Former Jameco Industries Site

WYANDANCH, SUFFOLK COUNTY, NEW YORK

Periodic Review Report

NYSDEC Site Number: #1-52-006

Linzer Corporation
248 Wyandanch Avenue
West Babylon, New York

Prepared by:

Goldman Environmental Consultants, Inc.
60 Brooks Drive, Braintree, MA 02184
(781) 356-9140

JUNE 2013

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PERIODIC REVIEW REPORT

1.0 EXECUTIVE SUMMARY

Goldman Environmental Consultants, Inc. (GEC) of Braintree, Massachusetts has been retained by the Linzer Corporation, to prepare the following Periodic Review Report (PRR) for site ("Site") located at 248 Wyandanch Avenue, Wyandanch, New York. A PRR is required for sites in active Site Management (SM) with the New York State Department of Environmental Conservation (NYSDEC) as promulgated in Section 6.3(b) of DER-10. This PRR covers the reporting period of June 1, 2012 to May 31, 2013 and concerns site specific SM requirements as described in the Site Management Plan (SMP), dated July 27, 2009, prepared by GEC and approved by the NYSDEC.

The Site (#1-52-006) consists of approximately 7.4 acres and is located in a mixed industrial/commercial/residential area. The Site is improved with a single-story concrete block building surrounded by paved and unpaved parking and storage areas as well as landscaped areas. A Site Locus is included as Figure 1 and a Site Plan is included as Figure 2. The Site is currently owned and occupied by Linzer Products, Inc. (Linzer), a manufacturer of painting industry products. Linzer has occupied the Site since early 1999. Prior to 1999, Jameco Industries (Jameco) occupied the property. Jameco used the Site to manufacture plumbing fixtures, some of which involved plating parts with chrome and nickel.

The environmental conditions at the Site are broken down into five Areas of Concern (AOC). Elevated concentrations of metals and volatile organic compounds (VOCs) from plating activities and process wastewater discharges were measured across several portions of the Site in areas identified as AOC-1, AOC-2, AOC-3, and AOC-5. Semi-VOCs (SVOCs) from a release of cutting oil were detected in the northern portion of the Site identified as AOC-4.

Remedial activities conducted at the Site were completed in January 2008 and summarized in the August 2011 Final Engineering Report prepared by GEC. They included: the closure of the concrete leaching pool structures, the removal of contaminated soils, in-situ solidification/stabilization of metals in soils, and the implementation of Institutional Controls / Engineered Controls (IC/EC) as described in an Environmental Easement (EE) prepared for the Site and executed by the current owner, Linzer. Currently the remedial program consists of long-term groundwater monitoring and the inspection of the five AOCs with respect to the SMP, dated July 27, 2009, and the Soil Management Plan, dated January 22, 2009.

Effectiveness of the Remedial Program

Generally, the remedial program has proven effective with regards to fulfilling the remediation goals put forth in the SMP. For most monitoring wells, only slightly elevated concentrations of nickel and copper remain in groundwater at the Site. For the last year of monitoring, increased levels of total chromium, copper and nickel were detected in groundwater of monitoring well MW-26R during both monitoring events (i.e., September 18, 2012 and March 27, 2013). An increased level of total chromium was detected in monitoring well MW-10 during the September 18, 2012 monitoring event, but not that of the March 27, 2013 event. An increased level of nickel was detected in MW-5R during the March 27, 2013 monitoring event, but not during the September 18, 2012 event. These results could be due to random variation during sampling events, seasonal changes in the levels of one or more metals, or migration of contaminants from a previously untreated area of the Site. Light non-aqueous phase liquid (LNAPL) is still present in MW-19, located in AOC-4. Groundwater samples from three monitoring wells located within AOC-4 were analyzed for SVOCs. Except for 1.17 μg/l 1,4-dichlorobenzene in MW-20, no SVOC was detected in any of the groundwater samples.

Compliance

GEC has not identified any non-compliance issues with the groundwater sampling program, SMP, or the IC/EC described in the EE. On January 23, 2012, the NYSDEC notified Linzer that all remediation work required at the Jameco site has been completed and it has reclassified the Site as a Class IV environmental site. As such, Watts has addressed the "existing OHM condition" and fulfilled its obligation as required in the Purchase and Sale agreement with Linzer. Under the EE that Linzer entered with NYSDEC on August 2, 2012, Linzer assumed all of the remaining obligations under the NYSDEC-approved Site Management Plan, which includes periodic inspections, monitoring and PRRs to the NYSDEC. In a letter dated May 16, 2012, Linzer had agreed to take over the responsibility for the remaining periodic inspections, monitoring and reporting as outlined in the SMP. As such, all future inspections, monitoring and reporting will be undertaken by Linzer.

Recommendations

Continued monitoring is needed to check the variability of total chromium, copper, and nickel levels in groundwater, and to determine if there is any trend in changing metal levels in groundwater. Continued monitoring of SVOCs is also necessary due the detection of LNAPL in MW-19.

2.0 SITE OVERVIEW

The site is located in the County of Suffolk, New York and is identified as Block 02 and Lots 73.1 and 37.6 on the Suffolk County Tax Map, Parcel Numbers District 0100, Section 82.00. The 9.35 ± acre (Parcels 1 and 3) site is located with in a mixed industrial/commercial/residential area bounded by Wyandanch Avenue to the north, Rockland Avenue to the east, Mount Avenue to the west-southwest, and residential properties to the south-southeast. Refer to Figure 2 for a site plan depicting the boundaries of the Site.

The following paragraphs briefly describe the nature and extent of soil contamination prior to site remediation. Again, refer to Figure 2 for a site plan depicting the location of all five AOCs.

AOC - 1 is located to the southeast of the building directly east of the current loading dock area. This area was formerly a seepage lagoon where four heavy metals: chromium, nickel, copper and zinc, came to be deposited at levels exceeding relevant standards, criteria, and guidance (SCGs) in soil as a result of former wastewater treatment practices. All four metals were also detected in groundwater downgradient of AOC-1; however, only nickel was detected above SCGs.

AOC - 2 is located inside the former Jameco facility near the center of the building and was formerly a degreasing area. Elevated levels of VOCs (i.e., trichloroethene (TCE), 1,2-dichloroethene (1,2-DCE) and tetrachloroethene (PCE)) were detected above SCGs in soil and groundwater in this area.

AOC - 3 is a square area extending southward from the southern property line where forty-eight leaching chambers were formerly located that received treated process water discharge. Four heavy metals including chromium, nickel, copper and zinc came to be deposited in soil during the leaching process. Moderate to elevated concentrations of metals above SCGs were detected in soils in this area. Low to moderate concentrations of metals above SCGs were also detected in groundwater within the former leaching pool area.

AOC - 4 is located both beneath and in front of the building's north side where machine cutting oil was discharged to a leaching pool system. As a result, both soil and groundwater in the area were impacted by the presence of LNAPL and SVOCs.

AOC - 5 is located inside the former Jameco facility near the center of the building and was formerly a metal plating shop. Metals including chromium, nickel, copper and zinc were detected in soil at levels exceeding SCGs. In groundwater, chromium, copper, and zinc were detected at concentrations above SCGs.

In December 1983, NYSDEC listed the Site as a Class 2a site. Then in May 1992 the

NYSDEC reclassified the Site to Class 2; however, after a petition from Jameco Industries, Inc. the Site was reclassified to Class 4 in February 1993. Following additional investigations the Site was reclassified back to Class 2 in February 1996. The NYSDEC issued a Record of Decision (ROD) for the Site dated March 2003. GEC recommended amendments to the ROD based on the results of supplemental subsurface investigations conducted in accordance with a *Work Plan for Soil and Groundwater Sampling and Analysis* dated June 2003. The results of the subsurface investigation were documented in a *Draft Final Pre-Remedial Design / Remedial Action Soil and Groundwater Sampling Work Plan* dated May 2004. On May 11, 2005, NYSDEC issued a ROD Amendment letter outlining proposed amendments to the selected alternative remedies for the affected areas.

In August 2005 GEC submitted the Remedial Design Plan summarizing the steps necessary to implement the proposed Amended ROD. The final ROD Amendment was subsequently issued in March 2006 and ROD activities commenced in the fall of 2006. ROD activities began with chemical injections on November 6, 2006 and were completed with the replacement of monitoring wells MW-3 and MW-4 on April 29, 2008. The Final Engineering Report (FER) prepared by GEC and dated August 29, 2011, summarized site remedies conducted at the Site in accordance with the ROD and provided the most recent groundwater monitoring data collected prior to the submittal of the FER.

The NYSDEC approved the FER on September 14, 2011. On January 23, 2012, the NYSDEC changed the Site classification From Class 2 to Class 4. Among the reasons the NYSDEC cited for this change were that the remedy has been constructed consistent with the ROD Amendment and the requisite institutional controls, in the form of an environmental easement were in please.

As stated in the Amended Record of Decision (ROD), the Remedial Action Objectives (RAOs) were to eliminate or mitigate all significant threats to public health and/or the environment.

The remediation goals for the Site were to eliminate or reduce to the extent practicable:

- Exposures of persons at or around the site to metals and SVOCs in soil and groundwater; and

- The release of contaminants from soil into groundwater that may create exceedances of ambient groundwater quality standards.

The remediation goals for the Site also included attaining, to the extent practicable, and with changes authorized by NYSDEC staff:

- Ambient Class GA groundwater quality standards; and

- The soil cleanup objectives specified in Technical and Administrative Guidance Memorandum (TAGM) #4046.

As part of the Amended ROD, groundwater monitoring is required. The SMP dated July 27, 2009 and submitted to NYSDEC, describes the post-remedial groundwater monitoring plan, a reporting schedule and appropriate institutional controls.

According to the groundwater sampling plan, samples were to be collected from those wells identified in Table 1 and analyzed for the listed analytes. Samples were to be conducted quarterly for the first year after initiation of the remediation and then semi-annually for the next four years. The year of quarterly sampling was completed on September 11, 2008, while the semi-annual monitoring began in March 2009 and has continued since with the most recent round conducted on March 2013. This report summarizes the semi-annual sampling conducted during September 2012 and March 2013.

According to the Amended ROD, an environmental easement was to be implemented and a soil management plan developed to ensure safety in the event that contaminated soils were to be disturbed during any future subsurface construction activities. On August 2, 2010 Linzer, the current Site owner, executed and environmental easement in a form submitted to and approved by the NYSDEC. The easement was recorded by the Suffolk County Clerk's Office on August 2, 2010.

A Soil Management Plan was issued to the NYSDEC and approved along with the SMP on August 12, 2009. According to the plan, the NYSDEC must be notified in the event that such activities become necessary. A periodic certification, prepared by a professional engineer or environmental professional acceptable to NYSDEC must also be submitted, which must certify that the institutional controls and engineering controls put in place, pursuant to the ROD, are still in place, have not been altered and are still effective. Periodic certification must be provided until the NYSDEC notifies in writing that this certification is no longer required. Please refer to the Periodic Review Report Certification Statement and IC/EC Certification form in Attachment 1.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

IC/EC established for the Site include the maintenance of a protective soil cover system over each AOC and a prohibition against using groundwater as a source of potable or process water without water quality treatment. These controls have been implemented to successfully reduce exposures of persons at or around the Site to metals and SVOCs in soil and groundwater.

During the September 2012 and March 2013 monitoring events, groundwater samples were collected from monitoring wells MW-2, MW-3, MW-4, MW-5R, MW-10, MW-12 and MW-26R for analysis of total chromium, nickel, and/or copper. At the same times, groundwater

samples were collected from monitoring wells MW-20, MW-21 and MW-23 located within AOC-4 for analysis of SVOCs. These groundwater data were used to evaluate the effectiveness of the remedies.

The selected remedies to reduce or eliminate the release of contaminants from soil into groundwater have proven effective at remediating nickel, copper, chromium, zinc, and SVOCs in groundwater, although the September 2012 and March 2013 sampling results indicate a slight increase of chromium, copper and nickel in one or more monitoring wells. MW-26R had increased levels of all three metals. It is located downgradient of AOC-5, but also near a catch basin within the loading dock area for the Site building. Below is a summary of the sampling results. Refer to Table 2 and 3 for a completed summary of the analytical results for SVOCs and metals.

- Semi-annual groundwater sampling results show only slightly elevated concentrations of nickel persist across the Site. MW-3 and MW-10 had levels of nickel less than NYSDEC's Class GA Groundwater Standard for nickel. The remaining monitoring wells had levels of nickel above the Class GA Groundwater Standard during one or both sampling rounds. MW-4 and MW-12 had lower levels of nickel than previously detected. MW-2 had levels of nickel comparable to those detected during the prior two sampling rounds. MW-26R had higher levels of nickel than detected during the prior two sampling rounds. MW-5R had a significant increase in the concentration of nickel during the March 2013 (4.95 mg/l) sampling event but not during the September 2012 sampling event (0.2 mg/l). Other than for MW-5R during the March 2013 monitoring round, the recently reported concentrations of nickel are low relative to historically observed concentrations and generally range from well below to only slightly above the applicable GA Groundwater standard.

- Groundwater samples from MW-10, MW-12 and MW-26R were analyzed for copper. These three monitoring wells are within or downgradient of AOC-5. The semi-annual groundwater sampling results show elevated concentrations of copper in all three monitoring wells during one or both monitoring rounds. For MW-12 and MW-26R, the level of copper exceeded the NYSDEC Class GA Groundwater Standard during both monitoring events. For MW-10, the level of copper exceeded the Class GA Groundwater Standard during the September 2012 monitoring event, but not the March 2013 monitoring event. The levels of copper observed in MW-26R during the two most recent monitoring events indicate an increase relative to historical observations and are now above NYSDEC's Class GA Groundwater Standards.

- Groundwater samples from MW-10, MW-12 and MW-26R were analyzed for

total chromium (as opposed to hexavalent chromium). These three monitoring wells are within or downgradient of AOC-5. The semi-annual groundwater sampling results show elevated levels of total chromium in two monitoring wells (MW-10, and MW-26R) within and downgradient of AOC-5, during one monitoring round each, at levels exceeding NYSDEC's Class GA Groundwater Standard. At MW-10, 0.26 mg/l total chromium was detected in September of 2012. The level of total chromium detected at MW-10 (0.018 mg/l) in March 2013, were comparable to recent historic levels. The total chromium levels detected at MW-26R were 0.35 mg/l in March 2013 and 0.0014 mg/l in September 2012. The last time total chromium was detected in these monitoring wells at levels exceeding its Class GA Groundwater Standard was in 2009.

- No SVOCs were detected in any of the analyzed samples except for 1.17 μg/l 1,4-dichlorobenzene in the sample collected from MW-20, which is the first time it has been detected on the Site. The laboratory report indicated that the value is estimated. The LNAPL observed at MW-19 does not appear to be a significant source of SVOCs within AOC-4.

4.0 IC/EC PLAN COMPLIANCE REPORT

Institutional Controls

Institutional Controls at the Site were established to prevent exposure of persons at or around the Site to metals and SVOCs in groundwater by prohibiting the use of groundwater as a source of potable or process water without appropriate water quality treatment. An EE has been recorded on the property Deed with additional restrictions imposed to ensure safety in the event that residual contaminated soils were to be disturbed. The EE requires a soil management plan if/when excavation activities take place on Site in any of the AOCs. A Soil Management Plan was submitted as an attachment in the approved SMP. The SMP was approved by the NYSDEC in a letter dated August 12, 2009. The Soil Management Plan describes what is required during any future excavation work within the AOCs. Linzer, the Site owner, will also be required to provide semi-annual certification to NYSDEC certifying that the institutional and engineering controls are still in place and effective.

The performance of the institutional controls is evaluated by visual inspections and interviews with on-Site representatives for the current owner of the facility. Interviews consist of asking the current owner about any future plans to utilize groundwater water at the Site or if any excavations were conducted and/or are planned to be conducted within an AOC.

Engineering Controls

Engineering controls consisting of soil cover systems placed over contaminated soil/fill remaining on Site were established to prevent exposure of persons at or around the Site to metals and SVOCs in soil. Figure 2 shows the five AOCs and the form of engineering control at each AOC. The cover system is different in each of the AOCs and is comprised of one or more of the following:

- clean backfill,
- bituminous concrete ("asphalt") pavement; and/or,
- concrete foundation slabs of buildings.

Performance for each type of soil cover system is evaluated by conducting a visual inspection to evaluate the integrity and completeness of the cover over each AOC.

Status of IC/EC Objectives

GEC visited the site on September 18, 2012 and March 27, 2013 to inspect Site conditions concerning the AOCs on-Site, and collect groundwater samples. Please refer to photographs taken during each inspection, in Attachment 2. Both the institutional and engineered controls described above are fully in place and were effective at fulfilling the objective to prevent exposure of persons at or around the Site to metals and SVOCs in soil and groundwater.

- AOC-1 is completely covered by the bituminous concrete pavement adjacent to the loading docks.
- AOC-2 and AOC-5 are completely within the existing Site building and covered by the concrete foundation slab.
- AOC-3 is covered by approximately 5 feet of clean backfill (0 to 5 feet deep) and 6 feet of excavated soil reused for backfill (6 to 11 feet deep). Approximately 6 to 12 inches of compacted crushed concrete and Recycled Concrete Aggregate (RCA) blend is located at the surface.
- AOC-4 is about 75 percent located beneath the building concrete foundation slab, and about 25 present located in front of the building and covered with approximately 8 to 10 feet of clean backfill soils, including a vegetative cover (grass) at the surface.

- According to an interview with Linzer personnel, at this time the company does not have plans to develop groundwater at the Site for any kind of use, nor has Linzer conducted or planned to conduct trenching or excavation activities within any AOC.

Corrective Measures

No corrective measures are needed at this time.

Conclusions and Recommendations

Current Site conditions comply with the provisions of the IC/EC Plan.

GEC does not have any recommendations regarding the IC/EC plan.

5.0 MONITORING PLAN COMPLIANCE REPORT

Groundwater Monitoring Plan Components

Historically there has been a total of 24 groundwater monitoring wells on Site; however, a subset of 11 monitoring wells are included in the current Monitoring Plan that was initiated in June 2012.

The Monitoring Plan stipulates that, prior to collection of groundwater samples the groundwater level in each well shall be measured and recorded. Groundwater samples are to be collected with the low-flow sampling method and field parameters such as dissolved oxygen, pH, temperature, and specific conductance are to be monitored. Once the parameters stabilize within ten percent, then sample collection can begin. Laboratory analysis includes total chromium, copper, and nickel via USEPA Method 6010/7000s and/or SVOCs via USEPA Method 8270C. Samples must be submitted to a certified New York state laboratory under proper chain-of-custody documentation. Please refer to Table 1 attached for a summary of the groundwater monitoring plan.

