	1050		X			X		X	X			X	X	X
MW4-11-33-061909	6/19/09	1135		X			X		X	X			X	X	X
MW6-02-27-061909	6/19/09	1232		X			X		X	X			X	X	X
MW6-20-37-061909	6/19/09	1015		X			X		X	X			X	X	X
MW4-14-36-061909	6/19/09	845		X			X		X	X			X	X	X
MW6-05-28-061909	6/19/09	1120		X			X		X	X			X	X	X
MW6-06-24-061909	6/19/09	1230		X			X		X	X			X	X	X
MW1-15-29-061909	6/19/09	1052		X			X		X	X			X	X	X
MW2-03-33-061909	6/19/09	840		X			X		X	X			X	X	X
MW4-33-25-061909	6/19/09	1313		X			X		X	X			X	X	X
MW4-30-63-061909	6/19/09	1600		X			X		X	X			X	X	X

Special Instructions/Conditions of Receipt: All samples on Ice MUST MEET PADEP Act II STANDARDS & MSC's

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other Standard T/A

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	6/19/09	1612	1. Received By	6/19/09	16:12
2. Relinquished By	6/19/09	1830	2. Received By		
3. Relinquished By			3. Received By	6-20-09	0905

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: LANGAN	Project Manager: JUDD Hirr	Date: 6/19/09	Chain of Custody Number: 366308
Address: 2700 Kelly Rd, Suite 200	Telephone Number (Area Code)/Fax Number: 215 491-6542	Lab Number: C9F200181	Page 2 of 2
City: Warrington; State: PA; Zip Code: 18976	Site Contact: JUDD Hirr; Lab Contact: Kathy Bort		
Project Name and Location (State): USS RCRA Gw Sampling	Carrier/Waybill Number: 2634102		
Contract/Purchase Order/Quote No.: 18003985			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): RCRA Appendix IX + TI	RCRA Appendix IX TX	RCRA Appendix IX + Metals	Special Instructions/ Conditions of Receipt
Dup-02-061909	6/19/09	—		X			X		X	X			X	X	X	
FB-03-061909	6/19/09	1350		X			X		X	X			X	X	X	
TB-03-061909	6/19/09	—		X						X			X			

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other STANDARD TAT

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 6/19/09	Time: 1812	1. Received By: [signature]	Date: 6/19/09	Time: 1812
2. Relinquished By: [signature]	Date: 6/19/09	Time: 1730	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By: [signature]	Date: 6-20-09	Time: 0905

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHODS SUMMARY

C9F200181

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C9F200181

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LFCXT	001	MW1-23-47_061909	06/19/09	09:45
LFC00	002	MW3-12-31_061909	06/19/09	10:50
LFC06	003	MW4-11-33_061909	06/19/09	11:35
LFC1C	004	MW6-02-27_061909	06/19/09	12:32
LFC1E	005	MW6-20-37_061909	06/19/09	10:15
LFC1P	006	MW4-14-36_061909	06/19/09	08:45
LFC1Q	007	MW6-05-28_061909	06/19/09	11:20
LFC1V	008	MW6-06-24_061909	06/19/09	12:30
LFC10	009	MW1-15-29_061909	06/19/09	10:52
LFC15	010	MW2-03-33_061909	06/19/09	08:40
LFC2D	011	MW4-33-25_061909	06/19/09	13:13
LFC2E	012	MW4-30-63_061909	06/19/09	16:00
LFC2G	013	DUP-02_061909	06/19/09	
LFC2J	014	FB-03_061909	06/19/09	13:50
LFC2M	015	TB-03_061909	06/19/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 11:05
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 13:19
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	**0.15 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.21 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.48 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	**0.33 J**	**1.0**	**ug/L**
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	102	(64 - 135)
4-Bromofluorobenzene	107	(70 - 118)
Dibromofluoromethane	112	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 16:25
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**0.70 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.64 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	113	(70 - 118)
Dibromofluoromethane	104	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 15:38
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**0.68 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	107	(70 - 118)
Dibromofluoromethane	110	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 16:02
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.6 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	106	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	115	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 16:48
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	101	(64 - 135)
4-Bromofluorobenzene	102	(70 - 118)
Dibromofluoromethane	105	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 17:11
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.29 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.0**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	108	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 17:35
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	**1.0**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**0.40 J**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.3**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	112	(70 - 118)
Dibromofluoromethane	108	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 17:58
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**4.7 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	107	(64 - 135)
4-Bromofluorobenzene	106	(70 - 118)
Dibromofluoromethane	114	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 18:45
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	104	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	111	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 19:08
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	**2.8 J**	**5.0**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	110	(70 - 118)
Dibromofluoromethane	109	(70 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 19:31
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
4-Bromofluorobenzene	113	(70 - 118)
Dibromofluoromethane	103	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 19:54
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	99	(64 - 135)
4-Bromofluorobenzene	108	(70 - 118)
Dibromofluoromethane	105	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 20:17
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	110	(71 - 118)
1,2-Dichloroethane-d4	104	(64 - 135)
4-Bromofluorobenzene	111	(70 - 118)
Dibromofluoromethane	107	(70 - 128)

Langan Engineering & Environmental Srvcs

Client Sample ID: TB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-015 **Work Order #...:** LFC2M1AA **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 18:21
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	3.0	ug/L
Acetone	ND	5.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L

(Continued on next page)

Langan Engineering & Environmental Srvcs

Client Sample ID: TB-03_061909

GC/MS Volatiles

Lot-Sample #...: C9F200181-015 **Work Order #...:** LFC2M1AA **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isobutyl alcohol	ND	40	ug/L
Methacrylonitrile	ND	1.0	ug/L
Methylene chloride	**5.1**	**1.0**	**ug/L**
Methyl methacrylate	ND	1.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Propionitrile	ND	2.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	105	(64 - 135)
4-Bromofluorobenzene	113	(70 - 118)
Dibromofluoromethane	107	(70 - 128)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LF1WW1AA **Matrix.....:** WATER
MB Lot-Sample #: C9G020000-340
Prep Date.....: 07/02/09 **Analysis Time..:** 10:30
Analysis Date..: 07/02/09 **Prep Batch #...:** 9183340
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LF1WW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
4-Bromofluorobenzene	105	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LF1WW1AC **Matrix.....:** WATER
LCS Lot-Sample#: C9G020000-340
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 11:56
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**101**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**98**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**110**	**(65 - 136)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**	**SW846 8260B**
Trichloroethene	**107**	**(73 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	101	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	106	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9F200181 **Work Order #...:** LFCXT1C1-MS **Matrix.....:** W
MS Lot-Sample #: C9F200181-001 LFCXT1C2-MSD
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:** 9183234
Prep Date.....: 07/02/09 **Analysis Date..:** 07/02/09
Prep Batch #...: 9183340 **Analysis Time..:** 12:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(80 - 120)**			**SW846 8260B**
	98	**(80 - 120)**	**1.4**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**92**	**(80 - 120)**			**SW846 8260B**
	94	**(80 - 120)**	**1.9**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**106**	**(65 - 136)**			**SW846 8260B**
	104	**(65 - 136)**	**2.1**	**(0-35)**	**SW846 8260B**
Toluene	**100**	**(80 - 123)**			**SW846 8260B**
	101	**(80 - 123)**	**1.2**	**(0-35)**	**SW846 8260B**
Trichloroethene	**102**	**(73 - 120)**			**SW846 8260B**
	102	**(73 - 120)**	**0.09**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
	107	(71 - 118)
1,2-Dichloroethane-d4	96	(64 - 135)
	99	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
	101	(70 - 118)
Dibromofluoromethane	104	(70 - 128)
	106	(70 - 128)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 15:25
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.035 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.61 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.036 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.090 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.085 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.29**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.094 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.029 J**	**0.21**	**ug/L**
Fluorene	**0.035 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.028 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.11 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-001 **Work Order #...:** LFCXT1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(23 - 112)
Terphenyl-d14	106	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	70	(10 - 111)
Phenol-d5	80	(15 - 112)
2,4,6-Tribromophenol	75	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-23-47_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-001 **Work Order #:** LFCXT1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 15:45
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.21 B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.089 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	**0.058 J**	**1.0**	**ug/L**
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**2.1 B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.094 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.082 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.070 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.27**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.077 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	**0.14 J**	**1.0**	**ug/L**
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.10 J**	**0.21**	**ug/L**
Fluorene	**0.11 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.14 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	**0.079 J**	**1.0**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.50 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.23 B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.20 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.083 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-002 **Work Order #...:** LFC001AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(23 - 112)
Terphenyl-d14	54	(10 - 132)
2-Fluorobiphenyl	63	(19 - 107)
2-Fluorophenol	56	(10 - 111)
Phenol-d5	63	(15 - 112)
2,4,6-Tribromophenol	62	(16 - 122)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW3-12-31_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-002 **Work Order #:** LFC001AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 16:06
Dilution Factor: 1.04

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.034 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.0	ug/L
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.69 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.037 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.099 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.12 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.35**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.37 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.033 J**	**0.21**	**ug/L**
Fluorene	**0.037 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.020 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	**0.20 J**	**1.0**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.055 J,B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.11 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.034 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-003 **Work Order #...:** LFC061AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(23 - 112)
Terphenyl-d14	71	(10 - 132)
2-Fluorobiphenyl	72	(19 - 107)
2-Fluorophenol	69	(10 - 111)
Phenol-d5	77	(15 - 112)
2,4,6-Tribromophenol	70	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-11-33_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-003 **Work Order #:** LFC061AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 16:26
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.026 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	**0.031 J**	**0.21**	**ug/L**
Benzo(a)anthracene	**0.071 J**	**0.21**	**ug/L**
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.89 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	**0.075 J**	**0.21**	**ug/L**
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.047 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.11 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.082 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.38**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.37 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	**0.12 J**	**0.21**	**ug/L**
Fluorene	**0.045 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.022 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.057 J,B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.18 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	**0.13 J**	**0.21**	**ug/L**
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-004 **Work Order #...:** LFC1C1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(23 - 112)
Terphenyl-d14	88	(10 - 132)
2-Fluorobiphenyl	78	(19 - 107)
2-Fluorophenol	51	(10 - 111)
Phenol-d5	62	(15 - 112)
2,4,6-Tribromophenol	42	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-02-27_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-004 **Work Order #:** LFC1C1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 16:47
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.90 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.040 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.096 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.14 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	**0.070 J**	**0.22**	**ug/L**
1,4-Dichlorobenzene	**0.43**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.086 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.037 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.018 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.045 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.11 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-005 **Work Order #...:** LFC1E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(23 - 112)
Terphenyl-d14	41	(10 - 132)
2-Fluorobiphenyl	68	(19 - 107)
2-Fluorophenol	58	(10 - 111)
Phenol-d5	68	(15 - 112)
2,4,6-Tribromophenol	60	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-20-37_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-005 **Work Order #:** LFC1E1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 17:07
Dilution Factor: 1.14

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.044 J,B**	**0.23**	**ug/L**
Acenaphthylene	ND	0.23	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.23	ug/L
Benzo(a)anthracene	ND	0.23	ug/L
Benzo(a)pyrene	ND	0.23	ug/L
Benzo(b)fluoranthene	ND	0.23	ug/L
Benzo(ghi)perylene	ND	0.23	ug/L
Benzo(k)fluoranthene	ND	0.23	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.23	ug/L
bis(2-Ethylhexyl) phthalate	**1.6 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.23	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.23	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.23	ug/L
Dibenzofuran	**0.040 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	**0.10 J**	**0.23**	**ug/L**
1,3-Dichlorobenzene	ND	0.23	ug/L
1,4-Dichlorobenzene	**0.38**	**0.23**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.23	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.23	ug/L
Diethyl phthalate	**0.072 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.7	ug/L
2,4-Dinitrophenol	ND	5.7	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.23	ug/L
Fluorene	**0.055 J**	**0.23**	**ug/L**
Hexachlorobenzene	ND	0.23	ug/L
Hexachlorobutadiene	ND	0.23	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.23	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.6	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.022 J,B**	**0.23**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.23	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.7	ug/L
3-Nitroaniline	ND	5.7	ug/L
4-Nitroaniline	ND	5.7	ug/L
Nitrobenzene	ND	0.23	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.7	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	**0.91 J**	**1.1**	**ug/L**
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.23	ug/L
N-Nitrosodiphenylamine	ND	0.23	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.23	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.3	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.12 J,B**	**0.23**	**ug/L**
Phenol	ND	0.23	ug/L
p-Phenylene diamine	ND	46	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.23	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-006 **Work Order #...:** LFC1P1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.23	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78	(23 - 112)
Terphenyl-d14	52	(10 - 132)
2-Fluorobiphenyl	71	(19 - 107)
2-Fluorophenol	48	(10 - 111)
Phenol-d5	60	(15 - 112)
2,4,6-Tribromophenol	27	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-14-36_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-006 **Work Order #:** LFC1P1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 17:28
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.65 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.020 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.062 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.25**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	ND	1.1	ug/L
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.018 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.068 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-007 **Work Order #...:** LFC1Q1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(23 - 112)
Terphenyl-d14	63	(10 - 132)
2-Fluorobiphenyl	46	(19 - 107)
2-Fluorophenol	24	(10 - 111)
Phenol-d5	43	(15 - 112)
2,4,6-Tribromophenol	45	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-05-28_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-007 **Work Order #:** LFC1Q1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 17:49
Dilution Factor: 1.06

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	ND	1.1	ug/L
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.025 J**	**0.21**	**ug/L**
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**1.5 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.036 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.14 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.18 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.34**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.084 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.3	ug/L
2,4-Dinitrophenol	ND	5.3	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.047 J**	**0.21**	**ug/L**
Fluorene	**0.030 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.21	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.21	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.3	ug/L
3-Nitroaniline	ND	5.3	ug/L
4-Nitroaniline	ND	5.3	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.3	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.14 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.045 J**	**0.21**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-008 **Work Order #...:** LFC1V1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(23 - 112)
Terphenyl-d14	76	(10 - 132)
2-Fluorobiphenyl	69	(19 - 107)
2-Fluorophenol	42	(10 - 111)
Phenol-d5	59	(15 - 112)
2,4,6-Tribromophenol	53	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW6-06-24_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-008 **Work Order #:** LFC1V1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 18:09
Dilution Factor: 1.1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.036 J,B**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.027 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**0.47 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.044 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.082 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.35**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.080 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethyl-amine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.5	ug/L
2,4-Dinitrophenol	ND	5.5	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.021 J**	**0.22**	**ug/L**
Fluorene	**0.038 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopenta-diene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.021 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**0.025 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.031 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.5	ug/L
3-Nitroaniline	ND	5.5	ug/L
4-Nitroaniline	ND	5.5	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.5	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.14 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-009 **Work Order #...:** LFC101AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	66	(23 - 112)
Terphenyl-d14	51	(10 - 132)
2-Fluorobiphenyl	64	(19 - 107)
2-Fluorophenol	40	(10 - 111)
Phenol-d5	56	(15 - 112)
2,4,6-Tribromophenol	56	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW1-15-29_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-009 **Work Order #:** LFC101AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 18:30
Dilution Factor: 1.08

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.031 J,B**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.024 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.1 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.038 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.093 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.074 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.33**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.20 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.025 J**	**0.22**	**ug/L**
Fluorene	**0.035 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.3	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.019 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.15 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	43	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	**0.32 J,B**	**1.1**	**ug/L**
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-010 **Work Order #...:** LFC151AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(23 - 112)
Terphenyl-d14	48	(10 - 132)
2-Fluorobiphenyl	65	(19 - 107)
2-Fluorophenol	43	(10 - 111)
Phenol-d5	55	(15 - 112)
2,4,6-Tribromophenol	27	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW2-03-33_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-010 **Work Order #:** LFC151AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 18:50
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**1.7 B**	**0.22**	**ug/L**
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.045 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	**0.029 J**	**0.22**	**ug/L**
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	**0.19 J**	**1.1**	**ug/L**
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.1 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.043 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.12 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	ND	0.22	ug/L
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.29**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.14 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	**0.033 J**	**0.22**	**ug/L**
Fluorene	**0.042 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	ND	0.22	ug/L
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	ND	1.1	ug/L
3-Methylphenol & 4-Methylphenol	**0.026 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.035 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.16 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.034 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-011 **Work Order #...:** LFC2D1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(23 - 112)
Terphenyl-d14	56	(10 - 132)
2-Fluorobiphenyl	69	(19 - 107)
2-Fluorophenol	51	(10 - 111)
Phenol-d5	65	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

MW4-33-25_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-011 **Work Order #:** LFC2D1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 19:11
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.037 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.8 B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.045 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	ND	1.1	ug/L
1,2-Dichlorobenzene	**0.054 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.25**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.16 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.035 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.022 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	**0.059 J**	**1.1**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.065 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	0.22	ug/L
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.13 J,B**	**0.22**	**ug/L**
Phenol	ND	0.22	ug/L
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	**0.026 J**	**0.22**	**ug/L**
Pyridine	ND	1.1	ug/L
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-012 **Work Order #...:** LFC2E1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	60	(23 - 112)
Terphenyl-d14	62	(10 - 132)
2-Fluorobiphenyl	58	(19 - 107)
2-Fluorophenol	36	(10 - 111)
Phenol-d5	56	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

MW4-30-63_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-012 **Work Order #:** LFC2E1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 19:32
Dilution Factor: 1.09