Monitoring Completed During Reporting Period

Since the submittal of the last PRR in August 2012, two rounds of long-term groundwater monitoring were conducted during September 2012 and March 2013. With one exception, during both rounds a total of 10 monitoring wells were sampled for metals or SVOCs as shown in Table 1. Groundwater samples were not collected from MW-19 for analysis of SVOCs, due to the presence of LNAPL in the well. Prior to groundwater sampling, the groundwater level in each well was measured and recorded. Bladder pumps with disposable polyethylene tubing were used to purge and sample shallow monitoring wells, while a submersible bladder pump was used to sample any well deeper than 25 feet. Groundwater samples were collected using the USEPA Region II "Groundwater Sampling Procedure – Low Stress (low flow) Purging and Sampling

(March 16, 1998) and field parameters monitored included: dissolved oxygen, pH, temperature, specific conductance, ORP, and turbidity were monitored. Laboratory analysis included total chromium, copper and nickel via USEPA Method 6010 or SVOCs via USEPA Method 8270C. Samples were submitted to Environmental Quality Services, Inc. of Farmingdale, NY, a New York State certified laboratory under proper chain-of-custody documentation. Copies of analytical reports and chains-of-custody are included in Attachment 3.

Comparison with Remedial Objectives

The remediation goals for the Site include attaining, to the extent practicable, ambient Class GA groundwater quality standards. Overall, metal concentrations are consistent compared to historical data; however, metals in groundwater at several monitoring wells remain at concentrations above the Class GA groundwater quality standard. Current observations indicate an increased level of metals in some wells compared to earlier sampling events.. Generally, metal concentrations have remained within historical levels, with the possible exception of nickel at MW-5R, which showed a significant increase from 0.20 mg/l in September, 2012 to 4.95 mg/l in March of 2013.

Results from groundwater samples collected from the three wells sampled for SVOC analysis indicated no detections above laboratory's sample detection limits for any constituent, with one exception. 1,4-Dichlorobenze was detected in MW-20 during the March 2013 monitoring round. It is the first time 1,4-dichlorobenzene has been detected in any of the monitoring wells, but the laboratory report also indicates that this is an estimated value.

One well, MW-19, has not been sampled since March 2011 due to the presence of an LNAPL sheen in the monitoring well.

Five of the seven monitoring wells sampled for metal analysis (MW-2, MW-4, MW-5R, MW-12 and MW-26R) exceed the applicable Class GA Groundwater Standard for nickel during one or both monitoring events during the reporting period. Generally, the levels are comparable to or less than historic levels for most monitoring wells. For MW-5R and MW-26R, the levels are higher than historically detected in one monitoring rounds for MW-5R and both monitoring rounds for MW-26R.

All three monitoring wells sampled for copper (MW-10, MW-12 and MW-26R) exceeded the Class GA Groundwater Standard during one or both monitoring events for the reporting period. This marks the first time MW-26R exceeds the Class GA Groundwater Standard and it occurred during both sampling events in September of 2012 and March of 2013.

The samples collected from MW-10 in September 2012 and MW-26R in March 2013 exceeded the Class GA Groundwater Standard for total chromium. Although this was not the first time it was detected at a concentration above the standard in these two wells, it is the highest

historically detected concentration from samples collected for either well. The levels of total chromium detected in the alternate monitoring round for MW-10 and MW-26R and both monitoring rounds for MW-11 were below the Class GA Groundwater Standard for total chromium and are consistent with recent historic levels in these monitoring wells. The monitoring well with the most significant increase in metals during the September 2012 and March 2013 monitoring rounds was MW-26R. This monitoring well is located near the catch basin in the vicinity of the loading dock for the Site building. Whether the catch basin has a role in the levels of metals detected is uncertain. The other wells may have variation in metal levels due to seasonal factors, sampling variability, suspension of particulates in the groundwater samples, and / or migration of dissolved-phase metals from one portion of the Site to another. GEC will continue to monitor to determine if there is a trend in increasing metal concentrations at these monitoring wells. Please refer to Table 3 for a summary of analytical data for total metals.

In both recent rounds of data, no SVOCs related to the cutting oil release in groundwater were detected above the laboratory's sample detection limits, with one exception. 1,4-Dichlorobenzene was detected for the first time just above its sample detection limit. The laboratory report indicated that this was an estimated value and therefore not reliable. GEC will monitor for its presence in future monitoring rounds. Please refer to Table 2 for a summary of SVOC analytical data.

Changes to Groundwater Monitoring Component of Site Management Plan

Monitoring during this reporting period complied with the change previously proposed to the NYSDEC in GEC's December 2009 Annual Monitoring Report, which summarized the first six rounds of groundwater monitoring data collected after the completion of the remedial actions, and made recommendations to eliminate monitoring wells. During the course of long-term groundwater monitoring it became evident that individual wells no longer exceeded Class GA groundwater quality standards for one or more analyses. Therefore GEC reduced the groundwater monitoring scope by eliminating sampling of MW-3, MW-5R, MW-7, MW-10, MW-11, MW-12, MW-16, MW-17, and MW-26R for SVOC analysis. In addition, metal analyses were reduced to total chromium, copper and nickel only in MW-10, MW-12 and MW-26R, and nickel only in MW-2, MW-3, MW-4 and MW-5R. GEC understands that NYSDEC has verbally approved these changes to the SMP groundwater sampling plan.

Conclusions and Recommendations for Changes

Based on the two groundwater monitoring rounds conducted during September 2012 and March 2013, Site conditions appear to have remained relatively stable since April 2012. However, GEC has observed concentrations outside of historic ranges at MW-10 and MW-26R for total chromium and copper. Higher nickel concentrations were observed at MW-10 and

MW-26R, but were within historic ranges. At MW-5R, the level of nickel during one monitoring event was above its historic range for this monitoring well. Concentrations of nickel in groundwater above the Class GA Groundwater Standards persist across the Site in wells downgradient of AOC-1, AOC-3 and AOC-5. Concentrations of copper above the Class GA Groundwater Standard persist in only two monitoring wells downgradient of AOC-5 (MW-12 and MW-26R). The two most recent sampling events were the first time copper had exceeded the groundwater quality standard at MW-26R. No SVOCs were detected in any groundwater monitoring wells, except for 1,4-dichlorobenzene at MW-20. LNAPL sheen was observed in MW-19 and, therefore, this well was not sampled for analysis.

Based on the concentrations of SVOCs and the metals total chromium, copper and nickel observed during this reporting period, GEC recommends maintaining the groundwater monitoring plan previously proposed to the NYSDEC in GEC's December 2009 Annual Monitoring Report. GEC also recommends continued monitoring of the wells in the groundwater monitoring plans to determine if there is a trend in increasing metal concentrations in any of these wells.

6.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

SMP Compliance

The IC/EC established in the EE prevents exposure of persons at or around the Site to metals and SVOCs in soil and groundwater. All requirements of the IC/EC and EE were met during the reporting period. Linzer will continue to conduct Site inspections to verify the effectiveness of the IC/EC.

Long-term groundwater monitoring was established in the SMP to determine if cleanup goals for groundwater could be achieved. The monitoring plan was modified in GEC's December 2009 Annual Monitoring Report based on years of data which showed clean groundwater in certain monitoring wells.

Performance and Effectiveness of the Remedy

The IC/EC established in the EE are effective in achieving the remedial objective to eliminate exposures of persons at or around the Site to metals and SVOCs in soil and groundwater. Currently the groundwater data have shown that the other remedial objectives have been or will likely be obtained over time: to reduce the release of contaminants from soil into groundwater that may create exceedances of ambient groundwater quality standards; to meet ambient Class GA Groundwater Standards; and to meet soil cleanup objectives specified in Technical and Administrative Guidance Memorandum (TAGM) #4046.

Continued groundwater monitoring, as revised in GEC's December 2009 Annual

Monitoring Report, is needed to confirm the effectiveness of the remedial actions; while SVOCs are degrading naturally, total chromium, copper and nickel persist at low levels according to analytical data.

The current remedy has significantly improved water quality. GEC will continue to monitor its effectiveness due to the rebounding of metal concentrations in a few select monitoring wells. If concentrations continue to rise in these monitoring wells GEC will recommend further action at that time.

PRR Submittal Schedule

The frequency of PRR submittals is not expected to change. The next PRR will be due 12 months from the submittal deadline of this report, or June 30, 2014. The frequency of sampling events and Site inspections will continue to be semi-annual (twice yearly) and the frequency of PRR submittals will be annually.

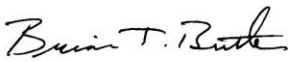
7.0 WARRANTY

The conclusions and recommendations contained in this report are based on the information available to GEC as of the date of this document. The conclusions and recommendations may require revision if future regulatory changes occur. GEC provides no warranties on information provided by third parties and contained herein. Data compiled was in accordance with GEC's existing procedures and consistent with the NYSDEC regulations, and should not be construed beyond its limitations. Any interpretations or use of this report other than those expressed herein are not warranted.

The use, partial use, or duplication of this report without the written consent of Goldman Environmental Consultants, Inc., and the Linzer Corporation is strictly prohibited.

Respectfully submitted,

Goldman Environmental Consultants, Inc.

Prepared By:	Approved By:
	
Michael Bradley Environmental Scientist	Brian T. Butler, PG Senior Vice President, Operations

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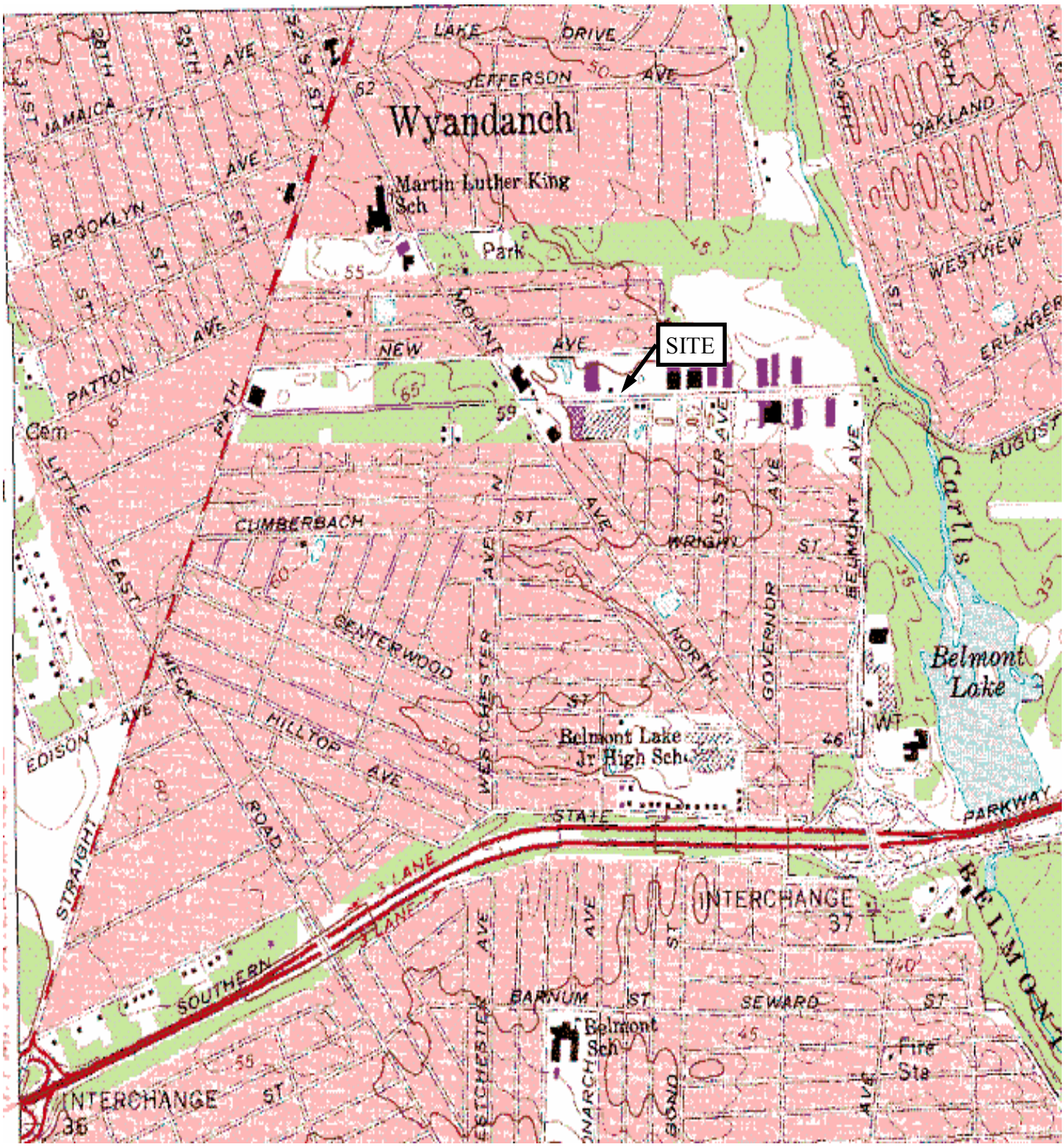
FIGURES



USGS 7.5 Minute Topographic

Bay Shore
NewYork, Quadrangle

Goldman Environmental Consultants, Inc.
60 Brooks Drive
Braintree, MA 02184
(781)356-9140 Fax: (781)356-9147
www.goldmanenvironmental.com

SITE LOCUS

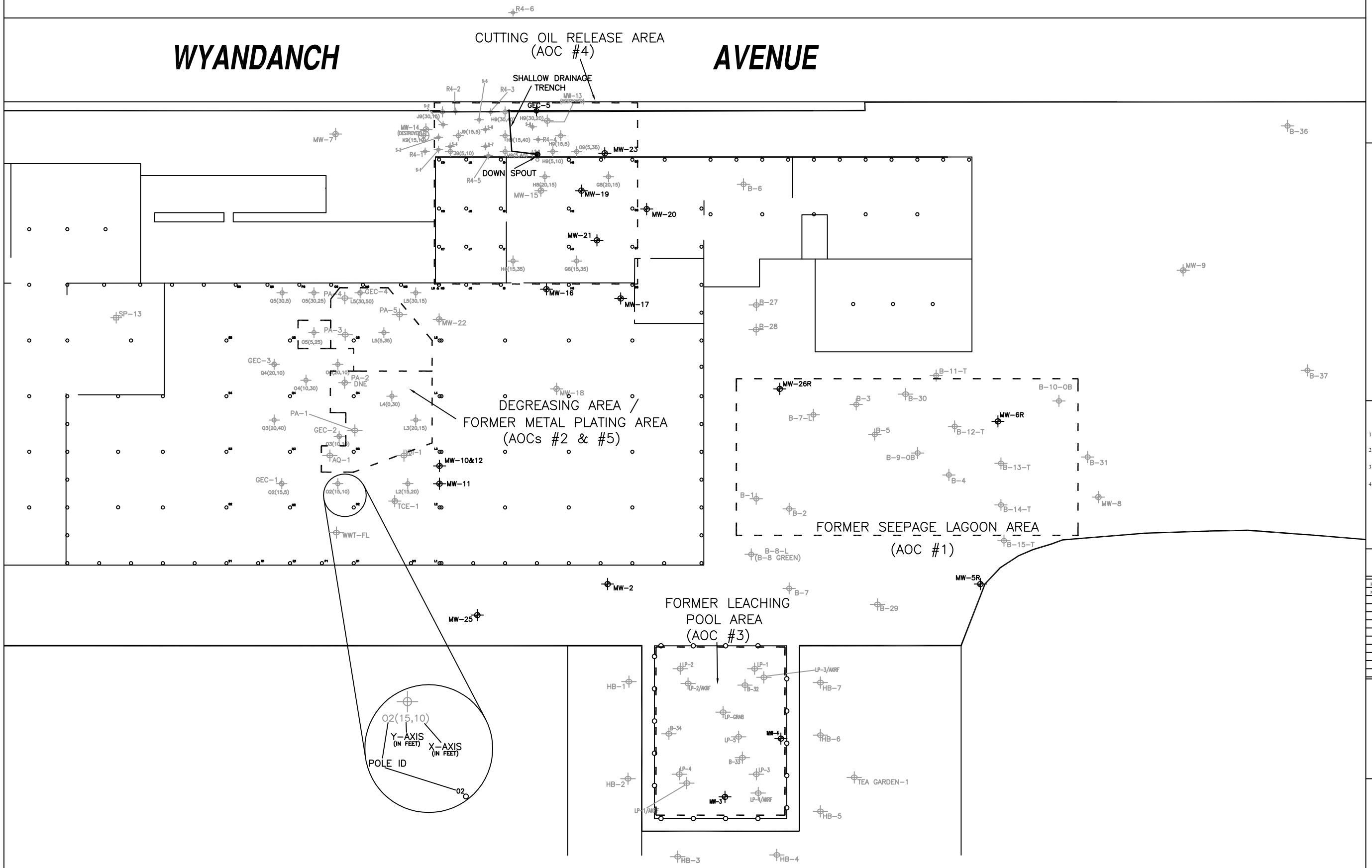
248 Wyandanch Avenue
Wyandanch, New York

GEC Project #: 444-5010

Figure 1

Scale
1 : 25,000

N



GEC

Goldman Environmental Consultants, Inc.
60 Brooks Drive
Braintree, MA 02184
(781) 356-9140 Fax: (781) 356-9147
www.GoldmanEnvironmental.com

Legend

- Site Boundary
- Areas of Concern
- Monitoring Well
- Boring Location
- Support Column

Special Notes

1.) This drawing is a graphical representation only and should not be used as a survey.

2.) Basemap taken from Suffolk County Tax Map Dist. 100 Sect. 82 Block 2 Lot 73.1.

3.) Support Columns based on plan by John Schimenti P.C. Architect, A.I.A. number 8864, A1, dated 1-12-99.

4.) MW-10 Deep well (97') next to MW-12 shallow well (15').

Revisions

Date	Revisions	By	Appr.
February 27, 2004	Update of Engineer'd Block	JRF	BTB
March 30, 2011	Addition of Drainage Trench	JRF	BTB

Scale

0 50' 100'

1 : 30'

Site Plan of Remediation Areas & Sample Locations

at

Former Jameco Facility
248 Wyandanch Avenue
Wyandanch, New York

Watts
GEC Project Number 444-408H

N W E S

2

Figure No.