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	0.22	ug/L
Acenaphthylene	ND	0.22	ug/L
Acetophenone	**0.054 J**	**1.1**	**ug/L**
2-Acetylaminofluorene	ND	1.1	ug/L
4-Aminobiphenyl	ND	1.1	ug/L
Aniline	ND	1.1	ug/L
Anthracene	ND	0.22	ug/L
Benzo(a)anthracene	ND	0.22	ug/L
Benzo(a)pyrene	ND	0.22	ug/L
Benzo(b)fluoranthene	ND	0.22	ug/L
Benzo(ghi)perylene	ND	0.22	ug/L
Benzo(k)fluoranthene	ND	0.22	ug/L
Benzyl alcohol	ND	1.1	ug/L
bis(2-Chloroethoxy) methane	ND	1.1	ug/L
bis(2-Chloroethyl)-ether	ND	0.22	ug/L
bis(2-Ethylhexyl) phthalate	**1.0 J,B**	**1.1**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.1	ug/L
Butyl benzyl phthalate	ND	1.1	ug/L
4-Chloroaniline	ND	1.1	ug/L
4-Chloro-3-methylphenol	ND	1.1	ug/L
2-Chloronaphthalene	ND	0.22	ug/L
2-Chlorophenol	ND	1.1	ug/L
4-Chlorophenyl phenyl ether	ND	1.1	ug/L
Chrysene	ND	0.22	ug/L
Diallate	ND	1.1	ug/L
Dibenz(a,h)anthracene	ND	0.22	ug/L
Dibenzofuran	**0.061 J,B**	**1.1**	**ug/L**
Di-n-butyl phthalate	**0.14 J,B**	**1.1**	**ug/L**
1,2-Dichlorobenzene	**0.090 J**	**0.22**	**ug/L**
1,3-Dichlorobenzene	ND	0.22	ug/L
1,4-Dichlorobenzene	**0.38**	**0.22**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.1	ug/L
2,4-Dichlorophenol	ND	0.22	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.22	ug/L
Diethyl phthalate	**0.12 J,B**	**1.1**	**ug/L**
Dimethoate	ND	1.1	ug/L
p-Dimethylaminoazobenzene	ND	1.1	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.1	ug/L
3,3'-Dimethylbenzidine	ND	11	ug/L
a,a-Dimethylphenethylamine	ND	1.1	ug/L
2,4-Dimethylphenol	ND	1.1	ug/L
Dimethyl phthalate	ND	1.1	ug/L
Di-n-octyl phthalate	ND	1.1	ug/L
1,3-Dinitrobenzene	ND	1.1	ug/L
4,6-Dinitro-2-methylphenol	ND	5.4	ug/L
2,4-Dinitrophenol	ND	5.4	ug/L
2,4-Dinitrotoluene	ND	1.1	ug/L
2,6-Dinitrotoluene	ND	1.1	ug/L
Dinoseb	ND	1.1	ug/L
Disulfoton	ND	1.1	ug/L
Ethyl methanesulfonate	ND	1.1	ug/L
Famphur	ND	11	ug/L
Fluoranthene	ND	0.22	ug/L
Fluorene	**0.042 J**	**0.22**	**ug/L**
Hexachlorobenzene	ND	0.22	ug/L
Hexachlorobutadiene	ND	0.22	ug/L
Hexachlorocyclopentadiene	ND	1.1	ug/L
Hexachloroethane	ND	1.1	ug/L
Hexachloropropene	ND	1.1	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.22	ug/L
Isodrin	ND	1.1	ug/L
Isophorone	ND	1.1	ug/L
Isosafrole	ND	1.1	ug/L
Kepone	ND	4.4	ug/L
Methapyrilene	ND	1.1	ug/L
3-Methylcholanthrene	ND	1.1	ug/L
Methyl methanesulfonate	ND	1.1	ug/L
2-Methylnaphthalene	**0.025 J,B**	**0.22**	**ug/L**
Methyl parathion	ND	1.1	ug/L
2-Methylphenol	**0.094 J**	**1.1**	**ug/L**
3-Methylphenol & 4-Methylphenol	**0.098 J**	**1.1**	**ug/L**

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.033 J,B**	**0.22**	**ug/L**
1,4-Naphthoquinone	ND	1.1	ug/L
1-Naphthylamine	ND	1.1	ug/L
2-Naphthylamine	ND	1.1	ug/L
2-Nitroaniline	ND	5.4	ug/L
3-Nitroaniline	ND	5.4	ug/L
4-Nitroaniline	ND	5.4	ug/L
Nitrobenzene	ND	0.22	ug/L
2-Nitrophenol	ND	1.1	ug/L
4-Nitrophenol	ND	5.4	ug/L
4-Nitroquinoline-1-oxide	ND	11	ug/L
N-Nitrosodi-n-butylamine	ND	1.1	ug/L
N-Nitrosodiethylamine	ND	1.1	ug/L
N-Nitrosodimethylamine	ND	1.1	ug/L
N-Nitrosodi-n-propylamine	ND	0.22	ug/L
N-Nitrosodiphenylamine	ND	0.22	ug/L
N-Nitrosomethylethylamine	ND	1.1	ug/L
N-Nitrosomorpholine	ND	1.1	ug/L
N-Nitrosopiperidine	ND	1.1	ug/L
N-Nitrosopyrrolidine	ND	1.1	ug/L
5-Nitro-o-toluidine	ND	11	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.22	ug/L
Parathion	ND	1.1	ug/L
Pentachlorobenzene	ND	1.1	ug/L
Pentachloroethane	ND	2.2	ug/L
Pentachloronitrobenzene	ND	1.1	ug/L
Pentachlorophenol	ND	1.1	ug/L
Phenacetin	ND	1.1	ug/L
Phenanthrene	**0.17 J,B**	**0.22**	**ug/L**
Phenol	**0.13 J**	**0.22**	**ug/L**
p-Phenylene diamine	ND	44	ug/L
Phorate	ND	1.1	ug/L
2-Picoline	ND	1.1	ug/L
Pronamide	ND	1.1	ug/L
Pyrene	ND	0.22	ug/L
Pyridine	**0.10 J,B**	**1.1**	**ug/L**
Safrole	ND	1.1	ug/L
Sulfotepp	ND	1.1	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.1	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-013 **Work Order #...:** LFC2G1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.1	ug/L
Thionazin	ND	1.1	ug/L
o-Toluidine	ND	1.1	ug/L
1,2,4-Trichloro-benzene	ND	0.22	ug/L
2,4,5-Trichloro-phenol	ND	1.1	ug/L
2,4,6-Trichloro-phenol	ND	1.1	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.1	ug/L
1,3,5-Trinitrobenzene	ND	1.1	ug/L
Chlorobenzilate	ND	1.1	ug/L
Aramite	ND	1.1	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(23 - 112)
Terphenyl-d14	72	(10 - 132)
2-Fluorobiphenyl	73	(19 - 107)
2-Fluorophenol	46	(10 - 111)
Phenol-d5	72	(15 - 112)
2,4,6-Tribromophenol	63	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

DUP-02_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-013 **Work Order #:** LFC2G1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09 **MS Run #.....:**
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 19:52
Dilution Factor: 1.05

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**0.032 J,B**	**0.21**	**ug/L**
Acenaphthylene	ND	0.21	ug/L
Acetophenone	**0.065 J**	**1.0**	**ug/L**
2-Acetylaminofluorene	ND	1.0	ug/L
4-Aminobiphenyl	ND	1.0	ug/L
Aniline	ND	1.0	ug/L
Anthracene	ND	0.21	ug/L
Benzo(a)anthracene	ND	0.21	ug/L
Benzo(a)pyrene	ND	0.21	ug/L
Benzo(b)fluoranthene	ND	0.21	ug/L
Benzo(ghi)perylene	ND	0.21	ug/L
Benzo(k)fluoranthene	ND	0.21	ug/L
Benzyl alcohol	ND	1.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	0.21	ug/L
bis(2-Ethylhexyl) phthalate	**0.94 J,B**	**1.0**	**ug/L**
4-Bromophenyl phenyl ether	ND	1.0	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
4-Chloroaniline	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	1.0	ug/L
2-Chloronaphthalene	ND	0.21	ug/L
2-Chlorophenol	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	1.0	ug/L
Chrysene	ND	0.21	ug/L
Diallate	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	0.21	ug/L
Dibenzofuran	**0.050 J,B**	**1.0**	**ug/L**
Di-n-butyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
1,2-Dichlorobenzene	**0.082 J**	**0.21**	**ug/L**
1,3-Dichlorobenzene	ND	0.21	ug/L
1,4-Dichlorobenzene	**0.33**	**0.21**	**ug/L**
3,3'-Dichlorobenzidine	ND	1.0	ug/L
2,4-Dichlorophenol	ND	0.21	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,6-Dichlorophenol	ND	0.21	ug/L
Diethyl phthalate	**0.10 J,B**	**1.0**	**ug/L**
Dimethoate	ND	1.0	ug/L
p-Dimethylaminoazobenzene	ND	1.0	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L
3,3'-Dimethylbenzidine	ND	10	ug/L
a,a-Dimethylphenethylamine	ND	1.0	ug/L
2,4-Dimethylphenol	ND	1.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.2	ug/L
2,4-Dinitrophenol	ND	5.2	ug/L
2,4-Dinitrotoluene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	1.0	ug/L
Dinoseb	ND	1.0	ug/L
Disulfoton	ND	1.0	ug/L
Ethyl methanesulfonate	ND	1.0	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	0.21	ug/L
Fluorene	**0.043 J**	**0.21**	**ug/L**
Hexachlorobenzene	ND	0.21	ug/L
Hexachlorobutadiene	ND	0.21	ug/L
Hexachlorocyclopentadiene	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Hexachloropropene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L
Isodrin	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
Isosafrole	ND	1.0	ug/L
Kepone	ND	4.2	ug/L
Methapyrilene	ND	1.0	ug/L
3-Methylcholanthrene	ND	1.0	ug/L
Methyl methanesulfonate	ND	1.0	ug/L
2-Methylnaphthalene	**0.026 J,B**	**0.21**	**ug/L**
Methyl parathion	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	**0.058 J,B**	**0.21**	**ug/L**
1,4-Naphthoquinone	ND	1.0	ug/L
1-Naphthylamine	ND	1.0	ug/L
2-Naphthylamine	ND	1.0	ug/L
2-Nitroaniline	ND	5.2	ug/L
3-Nitroaniline	ND	5.2	ug/L
4-Nitroaniline	ND	5.2	ug/L
Nitrobenzene	ND	0.21	ug/L
2-Nitrophenol	ND	1.0	ug/L
4-Nitrophenol	ND	5.2	ug/L
4-Nitroquinoline-1-oxide	ND	10	ug/L
N-Nitrosodi-n-butylamine	ND	1.0	ug/L
N-Nitrosodiethylamine	ND	1.0	ug/L
N-Nitrosodimethylamine	ND	1.0	ug/L
N-Nitrosodi-n-propylamine	ND	0.21	ug/L
N-Nitrosodiphenylamine	ND	0.21	ug/L
N-Nitrosomethylethylamine	ND	1.0	ug/L
N-Nitrosomorpholine	ND	1.0	ug/L
N-Nitrosopiperidine	ND	1.0	ug/L
N-Nitrosopyrrolidine	ND	1.0	ug/L
5-Nitro-o-toluidine	ND	10	ug/L
2,2'-oxybis (1-Chloropropane)	ND	0.21	ug/L
Parathion	ND	1.0	ug/L
Pentachlorobenzene	ND	1.0	ug/L
Pentachloroethane	ND	2.1	ug/L
Pentachloronitrobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	1.0	ug/L
Phenacetin	ND	1.0	ug/L
Phenanthrene	**0.16 J,B**	**0.21**	**ug/L**
Phenol	ND	0.21	ug/L
p-Phenylene diamine	ND	42	ug/L
Phorate	ND	1.0	ug/L
2-Picoline	ND	1.0	ug/L
Pronamide	ND	1.0	ug/L
Pyrene	ND	0.21	ug/L
Pyridine	ND	1.0	ug/L
Safrole	ND	1.0	ug/L
Sulfotepp	ND	1.0	ug/L
1,2,4,5-Tetrachlorobenzene	ND	1.0	ug/L

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

GC/MS Semivolatiles

Lot-Sample #...: C9F200181-014 **Work Order #...:** LFC2J1AC **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L
Thionazin	ND	1.0	ug/L
o-Toluidine	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	0.21	ug/L
2,4,5-Trichloro-phenol	ND	1.0	ug/L
2,4,6-Trichloro-phenol	ND	1.0	ug/L
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
Chlorobenzilate	ND	1.0	ug/L
Aramite	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(23 - 112)
Terphenyl-d14	101	(10 - 132)
2-Fluorobiphenyl	70	(19 - 107)
2-Fluorophenol	34	(10 - 111)
Phenol-d5	62	(15 - 112)
2,4,6-Tribromophenol	61	(16 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

FB-03_061909

GC/MS Semivolatiles

Lot-Sample #: C9F200181-014 **Work Order #:** LFC2J1AC **Matrix:** W

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER
MB Lot-Sample #: C9F250000-308
Prep Date.....: 06/25/09 **Analysis Time..:** 14:02
Analysis Date..: 06/30/09 **Prep Batch #...:** 9176308
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	**0.031 J**	**0.20**	**ug/L**	**SW846 8270C**
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	1.0	ug/L	SW846 8270C
4-Aminobiphenyl	ND	1.0	ug/L	SW846 8270C
Aniline	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzyl alcohol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	**0.60 J**	**1.0**	**ug/L**	**SW846 8270C**
4-Bromophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	1.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	0.20	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Diallate	ND	1.0	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	**0.043 J**	**1.0**	**ug/L**	**SW846 8270C**
Di-n-butyl phthalate	**0.070 J**	**1.0**	**ug/L**	**SW846 8270C**
1,2-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.20	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	0.20	ug/L	SW846 8270C
Diethyl phthalate	**0.17 J**	**1.0**	**ug/L**	**SW846 8270C**
Dimethoate	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Dimethylaminoazobenzene	ND	1.0	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	1.0	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	10	ug/L	SW846 8270C
a,a-Dimethylphenethyl-amine	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	1.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	1.0	ug/L	SW846 8270C
Dinoseb	ND	1.0	ug/L	SW846 8270C
Disulfoton	ND	1.0	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Hexachloropropene	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isodrin	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
Isosafrole	ND	1.0	ug/L	SW846 8270C
Kepone	ND	4.0	ug/L	SW846 8270C
Methapyrilene	ND	1.0	ug/L	SW846 8270C
3-Methylcholanthrene	ND	1.0	ug/L	SW846 8270C
Methyl methanesulfonate	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	**0.027 J**	**0.20**	**ug/L**	**SW846 8270C**
Methyl parathion	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	**0.041 J**	**0.20**	**ug/L**	**SW846 8270C**
1,4-Naphthoquinone	ND	1.0	ug/L	SW846 8270C
1-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Naphthylamine	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	5.0	ug/L	SW846 8270C
4-Nitroaniline	ND	5.0	ug/L	SW846 8270C
Nitrobenzene	ND	0.20	ug/L	SW846 8270C
2-Nitrophenol	ND	1.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	0.20	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	0.20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	1.0	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	1.0	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	1.0	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	10	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	0.20	ug/L	SW846 8270C
Parathion	ND	1.0	ug/L	SW846 8270C
Pentachlorobenzene	ND	1.0	ug/L	SW846 8270C
Pentachloroethane	ND	2.0	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	1.0	ug/L	SW846 8270C
Phenacetin	ND	1.0	ug/L	SW846 8270C
Phenanthrene	**0.10 J**	**0.20**	**ug/L**	**SW846 8270C**
Phenol	ND	0.20	ug/L	SW846 8270C
p-Phenylene diamine	ND	40	ug/L	SW846 8270C
Phorate	ND	1.0	ug/L	SW846 8270C
2-Picoline	ND	1.0	ug/L	SW846 8270C
Pronamide	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Pyridine	**0.48 J**	**1.0**	**ug/L**	**SW846 8270C**
Safrole	ND	1.0	ug/L	SW846 8270C
Sulfotepp	ND	1.0	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	1.0	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	1.0	ug/L	SW846 8270C
Thionazin	ND	1.0	ug/L	SW846 8270C
o-Toluidine	ND	1.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	1.0	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8270C
Chlorobenzilate	ND	1.0	ug/L	SW846 8270C
Aramite	ND	1.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	87	(23 - 112)
Terphenyl-d14	108	(10 - 132)
2-Fluorobiphenyl	80	(19 - 107)
2-Fluorophenol	76	(10 - 111)
Phenol-d5	86	(15 - 112)
2,4,6-Tribromophenol	80	(16 - 122)

NOTE(S):

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

J Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C9F250000-308 B **Work Order #:** LFLGM1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F250000-308 LFLGM1AD-LCSD
Prep Date.....: 06/25/09 **Analysis Date..:** 06/30/09
Prep Batch #...: 9176308 **Analysis Time..:** 14:43
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	73	(35 - 99)			SW846 8270C
	68	(35 - 99)	7.0	(0-41)	SW846 8270C
4-Bromophenyl phenyl ether	78	(37 - 104)			SW846 8270C
	69	(37 - 104)	12	(0-40)	SW846 8270C
Butyl benzyl phthalate	91	(36 - 108)			SW846 8270C
	83	(36 - 108)	9.2	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	89	(35 - 104)			SW846 8270C
	81	(35 - 104)	9.6	(0-42)	SW846 8270C
2-Chlorophenol	74	(31 - 99)			SW846 8270C
	71	(31 - 99)	5.0	(0-39)	SW846 8270C
1,4-Dichlorobenzene	60	(34 - 93)			SW846 8270C
	61	(34 - 93)	1.7	(0-41)	SW846 8270C
4-Methylphenol	82	(32 - 100)			SW846 8270C
	77	(32 - 100)	6.5	(0-41)	SW846 8270C
2,4-Dinitrotoluene	93	(37 - 115)			SW846 8270C
	85	(37 - 115)	9.0	(0-39)	SW846 8270C
Hexachloroethane	61	(32 - 94)			SW846 8270C
	61	(32 - 94)	0.92	(0-39)	SW846 8270C
Naphthalene	68	(35 - 97)			SW846 8270C
	66	(35 - 97)	2.2	(0-43)	SW846 8270C
4-Nitrophenol	87	(29 - 115)			SW846 8270C
	75	(29 - 115)	15	(0-42)	SW846 8270C
N-Nitrosodi-n-propyl-amine	90	(34 - 101)			SW846 8270C
	85	(34 - 101)	6.1	(0-43)	SW846 8270C
Pentachlorophenol	68	(15 - 111)			SW846 8270C
	61	(15 - 111)	11	(0-42)	SW846 8270C
Phenol	75	(32 - 95)			SW846 8270C
	69	(32 - 95)	9.2	(0-39)	SW846 8270C
Pyrene	84	(35 - 106)			SW846 8270C
	76	(35 - 106)	10	(0-42)	SW846 8270C
1,2,4-Trichloro-benzene	60	(34 - 96)			SW846 8270C
	60	(34 - 96)	0.81	(0-45)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C9F200181 **Work Order #...:** LFLGM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9F250000-308 LFLGM1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	85	(23 - 112)
	79	(23 - 112)
Terphenyl-d14	86	(10 - 132)
	75	(10 - 132)
2-Fluorobiphenyl	78	(19 - 107)
	70	(19 - 107)
2-Fluorophenol	72	(10 - 111)
	66	(10 - 111)
Phenol-d5	82	(15 - 112)
	75	(15 - 112)
2,4,6-Tribromophenol	81	(16 - 122)
	73	(16 - 122)