TABLES

Table 1
Groundwater Monitoring Plan
248 Wyandanch, Ave
West Babylon, New York

Monitoring Well	Asscociated AOC	Chromium, Copper, Nickel (6010B)	Nickel (6010B)	Semi-VOCs (8270C)
MW-2	AOC-2		X	
MW-3	AOC-3		X	
MW-4	AOC-3		X	
MW-5R	AOC-1		X	
MW-10	AOC-2 and 5	X		
MW-12	AOC-2 and 5	X		
MW-19	AOC-4			X
MW-20	AOC-4			X
MW-21	AOC-4			X
MW-23	AOC-4			X
MW-26R	AOC-1 and 4	X		
MS		X		X
MS-DUP		X		X
Total		5	4	6

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
248 Wyandanch Avenue, Wyandanch, New York
(unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Acenaphthene	SQL	Anthracene	SQL	Benzo (a) anthracene	SQL	Benzyl alcohol	SQL	4-Chloroaniline	SQL	Chrysene	SQL	1,4-Dichlorobenzene	SQL	3,3-Dichloro benzidine	SQL	2,4-Dichlorophenol	SQL	Di-n-butyl phthalate	SQL	Diethyl phthalate	SQL
MW-3	1/25/2007	8270	ND	10	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
(AOC #3)	12/4/2007***	well not sampled, destroyed during soil excavation					- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	4/16/2008***	Well destroyed during soil remediation, to be replaced.					- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND		ND	0.02			ND		NA	- - -	ND	0.02	NS	
	9/28/2009***	8270C	ND	0.93	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
MW-4	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
(AOC #3)	4/16/2008***	Well destroyed during soil remediation, to be replaced.					- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
MW-5R	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
(AOC #1)	4/6/2006	8270	ND	0.30	ND	0.20	ND	0.05	ND		ND		ND	0.20			ND		ND	1	ND	0.20		
	1/29/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		13	5	ND	5		
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND		ND	0.02			ND		NA	- - -	ND	0.02	NS	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND		ND		ND	1.06			ND		ND	1.09	ND	1.06	ND	1.19
MW-10	1/24/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
(AOC # 2/5)	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/11/2008***	Sample container broken in transit to laboratory					- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.07	ND	0.88	ND	1.08	ND		ND		ND	1.00			ND		ND	1.03	ND	1.00	1.23	1.13
MW-11	1/29/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
(AOC # 2/5)	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND		ND	0.02			ND		NA	- - -	ND	0.02	NS	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
MW-12	1/24/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
(AOC # 2/5)	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND		ND	0.02			ND		NA	- - -	ND	0.02	NS	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND		ND		ND	1.06			ND		ND	1.09	ND	1.06	ND	1.19
MW-16	4/6/1999	8270	ND	10	ND	10	ND	10	ND		ND		ND	10			ND		ND	10	ND	10		
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.05	ND		ND		ND	0.2			ND		ND	1	ND	0.2		
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/11/2008***	Sample container broken in transit to laboratory					- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
Standard and Guidance Values			20**		50**		0.0020**		5.0**		5.0**		0.0020**				5.0**		50**		50		NV	

Notes:
1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).
2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the data of laboratory analysis.
3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL

SQL= Sample Quantitation Limit
‡= The method blank associated with these samples contained Naphthalene at 5.43 ug/L, 2-Methylnaphthalene at 5.57 ug/L, Di-n-butylphthalate at 82.7 ug/L and bis(2-ethylhexyl)phthalate at 5.82 ug/l.

ND= Not Detected above SQL
NV= No standard or guidance value available as of June 1998 revision.
**= Refers to a Guidance value where no Standard exists
J= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.
*** = Samples collected after completion of remedial action.
8270= USEPA Method 8270
GEC-5 ` = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 6/25/2013

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
248 Wyandanch Avenue, Wyandanch, New York
(unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Fluoranthene	SQL	Fluorene	SQL	2-Methyl naphthalene	SQL	Naphthalene	SQL	3-Nitroaniline	SQL	4-Nitroaniline	SQL	Phenanthrene	SQL	Pyrene	SQL	Pyridine	SQL	bis (2-Ethylhexyl) phthalate	SQL
MW-3	1/25/2007	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC #3)	12/4/2007***	well not sampl	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	4/16/2008***	Well destroyed	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	0.5
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.0	ND		ND	1.0
MW-4	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC #3)	4/16/2008***	Well destroyed	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
MW-5R	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC #1)	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	1
	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND		ND		ND	1.00	ND	1.12	ND		ND	1.12
MW-10	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC # 2/5)	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	Sample contair	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.91	ND	0.96	ND	0.86	ND	0.92	ND		ND		ND	0.95	ND	1.06	ND		ND	1.06
MW-11	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC # 2/5)	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
MW-12	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC # 2/5)	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND		ND		ND	1.00	ND	1.12	ND		ND	1.12
MW-16	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	1
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	Sample contair	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
Standard and Guidance Values			50**		50**		NV		10**		5.0**		5.0**		50**		50**		50**		5.0	

Notes: 1) Ambient Water Quality Standar
State and Technical Operational
Groundwater, developed in supp
2) Analytical data for method blan
batch. Dates provided for meth
3) Phenol was detected in sample
results is less than RL but greate
SQL= Sample Quantitation Limit
‡= The method blank associated w
2-Methylnaphthalene at 5.57 u

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 6/25/2013

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SUMMARY OF GROUNDWATER ANALYTICAL DATA:
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
248 Wyandanch Avenue, Wyandanch, New York
(unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Acenaphthene	SQL	Anthracene	SQL	Benzo (a) anthracene	SQL	Benzyl alcohol	SQL	4-Chloroaniline	SQL	Chrysene	SQL	1,4-Dichlorobenzene	SQL	3,3-Dichloro benzidine	SQL	2,4-Dichlorophenol	SQL	Di-n-butyl phthalate	SQL	Diethyl phthalate	SQL
MW-17	4/6/1999	8270	ND	10	ND	10	ND	10	ND		ND		ND	10			ND		ND	10	ND	10		
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/11/2008***	Sample container broken in transit to laboratory					- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
MW-19	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	ND	1.07
(AOC #4)	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	76.6‡	0.97	ND	1.07
MW-20	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.05	ND		ND		ND	0.2			ND		ND	1	ND			
(AOC #4)	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND			
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND		ND	5
	9/11/2008***	Well was not sampled.			- - -		- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	ND	1.07
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	1.17	1.07
	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	ND	1.07
	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	75.4‡	0.97	ND	1.07
	9/21/2011***	8270C	ND	1.13	ND	0.93	ND	1.14	ND	0.53	ND	0.52	ND	1.06			ND	0.76	ND	1.09	ND	1.08	ND	1.19
	4/2/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95			ND	0.68	ND	0.98	ND	0.97	ND	1.07
	9/18/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95			ND	0.68	ND	0.98	ND	0.97	ND	1.07
	3/27/2013***	8270C	ND	0.77	ND	0.88	ND	0.96	ND	0.41	ND	0.42	ND	1.00	1.17	J 0.73	ND	1.33	ND	0.72	ND	1.08	ND	1.00
MW-21	4/6/1999	8270	ND	10	ND	10	ND	10	ND		ND		ND	10			ND		ND	10	ND			
(ACO #4)	4/6/2006	8270	ND	0.29	ND	0.19	ND	0	ND		ND		ND	0			ND		ND	1	ND			
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND			
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND		ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND		ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND		**0.03**	0.02			ND		NA	- - -	ND		NS	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	ND	1.07
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	ND	1.02
	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	ND	1.02
	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	70.1‡	0.97	ND	1.07
Note 4	9/21/2011***	8270C	ND	1.13	ND	0.93	ND	1.14	**5.31**	0.53	**21.80**	0.52	ND	1.06			2.18	0.76	ND	1.09	ND	1.08	ND	1.19
	4/2/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95			ND	0.68	ND	0.98	ND	0.97	ND	1.07
	9/18/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95			ND	0.68	ND	0.98	ND	0.97	ND	1.07
	3/27/2013***	8270C	ND	0.77	ND	0.88	ND	0.96	ND	0.41	ND	0.42	ND	1.00	ND	0.73	ND	1.33	ND	0.72	ND	1.08	ND	1.00
MW-23	4/6/1999	8270	ND	10	ND	10	ND	10	ND		ND		ND	10			ND		ND	10	ND			
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND			
	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.5	ND		ND		ND	0.2			ND		ND	1	ND			
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND			
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND		ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND		ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND		**0.02**	0.02			ND		NA	- - -	ND		NS	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	ND	1.07
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	1.23	1.07
	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.97	1.23	1.07
	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	80.3‡	0.97	ND	1.07
	9/21/2011***	8270C	ND	1.13	ND	0.93	ND	1.14	ND	0.53	ND	0.52	ND	1.06			ND	0.76	ND	1.09	ND	1.08	ND	1.19
	4/2/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95			ND	0.68	ND	0.98	ND	0.97	ND	1.07
	9/18/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95			ND	0.68	ND	0.98	ND	0.97	ND	1.07
	3/27/2013***	8270C	ND	0.77	ND	0.88	ND	0.96	ND	0.41	ND	0.42	ND	1.00	ND	0.73	ND	1.33	ND	0.72	ND	1.08	ND	1.00
MW-26R	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
(AOC #1)	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.05	ND		ND		ND	0.2			ND		ND	1	ND	0.2		
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
	12/4/2007***	8270	ND	10	ND	10	ND	10	ND		ND		ND	10			ND		ND	10	ND	10	ND	10
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/10/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND		ND	0.02			ND		NA	- - -	ND	0.02	NS	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND		ND		ND	1.06			ND		ND	1.09	ND	1.06	ND	1.19
GEC-5[+]	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5		
(AOC #4)	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.05	ND		ND		ND	0.2			ND		ND	1	ND	0.2		
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5			ND		ND	5	ND	5	ND	5
	9/11/2008***	Sample container broken in transit to laboratory					- - -		ND		ND		- - -				ND		- - -		- - -		- - -	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND		ND	0.95			ND		ND	0.98	ND	0.95	ND	1.07
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND		ND		ND	1.06			ND		ND	1.09	ND	1.06	ND	1.19
Standard and Guidance Values			20**		50**		0.0020**		5.0**		5.0**		0.0020**		5.0		5.0**		50**		50		NV	

Notes:
1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).
2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the data of laboratory analysis.
3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL
4) Detections are likely a result of using spray paint to label wells during sampling on 9/21/11
5

SQL= Sample Quantitation Limit

GEC-5[+] = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

ND= Not Detected above SQL
NV= No standard or guidance value available as of June 1998 revision.
**= Refers to a Guidance value where no Standard exists
J= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.
*** = Samples collected after completion of remedial action.
NT= Not Tested

8270= USEPA Method 8270

‡= The method blank associated with these samples contained Naphthalene at 5.43 ug/L, 2-Methylnaphthalene at 5.57 ug/L, Di-n-butylphthalate at 82.7 ug/L and bis(2-ethylhexyl)phthalate at 5.82 ug/l.

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 6/25/2013

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
248 Wyandanch Avenue, Wyandanch, New York
(unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Fluoranthene	SQL	Fluorene	SQL	2-Methyl naphthalene	SQL	Naphthalene	SQL	3-Nitroaniline	SQL	4-Nitroaniline	SQL	Phenanthrene	SQL	Pyrene	SQL	Pyridine	SQL	bis (2-Ethylhexyl) phthalate	SQL
MW-17	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	Sample contair	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.86	ND	0.81	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
MW-19	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
(AOC #4)	3/23/2011***	8270C	ND	0.86	ND	0.91	5.22‡	0.82	4.09‡	1	ND		ND		ND	0.90	ND	1.01	ND		**5.75‡**	1.44
MW-20	4/6/2006	8270	ND	0.50	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	
(AOC #4)	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	9/11/2008***	Well was not	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/23/2011***	8270C	ND	0.86	ND	0.91	5.54‡	0.82	4.94‡	0.87	ND		ND		ND	0.90	ND	1.01	ND		**5.61‡**	1.44
	9/21/2011***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND	0.67	ND	1.19	ND	1.00	ND	1.12	ND	0.41	ND	1.60
	4/2/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
	9/18/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
	3/27/2013***	8270C	ND	0.96	ND	0.82	ND	0.74	ND	0.78	ND	0.34	ND	0.52	ND	0.95	ND	0.85	ND	0.37	ND	1.26
MW-21	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	
(ACO #4)	4/6/2006	8270	ND	0	ND	0.95	ND	1	ND	1	ND		ND		ND	0	ND	1	ND		ND	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/23/2011***	8270C	ND	0.86	ND	0.91	5‡	0.82	3.41‡	0.87	ND		ND		ND	0.90	ND	1.01	ND		**5.57‡**	1.44
Note 4	9/21/2011***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	**15.10**	0.67	2.65	1.19	ND	1.00	ND	1.12	8.47	0.41	2.58	1.60
	4/2/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
	9/18/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
	3/27/2013***	8270C	ND	0.96	ND	0.82	ND	0.74	ND	0.78	ND	0.34	ND	0.52	ND	0.95	ND	0.85	ND	0.37	ND	1.26
MW-23	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/23/2011***	8270C	ND	0.86	ND	0.91	5.04‡	0.82	3.65‡	0.87	ND		ND		ND	0.90	ND	1.01	ND		**5.76‡**	1.44
	9/21/2011***	8270C	ND	0.96	ND	1.01	0.96	J 0.91	1.37	BJ 0.97	ND	0.67	ND	1.19	ND	1.00	ND	1.12	ND	0.41	2.19	J 1.60
	4/2/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
	9/18/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
	3/27/2013***	8270C	ND	0.96	ND	0.82	ND	0.74	ND	0.78	ND	0.34	ND	0.52	ND	0.95	ND	0.85	ND	0.37	ND	1.26
MW-26R	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC #1)	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	1
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	12/4/2007***	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/10/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND		ND		ND	1.00	ND	1.12	ND		ND	1.12
GEC-5+	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
(AOC #4)	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	1
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	Sample contair	- - -		- - -		- - -		- - -		ND		ND		- - -		- - -		ND		- - -	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
	9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND		ND		ND	1.00	ND	1.12	ND		ND	1.12
Standard and Guidance Values			50**		50**		NV		10**		5.0**		5.0**		50**		50**		50**		5.0	

Notes:
1) Ambient Water Quality Standar
State and Technical Operational
Groundwater, developed in supp
2) Analytical data for method blan
batch. Dates provided for meth
3) Phenol was detected in sample
results is less than RL but greate
4) Detections are likely a result of
5

SQL= Sample Quantitation Limit

GEC-5+ = Replaces MW-7 in groundwater

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 6/25/2013

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
TOTAL METALS
248 Wyandanch Avenue
Wyandanch, New York
(unit, parts per million [ppm], mg/L)