NOTE(S):

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

Bold print denotes control parameters

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-001 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**2.8 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AD**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AE
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AF
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Barium	**39.8**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AG**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AH
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AJ
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Cobalt	**0.83**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AK**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Chromium	**2.8**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AL**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Copper	**2.7 J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AM**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Nickel	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AN**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Lead	**0.27 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AP**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFCXT1AQ
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-23-47_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-001 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.49 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AR**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Antimony	**0.043 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AT**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Vanadium	**0.33 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AU**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	
Zinc	**8.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFCXT1AV**
		Dilution Factor: 1		Analysis Time..: 18:59	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFCXT1AW
		Dilution Factor: 1		Analysis Time..: 07:53	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-002 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**4.8 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AD**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AE
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AF
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Barium	**19.6**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AG**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AH
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AJ
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Cobalt	**0.093 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AK**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Chromium	**2.4**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AL**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Copper	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AM**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Nickel	**3.6**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AN**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Lead	**0.087 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AP**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC001AQ
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW3-12-31_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-002 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AR**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Antimony	**0.12 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AT**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Vanadium	**1.4 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AU**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	
Zinc	**8.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC001AV**
		Dilution Factor: 1		Analysis Time..: 19:34	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC001AW
		Dilution Factor: 1		Analysis Time..: 07:55	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-003 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**4.2 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AD**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC061AE
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC061AF
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Barium	**43.7**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AG**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Beryllium	**60.0**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AH**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Cadmium	**10.0**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AJ**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Cobalt	**329**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AK**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Chromium	**10.9**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AL**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Copper	**178 J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AM**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Nickel	**402**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AN**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Lead	**3.3**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AP**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Selenium	**10.7**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AQ**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-11-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-003 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**1.1 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AR**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Antimony	**0.056 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AT**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Vanadium	**14.9 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AU**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	
Zinc	**1370 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC061AV**
		Dilution Factor: 1		Analysis Time..: 19:38	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC061AW
		Dilution Factor: 1		Analysis Time..: 08:00	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-004 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**1.5 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AD**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AE
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AF
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Barium	**35.6**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AG**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AH
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Cadmium	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AJ**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Cobalt	**0.60**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AK**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Chromium	**2.9**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AL**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Copper	**1.6 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AM**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Nickel	**2.2**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AN**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Lead	**0.023 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AP**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AQ
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-02-27_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-004 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AR**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Antimony	**0.096 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AT**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1C1AU
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	
Zinc	**63.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1C1AV**
		Dilution Factor: 1		Analysis Time..: 19:43	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1C1AW
		Dilution Factor: 1		Analysis Time..: 08:02	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-005 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**1.6 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AD**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AE
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Arsenic	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AF**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Barium	**15.4**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AG**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AH
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AJ
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Cobalt	**5.5**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AK**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Chromium	**3.0**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AL**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Copper	**1.7 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AM**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Nickel	**10.1**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AN**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Lead	**0.081 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AP**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AQ
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-20-37_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-005 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.25 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AR**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Antimony	**0.024 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AT**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1E1AU
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	
Zinc	**8.5 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1E1AV**
		Dilution Factor: 1		Analysis Time..: 19:47	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1E1AW
		Dilution Factor: 1		Analysis Time..: 08:03	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-006 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	**1.7 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AD**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AE
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Arsenic	**2.7**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AF**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Barium	**59.4**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AG**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AH
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AJ
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Cobalt	**4.9**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AK**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Chromium	**3.2**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AL**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Copper	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AM**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Nickel	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AN**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Lead	**0.042 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AP**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AQ
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-14-36_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-006 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.047 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AR**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AT
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1P1AU
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	
Zinc	**10.8 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1P1AV**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1P1AW
		Dilution Factor: 1		Analysis Time..: 08:05	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-007 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AD
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AE
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Arsenic	**0.33 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AF**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Barium	**58.8**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AG**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AH
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AJ
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Cobalt	**1.4**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AK**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Chromium	**4.1**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AL**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Copper	**1.3 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AM**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Nickel	**1.0**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AN**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Lead	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AP**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AQ
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-05-28_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-007 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.020 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AR**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Antimony	**0.038 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AT**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1Q1AU
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	
Zinc	**9.0 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1Q1AV**
		Dilution Factor: 1		Analysis Time..: 19:56	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1Q1AW
		Dilution Factor: 1		Analysis Time..: 08:10	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-008 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AD
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AE
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AF
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Barium	**34.8**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AG**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AH
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Cadmium	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AJ**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Cobalt	**7.5**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AK**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Chromium	**3.7**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AL**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Copper	**1.3 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AM**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Nickel	**17.9**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AN**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Lead	**0.071 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AP**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AQ
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW6-06-24_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-008 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.051 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AR**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AT
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC1V1AU
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	
Zinc	**2760 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC1V1AV**
		Dilution Factor: 1		Analysis Time..: 20:00	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC1V1AW
		Dilution Factor: 1		Analysis Time..: 08:12	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-009 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AD
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AE
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Arsenic	**41.6**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AF**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Barium	**144**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AG**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AH
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AJ
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Cobalt	**0.65**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AK**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Chromium	**2.8**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AL**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Copper	**2.4 J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AM**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Nickel	**0.42 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AN**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Lead	**0.22 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AP**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AQ
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW1-15-29_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-009 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC101AR
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Antimony	**0.41 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AT**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Vanadium	**0.10 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AU**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	
Zinc	**7.3 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC101AV**
		Dilution Factor: 1		Analysis Time..: 20:05	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC101AW
		Dilution Factor: 1		Analysis Time..: 08:13	MS Run #.....: 9177004	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-010 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AD
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AE
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AF
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Barium	**14.6**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AG**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AH
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Cadmium	**0.38 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AJ**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Cobalt	**0.49 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AK**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Chromium	**3.5**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AL**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Copper	**1.5 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AM**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Nickel	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AN**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Lead	**0.099 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AP**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AQ
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW2-03-33_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-010 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.025 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AR**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC151AT
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Vanadium	**0.39 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AU**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	
Zinc	**13.1 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC151AV**
		Dilution Factor: 1		Analysis Time..: 20:09	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC151AW
		Dilution Factor: 1		Analysis Time..: 08:15	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-011 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AD
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AE
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Arsenic	**100**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AF**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Barium	**229**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AG**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AH
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AJ
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Cobalt	**0.37 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AK**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Chromium	**2.3**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AL**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Copper	**0.78 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AM**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Nickel	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AN
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Lead	**0.14 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AP**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AQ
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-33-25_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-011 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2D1AR
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Antimony	**0.43 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AT**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Vanadium	**0.41 B,J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AU**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	
Zinc	**6.7 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2D1AV**
		Dilution Factor: 1		Analysis Time..: 20:27	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2D1AW
		Dilution Factor: 1		Analysis Time..: 08:17	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-012 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AD
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AE
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Arsenic	**0.29 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AF**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Barium	**8.9 B**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AG**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AH
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AJ
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Cobalt	**0.16 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AK**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Chromium	**3.7**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AL**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Copper	**0.70 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AM**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Nickel	**0.70 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AN**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Lead	**0.059 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AP**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AQ
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: MW4-30-63_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-012 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AR
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Antimony	**0.095 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AT**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2E1AU
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	
Zinc	**16.2 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2E1AV**
		Dilution Factor: 1		Analysis Time..: 20:32	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2E1AW
		Dilution Factor: 1		Analysis Time..: 08:18	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-013 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AD
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AE
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AF
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Barium	**9.0 B**	**10.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AG**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AH
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AJ
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Cobalt	**0.14 B**	**0.50**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AK**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Chromium	**3.4**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AL**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Copper	**0.85 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AM**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Nickel	**0.66 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AN**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Lead	**0.046 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AP**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AQ
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: DUP-02_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-013 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AR
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Antimony	**0.036 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AT**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Vanadium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2G1AU
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	
Zinc	**11.3 J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2G1AV**
		Dilution Factor: 1		Analysis Time..: 20:36	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2G1AW
		Dilution Factor: 1		Analysis Time..: 08:20	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-014 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AD
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AE
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AF
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Barium	ND	10.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AG
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AH
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AJ
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Cobalt	ND	0.50	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AK
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Chromium	**3.2**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AL**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Copper	**0.52 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AM**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Nickel	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AN
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Lead	**0.093 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AP**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AQ
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	