Sample Identification	Sample Date	Analytical Method	Total Chromium	SQL	Copper	SQL	Nickel	SQL	Zinc	SQL
MW-2	5/23/1994	NG	**9.12**	--	**3.16**	- -	**4.49**	- -	0.747	- -
(AOC #2/5)	1/27/1995	NG	**4**	--	**3.8**	- -	**5.7**	- -	0.70	- -
	11/18/1998	3010/6010	NS	--	**0.231**	- -	**10.6**	- -	0.263 *	- -
	11/15/2000	NG	**0.2560**	--	NA	--	NA		NA	--
	12/11/2002	6010/7470/7196	**0.389**	--	**0.292**	0.010	**1.4**	0.010	0.048 B	0.05
	12/15/2003	200.7/6010	ND	--	0.0197	0.0005	NA	- -	0.015	0.01
	4/5/2006	6010	0.017	0.005	0.0623	0.005	NA	- -	0.042	0.01
	4/5/2006	6010	0.010	0.005	NA	- -	NA	- -	NA	- -
	1/24/2007***	6010B	ND	0.010	0.088	0.025	**0.44**	0.04	ND	0.2
	12/4/2007***	200.7	ND	0.05	ND	0.05	**0.30**	0.05	ND	0.05
	4/16/2008***	200.7	ND	0.05	ND	0.05	**0.30**	0.05	ND	0.05
	9/10/2008***	200.7	ND	0.001	0.024	0.001	**0.202**	0.001	0.119	0.002
	3/30/2009***	6010/200.7	ND	0.0016	ND	0.0029	**0.1500**	0.0005	0.040	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	ND	0.0026	**0.1400**	0.0005	0.0044	0.0044
	3/24/2010***	6010/200.7	NA		NA		**0.1300**	0.0017	NA	
	3/23/2011***	6010/200.7	NA	- -	NA	- -	**0.29000**	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA		NA		**0.1700**	0.00072	NA	
	4/2/2012***	6010/200.7	NA		NA		**0.2400**	0.0014	NA	
	9/18/2012***	6010/200.7	NA		NA		0.0940	0.0014	NA	
	3/27/2013***	6010/200.7	NA		NA		**0.2600**	0.0014	NA	
MW-3	5/23/1994	NG	**0.139**	--	**0.597**	- -	**1.75**	- -	0.109	- -
(AOC #3)	1/27/1995	NG	**0.320**	--	**4.5**	- -	**3.5**	- -	0.68	- -
	11/17/1998	3010/6010	NA	--	0.13	- -	**0.195**	- -	0.0492 *	- -
	12/11/2002	6010/7470/7196	**0.203**	--	**0.30**	0.010	**1.39**	0.010	0.0956	0.05
	12/16/2003	200.7/6010	**0.056**	--	0.0837	0.0005	NA	- -	0.071	0.01
	1/24/2007	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2
	12/4/2007***	Well not sampled, destroyed during remediation					- -	- -	- -	- -
	4/16/2008***	Well destroyed during soil remediation, to be replaced.				- -	- -	- -	- -	- -
	9/10/2008***	200.7	0.050	0.001	0.094	0.001	**0.225**	0.001	0.053	0.002
	3/30/2009***	6010/200.7	ND	0.0016	0.0660	0.0029	**0.130**	0.0005	0.045	0.0044
	9/28/2009***	6010/200.7	0.0130	0.0016	0.0710	0.0029	**0.1200**	0.0005	0.030	0.0044
	3/24/2010***	6010/200.7	NA		NA		0.0640	0.0017	NA	
	3/23/2011***	6010/200.7	NA	- -	NA	- -	0.07400	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA		NA		0.09100	0.00072	NA	
	4/2/2012***	6010/200.7	NA		NA		**0.1100**	0.0014	NA	
	9/18/2012	6010/200.7	NA		NA		0.0650	0.0014	NA	
	3/27/2013***	6010/200.7	NA		NA		0.0740	0.0014	NA	
MW-4	12/11/2002	6010/7470/7196	0.049	--	0.102	0.010	**2.1**	0.010	0.0561	0.05
(AOC #3)	12/16/2003	200.7/6010	0.010	--	0.0769	0.0005	NA	- -	0.151	0.01
	4/6/2006	6010	**0.160**	0.005	0.1040	0.005	NA	- -	0.181	0.01
	4/6/2006	6010	**0.150**	0.005	NA	- -	NA	- -	NA	- -
	1/24/2007	6010B	**0.19**	0.01	0.14	0.025	**2.2**	0.04	0.3	0.2
	12/4/2007***	200.7	**0.08**	0.05	0.14	0.05	**1.65**	0.05	0.26	0.05
	4/16/2008***	Well destroyed during soil remediation, to be replaced.								
	9/10/2008***	200.7	0.035	0.001	0.048	0.001	**1.11**	0.001	0.124	0.002
	3/30/2009***	6010/200.7	0.017	0.0016	ND	0.0029	**0.620**	0.0005	0.1300	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	0.0410	0.0029	**0.440**	0.0005	0.0820	0.0044
	3/24/2010***	6010/200.7	NA		NA		**0.500**	0.0017	NA	
	3/23/2011***	6010/200.7	NA	- -	NA	- -	**0.65000**	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA		NA		**0.92000**	0.00072	NA	
	4/2/2012***	6010/200.7	NA		NA		**0.3100**	0.0014	NA	
	9/18/2013***	6010/200.7	NA		NA		**0.4100**	0.0014		
	3/27/2013***	6010/200.7	NA		NA		**0.3700**	0.0014	NA	
MW-5R	12/16/2003	200.7/6010	ND	--	0.0419	0.0005	NA	- -	0.090	0.005
(AOC #1)	4/6/2006	6010	0.009	0.005	0.1260	0.005	NA	- -	0.1020	0.0100
	4/6/2006	6010	0.007	0.005	NA	- -	NA	- -	NA	- -
	1/25/2007***	6010B	ND	0.01	**1.4**	0.025	**0.14**	0.04	ND	0.2
	12/4/2007***	200.7	ND	0.05	ND	0.05	**0.19**	0.05	0.21	0.05
	4/16/2008***	200.7	ND	0.05	ND	0.05	**1.61**	0.05	0.85	0.05
	9/10/2008***	200.7	0.0009 B	0.001	0.008	0.001	0.070	0.001	0.089	0.002
	3/30/2009***	6010/200.7	0.0170	0.0016	ND	0.0029	**0.2000**	0.0005	0.1300	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	ND	0.0029	**0.1600**	0.0005	0.0700	0.0044
	3/24/2010***	6010/200.7	NA		NA		**0.1700**	0.0017	NA	
	3/23/2011***	6010/200.7	NA	- -	NA	- -	**1.1800**	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA		NA		ND	0.00072	NA	
	4/2/2012***	6010/200.7	NA		NA		**0.2200**	0.0014	NA	
	9/18/2012***	6010/200.7	NA		NA		**0.2000**	0.0014	NA	
	3/27/2013***	6010/200.7	NA		NA		**4.950**	0.0014	NA	
MW-6R	12/16/2003	200.7/6010	ND	--	0.0076	0.0005	NA	- -	0.106	0.005
(AOC #1)	4/6/2006	6010	0.043	0.005	0.0329	0.005	NA	- -	0.053	0.010
	4/6/2006	6010	0.023	0.005	NA	- -	NA	- -	NA	- -
	1/24/2007***	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2
	12/4/2007***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	0.05	0.05
	9/10/2008***	200.7	ND	0.001	0.005	0.001	0.014	0.001	0.018	0.002
	3/30/2009***	6010/200.7	0.0079	0.0016	ND	0.0029	0.0320	0.0005	0.063	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	ND	0.0029	ND	0.0005	0.017	0.0044
NYSDEC Class GA Groundwater Standard			0.05		0.2		0.1		2.0	

Notes:
NS= Not Sampled
SQL= Sample Quantitation Limit
NA= Not Analyzed
ND= Not detected above SQL
NG = Analytical Method not provided by previous consultant
Methods = Standard USEPA Methods
GEC-5^{+} = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

B= Analyte is found in the blanks as well as the sample.
*** = Sample collected after completion of remedial actions
- - = Sample quantitation limits not provided or not available.
E= Detected concentration exceeds calibration curve range.
T= Analysis by EcoTest due to short holding time
*= Duplicate analysis not within control limit.
Bold= Exceeds Standard

Prepared By: RK
Reviewed By: BTB
Revised: 6/25/2013

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
TOTAL METALS
248 Wyandanch Avenue
Wyandanch, New York
(unit, parts per million [ppm], mg/L)

Sample Identification	Sample Date	Analytical Method	Total Chromium	SQL	Copper	SQL	Nickel	SQL	Zinc	SQL
MW-10	1/24/2007***	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2
(AOC #2/5)	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	9/10/2008***	200.7	0.030	0.001	0.017	0.001	0.011	0.001	0.022	0.002
	3/30/2009***	6010/200.7	**0.11**	0.0016	ND	0.0029	**0.12**	0.0005	0.16	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	0.037	0.0029	ND	0.0005	0.018	0.0044
	3/24/2010***	6010/200.7	0.008	0.0010	0.013	0.0031	0.0096	0.0017	NA	
	3/23/2011***	6010/200.7	ND	0.0016	ND	0.0029	0.017	0.00072	NA	- -
	9/26/2011***	6010/200.7	0.0062	0.0016	0.0091	0.0029	0.0046	0.00072	NA	
	4/2/2012***	6010/200.7	0.0240	0.0012	0.0210	0.0034	0.0088	0.0014	NA	
	9/18/2012***	6010/200.7	**0.2600**	0.0012	**0.4900**	0.0034	0.0690	0.0014	NA	
	3/27/2013***	6010/200.7	0.0180	0.0012	0.0100	0.0034	0.0120	0.0014	NA	
MW-11	7/6/1994	NG	**0.08**	--	**0.22**	- -	0.07	- -	0.23	- -
(AOC #2/5)	11/17/1998	3010/6010	NS #	--	0.0105 B	- -	ND	0.0060	ND *	0.017
	12/15/2003	200.7/6010	0.015	--	0.0071	0.00050	NA	- -	0.014	0.005
	4/5/2006	6010	**0.620**	0.005	0.0592	0.00500	NA	- -	0.030	0.010
	4/5/2006	6010	**0.420**	0.005	NA	- -	NA	- -	NA	- -
	1/25/2007***	6010B	0.04	0.01	ND	0.025	ND	0.04	ND	0.2
	12/4/2007***	200.7	**0.14**	0.05	ND	0.05	ND	0.05	ND	0.05
	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	9/10/2008***	200.7	0.032	0.001	0.011	0.001	0.0040	0.001	0.0090	0.002
	3/30/2009***	6010/200.7	0.0440	0.0016	ND	0.0029	0.0380	0.0005	0.0560	0.0044
	9/28/2009***	6010/200.7	0.0200	0.0016	ND	0.0029	ND	0.0005	ND	0.0044
MW-12	5/23/1994	NG	NS	--	NS	- -	NS	- -	NS	- -
(AOC #2/5)	7/6/1994	NG	ND	--	ND	- -	ND	- -	0.06	- -
	1/27/1995	NG	**18.00**	--	**21**	- -	**21**	- -	**5.60**	- -
	11/17/1998	3010/6010	NS	--	**5.31**	- -	**7.07**	- -	0.859 *	- -
	12/15/2003	200.7/6010	0.007	--	**0.5300**	0.0005	NA	- -	0.289	0.005
	4/5/2006	6010	0.047	0.005	0.0224	0.005	NA	- -	0.059	0.010
	4/5/2006	6010	0.040	0.005	NA	- -	NA	- -	NA	- -
	1/25/2007***	6010B	ND	0.01	**0.44**	0.025	**0.29**	0.04	ND	0.2
	4/16/2008***	200.7	ND	0.05	0.13	0.05	0.09	0.05	ND	0.05
	9/10/2008***	200.7	ND	0.001	0.079	0.001	0.073	0.001	0.022	0.002
	3/30/2009***	6010/200.7	ND	0.002	**0.200**	0.003	**0.24**	0.0005	0.11	0.004
	9/28/2009***	6010/200.7	ND	0.0016	0.1600	0.0029	0.085	0.0005	0.086	0.0044
	3/23/2011***	6010/200.7	0.0140	0.0016	**0.2200**	0.0029	**0.20000**	0.00072	NA	- -
	9/21/2011***	6010/200.7	0.0260	0.0016	**0.4300**	0.0029	**0.71000**	0.00072	NA	
	4/2/2012***	6010/200.7	0.0450	0.0012	**0.8300**	0.0034	**1.730**	0.0014	NA	
	9/18/2012***	6010/200.7	0.0130	0.0012	**0.6000**	0.0034	**0.4200**	0.0014	NA	
	3/27/2013***	6010/200.7	0.0230	0.0012	**0.3200**	0.0034	**0.9900**	0.0014	NA	
MW-26R	12/15/2003	200.7/601	ND	--	0.0018	0.00050	NA	- -	0.019	0.005
(AOC #1 and 4)	4/6/2006	3010/6010	0.018	0.005	0.040	0.01	NA	- -	0.0740	0.010
	4/6/2006	6010	0.017	0.005	NA	- -	NA	- -	NA	- -
	1/24/2007***	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2
	12/4/2007***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	9/10/2008***	200.7	ND	0.001	0.005	0.001	ND	0.001	0.006	0.002
	3/30/2009***	6010/200.7	**0.0950**	0.0016	ND	0.0029	**0.1200**	0.0005	0.1700	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	0.038	0.0029	ND	0.0005	0.0087	0.0044
	3/24/2010***	6010/200.7	0.0048	0.0010	0.0720	0.0031	0.0061	0.0017	NA	
	3/23/2011***	6010/200.7	ND	0.0016	0.0600	0.0029	0.0062	0.0007	NA	- -
	9/21/2011***	6010/200.7	ND U	0.0016	0.0053	0.0029	ND U	0.00072	NA	
	4/2/2012***	6010/200.7	0.0025	0.0012	0.0200	0.0034	0.0019	0.0014	NA	
	9/18/2012***	6010/200.7	0.0014	0.0012	**0.6000**	0.0034	**0.4200**	0.0014	NA	
	3/27/2013***	6010/200.7	**0.3500**	0.0020	**0.7000**	0.0056	**0.8000**	0.0024	NA	
GEC-5	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
(AOC #4)	9/10/2008***	200.7	ND	0.001	0.0008 B	0.001	ND	0.001	0.003	0.002
	3/30/2009***	6010/200.7	ND	0.0016	ND	0.003	ND	0.0005	0.0170	0.0044
	9/29/2009***	6010/200.7	ND	0.0016	ND	0.0029	ND	0.0005	ND	0.0044
NYSDEC Class GA Groundwater Standard			0.05		0.2		0.1		2.0	

Notes:
NS= Not Sampled
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*** = Sample collected after completion of remedial actions
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E= Detected concentration exceeds calibration curve range.
T= Analysis by EcoTest due to short holding time
*= Duplicate analysis not within control limit.
Bold= Exceeds Standard

Attachment 1:

Periodic Review Report Certification Statement and IC/EC Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **152006**

Site Name Jameco Industries, Inc.

Site Address: 248 Wyandanch Avenue Zip Code: 11798
City/Town: Wyandanch
County: Suffolk
Site Acreage: 9.4

Reporting Period: May 31, 2012 to May 31, 2013

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☑	☐
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 152006 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
82-2-37.6	Linzer Products Corp.	Site Management Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan O&M Plan IC/EC Plan

An environmental easement is in place which restricts land use, restricts the use of on-site groundwater and provides for the implementation of the Department approved site management plan.

82-2-73.1	Linzer Products Corp.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

An environmental easement is in place which restricts land use, restricts the use of on-site groundwater and provides for the implementation of the Department approved site management plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
82-2-37.6	Cover System Fencing/Access Control

Subsurface soils which were contaminated with metals from discharges of plating solutions were excavated and disposed of off-site at a permitted disposal facility. Those areas were backfilled with certified clean fill material. Residual metals in subsurface soil were treated in-situ via solidification/stabilization. Residual SVOCs in soil and groundwater were treated in-situ via chemical oxidation. Access to the site is restricted by perimeter fencing.

82-2-73.1	Cover System Fencing/Access Control

Subsurface soils which were contaminated with metals from discharges of plating solutions were excavated and disposed of off-site at a permitted disposal facility. Those areas were backfilled with certified clean fill material. Residual metals in subsurface soil were treated in-situ via solidification/stabilization. Residual SVOCs in soil and groundwater were treated in-situ via chemical oxidation. Access to the site is restricted by perimeter fencing.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. 152006

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

Leonard Zichlin
Leonard Zichlin
I _____ at 248 Wyandanch Ave, West Babylon, NY
248 Wyandanch Ave, West Babylon, NY
print name print business address

Owner
am certifying as Owner, Controller of Linzer Products Corp. (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Leonard Zichlin
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

6/28/13
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Mathew E. Hackman (print name) at 97 Asylum Road, Warwick, RI, 02886 (print business address),

am certifying as a Professional Engineer for the Owner (Owner/Remedial Party)

STATE OF NEW YORK
MATTHEW E. HACKMAN
083710
LICENSED PROFESSIONAL ENGINEER

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

PE No. 083710 (Required)

26 JUNE 2013
JUNE 2013
Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Attachment 2:

Photographs and groundwater sampling logs for September 21, 2011and April 2, 2012 site visits and sampling events

Semi-annual Site Inspection
And Groundwater Sampling
Former Jameco Facility, Wyandanch, NY

Inspector 1: Mike Bradley **Dates on Site: 9-18-2012**
Inspector 2: **Start time: 1100 Finish time: 1830**

Condition and inventory of laboratory provided coolers, containers, labels and COCs:
Good

Groundwater Sampling

Well #	GEC Inspector	Start Flow	Collect Sample	Sample Parameters	Comment / Observations
MW-2	**MB**	**1149**	**1225**	**Ni**	**No Odor or Sheen/ Clear**
MW-3	**MB**	**1123**	**1155**	**Ni**	**No Odor or Sheen/ Clear**
MW-4	**MB**	**1113**	**1140**	**Ni**	**No Odor or Sheen/ Clear**
MW-5R	**MB**	**1233**	**1307**	**Ni**	**No Odor or Sheen/ Clear**
MW-6R					**Not in Scope**
MW-10	**MB**	**1643**	**1730**	**Cr, Cu, Ni**	**Very Turbid/No Odor**
MW-12	**MB**	**1632**	**1710**	**Cr, Cu, Ni**	**No Odor or Sheen/ Clear**
MW-16					**Not in Scope**
MW-17					**Not in Scope**
MW-19					**LNAPL Detected (no sample)**
MW-20	**MB**	**1502**	**1530**	**SVOCs**	**No Odor or Sheen/ Clear**
MW-21	**MB**	**1513**	**1540**	**SVOCs**	**Slight Hydrocarbon Odor/ No Sheen/ Clear**
MW-23	**MB**	**1350**	**1420**	**SVOCs**	**NA**
MW-26R	**MB**	**1242**	**1310**	**Cr, Zn, Ni**	**Clear/ No Odor**
GEC-5					**Not in Scope**
MS/MSD	**MB**	**1242**	**1310**	Metals	Well # **MW-26R**
MS/MSD	**MB**	**1350**	**1420**	SVOCs	Well # **MW-23**

Laboratory Shipment

Pick-up: Date: **9-19-2012** Time: **1342**
Shipper: Company _____ Date: _____ Time: _____
Laboratory : **Environmetal Quality Services (EQS)**
Laboratory Contact **Kathy Albenese**

Site Inspection

Each AOC to be inspected is briefly described below but GEC inspectors should refer to the Nelson & Pope survey plan of the Site for accurate AOC locations.

AOC-1, parking area east of loading dock
Date and time of inspection **9-18-2013 @ 1200**
Condition of surface integrity. **Good, No changes noted**

Any observed apparent subsurface work in AOC? **No**
If yes, describe.

Any work proposed or anticipated by plant personnel? **Not Currently in development**
Describe

AOCs-2&5, Plant interior enclosed by columns P6, L6K6, L2 and Q2
Date and time of inspection **9-18-2013 @1730**
Condition of surface integrity. **Good, Floor recently painted**

Any observed apparent subsurface work in AOC? **No**
If yes, describe.

Any work proposed or anticipated by plant personnel? **Not Currently in development**
Describe

AOC-4, Area of plant including stockroom and outside lawn out to sidewalk.
Date and time of inspection **9-18-2013 @ 1600**
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **None**

If yes, describe.

Any work proposed or anticipated by plant personnel? **Not Currently in development**
Describe

AOC-3, Square parcel extending south of south property line and enclosed by chainlink fence.
Date and time of inspection 9-18-2013 @ 1200
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **None**
If yes, describe.

Any work proposed or anticipated by plant personnel? **Not Currently in development**
Describe

Interviews:

Briefly discuss with knowledgeable plant personnel **(Len Zichlin** (comptroler, Joe DeAngelis (plant manager) and/ or Jevan). Describe below.

Subsurface construction or utility work: **None**

Exploration for or use of groundwater under property for process or potable purposes:
None

Anticipated subsurface work within soil or groundwater beneath Site property: **None**

Former Jameco Facility
Site Inspection Photos: 9-18-2012

Photo 1: (9-18-2012, 11:35) AOC 3 Looking northeast towards Site building and AOC 1

Photo 2: (9-18-2013 12:22) AOC 2 and 5 Looking at South side of Site Building. MW-2 is located by the orange bucket in background.

Former Jameco Facility
Site Inspection Photos: 9-18-2012

Photo 3: (9-18-2012, 12:22) View of AOC-1 looking from northeast corner of AOC-3

Semi-annual Site Inspection
And Groundwater Sampling
Former Jameco Facility, Wyandanch, NY

Inspector 1: Mike Bradley **Dates on Site: 3-27-2013**
Inspector 2: **Start time: 1110 Finish time: 1830**

Condition and inventory of laboratory provided coolers, containers, labels and COCs:
Good

Groundwater Sampling

Well #	GEC Inspector	Start Flow	Collect Sample	Sample Parameters	Comment / Observations
MW-2	**MB**	**1300**	**1340**	**Ni**	**Clear/ No Odor**
MW-3	**MB**	**1213**	**1250**	**Ni**	**Clear/ No Odor**
MW-4	**MB**	**1133**	**1205**	**Ni**	**Clear/ No Odor**
MW-5R	**MB**	**1154**	**1230**	**Ni**	**Clear/ No Odor**
MW-6R					**Not In Scope**
MW-10	**MB**	**1637**	**1722**	**Cr, Ni, Cu**	**Turbid/ No odor**
MW-12	**MB**	**1642**	**1720**	**Cr, Cu, Ni**	**Clear/ No Odor**
MW-16					**Not In Scope**
MW-17					**Not In Scope**
MW-19					**Not In Scope**
MW-20	**MB**	**1454**	**1530**	**8270C**	**No Sheen or Odor/ Clear**
MW-21	**MB**	**1425**	**1505**	**SVOCs**	**Clear/ No Odro**
MW-23	**MB**	**1350**	**1430**	**SVOCs**	**Clear/ No Odor**
MW-26R	**MB**	**1244**	**1320**	**Cu, Cr, Ni**	**Clear/ No Odor**
GEC-5					**Not In Scope**
MS/MSD	**MB**	**1244**	**1320**	Metals	Well # **MW26R**
MS/MSD	**MB**	**1425**	**1505**	SVOCs	Well # **MW-21**

Laboratory Shipment

Pick-up: Date: **3-28-2013** Time: **NA**
Shipper: Company _____ Date: _____ Time: _____
Laboratory : **Environmental Quality Services (EQS)**
Laboratory Contact **Kathy Albenese**

Site Inspection

Each AOC to be inspected is briefly described below but GEC inspectors should refer to the Nelson & Pope survey plan of the Site for accurate AOC locations.

AOC-1, parking area east of loading dock
Date and time of inspection **3-27-2013 @1730**
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **No**
If yes, describe.

Any work proposed or anticipated by plant personnel? **None Currently Planned**
Describe

AOCs-2&5, Plant interior enclosed by columns P6, L6K6, L2 and Q2
Date and time of inspection **3-27-2013 @1730**
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **No**
If yes, describe.

Any work proposed or anticipated by plant personnel? **None Currently Planned**
Describe

AOC-4, Area of plant including stockroom and outside lawn out to sidewalk.
Date and time of inspection **3-27-2013 @1730**
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **No**
If yes, describe.

Any work proposed or anticipated by plant personnel? **None Currently Planned**
Describe

AOC-3, Square parcel extending south of south property line and enclosed by chainlink fence.
Date and time of inspection **3-27-2013 @1730**
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **No**
If yes, describe.

Any work proposed or anticipated by plant personnel? **None Currently Planned**
Describe

Interviews:

Briefly discuss with knowledgeable plant personnel (Len Zichlin (comptroler, Joe DeAngelis (plant manager) and/ or Jevan). Describe below.

Subsurface construction or utility work: **None Currently Planned or had been conducted**

Exploration for or use of groundwater under property for process or potable purposes: **None Currently Planned or had been conducted**

Anticipated subsurface work within soil or groundwater beneath Site property: **None Currently Planned or had been conducted**

Former Jameco Facility
Site Inspection Photos: 3-27-2013

Photo 1: (3-27-2013, 14:35)–AOC 4 North Side of Site Building looking west along Wyandanch Ave from approximate location of MW-23.

Photo 2: (3-27-2013, 14:35)–AOC 4 North Side of Site Building looking east along Wyandanch Ave from approximate location of MW-23.

Former Jameco Facility
Site Inspection Photos: 3-27-2013

Photo 3: (3-27-2013, 15:43) AOC-4 Warehouse area of Site Building looking north towards exit to Wyandanch Avenue. Photo taken from west side of warehouse.

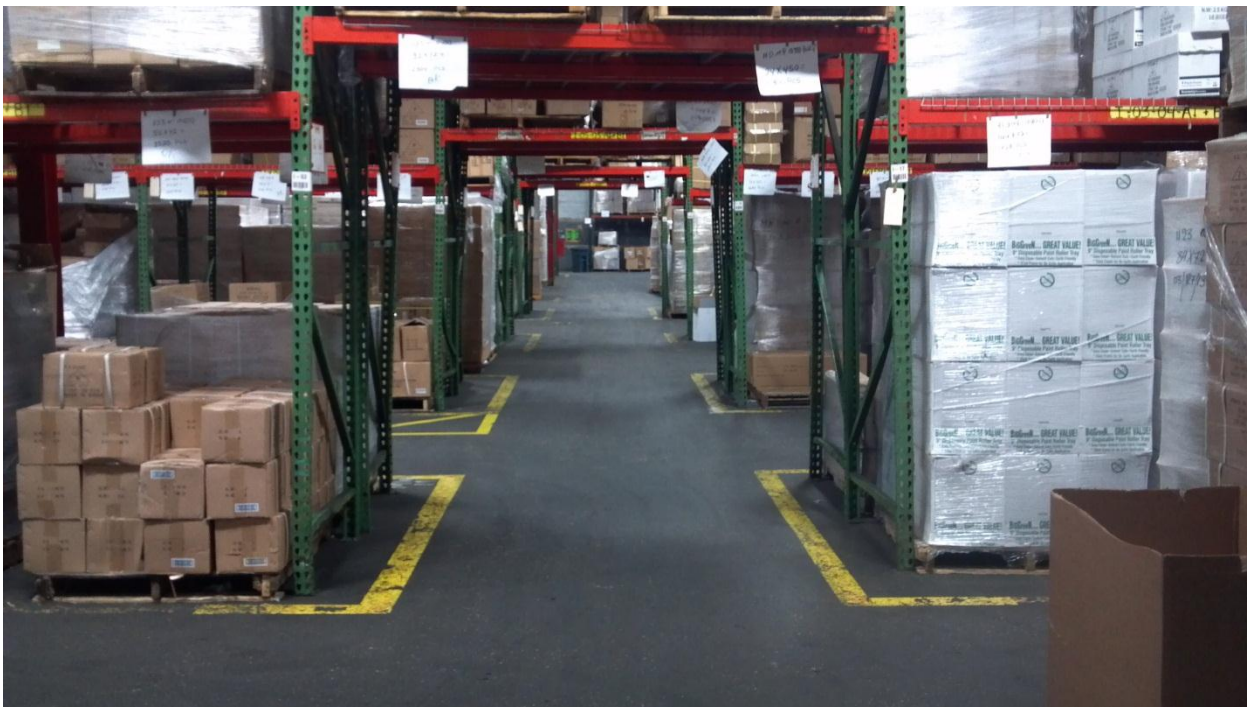

Photo 4: (3-27-2013, 15:44) AOC 4 Warehouse area of Site Building looking east. Photo taken from west side of warehouse.

Former Jameco Facility
Site Inspection Photos: 3-27-2013

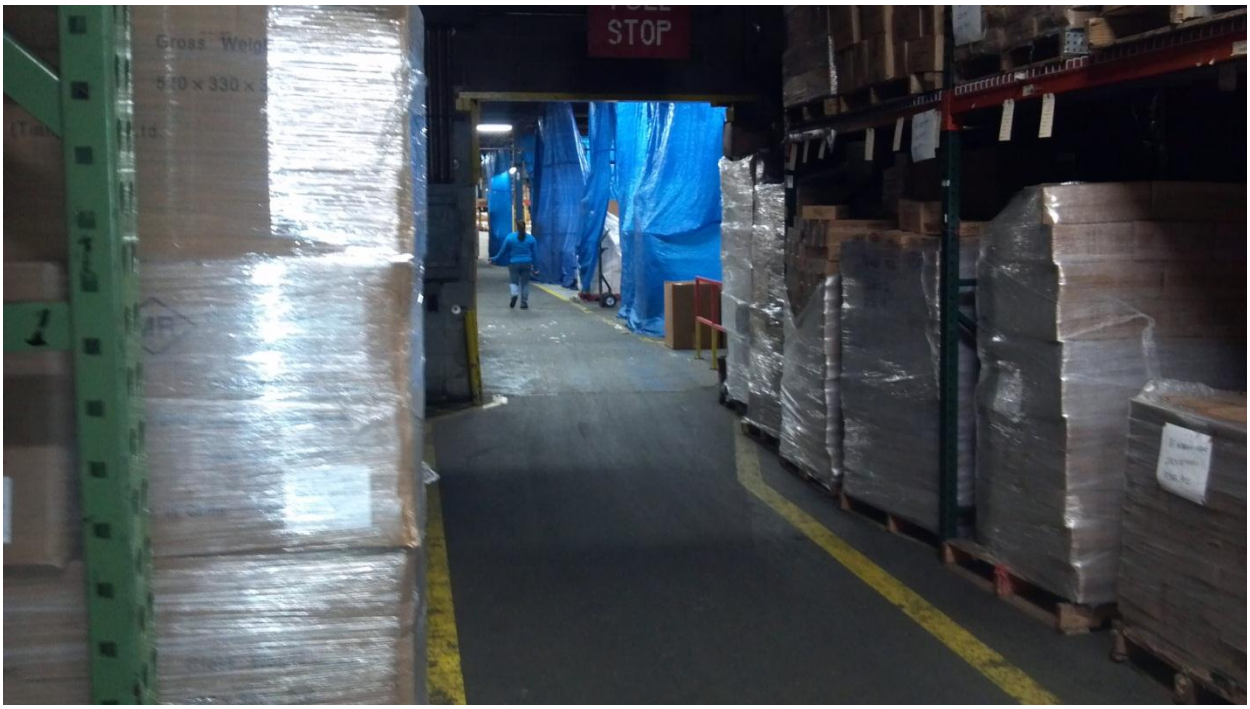

Photo 5 (3-27-2013, 15:44) AOC 4 Warehouse area of Site Building looking south into production area. Area to right of blue tarp is AOC 2 and 5. Photo taken from west side of warehouse.

Photo 6: (3-27-2013 16:13) AOC 1. Taken from northeast corner of AOC 1 with view of AOC 3 in background.

Former Jameco Facility
Site Inspection Photos: 3-27-2013

Photo 7: (3-27-2013 16:14) AOC 3 View looking south west from AOC-1.

Photo 8: (3-27-2013, 16:11) Outside of all AOCs. View of abandoned fuel oil truck with several discarded empty motor oil 55 G drums. Located near eastern property boundary

Former Jameco Facility
Site Inspection Photos: 3-27-2013

Photo 9: (3-27-2013, 16:11) Outside of all AOCs View of drivers side rear of abandoned fuel oil truck. Some soil staining and speedi-dri observed.

Attachment 3:

Groundwater Analytical Reports

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

10/10/2012

Laboratory Identifier: 1209226
Received: 9/19/2012 13:42
Sampled by: Michael Bradley

Client: Goldman Environmental Consultants
60 Brooks Avenue
Braintree,
MA 02184

Project: Linzer Groundwater Monitoring
248 Wyandanch Ave
Wyandanch,
NY

Manager: Michael Bradley

Respectfully submitted,

Patricia Werner-Els

Laboratory Manager

NYS Lab ID # 10969
NJ Lab ID # PH0645
CT Lab ID # PH0645
PA Lab ID # 68-0053

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-7
Client Sample ID: MW-20 Collected: 9/18/2012 15:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2909-66	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2909-66	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2909-66	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2909-66	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2909-66	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2909-66	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2909-66	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2909-66	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2909-66	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2909-66	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2909-66	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2909-66	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2909-66	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2909-66	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2909-66	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2909-66	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2909-66	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2909-66	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2909-66	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2909-66	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2909-66	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2909-66	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2909-66	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2909-66	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2909-66	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2909-66	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2909-66	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2909-66	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2909-66	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2909-66	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2909-66	0.93	ND	ug/L	U
62-53-3	Aniline	C2909-66	0.23	ND	ug/L	U

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10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-7
Client Sample ID: MW-20 Collected: 9/18/2012 15:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2909-66	0.84	ND	ug/L	U
92-87-5	Benzidine	C2909-66	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2909-66	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2909-66	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2909-66	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2909-66	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2909-66	1.00	ND	ug/L	U
65-85-0	Benzoic acid	C2909-66	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2909-66	0.48	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2909-66	1.33	ND	ug/L	U
86-74-8	Carbazole	C2909-66	1.08	ND	ug/L	U
218-01-9	Chrysene	C2909-66	0.95	ND	ug/L	U
	Cresols	C2909-66	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2909-66	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2909-66	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2909-66	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2909-66	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2909-66	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2909-66	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2909-66	0.86	ND	ug/L	U
86-73-7	Fluorene	C2909-66	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2909-66	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2909-66	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2909-66	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2909-66	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2909-66	0.95	ND	ug/L	U
78-59-1	Isophorone	C2909-66	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2909-66	0.74	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2909-66	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2909-66	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2909-66	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2909-66	0.91	ND	ug/L	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-7
Client Sample ID: MW-20 Collected: 9/18/2012 15:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2909-66	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2909-66	0.90	ND	ug/L	U
108-95-2	Phenol	C2909-66	0.25	ND	ug/L	U
129-00-0	Pyrene	C2909-66	1.01	ND	ug/L	U
110-86-1	Pyridine	C2909-66	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2909-66	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2909-66	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2909-66	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2909-66	1.44	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2909-66	51.4 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2909-66	50.3 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	C2909-66	20.6 %	(21 - 110)	*
4165-60-0	NITROBENZENE-D5	C2909-66	42.1 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2909-66	14.0 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2909-66	63.4 %	(33 - 141)	

Environmental Quality Services, Inc.
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10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-8
Client Sample ID: MW-21 Collected: 9/18/2012 15:40
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2909-67	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2909-67	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2909-67	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2909-67	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2909-67	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2909-67	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2909-67	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2909-67	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2909-67	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2909-67	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2909-67	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2909-67	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2909-67	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2909-67	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2909-67	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2909-67	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2909-67	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2909-67	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2909-67	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2909-67	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2909-67	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2909-67	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2909-67	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2909-67	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2909-67	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2909-67	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2909-67	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2909-67	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2909-67	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2909-67	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2909-67	0.93	ND	ug/L	U
62-53-3	Aniline	C2909-67	0.23	ND	ug/L	U

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
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10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-8
Client Sample ID: MW-21 Collected: 9/18/2012 15:40
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2909-67	0.84	ND	ug/L	U
92-87-5	Benzidine	C2909-67	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2909-67	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2909-67	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2909-67	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2909-67	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2909-67	1.00	ND	ug/L	U
65-85-0	Benzoic acid	C2909-67	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2909-67	0.48	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2909-67	1.33	ND	ug/L	U
86-74-8	Carbazole	C2909-67	1.08	ND	ug/L	U
218-01-9	Chrysene	C2909-67	0.95	ND	ug/L	U
	Cresols	C2909-67	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2909-67	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2909-67	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2909-67	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2909-67	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2909-67	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2909-67	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2909-67	0.86	ND	ug/L	U
86-73-7	Fluorene	C2909-67	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2909-67	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2909-67	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2909-67	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2909-67	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2909-67	0.95	ND	ug/L	U
78-59-1	Isophorone	C2909-67	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2909-67	0.74	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2909-67	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2909-67	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2909-67	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2909-67	0.91	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-8
Client Sample ID: MW-21 Collected: 9/18/2012 15:40
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2909-67	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2909-67	0.90	ND	ug/L	U
108-95-2	Phenol	C2909-67	0.25	ND	ug/L	U
129-00-0	Pyrene	C2909-67	1.01	ND	ug/L	U
110-86-1	Pyridine	C2909-67	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2909-67	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2909-67	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2909-67	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2909-67	1.44	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2909-67	45.5 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2909-67	41.1 %	(43 - 116)	*
367-12-4	2-FLUOROPHENOL	C2909-67	17.7 %	(21 - 110)	*
4165-60-0	NITROBENZENE-D5	C2909-67	35.3 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2909-67	12.5 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2909-67	58.9 %	(33 - 141)	

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-9
Client Sample ID: MW-23 Collected: 9/18/2012 14:20
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2909-68	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2909-68	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2909-68	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2909-68	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2909-68	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2909-68	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2909-68	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2909-68	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2909-68	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2909-68	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2909-68	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2909-68	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2909-68	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2909-68	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2909-68	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2909-68	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2909-68	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2909-68	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2909-68	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2909-68	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2909-68	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2909-68	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2909-68	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2909-68	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2909-68	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2909-68	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2909-68	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2909-68	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2909-68	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2909-68	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2909-68	0.93	ND	ug/L	U
62-53-3	Aniline	C2909-68	0.23	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-9
Client Sample ID: MW-23 Collected: 9/18/2012 14:20
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2909-68	0.84	ND	ug/L	U
92-87-5	Benzidine	C2909-68	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2909-68	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2909-68	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2909-68	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2909-68	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2909-68	1.00	ND	ug/L	U
65-85-0	Benzoic acid	C2909-68	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2909-68	0.48	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2909-68	1.33	ND	ug/L	U
86-74-8	Carbazole	C2909-68	1.08	ND	ug/L	U
218-01-9	Chrysene	C2909-68	0.95	ND	ug/L	U
	Cresols	C2909-68	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2909-68	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2909-68	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2909-68	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2909-68	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2909-68	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2909-68	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2909-68	0.86	ND	ug/L	U
86-73-7	Fluorene	C2909-68	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2909-68	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2909-68	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2909-68	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2909-68	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2909-68	0.95	ND	ug/L	U
78-59-1	Isophorone	C2909-68	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2909-68	0.74	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2909-68	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2909-68	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2909-68	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2909-68	0.91	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-9
Client Sample ID: MW-23 Collected: 9/18/2012 14:20
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/26/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2909-68	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2909-68	0.90	ND	ug/L	U
108-95-2	Phenol	C2909-68	0.25	ND	ug/L	U
129-00-0	Pyrene	C2909-68	1.01	ND	ug/L	U
110-86-1	Pyridine	C2909-68	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2909-68	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2909-68	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2909-68	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2909-68	1.44	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2909-68	49.2 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2909-68	42.9 %	(43 - 116)	*
367-12-4	2-FLUOROPHENOL	C2909-68	17.8 %	(21 - 110)	*
4165-60-0	NITROBENZENE-D5	C2909-68	35.5 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2909-68	13.3 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2909-68	60.5 %	(33 - 141)	