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Langan Engineering & Environmental Srvcs

Client Sample ID: FB-03_061909

DISSOLVED Metals

Lot-Sample #...: C9F200181-014 **Matrix.....:** W

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AR
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFC2J1AT
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Vanadium	**1.1 J**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AU**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	
Zinc	**3.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFC2J1AV**
		Dilution Factor: 1		Analysis Time..: 20:40	MS Run #.....: 9175112	

Prep Batch #...: 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFC2J1AW
		Dilution Factor: 1		Analysis Time..: 08:21	MS Run #.....: 9177004	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C9F240000-217 **Prep Batch #...:** 9175217						
Tin	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AA
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Silver	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AC
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Arsenic	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AD
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Barium	ND	10.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AE
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Beryllium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AF
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Cadmium	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AG
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Cobalt	ND	0.50	ug/L	SW846 6020	06/24-07/02/09	LFHR21AH
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Chromium	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AJ
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Copper	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AK**
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Nickel	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AL
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Lead	ND	1.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AM
		Dilution Factor: 1				
		Analysis Time..: 18:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AN
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Thallium	**0.084 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AP**
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Antimony	ND	2.0	ug/L	SW846 6020	06/24-07/02/09	LFHR21AQ
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Vanadium	**0.47 B**	**1.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AR**
		Dilution Factor: 1				
		Analysis Time..: 18:47				
Zinc	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**06/24-07/02/09**	**LFHR21AT**
		Dilution Factor: 1				
		Analysis Time..: 18:47				

MB Lot-Sample #: C9F260000-012 **Prep Batch #...:** 9177012

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/09	LFMRJ1AA
		Dilution Factor: 1				
		Analysis Time..: 07:50				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C9F240000-217 **Prep Batch #...:** 9175217					
Tin	103	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AU
		Dilution Factor: 1	Analysis Time..: 18:51		
Silver	104	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AV
		Dilution Factor: 1	Analysis Time..: 18:51		
Arsenic	99	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AW
		Dilution Factor: 1	Analysis Time..: 18:51		
Barium	102	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21AX
		Dilution Factor: 1	Analysis Time..: 18:51		
Beryllium	106	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A0
		Dilution Factor: 1	Analysis Time..: 18:51		
Cadmium	104	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A1
		Dilution Factor: 1	Analysis Time..: 18:51		
Cobalt	95	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A2
		Dilution Factor: 1	Analysis Time..: 18:51		
Chromium	97	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A3
		Dilution Factor: 1	Analysis Time..: 18:51		
Copper	98	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A4
		Dilution Factor: 1	Analysis Time..: 18:51		
Nickel	92	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A5
		Dilution Factor: 1	Analysis Time..: 18:51		
Lead	109	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A6
		Dilution Factor: 1	Analysis Time..: 18:51		
Selenium	97	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A7
		Dilution Factor: 1	Analysis Time..: 18:51		
Thallium	105	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A8
		Dilution Factor: 1	Analysis Time..: 18:51		
Antimony	98	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21A9
		Dilution Factor: 1	Analysis Time..: 18:51		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	95	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21CA
		Dilution Factor: 1	Analysis Time..: 18:51		
Zinc	103	(80 - 120)	SW846 6020	06/24-07/02/09	LFHR21CC
		Dilution Factor: 1	Analysis Time..: 18:51		

LCS Lot-Sample#: C9F260000-012 **Prep Batch #...:** 9177012

Mercury	101	(80 - 120)	SW846 7470A	06/26/09	LFMRJ1AC
		Dilution Factor: 1	Analysis Time..: 07:52		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9F200181-001 **Prep Batch #...:** 9175217							
Tin	103	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1AX
	102	(75 - 125)	0.34	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A0
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Silver	99	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A1
	99	(75 - 125)	0.34	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A2
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Arsenic	98	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A3
	98	(75 - 125)	0.56	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A4
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Barium	101	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A5
	101	(75 - 125)	0.09	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A6
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Beryllium	106	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A7
	105	(75 - 125)	0.56	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1A8
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Cadmium	101	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1A9
	102	(75 - 125)	0.75	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CA
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Cobalt	91	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CC
	90	(75 - 125)	0.17	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CD
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	91	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CE
	91	(75 - 125)	0.10	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CF
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Copper	89	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CG
	89	(75 - 125)	0.66	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CH
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Nickel	86	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CJ
	86	(75 - 125)	0.09	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CK
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Lead	109	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CL
	108	(75 - 125)	0.36	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CM
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Selenium	94	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CN
	87	(75 - 125)	8.3	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CP
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Thallium	106	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CQ
	105	(75 - 125)	1.0	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CR
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Antimony	104	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CT
	103	(75 - 125)	0.79	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CU
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	94	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CV
	94	(75 - 125)	0.17	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1CW
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					
Zinc	95	(75 - 125)			SW846 6020	06/24-07/02/09	LFCXT1CX
	95	(75 - 125)	0.70	(0-20)	SW846 6020	06/24-07/02/09	LFCXT1C0
		Dilution Factor: 1					
		Analysis Time..: 19:08					
		MS Run #.....: 9175112					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C9F200181 **Matrix.....:** W
Date Sampled...: 06/19/09 **Date Received..:** 06/20/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C9F200181-002 **Prep Batch #...:** 9177012							
Mercury	107	(75 - 125)			SW846 7470A	06/26/09	LFC001AX
	100	(75 - 125)	6.8	(0-20)	SW846 7470A	06/26/09	LFC001A0

Dilution Factor: 1
Analysis Time..: 07:56
MS Run #.....: 9177004

NOTE(S):

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

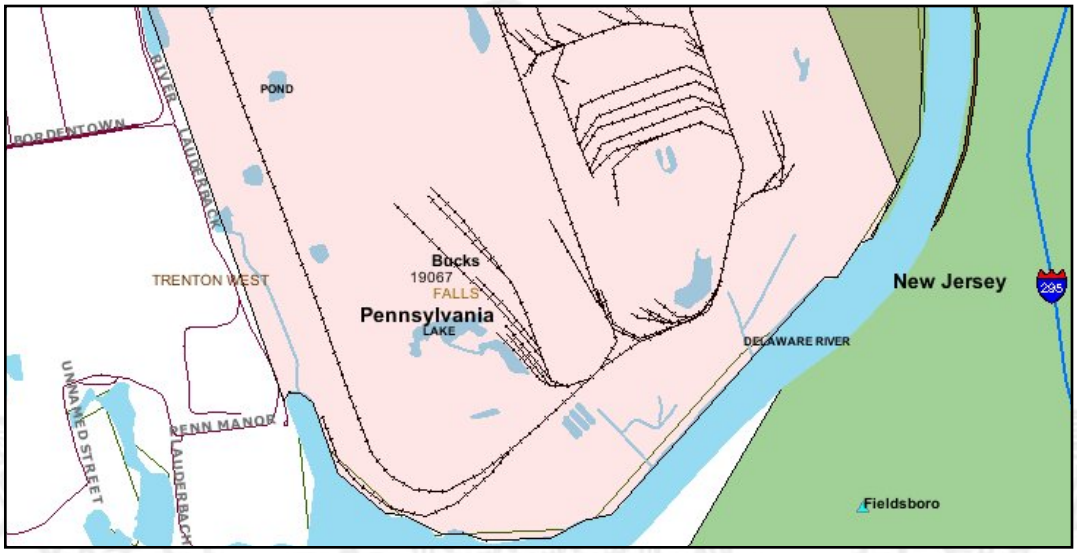
APPENDIX F

Pennsylvania Natural Diversity Index

LANGAN

1. PROJECT INFORMATION

Project Name: **USS Site-Wide Groundwater**
Date of review: **8/28/2009 2:02:33 PM**
Project Category: **Development,Other**
Project Area: **1365.5** acres
County: **Bucks** Township/Municipality: **Falls**
Quadrangle Name: **TRENTON WEST**
ZIP Code: **19067**
Decimal Degrees: **40.15746 N, --74.76338 W**
Degrees Minutes Seconds: **40° 9' 26.9" N, -74° 45' 48.2" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	**Potential Impact**	**FURTHER REVIEW IS REQUIRED, See Agency Response**
U.S. Fish and Wildlife Service	**Potential Impact**	**FURTHER REVIEW IS REQUIRED, See Agency Response**

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for one year** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

PFBC Species:
Scientific Name: Kinosternon subrubrum
Common Name: Eastern Mud Turtle
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Sensitive Species**
Common Name:
Current Status: Threatened
Proposed Status: Special Concern Species*

Scientific Name: Acipenser brevirostrum
Common Name: Shortnose Sturgeon
Current Status: Endangered
Proposed Status: Endangered

Scientific Name: Acipenser oxyrinchus
Common Name: Atlantic Sturgeon
Current Status: Endangered
Proposed Status: Endangered

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.
** Sensitive Species - Species identified by the jurisdictinal agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of *Minimum* Materials to be submitted:

____**SIGNED** copy of this Project Environmental Review Receipt
____Project narrative with a description of the overall project, the work to be preformed, current physical characteristics of the site and acreage to be impacted.
____Project location information (name of USGS Quadrangle, Township/Municipality, and County)
____USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.
____A basic site plan(particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
____Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
____Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams
____The DEP permit(s) required for this project

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with

applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at http://www.naturalheritage.state.pa.us.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a **preliminary** screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA. 17105-8552
Fax:(717) 772-0271

U.S. Fish and Wildlife Service

Endangered Species Section
315 South Allen Street, Suite 322, State College, PA. 16801-4851
NO Faxes Please.

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name:_____
Company/Business Name:_____
Address:_____
City, State, Zip:_____
Phone:(_____)_____Fax:(_____)_____
Email:_____

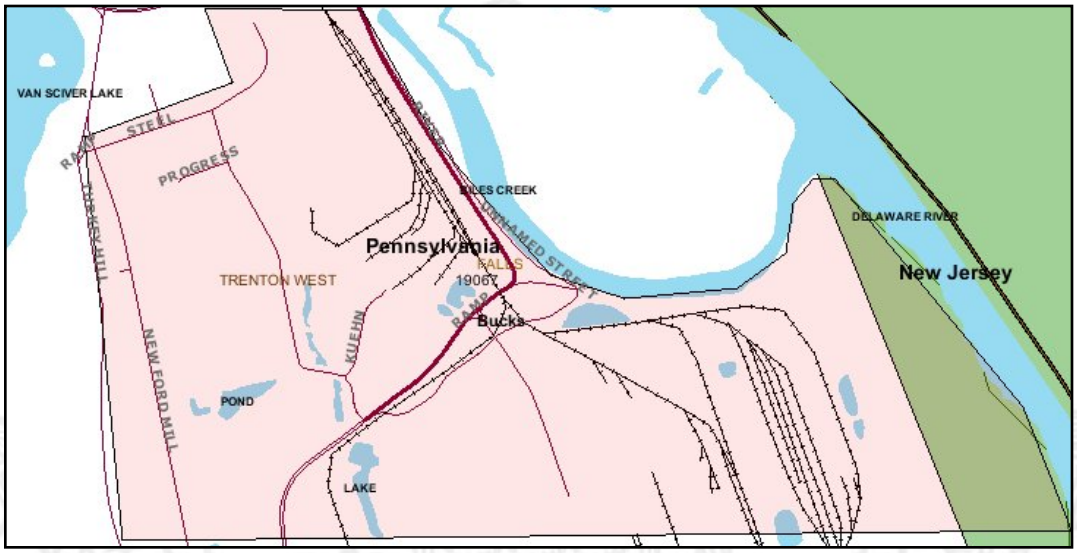
8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

_____ _____
applicant/project proponent signature date

1. PROJECT INFORMATION

Project Name: **USS Site-Wide Groundwater Sampling**
Date of review: **8/28/2009 2:05:27 PM**
Project Category: **Development,Other**
Project Area: **1486.0** acres
County: **Bucks** Township/Municipality: **Falls**
Quadrangle Name: **TRENTON WEST**
ZIP Code: **19067**
Decimal Degrees: **40.15927 N, --74.77242 W**
Degrees Minutes Seconds: **40° 9' 33.4" N, -74° 46' 20.7" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	**Potential Impact**	**FURTHER REVIEW IS REQUIRED, See Agency Response**
PA Fish and Boat Commission	**Potential Impact**	**FURTHER REVIEW IS REQUIRED, See Agency Response**
U.S. Fish and Wildlife Service	**Potential Impact**	**FURTHER REVIEW IS REQUIRED, See Agency Response**

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

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PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

DCNR Species:
Scientific Name: Amaranthus cannabinus
Common Name: Waterhemp Ragweed
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Bidens bidentoides
Common Name: Swamp Beggar-ticks
Current Status: Threatened
Proposed Status: Endangered

Scientific Name: Euphorbia ipecacuanhae
Common Name: Wild Ipecac
Current Status: Endangered
Proposed Status: Endangered

Scientific Name: Hypericum stragulum
Common Name: St Andrew's-cross
Current Status: Special Concern Species*

Proposed Status: Threatened

Scientific Name: Sagittaria subulata
Common Name: Subulate Arrowhead
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Schoenoplectus smithii
Common Name: Smith's Bulrush
Current Status: Endangered
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Zizania aquatica
Common Name: Indian Wild Rice
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Fish and Boat Commission

PFBC Species:
Scientific Name: Kinosternon subrubrum
Common Name: Eastern Mud Turtle
Current Status: Special Concern Species*
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Bureau of Wildlife Habitat Management
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7. PROJECT CONTACT INFORMATION

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applicant/project proponent signature date

APPENDIX G

PENTOXSD Transport Modeling

Table 1
PENTOX Groundwater to Surface Water Pathway Analysis Input Parameters for Delware River
U.S. Steel Corporation
Fairless Hills, Pennsylvania

Parameter	Unit	Value	Source
River Mile Index (at discharge point)	mile	134.5	Delware River Basin Commision
River Stage Elevation (at discharge point)	ft	3.5	BCM CCR July 1993
Drainage Area	mi^2	6,780.00	USGS National Water Information System
Q_{7-10} Stream Flow	ft^3/s	1,240.00	Lowest Daily Mean (Water-Data Report 2006)
$_{Q7-10}$ Reach Width	ft	3,000.00	Delaware River Cost Survey NOAA Map 12314
$_{Q7-10}$ Reach Depth	ft	15.00	Delaware River Cost Survey NOAA Map 12315
Q_h Stream Flow	ft^3/s	4,780.00	Lowest Annual Mean (Water-Data Report 2006)
$_{Qh}$ Reach Width	ft	3,700.00	Delaware River Cost Survey NOAA Map 12314
$_{Qh}$ Reach Depth	ft	30.00	Delaware River Cost Survey NOAA Map 12314
River Mile Index (at confluence)	mile	0.001	Delware River Basin Commision
River Stage Elevation (at confluence)	ft	0.00	Delware River Basin Commision
Drainage Area	mi^2	14,119	Delware River Basin Commision
Q_{7-10} Stream Flow	ft^3/s	Calculated by PENTOX	NA
$_{Q7-10}$ Reach Width	ft	58,080.00	http://egisws01.nos.noaa.gov/servlet/BuildPage?template=bathy.txt&B1=Submit&parm1=M090
$_{Q7-10}$ Reach Depth	ft	154.00	http://egisws01.nos.noaa.gov/servlet/BuildPage?template=bathy.txt&B1=Submit&parm1=M090
Q_h Stream Flow	ft^3/s	Calculated by PENTOX	NA
$_{Qh}$ Reach Width	ft	58,080.00	http://egisws01.nos.noaa.gov/servlet/BuildPage?template=bathy.txt&B1=Submit&parm1=M090
$_{Qh}$ Reach Depth	ft	154.00	http://egisws01.nos.noaa.gov/servlet/BuildPage?template=bathy.txt&B1=Submit&parm1=M090
Diffuse Groundwater Flow from Overburden	million gallons per day	0.00118	Calculated
Hydraulic Conductivity (K)	ft/d	7.2000	West Chester Engineers Aquifer Test - 1991
Hydraulic Gradient in Overburden (i)	ft/ft	0.00110	Maximum observed along Delware River shoreline Oct 2008
Area of groundwater flux (A)	ft^2	20,000.00	Sat Thickness = 20 ft (x-xec C-C' by BCM); Width = 1,000 ft

NOTES:
(1) Diffuse Groundwater Flow (in Million Gallons per Day) = ((Hydraulic Conductivity x Hydraulic Gradient x Area of Groundwater Flux) x 7.481) / (1,000,000)
(2) Delaware River is Tidal
NA = Not Applicable.

Table 2
PENTOX Results - Groundwater to Surface Water Wasteload Allocations
U.S. Steel Fairless Works
Fairless Hills, Pennsylvania

Compound	Max Dectected Concentration October 2008 and June 2009	Location	CFC	AFC	THH	CRL
RCRA APPENDIX IX VOLATILE ORGANIC COMPOUNDS						
BENZENE	490	MW 5-7-24	NA	NA	NA	3.72E+05
RCRA APPENDIX IX SEMI-VOLATILE ORGANIC COMPOUNDS						
BENZO(A)PYRENE	2.4	MW4-02-24	NA	NA	NA	1.36E+03
BENZO(B)FLUORANTHENE	2.9	MW 1-23-47	NS	NS	NS	NS
BENZO(GHI)PERYLENE	3.8	MW 1-23-47	NS	NS	NS	NS
BENZO(K)FLUORANTHENE	3.5	MW 1-23-47	NA	NA	NA	1.36E+03
BIS(2-ETHYLHEXYL)PHTHALATE	11	MW6-12-42	5.36E+07	3.83E+07	NA	5.58E+05
CHRYSENE	3.8	MW 1-23-47	NA	NA	NA	1.36E+03
DIBENZO(A,H)ANTHRACENE	3.8	MW4-02-24	NA	NA	NA	1.36E+03
HEXACHLOROBENZENE	1.3	MW 1-23-47	NA	NA	NA	1.39E+01
N-NITROSODI-N-BUTYLAMINE	0.91	MW4-14-36	NS	NS	NS	NS
PENTACHLOROPHENOL	1.2	MW 3-12-31	3.94E+05	7.42E+04	NA	8.67E+04
RCRA APPENDIX IX METALS - Dissolved						
ARSENIC	100	MW4-33-25	8.72E+06	2.89E+06	2.94E+06	NA
BERYLLIUM	60	MW4-11-33	NS	NS	NS	NS
CADMIUM	13.6	MW 4-11-33	1.45E+05	3.84E+04	NA	NA
NICKEL	430	MW 4-11-33	3.07E+06	3.99E+06	3.60E+07	NA

NOTES:
NA = Not Appllicable
NS = PA Chapter 16 Standard Does Not Exist
CFC = chronic fish criteria
AFC = acute fish criteria
THH = target human health
CRL = cancer risk level

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number
134.50	**Fairless Hills**	**2634102**

AFC

Q7-10: CCT (min) 15 **PMF** 0.012 **Analysis pH** 7 **Analysis Hardness** 100

Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
BENZO(a)PYRENE	0	0	0	0	NA	NA	NA
BENZO(k)-FLUORANTHENE	0	0	0	0	NA	NA	NA
BIS(2-ETHYLHEXYL) PHTHALATE	0	0	0	0	4500	4500	3.828E+07
CHRYSENE	0	0	0	0	NA	NA	NA
DIBENZO(a,h) ANTHRACENE	0	0	0	0	NA	NA	NA
HEXACHLOROBENZENE	0	0	0	0	NA	NA	NA
PENTACHLOROPHENOL	0	0	0	0	8.723	8.723	74214.3
ARSENIC	0	0	0	0	340	340	2890000
	Dissolved WQC. Dissolved WQC. Chemical translator of 1 applied.						
BERYLLIUM	0	0	0	0	NA	NA	NA
CADMIUM	0	0	0	0	4.264	4.517	38431.93
	Dissolved WQC. Dissolved WQC. Chemical translator of 0.944 applied.						
NICKEL	0	0	0	0	468.236	469.174	3990000
	Dissolved WQC. Dissolved WQC. Chemical translator of 0.998 applied.						
BENZENE	0	0	0	0	NA	NA	NA

CFC

Q7-10: CCT (min) 720 **PMF** 0.086 **Analysis pH** 7 **Analysis Hardness** 100

Parameter	Stream Conc. (µg/L)	Stream CV	Trib Conc. (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
BENZO(a)PYRENE	0	0	0	0	NA	NA	NA
BENZO(k)-FLUORANTHENE	0	0	0	0	NA	NA	NA
BIS(2-ETHYLHEXYL) PHTHALATE	0	0	0	0	910	910	5.363E+07
CHRYSENE	0	0	0	0	NA	NA	NA
DIBENZO(a,h) ANTHRACENE	0	0	0	0	NA	NA	NA

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number
134.50	**Fairless Hills**	**2634102**

HEXACHLOROBENZENE	0	0	0	0	NA	NA	NA
PENTACHLOROPHENOL	0	0	0	0	6.693	6.693	394436
ARSENIC	0	0	0	0	148	148	8720000
	Chemical translator of 1 applied.						
BERYLLIUM	0	0	0	0	NA	NA	NA
CADMIUM	0	0	0	0	2.238	2.462	145102
	Chemical translator of 0.909 applied.						
NICKEL	0	0	0	0	52.007	52.163	3070000
	Chemical translator of 0.997 applied.						
BENZENE	0	0	0	0	NA	NA	NA

THH

Q7-10: **CCT (min)** 720 **PMF** 0.086 **Analysis pH** NA **Analysis Hardness** NA

Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
BENZO(a)PYRENE	0	0	0	0	NA	NA	NA
BENZO(k)-FLUORANTHENE	0	0	0	0	NA	NA	NA
BIS(2-ETHYLHEXYL) PHTHALATE	0	0	0	0	NA	NA	NA
CHRYSENE	0	0	0	0	NA	NA	NA
DIBENZO(a,h) ANTHRACENE	0	0	0	0	NA	NA	NA
HEXACHLOROBENZENE	0	0	0	0	NA	NA	NA
PENTACHLOROPHENOL	0	0	0	0	NA	NA	NA
ARSENIC	0	0	0	0	50	50	2940000
BERYLLIUM	0	0	0	0	NA	NA	NA
CADMIUM	0	0	0	0	NA	NA	NA
NICKEL	0	0	0	0	610	610	3.595E+07
BENZENE	0	0	0	0	NA	NA	NA

CRL

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number
134.50	**Fairless Hills**	**2634102**

Qh: **CCT (min)** 720 **PMF** 0.118

Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
BENZO(a)PYRENE	0	0	0	0	0.004	0.004	1363.098
BENZO(k)-FLUORANTHENE	0	0	0	0	0.004	0.004	1363.098
BIS(2-ETHYLHEXYL) PHTHALATE	0	0	0	0	1.8	1.8	557631.1
CHRYSENE	0	0	0	0	0.004	0.004	1363.098
DIBENZO(a,h) ANTHRACENE	0	0	0	0	0.004	0.004	1363.098
HEXACHLOROBENZENE	0	0	0	0	0.000045	0.000045	13.941
PENTACHLOROPHENOL	0	0	0	0	0.28	0.28	86742.62
ARSENIC	0	0	0	0	NA	NA	NA
BERYLLIUM	0	0	0	0	NA	NA	NA
CADMIUM	0	0	0	0	NA	NA	NA
NICKEL	0	0	0	0	NA	NA	NA
BENZENE	0	0	0	0	1.2	1.2	371754.1

PENTOXSD

Modeling Input Data

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
63532	134.50	3.50	6780.00	0.00000	0.00	☑

Stream Data

	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary Hard (mg/L)	Tributary pH	Stream Hard (mg/L)	Stream pH	Analysis Hard (mg/L)	Analysis pH
Q7-10	0.1	0	1240	0	3000	15	0	0	100	7	0	0	0	0
Qh		0	4780	0	3700	30	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
Fairless Hills	2634102	0.00118	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
ARSENIC	1	0	0.5	0.5	0	0	0	0	1	0
BENZENE	1	0	0.5	0.5	0	0	0	0	1	0
BENZO(a)PYRENE	1	0	0.5	0.5	0	0	0	0	1	0
BENZO(k)-FLUORANTHENE	1	0	0.5	0.5	0	0	0	0	1	0
BERYLLIUM	1	0	0.5	0.5	0	0	0	0	1	0
BIS(2-ETHYLHEXYL) PHTHALATE	1	0	0.5	0.5	0	0	0	0	1	0
CADMIUM	1	0	0.5	0.5	0	0	0	0	1	0
CHRYSENE	1	0	0.5	0.5	0	0	0	0	1	0
DIBENZO(a,h) ANTHRACENE	1	0	0.5	0.5	0	0	0	0	1	0
HEXACHLOROBENZENE	1	0	0.5	0.5	0	0	0	0	1	0
NICKEL	1	0	0.5	0.5	0	0	0	0	1	0
PENTACHLOROPHENOL	1	0	0.5	0.5	0	0	0	0	1	0

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
63532	0.00	0.00	14119.00	0.00000	0.00	☑

Stream Data

	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary Hard (mg/L)	Tributary pH	Stream Hard (mg/L)	Stream pH	Analysis Hard (mg/L)	Analysis pH
Q7-10	0.1	0	0	0	58080	154	0	0	100	7	0	0	0	0
Qh		0	0	0	58080	154	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
		0	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
ARSENIC	0	0	0.5	0.5	0	0	0	0	1	0
BENZENE	0	0	0.5	0.5	0	0	0	0	1	0
BENZO(a)PYRENE	0	0	0.5	0.5	0	0	0	0	1	0
BENZO(k)-FLUORANTHENE	0	0	0.5	0.5	0	0	0	0	1	0
BERYLLIUM	0	0	0.5	0.5	0	0	0	0	1	0
BIS(2-ETHYLHEXYL) PHTHALATE	0	0	0.5	0.5	0	0	0	0	1	0
CADMIUM	0	0	0.5	0.5	0	0	0	0	1	0
CHRYSENE	0	0	0.5	0.5	0	0	0	0	1	0
DIBENZO(a,h) ANTHRACENE	0	0	0.5	0.5	0	0	0	0	1	0
HEXACHLOROBENZENE	0	0	0.5	0.5	0	0	0	0	1	0
NICKEL	0	0	0.5	0.5	0	0	0	0	1	0
PENTACHLOROPHENOL	0	0	0.5	0.5	0	0	0	0	1	0

PENTOXSD Analysis Results

Hydrodynamics

SWP Basin	Stream Code:	Stream Name:
15	63532	CRAZY RUN

RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope	Depth (ft)	Width (ft)	WD Ratio	Velocity (fps)	Reach Trav Time (days)	CMT (min)
Q7-10 Hydrodynamics											
134.500	1240	0	1240	0.00182	5E-06	15	3000	200	0.0276	298.28	1000+
0.001	1973.9	0	1973.9	NA	0	0	0	0	0	0	NA
Qh Hydrodynamics											
134.500	4780	0	4780	0.00182	5E-06	30	3700	123.33	0.0431	190.87	1000+
0.001	6662.5	0	6662.5	NA	0	0	0	0	0	0	NA

APPENDIX H

Environmental Covenant