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MS
Client Sample ID: MW-23 MS
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A110-839	0.64	**16.4**	ug/L	
95-50-1	1,2-Dichlorobenzene	A110-839	0.65	**16.1**	ug/L	
122-66-7	1,2-Diphenylhydrazine	A110-839	1.02	**21.4**	ug/L	
541-73-1	1,3-Dichlorobenzene	A110-839	0.68	**15.3**	ug/L	
106-46-7	1,4-Dichlorobenzene	A110-839	0.73	**16.5**	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	A110-839	0.72	**26.5**	ug/L	
95-95-4	2,4,5-Trichlorophenol	A110-839	0.52	**21.2**	ug/L	
88-06-2	2,4,6-Trichlorophenol	A110-839	0.84	**19.6**	ug/L	
120-83-2	2,4-Dichlorophenol	A110-839	0.72	**18.5**	ug/L	
105-67-9	2,4-Dimethylphenol	A110-839	0.90	**16.4**	ug/L	
51-28-5	2,4-Dinitrophenol	A110-839	1.61	**29.4**	ug/L	
121-14-2	2,4-Dinitrotoluene	A110-839	0.75	**20.6**	ug/L	
606-20-2	2,6-Dinitrotoluene	A110-839	0.99	**20.8**	ug/L	
91-58-7	2-Chloronaphthalene	A110-839	0.80	**17.3**	ug/L	
95-57-8	2-Chlorophenol	A110-839	0.64	**17.4**	ug/L	
91-57-6	2-Methylnaphthalene	A110-839	0.74	**17.0**	ug/L	
95-48-7	2-Methylphenol	A110-839	0.46	**11.2**	ug/L	
88-74-4	2-Nitroaniline	A110-839	0.49	**21.1**	ug/L	
88-75-5	2-Nitrophenol	A110-839	0.62	**15.8**	ug/L	
106-44-5	3+4-Methylphenol	A110-839	0.31	**15.4**	ug/L	
91-94-1	3,3'-Dichlorobenzidine	A110-839	1.33	**26.7**	ug/L	
99-09-2	3-Nitroaniline	A110-839	0.34	**27.5**	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	A110-839	0.47	**28.4**	ug/L	
101-55-3	4-Bromophenyl phenyl ether	A110-839	1.01	**20.4**	ug/L	
59-50-7	4-Chloro-3-methylphenol	A110-839	0.73	**21.9**	ug/L	
106-47-8	4-Chloroaniline	A110-839	0.42	**18.8**	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	A110-839	0.86	**19.2**	ug/L	
100-01-6	4-Nitroaniline	A110-839	0.52	**26.0**	ug/L	
100-02-7	4-Nitrophenol	A110-839	1.61	**33.8**	ug/L	
83-32-9	Acenaphthene	A110-839	0.77	**19.1**	ug/L	
208-96-8	Acenaphthylene	A110-839	0.74	**19.1**	ug/L	
62-53-3	Aniline	A110-839	0.46	**18.4**	ug/L	

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MS
Client Sample ID: MW-23 MS
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	A110-839	0.88	**23.5**	ug/L	
92-87-5	Benzidine	A110-839	48.2	ND	ug/L	U
56-55-3	Benzo(a)anthracene	A110-839	0.96	**23.0**	ug/L	
50-32-8	Benzo(a)pyrene	A110-839	0.82	**22.8**	ug/L	
205-99-2	Benzo(b)fluoranthene	A110-839	0.85	**20.8**	ug/L	
191-24-2	Benzo(g,h,i)perylene	A110-839	0.85	**26.6**	ug/L	
207-08-9	Benzo(k)fluoranthene	A110-839	1.00	**19.1**	ug/L	
65-85-0	Benzoic acid	A110-839	10.0	**20.1**	ug/L	
100-51-6	Benzyl alcohol	A110-839	0.41	**17.6**	ug/L	
85-68-7	Butyl benzyl phthalate	A110-839	1.06	**23.0**	ug/L	
86-74-8	Carbazole	A110-839	1.99	**34.2**	ug/L	
218-01-9	Chrysene	A110-839	1.00	**21.6**	ug/L	
	Cresols	A110-839	0.77	**26.6**	ug/L	
84-74-2	Di-n-butyl phthalate	A110-839	1.08	**24.2**	ug/L	B
117-84-0	Di-n-octyl phthalate	A110-839	1.28	**18.3**	ug/L	
53-70-3	Dibenz(a,h)anthracene	A110-839	1.00	**25.6**	ug/L	
132-64-9	Dibenzofuran	A110-839	0.62	**19.8**	ug/L	
84-66-2	Diethyl phthalate	A110-839	1.00	**23.5**	ug/L	
131-11-3	Dimethyl phthalate	A110-839	0.78	**22.6**	ug/L	
206-44-0	Fluoranthene	A110-839	0.96	**22.6**	ug/L	
86-73-7	Fluorene	A110-839	0.82	**21.2**	ug/L	
118-74-1	Hexachlorobenzene	A110-839	0.86	**21.0**	ug/L	
87-68-3	Hexachlorobutadiene	A110-839	0.78	**15.4**	ug/L	
77-47-4	Hexachlorocyclopentadiene	A110-839	0.21	**21.8**	ug/L	
67-72-1	Hexachloroethane	A110-839	0.69	**15.7**	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	A110-839	0.90	**26.5**	ug/L	
78-59-1	Isophorone	A110-839	0.69	**23.1**	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	A110-839	0.57	**19.4**	ug/L	
62-75-9	N-Nitrosodimethylamine	A110-839	0.24	**13.3**	ug/L	
86-30-6	N-Nitrosodiphenylamine	A110-839	1.09	**31.3**	ug/L	
91-20-3	Naphthalene	A110-839	0.78	**16.7**	ug/L	
98-95-3	Nitrobenzene	A110-839	0.71	**16.7**	ug/L	

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MS
Client Sample ID: MW-23 MS
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	A110-839	0.65	**32.0**	ug/L	
85-01-8	Phenanthrene	A110-839	0.95	**20.9**	ug/L	
108-95-2	Phenol	A110-839	0.33	**8.01**	ug/L	
129-00-0	Pyrene	A110-839	0.85	**22.3**	ug/L	
110-86-1	Pyridine	A110-839	0.37	**8.55**	ug/L	
111-91-1	bis(2-Chloroethoxy)methane	A110-839	0.70	**18.6**	ug/L	
111-44-4	bis(2-Chloroethyl)ether	A110-839	0.57	**18.9**	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	A110-839	0.74	**18.5**	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	A110-839	1.26	**22.5**	ug/L	B

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A110-839	60.6 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A110-839	47.0 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	A110-839	31.0 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	A110-839	47.4 %	(35 - 114)	
13127-88-3	PHENOL-D6	A110-839	26.8 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A110-839	59.2 %	(33 - 141)	

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Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MS

Client Sample ID: MW-23 MS
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	A110-839	41.0 %	(39 - 98)	
95-50-1	1,2-DICHLOROBENZENE	A110-839	40.3 %	(32 - 129)	
106-46-7	1,4-DICHLOROBENZENE	A110-839	41.3 %	(36 - 97)	
121-14-2	2,4-DINITROTOLUENE	A110-839	51.5 %	(24 - 96)	
95-57-8	2-CHLOROPHENOL	A110-839	43.5 %	(27 - 123)	
91-57-6	2-METHYLNAPHTHALENE	A110-839	42.5 %	(28 - 104)	
59-50-7	4-CHLORO-3-METHYLPHENOL	A110-839	54.8 %	(23 - 97)	
100-02-7	4-NITROPHENOL	A110-839	84.5 %	(10 - 80)	*
83-32-9	ACENAPHTHENE	A110-839	47.8 %	(46 - 118)	
208-96-8	ACENAPHTHYLENE	A110-839	47.8 %	(33 - 145)	
50-32-8	BENZO(A)PYRENE	A110-839	57.0 %	(17 - 163)	
132-64-9	DIBENZOFURAN	A110-839	49.5 %	(30 - 98)	
78-59-1	ISOPHORONE	A110-839	57.8 %	(21 - 196)	
621-64-7	N-NITROSODI-N-PROPYLAMINE	A110-839	48.5 %	(41 - 116)	
91-20-3	NAPHTHALENE	A110-839	41.8 %	(21 - 133)	
87-86-5	PENTACHLOROPHENOL	A110-839	80.0 %	(09 - 103)	
108-95-2	PHENOL	A110-839	20.0 %	(12 - 110)	
129-00-0	PYRENE	A110-839	55.8 %	(26 - 127)	

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10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MSD
Client Sample ID: MW-23 MSD
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A110-840	0.64	**14.9**	ug/L	
95-50-1	1,2-Dichlorobenzene	A110-840	0.65	**14.7**	ug/L	
122-66-7	1,2-Diphenylhydrazine	A110-840	1.02	**21.5**	ug/L	
541-73-1	1,3-Dichlorobenzene	A110-840	0.68	**14.0**	ug/L	
106-46-7	1,4-Dichlorobenzene	A110-840	0.73	**15.4**	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	A110-840	0.72	**26.3**	ug/L	
95-95-4	2,4,5-Trichlorophenol	A110-840	0.52	**20.5**	ug/L	
88-06-2	2,4,6-Trichlorophenol	A110-840	0.84	**18.6**	ug/L	
120-83-2	2,4-Dichlorophenol	A110-840	0.72	**16.5**	ug/L	
105-67-9	2,4-Dimethylphenol	A110-840	0.90	**15.0**	ug/L	
51-28-5	2,4-Dinitrophenol	A110-840	1.61	**30.2**	ug/L	
121-14-2	2,4-Dinitrotoluene	A110-840	0.75	**20.7**	ug/L	
606-20-2	2,6-Dinitrotoluene	A110-840	0.99	**19.9**	ug/L	
91-58-7	2-Chloronaphthalene	A110-840	0.80	**16.4**	ug/L	
95-57-8	2-Chlorophenol	A110-840	0.64	**16.3**	ug/L	
91-57-6	2-Methylnaphthalene	A110-840	0.74	**15.5**	ug/L	
95-48-7	2-Methylphenol	A110-840	0.46	**10.4**	ug/L	
88-74-4	2-Nitroaniline	A110-840	0.49	**21.0**	ug/L	
88-75-5	2-Nitrophenol	A110-840	0.62	**14.0**	ug/L	
106-44-5	3+4-Methylphenol	A110-840	0.31	**13.6**	ug/L	
91-94-1	3,3'-Dichlorobenzidine	A110-840	1.33	**23.0**	ug/L	
99-09-2	3-Nitroaniline	A110-840	0.34	**24.7**	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	A110-840	0.47	**30.0**	ug/L	
101-55-3	4-Bromophenyl phenyl ether	A110-840	1.01	**20.4**	ug/L	
59-50-7	4-Chloro-3-methylphenol	A110-840	0.73	**20.7**	ug/L	
106-47-8	4-Chloroaniline	A110-840	0.42	**19.4**	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	A110-840	0.86	**18.2**	ug/L	
100-01-6	4-Nitroaniline	A110-840	0.52	**27.2**	ug/L	
100-02-7	4-Nitrophenol	A110-840	1.61	**31.3**	ug/L	
83-32-9	Acenaphthene	A110-840	0.77	**18.0**	ug/L	
208-96-8	Acenaphthylene	A110-840	0.74	**18.1**	ug/L	
62-53-3	Aniline	A110-840	0.46	**16.6**	ug/L	

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10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MSD
Client Sample ID: MW-23 MSD
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	A110-840	0.88	**23.5**	ug/L	
92-87-5	Benzidine	A110-840	48.2	ND	ug/L	U
56-55-3	Benzo(a)anthracene	A110-840	0.96	**24.5**	ug/L	
50-32-8	Benzo(a)pyrene	A110-840	0.82	**24.7**	ug/L	
205-99-2	Benzo(b)fluoranthene	A110-840	0.85	**23.3**	ug/L	
191-24-2	Benzo(g,h,i)perylene	A110-840	0.85	**28.2**	ug/L	
207-08-9	Benzo(k)fluoranthene	A110-840	1.00	**20.5**	ug/L	
65-85-0	Benzoic acid	A110-840	10.0	**17.0**	ug/L	J
100-51-6	Benzyl alcohol	A110-840	0.41	**16.3**	ug/L	
85-68-7	Butyl benzyl phthalate	A110-840	1.06	**23.9**	ug/L	
86-74-8	Carbazole	A110-840	1.99	**37.7**	ug/L	
218-01-9	Chrysene	A110-840	1.00	**23.0**	ug/L	
	Cresols	A110-840	0.77	**24.0**	ug/L	
84-74-2	Di-n-butyl phthalate	A110-840	1.08	**26.0**	ug/L	B
117-84-0	Di-n-octyl phthalate	A110-840	1.28	**19.6**	ug/L	
53-70-3	Dibenz(a,h)anthracene	A110-840	1.00	**30.2**	ug/L	
132-64-9	Dibenzofuran	A110-840	0.62	**18.4**	ug/L	
84-66-2	Diethyl phthalate	A110-840	1.00	**23.7**	ug/L	
131-11-3	Dimethyl phthalate	A110-840	0.78	**22.3**	ug/L	
206-44-0	Fluoranthene	A110-840	0.96	**23.6**	ug/L	
86-73-7	Fluorene	A110-840	0.82	**20.2**	ug/L	
118-74-1	Hexachlorobenzene	A110-840	0.86	**20.5**	ug/L	
87-68-3	Hexachlorobutadiene	A110-840	0.78	**14.3**	ug/L	
77-47-4	Hexachlorocyclopentadiene	A110-840	0.21	**21.4**	ug/L	
67-72-1	Hexachloroethane	A110-840	0.69	**14.4**	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	A110-840	0.90	**29.2**	ug/L	
78-59-1	Isophorone	A110-840	0.69	**21.0**	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	A110-840	0.57	**18.5**	ug/L	
62-75-9	N-Nitrosodimethylamine	A110-840	0.24	**12.5**	ug/L	
86-30-6	N-Nitrosodiphenylamine	A110-840	1.09	**31.1**	ug/L	
91-20-3	Naphthalene	A110-840	0.78	**15.2**	ug/L	
98-95-3	Nitrobenzene	A110-840	0.71	**15.6**	ug/L	

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Phone - 631-249-1456 Fax - 631-249-8344

10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MSD
Client Sample ID: MW-23 MSD
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	A110-840	0.65	**34.3**	ug/L	
85-01-8	Phenanthrene	A110-840	0.95	**21.4**	ug/L	
108-95-2	Phenol	A110-840	0.33	**6.94**	ug/L	
129-00-0	Pyrene	A110-840	0.85	**23.2**	ug/L	
110-86-1	Pyridine	A110-840	0.37	**6.98**	ug/L	
111-91-1	bis(2-Chloroethoxy)methane	A110-840	0.70	**16.9**	ug/L	
111-44-4	bis(2-Chloroethyl)ether	A110-840	0.57	**17.6**	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	A110-840	0.74	**17.5**	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	A110-840	1.26	**24.1**	ug/L	B

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A110-840	61.6 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A110-840	42.6 %	(43 - 116)	*
367-12-4	2-FLUOROPHENOL	A110-840	27.6 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	A110-840	41.9 %	(35 - 114)	
13127-88-3	PHENOL-D6	A110-840	24.3 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A110-840	63.6 %	(33 - 141)	

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10/10/2012

Semivolatile Compounds - EPA 8270C

Sample: 1209226-9MSD
Client Sample ID: MW-23 MSD
Collected: 9/18/2012 14:20
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 10/5/2012
Preparation Date(s) : 9/25/2012

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	A110-840	37.3 %	(39 - 98)	*
95-50-1	1,2-DICHLOROBENZENE	A110-840	36.8 %	(32 - 129)	
106-46-7	1,4-DICHLOROBENZENE	A110-840	38.5 %	(36 - 97)	
121-14-2	2,4-DINITROTOLUENE	A110-840	51.8 %	(24 - 96)	
95-57-8	2-CHLOROPHENOL	A110-840	40.8 %	(27 - 123)	
91-57-6	2-METHYLNAPHTHALENE	A110-840	38.8 %	(28 - 104)	
59-50-7	4-CHLORO-3-METHYLPHENOL	A110-840	51.8 %	(23 - 97)	
100-02-7	4-NITROPHENOL	A110-840	78.3 %	(10 - 80)	
83-32-9	ACENAPHTHENE	A110-840	45.0 %	(46 - 118)	*
208-96-8	ACENAPHTHYLENE	A110-840	45.3 %	(33 - 145)	
50-32-8	BENZO(A)PYRENE	A110-840	61.8 %	(17 - 163)	
132-64-9	DIBENZOFURAN	A110-840	46.0 %	(30 - 98)	
78-59-1	ISOPHORONE	A110-840	52.5 %	(21 - 196)	
621-64-7	N-NITROSODI-N-PROPYLAMINE	A110-840	46.3 %	(41 - 116)	
91-20-3	NAPHTHALENE	A110-840	38.0 %	(21 - 133)	
87-86-5	PENTACHLOROPHENOL	A110-840	85.8 %	(09 - 103)	
108-95-2	PHENOL	A110-840	17.4 %	(12 - 110)	
129-00-0	PYRENE	A110-840	58.0 %	(26 - 127)	

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10/10/2012

Metals by Method SW846 6010/EPA 200.7

Sample: 1209226-5
Client Sample ID: MW-10 Collected: 9/18/2012 17:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	**0.26**	mg/L	
7440-50-8	Copper	0.0034	**0.49**	mg/L	
7440-02-0	Nickel	0.0014	**0.069**	mg/L	

Sample: 1209226-6
Client Sample ID: MW-12 Collected: 9/18/2012 17:10
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	**0.013**	mg/L	
7440-50-8	Copper	0.0034	**0.60**	mg/L	
7440-02-0	Nickel	0.0014	**0.42**	mg/L	

Sample: 1209226-10
Client Sample ID: MW-26R Collected: 9/18/2012 13:10
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	**0.0014**	mg/L	
7440-50-8	Copper	0.0034	**0.0046**	mg/L	
7440-02-0	Nickel	0.0014	ND	mg/L	U

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10/10/2012

Metals by Method SW846 6010/EPA 200.7

Sample: 1209226-10MS
Client Sample ID: MW-26R MS
Matrix: Liquid
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Collected: 9/18/2012 13:10
Type: Grab

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	**0.20**	mg/L	
7440-50-8	Copper	0.0034	**0.30**	mg/L	
7440-02-0	Nickel	0.0014	**0.49**	mg/L	

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-47-3	Chromium	C4339-32	98.8	(75 - 125)	
7440-50-8	Copper	C4339-32	120.0	(75 - 125)	
7440-02-0	Nickel	C4339-32	98.0	(75 - 125)	

Sample: 1209226-10MSD
Client Sample ID: MW-26R MSD
Matrix: Liquid
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Collected: 9/18/2012 13:10
Type: Grab

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	**0.20**	mg/L	
7440-50-8	Copper	0.0034	**0.32**	mg/L	
7440-02-0	Nickel	0.0014	**0.51**	mg/L	

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-47-3	Chromium	C4339-33	98.6	(75 - 125)	
7440-50-8	Copper	C4339-33	126.0	(75 - 125)	*
7440-02-0	Nickel	C4339-33	102.0	(75 - 125)	

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10/10/2012

Nickel, Total by Method SW846 6010

Sample: 1209226-1
Client Sample ID: MW-2 Collected: 9/18/2012 12:25
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**0.094**	mg/L	

Sample: 1209226-2
Client Sample ID: MW-3 Collected: 9/18/2012 11:55
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**0.065**	mg/L	

Sample: 1209226-3
Client Sample ID: MW-4 Collected: 9/18/2012 11:40
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**0.41**	mg/L	

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10/10/2012

Nickel, Total by Method SW846 6010

Sample: 1209226-4

Client Sample ID: MW-5R
Collected: 9/18/2012 13:07
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 9/24/2012
Preparation Date(s) : 9/21/2012

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**0.20**	mg/L	

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10/10/2012

Case Narrative

EPA 8270 Semi-Volatiles

All method 8270 met criteria.

Initial Calibration:
Average Response Factors were used for quantification for all analytes whose %RSD was <15%.
Linear Regression method was used for the following compounds whose %RSD was >15% but exhibited an acceptable correlation coefficient is 0.995 or greater.:
N-Nitrosodimethylamine
2,4-Dinitrophenol
Indeno (1,2,3-cd)pyrene
Dibenz (a,h) anthracene
Benzo (g,h,i) perylene

The following compounds, however, exhibited a correlation coefficient of <0.995:
4-Nitrophenol (0.939)

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10/10/2012

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

4/18/2013

Laboratory Identifier: 1304000
Received: 4/1/2013 08:08
Sampled by: Mike Bradley

Client: Goldman Environmental Consultants
60 Brooks Avenue
Braintree,
MA 02184

Project: Linzer Groundwater Monitoring
248 Wyandanch Ave
Wyandanch,
NY

Manager: Michael Bradley

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969
NJ Lab ID # PH0645
CT Lab ID # PH0645
PA Lab ID # 68-0053

Environmental Quality Services, Inc.
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4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-7
Client Sample ID: MW-20 Collected: 3/27/2013 15:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/12/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A206-512	0.64	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	A206-512	0.65	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	A206-512	1.02	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	A206-512	0.68	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	A206-512	0.73	**1.17**	ug/L	J
58-90-2	2,3,4,6-Tetrachlorophenol	A206-512	0.72	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	A206-512	0.52	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	A206-512	0.84	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	A206-512	0.72	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	A206-512	0.90	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	A206-512	1.61	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	A206-512	0.75	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	A206-512	0.99	ND	ug/L	U
91-58-7	2-Chloronaphthalene	A206-512	0.80	ND	ug/L	U
95-57-8	2-Chlorophenol	A206-512	0.64	ND	ug/L	U
91-57-6	2-Methylnaphthalene	A206-512	0.74	ND	ug/L	U
95-48-7	2-Methylphenol	A206-512	0.46	ND	ug/L	U
88-74-4	2-Nitroaniline	A206-512	0.49	ND	ug/L	U
88-75-5	2-Nitrophenol	A206-512	0.62	ND	ug/L	U
106-44-5	3+4-Methylphenol	A206-512	0.31	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	A206-512	1.33	ND	ug/L	U
99-09-2	3-Nitroaniline	A206-512	0.34	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	A206-512	0.47	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	A206-512	1.01	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	A206-512	0.73	ND	ug/L	U
106-47-8	4-Chloroaniline	A206-512	0.42	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	A206-512	0.86	ND	ug/L	U
100-01-6	4-Nitroaniline	A206-512	0.52	ND	ug/L	U
100-02-7	4-Nitrophenol	A206-512	1.61	ND	ug/L	U
83-32-9	Acenaphthene	A206-512	0.77	ND	ug/L	U
208-96-8	Acenaphthylene	A206-512	0.74	ND	ug/L	U
62-53-3	Aniline	A206-512	0.46	ND	ug/L	U

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4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-7
Client Sample ID: MW-20 Collected: 3/27/2013 15:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/12/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	A206-512	0.88	ND	ug/L	U
92-87-5	Benzidine	A206-512	48.2	ND	ug/L	U
56-55-3	Benzo(a)anthracene	A206-512	0.96	ND	ug/L	U
50-32-8	Benzo(a)pyrene	A206-512	0.82	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	A206-512	0.85	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	A206-512	0.85	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	A206-512	1.00	ND	ug/L	U
65-85-0	Benzoic acid	A206-512	10.0	ND	ug/L	U
100-51-6	Benzyl alcohol	A206-512	0.41	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	A206-512	1.06	ND	ug/L	U
86-74-8	Carbazole	A206-512	1.99	ND	ug/L	U
218-01-9	Chrysene	A206-512	1.00	ND	ug/L	U
	Cresols	A206-512	0.77	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	A206-512	1.08	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	A206-512	1.28	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	A206-512	1.00	ND	ug/L	U
132-64-9	Dibenzofuran	A206-512	0.62	ND	ug/L	U
84-66-2	Diethyl phthalate	A206-512	1.00	ND	ug/L	U
131-11-3	Dimethyl phthalate	A206-512	0.78	ND	ug/L	U
206-44-0	Fluoranthene	A206-512	0.96	ND	ug/L	U
86-73-7	Fluorene	A206-512	0.82	ND	ug/L	U
118-74-1	Hexachlorobenzene	A206-512	0.86	ND	ug/L	U
87-68-3	Hexachlorobutadiene	A206-512	0.78	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	A206-512	0.21	ND	ug/L	U
67-72-1	Hexachloroethane	A206-512	0.69	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	A206-512	0.90	ND	ug/L	U
78-59-1	Isophorone	A206-512	0.69	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	A206-512	0.57	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	A206-512	0.24	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	A206-512	1.09	ND	ug/L	U
91-20-3	Naphthalene	A206-512	0.78	ND	ug/L	U
98-95-3	Nitrobenzene	A206-512	0.71	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-7
Client Sample ID: MW-20 Collected: 3/27/2013 15:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/12/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	A206-512	0.65	ND	ug/L	U
85-01-8	Phenanthrene	A206-512	0.95	ND	ug/L	U
108-95-2	Phenol	A206-512	0.33	ND	ug/L	U
129-00-0	Pyrene	A206-512	0.85	ND	ug/L	U
110-86-1	Pyridine	A206-512	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	A206-512	0.70	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	A206-512	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	A206-512	0.74	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	A206-512	1.26	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A206-512	75.1 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A206-512	49.2 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	A206-512	22.7 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	A206-512	63.9 %	(35 - 114)	
13127-88-3	PHENOL-D6	A206-512	14.7 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A206-512	51.5 %	(33 - 141)	

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-8
Client Sample ID: MW-21 Collected: 3/27/2013 15:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/12/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A206-513	0.64	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	A206-513	0.65	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	A206-513	1.02	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	A206-513	0.68	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	A206-513	0.73	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	A206-513	0.72	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	A206-513	0.52	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	A206-513	0.84	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	A206-513	0.72	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	A206-513	0.90	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	A206-513	1.61	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	A206-513	0.75	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	A206-513	0.99	ND	ug/L	U
91-58-7	2-Chloronaphthalene	A206-513	0.80	ND	ug/L	U
95-57-8	2-Chlorophenol	A206-513	0.64	ND	ug/L	U
91-57-6	2-Methylnaphthalene	A206-513	0.74	ND	ug/L	U
95-48-7	2-Methylphenol	A206-513	0.46	ND	ug/L	U
88-74-4	2-Nitroaniline	A206-513	0.49	ND	ug/L	U
88-75-5	2-Nitrophenol	A206-513	0.62	ND	ug/L	U
106-44-5	3+4-Methylphenol	A206-513	0.31	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	A206-513	1.33	ND	ug/L	U
99-09-2	3-Nitroaniline	A206-513	0.34	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	A206-513	0.47	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	A206-513	1.01	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	A206-513	0.73	ND	ug/L	U
106-47-8	4-Chloroaniline	A206-513	0.42	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	A206-513	0.86	ND	ug/L	U
100-01-6	4-Nitroaniline	A206-513	0.52	ND	ug/L	U
100-02-7	4-Nitrophenol	A206-513	1.61	ND	ug/L	U
83-32-9	Acenaphthene	A206-513	0.77	ND	ug/L	U
208-96-8	Acenaphthylene	A206-513	0.74	ND	ug/L	U
62-53-3	Aniline	A206-513	0.46	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-8
Client Sample ID: MW-21 Collected: 3/27/2013 15:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/12/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	A206-513	0.88	ND	ug/L	U
92-87-5	Benzidine	A206-513	48.2	ND	ug/L	U
56-55-3	Benzo(a)anthracene	A206-513	0.96	ND	ug/L	U
50-32-8	Benzo(a)pyrene	A206-513	0.82	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	A206-513	0.85	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	A206-513	0.85	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	A206-513	1.00	ND	ug/L	U
65-85-0	Benzoic acid	A206-513	10.0	ND	ug/L	U
100-51-6	Benzyl alcohol	A206-513	0.41	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	A206-513	1.06	ND	ug/L	U
86-74-8	Carbazole	A206-513	1.99	ND	ug/L	U
218-01-9	Chrysene	A206-513	1.00	ND	ug/L	U
	Cresols	A206-513	0.77	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	A206-513	1.08	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	A206-513	1.28	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	A206-513	1.00	ND	ug/L	U
132-64-9	Dibenzofuran	A206-513	0.62	ND	ug/L	U
84-66-2	Diethyl phthalate	A206-513	1.00	ND	ug/L	U
131-11-3	Dimethyl phthalate	A206-513	0.78	ND	ug/L	U
206-44-0	Fluoranthene	A206-513	0.96	ND	ug/L	U
86-73-7	Fluorene	A206-513	0.82	ND	ug/L	U
118-74-1	Hexachlorobenzene	A206-513	0.86	ND	ug/L	U
87-68-3	Hexachlorobutadiene	A206-513	0.78	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	A206-513	0.21	ND	ug/L	U
67-72-1	Hexachloroethane	A206-513	0.69	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	A206-513	0.90	ND	ug/L	U
78-59-1	Isophorone	A206-513	0.69	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	A206-513	0.57	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	A206-513	0.24	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	A206-513	1.09	ND	ug/L	U
91-20-3	Naphthalene	A206-513	0.78	ND	ug/L	U
98-95-3	Nitrobenzene	A206-513	0.71	ND	ug/L	U

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4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-8
Client Sample ID: MW-21 Collected: 3/27/2013 15:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/12/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	A206-513	0.65	ND	ug/L	U
85-01-8	Phenanthrene	A206-513	0.95	ND	ug/L	U
108-95-2	Phenol	A206-513	0.33	ND	ug/L	U
129-00-0	Pyrene	A206-513	0.85	ND	ug/L	U
110-86-1	Pyridine	A206-513	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	A206-513	0.70	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	A206-513	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	A206-513	0.74	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	A206-513	1.26	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A206-513	79.6 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A206-513	49.9 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	A206-513	22.5 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	A206-513	61.5 %	(35 - 114)	
13127-88-3	PHENOL-D6	A206-513	15.4 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A206-513	53.7 %	(33 - 141)	

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MS
Client Sample ID: MW-21 Collected: 3/27/2013 15:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A208-546	0.64	**34.3**	ug/L	
95-50-1	1,2-Dichlorobenzene	A208-546	0.65	**39.3**	ug/L	
122-66-7	1,2-Diphenylhydrazine	A208-546	1.02	**43.3**	ug/L	
541-73-1	1,3-Dichlorobenzene	A208-546	0.68	**34.2**	ug/L	
106-46-7	1,4-Dichlorobenzene	A208-546	0.73	**40.3**	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	A208-546	0.72	**20.1**	ug/L	
95-95-4	2,4,5-Trichlorophenol	A208-546	0.52	**35.6**	ug/L	
88-06-2	2,4,6-Trichlorophenol	A208-546	0.84	**34.0**	ug/L	
120-83-2	2,4-Dichlorophenol	A208-546	0.72	**33.8**	ug/L	
105-67-9	2,4-Dimethylphenol	A208-546	0.90	**38.6**	ug/L	
51-28-5	2,4-Dinitrophenol	A208-546	1.61	**34.3**	ug/L	
121-14-2	2,4-Dinitrotoluene	A208-546	0.75	**34.1**	ug/L	
606-20-2	2,6-Dinitrotoluene	A208-546	0.99	**34.6**	ug/L	
91-58-7	2-Chloronaphthalene	A208-546	0.80	**42.8**	ug/L	
95-57-8	2-Chlorophenol	A208-546	0.64	**33.7**	ug/L	
91-57-6	2-Methylnaphthalene	A208-546	0.74	**43.0**	ug/L	
95-48-7	2-Methylphenol	A208-546	0.46	**38.5**	ug/L	
88-74-4	2-Nitroaniline	A208-546	0.49	**35.0**	ug/L	
88-75-5	2-Nitrophenol	A208-546	0.62	**35.3**	ug/L	
106-44-5	3+4-Methylphenol	A208-546	0.31	**36.4**	ug/L	
91-94-1	3,3'-Dichlorobenzidine	A208-546	1.33	ND	ug/L	U
99-09-2	3-Nitroaniline	A208-546	0.34	**46.1**	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	A208-546	0.47	**36.6**	ug/L	
101-55-3	4-Bromophenyl phenyl ether	A208-546	1.01	**37.7**	ug/L	
59-50-7	4-Chloro-3-methylphenol	A208-546	0.73	**35.4**	ug/L	
106-47-8	4-Chloroaniline	A208-546	0.42	**41.9**	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	A208-546	0.86	**40.0**	ug/L	
100-01-6	4-Nitroaniline	A208-546	0.52	**46.8**	ug/L	
100-02-7	4-Nitrophenol	A208-546	1.61	**22.4**	ug/L	
83-32-9	Acenaphthene	A208-546	0.77	**43.0**	ug/L	
208-96-8	Acenaphthylene	A208-546	0.74	**46.1**	ug/L	
62-53-3	Aniline	A208-546	0.46	**37.1**	ug/L	

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4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MS
Client Sample ID: MW-21 Collected: 3/27/2013 15:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	A208-546	0.88	**48.0**	ug/L	
92-87-5	Benzidine	A208-546	48.2	ND	ug/L	U
56-55-3	Benzo(a)anthracene	A208-546	0.96	**44.3**	ug/L	
50-32-8	Benzo(a)pyrene	A208-546	0.82	**35.8**	ug/L	
205-99-2	Benzo(b)fluoranthene	A208-546	0.85	**36.8**	ug/L	
191-24-2	Benzo(g,h,i)perylene	A208-546	0.85	**39.1**	ug/L	
207-08-9	Benzo(k)fluoranthene	A208-546	1.00	**42.0**	ug/L	
65-85-0	Benzoic acid	A208-546	10.0	**15.5**	ug/L	J
100-51-6	Benzyl alcohol	A208-546	0.41	**37.1**	ug/L	
85-68-7	Butyl benzyl phthalate	A208-546	1.06	**41.1**	ug/L	
86-74-8	Carbazole	A208-546	1.99	**42.7**	ug/L	
218-01-9	Chrysene	A208-546	1.00	**42.6**	ug/L	
	Cresols	A208-546	0.77	**74.9**	ug/L	
84-74-2	Di-n-butyl phthalate	A208-546	1.08	**44.5**	ug/L	
117-84-0	Di-n-octyl phthalate	A208-546	1.28	**32.1**	ug/L	
53-70-3	Dibenz(a,h)anthracene	A208-546	1.00	**39.2**	ug/L	
132-64-9	Dibenzofuran	A208-546	0.62	**45.8**	ug/L	
84-66-2	Diethyl phthalate	A208-546	1.00	**44.4**	ug/L	
131-11-3	Dimethyl phthalate	A208-546	0.78	**43.2**	ug/L	
206-44-0	Fluoranthene	A208-546	0.96	**29.6**	ug/L	
86-73-7	Fluorene	A208-546	0.82	**45.1**	ug/L	
118-74-1	Hexachlorobenzene	A208-546	0.86	**39.0**	ug/L	
87-68-3	Hexachlorobutadiene	A208-546	0.78	**34.3**	ug/L	
77-47-4	Hexachlorocyclopentadiene	A208-546	0.21	**24.8**	ug/L	
67-72-1	Hexachloroethane	A208-546	0.69	**35.2**	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	A208-546	0.90	**38.4**	ug/L	
78-59-1	Isophorone	A208-546	0.69	**43.5**	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	A208-546	0.57	**34.7**	ug/L	
62-75-9	N-Nitrosodimethylamine	A208-546	0.24	**34.9**	ug/L	
86-30-6	N-Nitrosodiphenylamine	A208-546	1.09	**42.8**	ug/L	
91-20-3	Naphthalene	A208-546	0.78	**47.8**	ug/L	
98-95-3	Nitrobenzene	A208-546	0.71	**34.3**	ug/L	

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Phone - 631-249-1456 Fax - 631-249-8344

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MS
Client Sample ID: MW-21 Collected: 3/27/2013 15:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	A208-546	0.65	**37.1**	ug/L	
85-01-8	Phenanthrene	A208-546	0.95	**46.5**	ug/L	
108-95-2	Phenol	A208-546	0.33	**33.8**	ug/L	
129-00-0	Pyrene	A208-546	0.85	**46.7**	ug/L	
110-86-1	Pyridine	A208-546	0.37	**38.3**	ug/L	
111-91-1	bis(2-Chloroethoxy)methane	A208-546	0.70	**33.6**	ug/L	
111-44-4	bis(2-Chloroethyl)ether	A208-546	0.57	**36.4**	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	A208-546	0.74	**40.2**	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	A208-546	1.26	**42.5**	ug/L	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A208-546	64.8 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A208-546	54.4 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	A208-546	22.5 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	A208-546	60.7 %	(35 - 114)	
13127-88-3	PHENOL-D6	A208-546	16.2 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A208-546	53.3 %	(33 - 141)	

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MS
Client Sample ID: MW-21
Collected: 3/27/2013 15:05
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	A208-546	85.8 %	(39 - 98)	
95-50-1	1,2-DICHLOROBENZENE	A208-546	98.3 %	(32 - 129)	
106-46-7	1,4-DICHLOROBENZENE	A208-546	101.0 %	(36 - 120)	
121-14-2	2,4-DINITROTOLUENE	A208-546	85.3 %	(24 - 96)	
95-57-8	2-CHLOROPHENOL	A208-546	84.3 %	(27 - 123)	
91-57-6	2-METHYLNAPHTHALENE	A208-546	108.0 %	(28 - 120)	
59-50-7	4-CHLORO-3-METHYLPHENOL	A208-546	88.5 %	(23 - 97)	
100-02-7	4-NITROPHENOL	A208-546	56.0 %	(10 - 80)	
83-32-9	ACENAPHTHENE	A208-546	108.0 %	(46 - 130)	
208-96-8	ACENAPHTHYLENE	A208-546	115.0 %	(33 - 145)	
50-32-8	BENZO(A)PYRENE	A208-546	89.5 %	(17 - 163)	
132-64-9	DIBENZOFURAN	A208-546	115.0 %	(30 - 145)	
78-59-1	ISOPHORONE	A208-546	109.0 %	(21 - 196)	
621-64-7	N-NITROSODI-N-PROPYLAMINE	A208-546	86.8 %	(41 - 116)	
91-20-3	NAPHTHALENE	A208-546	120.0 %	(21 - 140)	
87-86-5	PENTACHLOROPHENOL	A208-546	92.8 %	(09 - 103)	
108-95-2	PHENOL	A208-546	84.5 %	(12 - 110)	
129-00-0	PYRENE	A208-546	117.0 %	(26 - 150)	

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4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MSD
Client Sample ID: MW-21
Collected: 3/27/2013 15:05
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A208-547	0.64	**32.7**	ug/L	
95-50-1	1,2-Dichlorobenzene	A208-547	0.65	**35.9**	ug/L	
122-66-7	1,2-Diphenylhydrazine	A208-547	1.02	**40.6**	ug/L	
541-73-1	1,3-Dichlorobenzene	A208-547	0.68	**31.8**	ug/L	
106-46-7	1,4-Dichlorobenzene	A208-547	0.73	**37.2**	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	A208-547	0.72	**19.1**	ug/L	
95-95-4	2,4,5-Trichlorophenol	A208-547	0.52	**33.6**	ug/L	
88-06-2	2,4,6-Trichlorophenol	A208-547	0.84	**32.2**	ug/L	
120-83-2	2,4-Dichlorophenol	A208-547	0.72	**33.0**	ug/L	
105-67-9	2,4-Dimethylphenol	A208-547	0.90	**36.5**	ug/L	
51-28-5	2,4-Dinitrophenol	A208-547	1.61	**35.4**	ug/L	
121-14-2	2,4-Dinitrotoluene	A208-547	0.75	**32.4**	ug/L	
606-20-2	2,6-Dinitrotoluene	A208-547	0.99	**32.5**	ug/L	
91-58-7	2-Chloronaphthalene	A208-547	0.80	**39.3**	ug/L	
95-57-8	2-Chlorophenol	A208-547	0.64	**31.5**	ug/L	
91-57-6	2-Methylnaphthalene	A208-547	0.74	**40.8**	ug/L	
95-48-7	2-Methylphenol	A208-547	0.46	**35.5**	ug/L	
88-74-4	2-Nitroaniline	A208-547	0.49	**33.5**	ug/L	
88-75-5	2-Nitrophenol	A208-547	0.62	**33.6**	ug/L	
106-44-5	3+4-Methylphenol	A208-547	0.31	**34.8**	ug/L	
91-94-1	3,3'-Dichlorobenzidine	A208-547	1.33	ND	ug/L	U
99-09-2	3-Nitroaniline	A208-547	0.34	**43.6**	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	A208-547	0.47	**36.7**	ug/L	
101-55-3	4-Bromophenyl phenyl ether	A208-547	1.01	**35.9**	ug/L	
59-50-7	4-Chloro-3-methylphenol	A208-547	0.73	**33.9**	ug/L	
106-47-8	4-Chloroaniline	A208-547	0.42	**40.7**	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	A208-547	0.86	**37.2**	ug/L	
100-01-6	4-Nitroaniline	A208-547	0.52	**40.5**	ug/L	
100-02-7	4-Nitrophenol	A208-547	1.61	**21.2**	ug/L	
83-32-9	Acenaphthene	A208-547	0.77	**40.0**	ug/L	
208-96-8	Acenaphthylene	A208-547	0.74	**42.1**	ug/L	
62-53-3	Aniline	A208-547	0.46	**33.6**	ug/L	

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4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MSD
Client Sample ID: MW-21
Matrix: Liquid
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Collected: 3/27/2013 15:05
Type: Grab

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	A208-547	0.88	**45.7**	ug/L	
92-87-5	Benzidine	A208-547	48.2	ND	ug/L	U
56-55-3	Benzo(a)anthracene	A208-547	0.96	**41.6**	ug/L	
50-32-8	Benzo(a)pyrene	A208-547	0.82	**33.2**	ug/L	
205-99-2	Benzo(b)fluoranthene	A208-547	0.85	**34.4**	ug/L	
191-24-2	Benzo(g,h,i)perylene	A208-547	0.85	**35.3**	ug/L	
207-08-9	Benzo(k)fluoranthene	A208-547	1.00	**39.5**	ug/L	
65-85-0	Benzoic acid	A208-547	10.0	**15.3**	ug/L	J
100-51-6	Benzyl alcohol	A208-547	0.41	**34.7**	ug/L	
85-68-7	Butyl benzyl phthalate	A208-547	1.06	**39.0**	ug/L	
86-74-8	Carbazole	A208-547	1.99	**41.6**	ug/L	
218-01-9	Chrysene	A208-547	1.00	**40.3**	ug/L	
	Cresols	A208-547	0.77	**70.3**	ug/L	
84-74-2	Di-n-butyl phthalate	A208-547	1.08	**42.1**	ug/L	
117-84-0	Di-n-octyl phthalate	A208-547	1.28	**30.1**	ug/L	
53-70-3	Dibenz(a,h)anthracene	A208-547	1.00	**35.6**	ug/L	
132-64-9	Dibenzofuran	A208-547	0.62	**42.2**	ug/L	
84-66-2	Diethyl phthalate	A208-547	1.00	**41.5**	ug/L	
131-11-3	Dimethyl phthalate	A208-547	0.78	**39.8**	ug/L	
206-44-0	Fluoranthene	A208-547	0.96	**28.1**	ug/L	
86-73-7	Fluorene	A208-547	0.82	**41.7**	ug/L	
118-74-1	Hexachlorobenzene	A208-547	0.86	**36.8**	ug/L	
87-68-3	Hexachlorobutadiene	A208-547	0.78	**32.3**	ug/L	
77-47-4	Hexachlorocyclopentadiene	A208-547	0.21	**25.1**	ug/L	
67-72-1	Hexachloroethane	A208-547	0.69	**32.9**	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	A208-547	0.90	**35.1**	ug/L	
78-59-1	Isophorone	A208-547	0.69	**41.2**	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	A208-547	0.57	**31.9**	ug/L	
62-75-9	N-Nitrosodimethylamine	A208-547	0.24	**35.0**	ug/L	
86-30-6	N-Nitrosodiphenylamine	A208-547	1.09	**41.0**	ug/L	
91-20-3	Naphthalene	A208-547	0.78	**44.8**	ug/L	
98-95-3	Nitrobenzene	A208-547	0.71	**32.6**	ug/L	

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MSD
Client Sample ID: MW-21 Collected: 3/27/2013 15:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	A208-547	0.65	**35.6**	ug/L	
85-01-8	Phenanthrene	A208-547	0.95	**42.7**	ug/L	
108-95-2	Phenol	A208-547	0.33	**31.6**	ug/L	
129-00-0	Pyrene	A208-547	0.85	**43.6**	ug/L	
110-86-1	Pyridine	A208-547	0.37	**35.5**	ug/L	
111-91-1	bis(2-Chloroethoxy)methane	A208-547	0.70	**32.4**	ug/L	
111-44-4	bis(2-Chloroethyl)ether	A208-547	0.57	**33.7**	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	A208-547	0.74	**37.0**	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	A208-547	1.26	**40.3**	ug/L	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A208-547	62.8 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A208-547	47.0 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	A208-547	18.0 %	(21 - 110)	*
4165-60-0	NITROBENZENE-D5	A208-547	48.2 %	(35 - 114)	
13127-88-3	PHENOL-D6	A208-547	14.2 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A208-547	52.1 %	(33 - 141)	

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4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-8MSD
Client Sample ID: MW-21
Matrix: Liquid
Remarks:
Analyzed Date: 4/16/2013
Preparation Date(s) : 4/2/2013

Collected: 3/27/2013 15:05
Type: Grab

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	A208-547	81.8 %	(39 - 98)	
95-50-1	1,2-DICHLOROBENZENE	A208-547	89.8 %	(32 - 129)	
106-46-7	1,4-DICHLOROBENZENE	A208-547	93.0 %	(36 - 120)	
121-14-2	2,4-DINITROTOLUENE	A208-547	81.0 %	(24 - 96)	
95-57-8	2-CHLOROPHENOL	A208-547	78.8 %	(27 - 123)	
91-57-6	2-METHYLNAPHTHALENE	A208-547	102.0 %	(28 - 120)	
59-50-7	4-CHLORO-3-METHYLPHENOL	A208-547	84.8 %	(23 - 97)	
100-02-7	4-NITROPHENOL	A208-547	53.0 %	(10 - 80)	
83-32-9	ACENAPHTHENE	A208-547	100.0 %	(46 - 130)	
208-96-8	ACENAPHTHYLENE	A208-547	105.0 %	(33 - 145)	
50-32-8	BENZO(A)PYRENE	A208-547	83.0 %	(17 - 163)	
132-64-9	DIBENZOFURAN	A208-547	106.0 %	(30 - 145)	
78-59-1	ISOPHORONE	A208-547	103.0 %	(21 - 196)	
621-64-7	N-NITROSODI-N-PROPYLAMINE	A208-547	79.8 %	(41 - 116)	
91-20-3	NAPHTHALENE	A208-547	112.0 %	(21 - 140)	
87-86-5	PENTACHLOROPHENOL	A208-547	89.0 %	(09 - 103)	
108-95-2	PHENOL	A208-547	79.0 %	(12 - 110)	
129-00-0	PYRENE	A208-547	109.0 %	(26 - 150)	

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-9
Client Sample ID: MW-23
Matrix: Liquid
Remarks:
Analyzed Date: 4/13/2013
Preparation Date(s) : 4/2/2013

Collected: 3/27/2013 14:30
Type: Grab

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A206-516	0.64	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	A206-516	0.65	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	A206-516	1.02	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	A206-516	0.68	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	A206-516	0.73	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	A206-516	0.72	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	A206-516	0.52	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	A206-516	0.84	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	A206-516	0.72	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	A206-516	0.90	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	A206-516	1.61	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	A206-516	0.75	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	A206-516	0.99	ND	ug/L	U
91-58-7	2-Chloronaphthalene	A206-516	0.80	ND	ug/L	U
95-57-8	2-Chlorophenol	A206-516	0.64	ND	ug/L	U
91-57-6	2-Methylnaphthalene	A206-516	0.74	ND	ug/L	U
95-48-7	2-Methylphenol	A206-516	0.46	ND	ug/L	U
88-74-4	2-Nitroaniline	A206-516	0.49	ND	ug/L	U
88-75-5	2-Nitrophenol	A206-516	0.62	ND	ug/L	U
106-44-5	3+4-Methylphenol	A206-516	0.31	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	A206-516	1.33	ND	ug/L	U
99-09-2	3-Nitroaniline	A206-516	0.34	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	A206-516	0.47	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	A206-516	1.01	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	A206-516	0.73	ND	ug/L	U
106-47-8	4-Chloroaniline	A206-516	0.42	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	A206-516	0.86	ND	ug/L	U
100-01-6	4-Nitroaniline	A206-516	0.52	ND	ug/L	U
100-02-7	4-Nitrophenol	A206-516	1.61	ND	ug/L	U
83-32-9	Acenaphthene	A206-516	0.77	ND	ug/L	U
208-96-8	Acenaphthylene	A206-516	0.74	ND	ug/L	U
62-53-3	Aniline	A206-516	0.46	ND	ug/L	U

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Semivolatile Compounds - EPA 8270C

Sample: 1304000-9
Client Sample ID: MW-23
Matrix: Liquid
Remarks:
Analyzed Date: 4/13/2013
Preparation Date(s) : 4/2/2013

Collected: 3/27/2013 14:30
Type: Grab

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	A206-516	0.88	ND	ug/L	U
92-87-5	Benzidine	A206-516	48.2	ND	ug/L	U
56-55-3	Benzo(a)anthracene	A206-516	0.96	ND	ug/L	U
50-32-8	Benzo(a)pyrene	A206-516	0.82	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	A206-516	0.85	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	A206-516	0.85	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	A206-516	1.00	ND	ug/L	U
65-85-0	Benzoic acid	A206-516	10.0	ND	ug/L	U
100-51-6	Benzyl alcohol	A206-516	0.41	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	A206-516	1.06	ND	ug/L	U
86-74-8	Carbazole	A206-516	1.99	ND	ug/L	U
218-01-9	Chrysene	A206-516	1.00	ND	ug/L	U
	Cresols	A206-516	0.77	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	A206-516	1.08	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	A206-516	1.28	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	A206-516	1.00	ND	ug/L	U
132-64-9	Dibenzofuran	A206-516	0.62	ND	ug/L	U
84-66-2	Diethyl phthalate	A206-516	1.00	ND	ug/L	U
131-11-3	Dimethyl phthalate	A206-516	0.78	ND	ug/L	U
206-44-0	Fluoranthene	A206-516	0.96	ND	ug/L	U
86-73-7	Fluorene	A206-516	0.82	ND	ug/L	U
118-74-1	Hexachlorobenzene	A206-516	0.86	ND	ug/L	U
87-68-3	Hexachlorobutadiene	A206-516	0.78	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	A206-516	0.21	ND	ug/L	U
67-72-1	Hexachloroethane	A206-516	0.69	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	A206-516	0.90	ND	ug/L	U
78-59-1	Isophorone	A206-516	0.69	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	A206-516	0.57	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	A206-516	0.24	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	A206-516	1.09	ND	ug/L	U
91-20-3	Naphthalene	A206-516	0.78	ND	ug/L	U
98-95-3	Nitrobenzene	A206-516	0.71	ND	ug/L	U

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Phone - 631-249-1456 Fax - 631-249-8344

4/18/2013

Semivolatile Compounds - EPA 8270C

Sample: 1304000-9
Client Sample ID: MW-23 Collected: 3/27/2013 14:30
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	A206-516	0.65	ND	ug/L	U
85-01-8	Phenanthrene	A206-516	0.95	ND	ug/L	U
108-95-2	Phenol	A206-516	0.33	ND	ug/L	U
129-00-0	Pyrene	A206-516	0.85	ND	ug/L	U
110-86-1	Pyridine	A206-516	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	A206-516	0.70	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	A206-516	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	A206-516	0.74	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	A206-516	1.26	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A206-516	87.2 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A206-516	57.5 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	A206-516	23.9 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	A206-516	66.6 %	(35 - 114)	
13127-88-3	PHENOL-D6	A206-516	17.1 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A206-516	58.4 %	(33 - 141)	

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4/18/2013

Metals by Method SW846 6010/EPA 200.7

Sample: 1304000-5
Client Sample ID: MW-10 Collected: 3/27/2013 17:25
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	**0.018**	mg/L	
7440-50-8	Copper	0.0034	**0.010**	mg/L	
7440-02-0	Nickel	0.0014	**0.012**	mg/L	

Sample: 1304000-6
Client Sample ID: MW-12 Collected: 3/27/2013 17:20
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	**0.023**	mg/L	
7440-50-8	Copper	0.0034	**0.32**	mg/L	
7440-02-0	Nickel	0.0014	**0.99**	mg/L	

Sample: 1304000-10
Client Sample ID: MW-26R Collected: 3/27/2013 13:20
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0020	**0.020**	mg/L	
7440-50-8	Copper	0.0056	**0.30**	mg/L	
7440-02-0	Nickel	0.0024	**0.012**	mg/L	

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Metals by Method SW846 6010/EPA 200.7

Sample: 1304000-10MS
Client Sample ID: MW-26R
Matrix: Liquid
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Collected: 3/27/2013 13:20
Type: Grab

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0020	**0.35**	mg/L	
7440-50-8	Copper	0.0056	**0.70**	mg/L	
7440-02-0	Nickel	0.0024	**0.80**	mg/L	

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-47-3	Chromium	C4412-40	99.1	(75 - 125)	
7440-50-8	Copper	C4412-40	97.0	(75 - 125)	
7440-02-0	Nickel	C4412-40	94.5	(75 - 125)	

Sample: 1304000-10MSD
Client Sample ID: MW-26R
Matrix: Liquid
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Collected: 3/27/2013 13:20
Type: Grab

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0020	**0.41**	mg/L	
7440-50-8	Copper	0.0056	**0.72**	mg/L	
7440-02-0	Nickel	0.0024	**0.84**	mg/L	

Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-47-3	Chromium	C4412-41	118.0	(75 - 125)	
7440-50-8	Copper	C4412-41	102.0	(75 - 125)	
7440-02-0	Nickel	C4412-41	99.9	(75 - 125)	

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Nickel, Total by Method SW846 6010

Sample: 1304000-1
Client Sample ID: MW-2 Collected: 3/27/2013 13:40
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**0.26**	mg/L	

Sample: 1304000-2
Client Sample ID: MW-2 Collected: 3/27/2013 12:50
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**0.074**	mg/L	

Sample: 1304000-3
Client Sample ID: MW-4 Collected: 3/27/2013 12:05
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**0.37**	mg/L	

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Nickel, Total by Method SW846 6010

Sample: 1304000-4

Client Sample ID: MW-5R
Collected: 3/27/2013 12:30
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/5/2013
Preparation Date(s) : 4/2/2013

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	**4.95**	mg/L	

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ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected