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:

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JUNE 2017

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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 248 Wyandanch Avenue, Wyandanch, New York ("Site"). A PRR is required for sites in active Site management with the New York State Department of Environmental Conservation (NYSDEC) as promulgated in Section 6.3(b) of DER-10 and covers the reporting period of May 31, 2016 to May 31, 2017 and reports on Site specific management requirements as described in the Site Management Plan (SMP), dated July 27, 2009, prepared by GEC and approved by the NYSDEC, and addendum to the SMP requested and approved by the NYSDEC on March 31, 2016. Groundwater monitoring is conducted once annually in the spring. Site inspections are conducted on a semi-annual basis in the spring and fall.

Summary

The Site (#1-52-006) consists of approximately 9.35 +/- acres and located in a mixed industrial/commercial/residential area. The Site is improved with a single-story concrete block building surrounded by paved and unpaved areas. The Site Locus is included as Figure 1 and the Site Plan is included as Figure 2. The Site is currently owned and occupied by Linzer Products, Inc. (Linzer), a manufacturer of painting products and 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 manufacturing included plating parts with chrome and nickel.

Environmental investigations have identified five discreet Areas of Concern (AOC) on the Site. 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. Polycyclic Aromatic Hydrocarbons (PAHs) from a release of cutting oil were detected in the northern portion of the Site identified as AOC-4.

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

Effectiveness of the Remedial Program

The remedial program has proven effective in fulfillment of remediation goals outlined in the SMP. Only slightly elevated concentrations of nickel and copper exceed the NYSDEC Class GA

Groundwater Standard (Class-GA) in groundwater at the Site. Analytical results for the semiannual sampling events (conducted in April 2017) indicate steady state conditions for monitored parameters that are below concentrations observed prior to conducting remedial actions in 2006.

During the 2016/2017 monitoring period, GEC noted no significant change in the concentrations of metals except for nickel at MW-3, which is an order of magnitude higher than the concentrations reported for previous two groundwater monitoring events. However, the concentration is 2017 is similar to those detected in 2013 and 2014. In addition, the 2016 PRR reported abnormally high concentrations of nickel at MW-5R. However, groundwater samples collected during the spring 2017 have concentrations of nickel consistent with historic post remedial groundwater concentrations. Reported concentrations of total chromium and copper remain consistent with historic post remedial concentrations with only slight fluctuations from the previous monitoring period being reported.

As reported historically, detected concentrations of nickel at MW-2, MW-4, MW-5R and MW-12 exceeded the Class-GA in samples collected during the recent monitoring event conducted on April 10, 2017. Copper was also reported to have exceeded Class-GA in the sample collected from MW-12.

During this monitoring event samples were not collected from MW-19 due to the presence of 0.01 feet of light non-aqueous phase liquid (LNAPL). The laboratory report flagged concentration of di-n-butyl phthalate in MW-20, MW-21 and MW-23. These results were flagged because this compound was also detected in the method blank. Di-n-butyl phthalate was also flagged as being contained in the method blank in samples collected on March 23, 2011. However, it had been detected in a sample collected from MW-19 on April 21, 2015. No reported concentrations of PAHs exceeded Class-GA or guidance values.

Compliance

No compliance issues were found with the groundwater sampling program, SMP, or the IC/EC described in the Environmental Easement. On January 23, 2012, the NYSDEC notified Linzer that all remediation work required at the Jameco Site is completed. The Site was subsequently reclassified as a Class 4 environmental Site. Watts (the previous PRP) addressed the "existing OHM condition" and fulfilled its obligation required in the Purchase and Sale agreement with Linzer. Under the Environmental Easement that Linzer entered with NYSDEC on August 2, 2012, Linzer assumed all of the remaining obligations under the NYSDEC-approved Site Management Plan. In a letter, dated May 16, 2012, Linzer consented to the responsibility of the remaining periodic inspections, monitoring and reporting as outlined in the SMP.

Recommendations

Linzer should continue with the monitoring events at the approved frequency. IC/EC inspection should take place in September and April of each year and groundwater monitoring should be conducted in April of each year.

2.0 SITE OVERVIEW

The Site, located in the Suffolk County, New York, 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 within 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 describe the nature and extent of soil contamination prior to site remediation. Refer to Figure 2 for a site plan for the location of all five AOCs.

AOC - 1 is located to the east-southeast of the building directly east of the current loading dock area. AOC-1 contained a seepage lagoon where four heavy metals (chromium, nickel, copper and zinc) were released to the environment at levels exceeding relevant standards, criteria, and guidance in soil. All four metals were also detected in groundwater downgradient of AOC-1; however, only nickel was detected above relevant standards, criteria, and guidance.

AOC – 2, within the former Jameco building near the center of the building, was formerly a degreasing area. Elevated concentrations of VOCs (i.e., trichloroethene (TCE), 1,2-dichloroethene (1,2-DCE) and tetrachloroethene (PCE)) were detected above relevant standards, criteria, and guidance in soil and groundwater in this area.

AOC – 3, a square area extending southward from the southern property line, was the former location of forty-eight leaching chambers that received treated process water. A release to the environment of four heavy metals (chromium, nickel, copper and zinc) occurred to the soil during the leaching process. Moderate to elevated concentrations of metals above relevant standards, criteria, and guidance were detected in soils in this area. Low to moderate concentrations of metals above relevant standards, criteria, and guidance were also detected in groundwater within the former leaching pool area.

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

AOC – 5, located within the former Jameco building near the center of the building was a former a metal plating shop. Four metals (chromium, nickel, copper and zinc) were detected in soil at concentrations exceeding relevant standards, criteria, and guidance. In groundwater, chromium, copper, and zinc were detected at concentrations above relevant standards, criteria, and guidance.

In December 1983, NYSDEC listed the Site as a Class 2a site. In May 1992 the NYSDEC reclassified the Site to Class 2 - however, after petitioning by 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. Amendments were added 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 are 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 a Remedial Design Plan, summarizing the steps necessary to implement the proposed Amended ROD, was submitted. In March 2006 the final ROD Amendment was issued. ROD activities commenced in the fall of 2006. Chemical injections were completed on November 6, 2006. The replacement of monitoring wells MW-3 and MW-4 were completed on April 29, 2008. The Final Engineering Report, dated August 29, 2011, summarized site remedies conducted at the Site in accordance with the ROD.

The NYSDEC approved the Final Engineering Report 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 place.

As stated in the Amended 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 PAHs 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 are collected from wells identified in Table 1 and analyzed for the listed analytes. Sampling was conducted quarterly for the first year after initiation of remediation and then semi-annually for the next four years. The year of quarterly sampling was completed on September 11, 2008; the semi-annual monitoring began in March 2009

and has continued until on April 2015. GEC, on behalf of Linzer, requested a change in the groundwater monitoring frequency to an annual event instead of a semi-annual event. Approval for this change was granted on March 31, 2016. This report summarizes the annual sampling conducted during April 2017 and semi-annual inspection of the IC/ECs conducted in October 2016 and April 2017.

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

The SMP was issued to the NYSDEC and approved on August 12, 2009. According to the plan, the NYSDEC would be notified of construction or development activities that may disturb existing subsurface contamination. A periodic certification, prepared by a professional engineer or environmental professional acceptable to NYSDEC, would also be submitted certifying that institutional controls and engineering controls remain 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/ECs established for the Site include the maintenance of a protective soil cover system over each AOC and a prohibition against development of groundwater as a source of potable or process water without treatment. These controls have been implemented to reduce exposures of persons at or around the Site to metals and PAHs in soil and groundwater.

During the April 2017 monitoring event, 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. Groundwater samples were also collected from monitoring wells MW-20, MW-21 and MW-23 in April 2017 for PAHs. MW-19 was not sampled during this monitoring period due to the presence of 0.01 feet of LNAPL in the well. The product thickness was measured with an oil water interface probe. The laboratory results for the monitoring wells sampled were used to evaluate the effectiveness of the remedies.

The selected remedies to reduce or eliminate the release of contaminants from soil into groundwater are effective at remediating nickel, copper, chromium, zinc, and PAHs. Refer to Table 2 and 3 for a completed summary of the analytical results for PAHs and metals, respectively.

- The concentration of nickel in 4 of the 7 (MW-2, MW-4, MW-5R and MW-12) groundwater samples analyzed exceeded Class-GA, but were all within post-remedial historic ranges.
- The concentration of copper did exceed Class-GA in MW-12 during this annual sampling event.

- Low to non-detect concentrations of chromium were reported for the 3 monitoring wells (MW-10, MW-12 and MW-26R) sampled and are within the historical ranges. No reported concentration exceeded Class-GA.
- Monitoring wells MW-19, MW-20, MW-21 and MW-23 are listed to be sampled for PAHs. These wells are located within AOC-4, on the north side of the Site building. MW-19 was not sampled due to the presence of 0.01 feet of LNAPL as measured with an oil/water interface probe. The laboratory reported a flagged concentration of di-n-butyl phthalate in both MW-21 and MW-23. These results were flagged by the lab because this compound was also detected in the method blank. Di-n-butyl phthalate has been detected in a groundwater sample collected historically at the Site in MW-19 in April 2015. The April 2015 detection was reported as an estimate due to conflicts with the contracted detection limit. This was the only reported detection of any PAH in groundwater samples submitted for analysis and no concentration exceeded Class-GA or guidance values. The LNAPL observed at MW-19 does not appear to be a significant continuing source of PAHs within AOC-4, which is consistent with previous sampling results.

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 PAHs in groundwater by prohibiting the use of groundwater as a source of potable or process water without appropriate water quality treatment. An Environmental Easement 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 Environmental Easement 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 is required to provide 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. 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

PAHs 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 November 7, 2016 and April 10, 2017 to inspect Site conditions and collect groundwater samples (April 2017 only). Please refer to photographs taken during the November 2016 and the April 2017 inspection, in Attachment 2. 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 PAHs 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. In October 2015, proposed plans were described to GEC for development outside of the AOCs, which may entail the relocation of Site drainage, but plans are on hold until appropriate approvals can be acquired. Although the proposed development is outside the AOCs, Linzer has indicated that GEC will be consulted prior to proceeding with development plans.

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 were a total of 24 groundwater monitoring wells on Site; however, a subset of 11 monitoring wells is 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. Laboratory analysis includes total chromium, copper, and nickel via USEPA Method 6010/7000s and/or PAHs 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 June 2016 one round of long-term groundwater monitoring has been conducted during April 2017. A total of 11 monitoring wells were to be sampled for metals or PAHs as shown in Table 1. Due to the presence of LNAPL at MW-19 a total of 10 monitoring wells were sampled in April 2017.

Prior to groundwater sampling, the groundwater level in each well was measured and recorded. Peristaltic pumps with polyethylene tubing were used to purge and sample monitoring wells. 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. Laboratory analysis included total chromium, copper and nickel via USEPA Method 6010 or PAHs via USEPA Method 8270C. Samples were submitted to Essential Environmental Technologies, Inc. of Farmingdale, NY, (formerly Environmental Quality Testing) a New York State certified laboratory under proper chain-of-custody documentation. A copy of the analytical reports and chains-of-custody are included in Attachment 3.

During the April 2017 groundwater monitoring event a malfunctioning turbidity probe prevented the collection of reliable turbidity data at most monitoring wells. Due to the consistent nature of historically reported turbidity data, GEC is confident that no groundwater samples were impacted by turbidity.

GEC personnel did report an observation of a sheen, but no odor, on the purge water removed from monitoring well MW-2 and a slight "burnt" odor was detected on purge water removed from MW-4. It is not clear if the sheen observed was biological in nature or from a release of petroleum. MW-2 and MW-4 are located in AOC-3 where remedial objectives were to treat heavy metal

contamination. MW-3 and MW-4 had historically (prior to remedial activities) been sampled for PAHs and none were detected above detection limits. The immediate area around these monitoring wells was inspected for surface staining and a nearby catch basin was inspected for the presence of a sheen on the water surface. Neither staining on the ground surface or a sheen in the nearby catch basin was observed. This situation will be monitored during future inspections.

Comparison with Remedial Objectives

The remediation goal for the Site is to attain, to the extent practicable, ambient Class GA groundwater quality standards. Overall, metal concentrations are consistent compared to historical data; however, nickel in groundwater at a few monitoring wells remain at or above the Class-GA. Results reported for this monitoring period indicate that total chromium does not exceed the Class-GA groundwater quality standard at any of the sampled monitoring wells.

Four (MW-2, MW-4, MW-5R, and MW-12) of the seven monitoring wells sampled for nickel exceeded the Class-GA. One (MW-12) of the three monitoring wells sampled for copper exceeded Class GA Groundwater Standard.

Monitoring data for this monitoring period indicates only slight fluctuations in the groundwater concentrations of total chromium to the previous post treatment monitoring periods and remain within historical levels. Chromium was not detected at concentrations exceeding the Class GA Groundwater Standard. Please refer to Table 3 for a summary of analytical data for total metals.

MW-19, MW-20, MW-21 and MW-23 are to be sampled for PAHs during each monitoring period. In April, 2017 GEC did not collect groundwater sampled from MW-19 due to the presence of 0.01 feet of LNAPL. Results from groundwater samples collected from the monitoring wells sampled for PAHs during this monitoring period indicate the presence of di-n-butyl phthalate. These reported detections were flagged by the lab due to the presence of this compound in the method blank. This will be monitored in the future, but it is likely that this compound is not present in the groundwater at the Site and the detection is a result of a laboratory error, although it was once reported as an estimated concentrations due to conflicts with the contracted detection limit from a sample from MW-19 collected in April 2015. No other PAH compounds were detected above laboratory detection limits in any of the collected groundwater samples.

Please refer to Table 2 for a summary of PAHs analytical data.

Changes made 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 that made recommendations to eliminate monitoring wells. During the course of long-term groundwater monitoring it became evident that some individual wells no longer exceeded Class-GA 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 PAH 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. The PRR submitted for the June 2015 to May 2016 monitoring period discussed the reasoning behind reducing the monitoring frequency from semi-annually to an annual event. GEC received oral approval from the NYSDEC after submitting this PRR and official approval in the form of a Site Management Addendum letter dated March 31, 2016 (included in the June 2017 PRR).

6.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

SMP Compliance

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

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. GEC has modified the sampling plan in 2016 to go from semiannual sampling to annual sampling with NYSDEC authorization.

Performance and Effectiveness of the Remedy

The IC/EC established in the Environmental Easement have been effective in achieving the remedial objective to eliminate exposures of persons at or around the Site to metals and PAHs 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 annual groundwater monitoring is sufficient to evaluate the variability of total chromium, copper, and nickel concentrations in groundwater. The LNAPL that is present historically in MW-19 does not appear to be contributing to groundwater contamination as the recent analytical results suggest. Continued monitoring of PAHs in AOC-4 at a reduced frequency is sufficient to evaluate the presence or absence of LNAPL.

The sheen and odor detected on purge water from MW-2 and MW-4 may need to be addressed further to determine the nature of these observations. If a sheen is observed during the next groundwater monitoring event a sample for PAHs GEC may collect a groundwater sampled and have it analyzed to determine if this is associated with a petroleum release.

The current remedy has significantly improved water quality. GEC will continue to monitor its effectiveness.

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, 2017. The frequency of sampling events shall continue to be conducted annually and Site inspections will continue to be conducted 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.

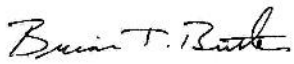
Respectfully submitted,

Goldman Environmental Consultants, Inc.

Prepared By:

Michael Bradley
Environmental Scientist

Approved By:



Brian T. Butler, PG
Senior Vice President, Operations

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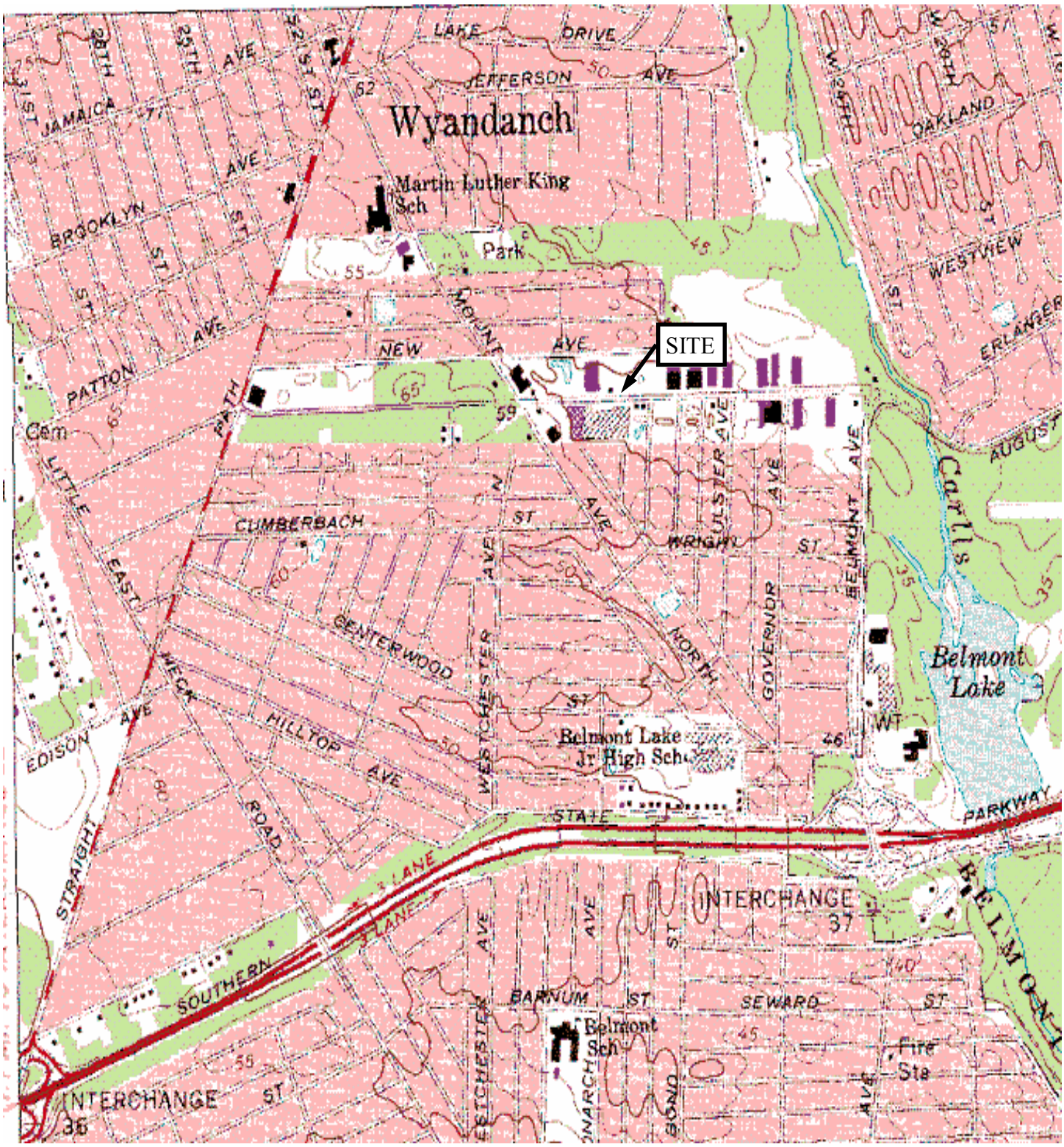
FIGURES



USGS 7.5 Minute Topographic

Bay Shore
NewYork, Quadrangle

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SITE LOCUS

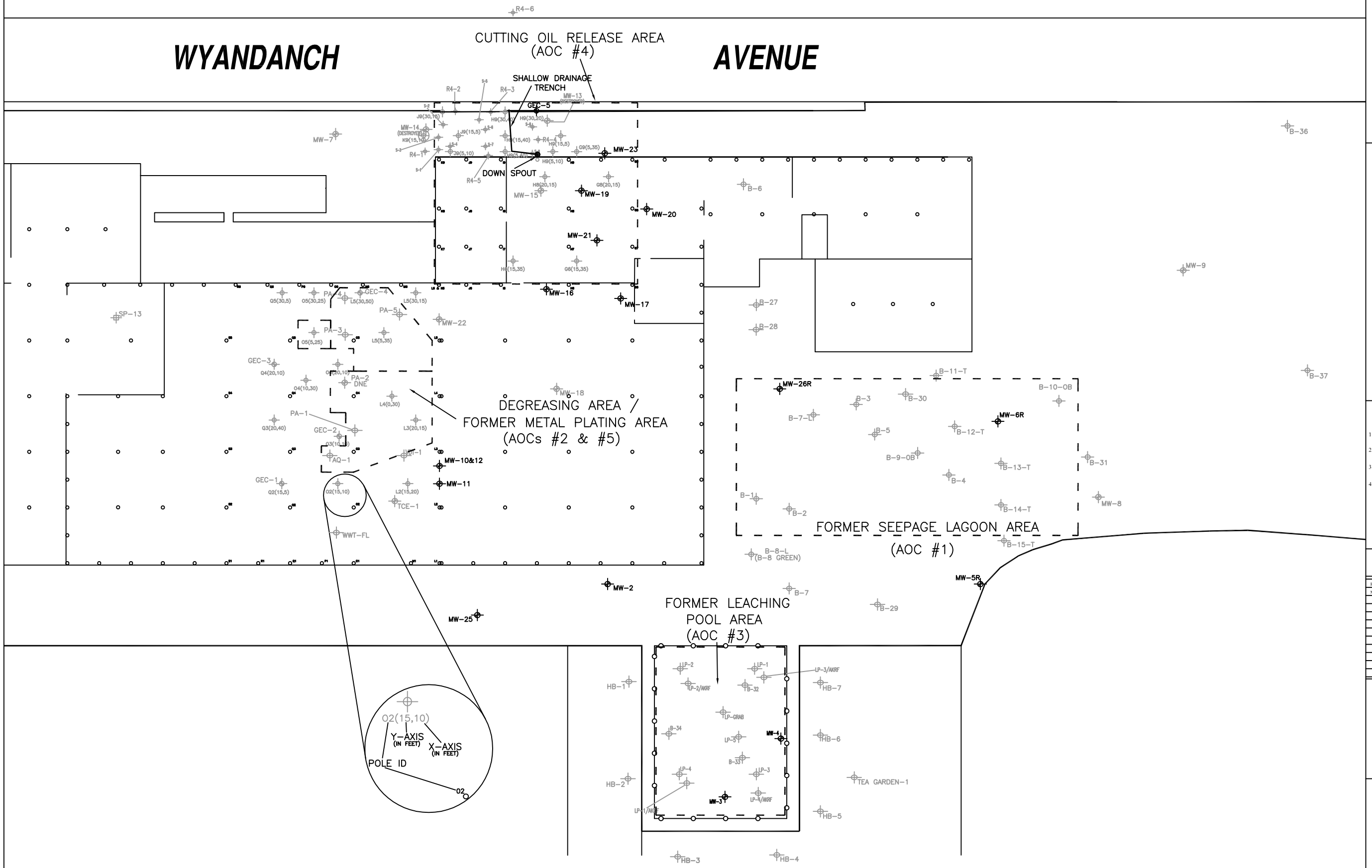
248 Wyandanch Avenue
Wyandanch, New York

GEC Project #: 444-5010

Figure 1

Scale
1 : 25,000

N



GEC

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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	Dimethyl Pthalate	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**		1.0		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[7] = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

B= The method blank associated with th

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 6/13/2017

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 Operationa
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 wi
2-Methylnaphthalene at 5.57 ug
ese samples contained compunds detected at an unknown concentration

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	Dimethyl Pthalate	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	B 0.97			ND	1.07
	4/21/2015 ***	8270D	ND	0.96	ND	1.10	ND	1.20	ND	0.51	ND	0.52	ND	1.25	ND	0.91	ND	1.66	ND	0.90	1.49	J 1.35			ND	1.25
	4/20/2016***	Well was not sampled due to the detection of 0.03' of LNAPL																								
	4/10/2017***	Well was not sampled due to the detection of 0.01' of LNAPL																								
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	B 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
	9/17/2013***	8270D	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
	3/11/2014***	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
	4/20/2016***	Well was not sampled due to a damaged road box																								
	4/10/2017***	8270D	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	9.06	B 1.08	ND	0.78	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	B 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
	9/17/2013***	8270D	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
	3/11/2014***	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
	9/17/2014***	8270D	ND	0.86	ND	0.98	ND	0.91	ND	0.46	ND	0.47	ND	1.11	ND	0.83	ND	1.48	ND	1.79	ND	1.20			ND	1.11
	4/21/2015***	8270D	ND	0.96	ND	1.10	ND	1.20	ND	0.51	ND	0.52	ND	1.25	ND	0.91	ND	1.66	ND	0.90	ND	1.35			ND	1.25
	4/20/2016	8270D	ND	3.85	ND	4.40	ND	4.80	ND	2.05	ND	2.10	ND	5.00	ND	3.65	ND	6.65	ND	3.65	ND	5.40	16.70	B 3.90	ND	5.00
	4/10/2017***	8270D	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	8.42	B 1.08	ND	0.78	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	B 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
	9/17/2013***	8270D	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
	3/11/2014***	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
	9/17/2014***	8270D	ND	1.10	ND	1.26	ND	1.37	ND	0.59	ND	0.60	ND	1.43	ND	1.04	ND	1.90	ND	1.03	ND	1.54			ND	1.43
	4/21/2015***	8270D	ND	0.96	ND	1.10	ND	1.02	ND	0.51	ND	0.52	ND	1.25	ND	0.91	ND	1.66	ND	0.90	2.74	1.35			ND	1.25
	4/20/2016***	8270D	ND	3.85	ND	4.40	ND	4.80	ND	2.05	ND	2.10	ND	5.00	ND	3.65	ND	6.65	ND	3.65	ND	5.40	19.60	B 3.90	ND	5.00
	4/10/2017***	8270D	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	10.07	B 1.08	ND	0.78	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**		3.0		5.0**		1.0		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

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

SQL= Sample Quantitation Limit
8270= USEPA Method 8270
B= The method blank associated with these samples contained compunds detected at an unknown concentr
GEC-5[+] = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 6/13/2017

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	**0.20**	0.001	0.119	0.002
	3/30/2009***	6010/200.7	ND	0.0016	ND	0.0029	**0.15**	0.0005	0.040	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	ND	0.0026	**0.14**	0.0005	0.0044	0.0044
	3/24/2010***	6010/200.7	NA	- -	NA	- -	**0.13**	0.0017	NA	- -
	3/23/2011***	6010/200.7	NA	- -	NA	- -	**0.29**	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA	- -	NA	- -	**0.17**	0.00072	NA	- -
	4/2/2012***	6010/200.7	NA	- -	NA	- -	**0.24**	0.0014	NA	- -
	9/18/2012***	6010/200.7	NA	- -	NA	- -	0.094	0.0014	NA	- -
	3/27/2013***	6010/200.7	NA	- -	NA	- -	**0.26**	0.0014	NA	- -
	9/17/2013***	6010C	NA	- -	NA	- -	**0.28**	0.0014	NA	- -
	3/11/2014***$	6010B	NA	- -	NA	- -	**0.36**	0.0014	NA	- -
	9/17/2014***	6010C	NA	- -	NA	- -	**0.23**	0.0014	NA	- -
	4/21/2015***	6010C	NA	- -	NA	- -	0.17	0.0014	NA	- -
	4/20/2016***	6010C	NA	- -	NA	- -	**0.27**	0.0071	NA	- -
	4/10/2017***	6010C	NA	- -	NA	- -	**0.22**	0.0071	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	0.05	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	0.13	0.0005	0.045	0.0044
	9/28/2009***	6010/200.7	0.013	0.0016	0.0710	0.0029	0.12	0.0005	0.030	0.0044
	3/24/2010***	6010/200.7	NA	- -	NA	- -	0.064	0.0017	NA	- -
	3/23/2011***	6010/200.7	NA	- -	NA	- -	0.074	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA	- -	NA	- -	0.091	0.00072	NA	- -
	4/2/2012***	6010/200.7	NA	- -	NA	- -	0.11	0.0014	NA	- -
	9/18/2012	6010/200.7	NA	- -	NA	- -	0.065	0.0014	NA	- -
	3/27/2013***	6010/200.7	NA	- -	NA	- -	0.074	0.0014	NA	- -
	9/17/2013***	6010C	NA	- -	NA	- -	0.11	0.0014	NA	- -
	3/11/2014***$	6010B	NA	- -	NA	- -	0.080	0.0014	NA	- -
	9/17/2014***	6010C	NA	- -	NA	- -	0.13	0.0014	NA	- -
	4/21/2015***	6010C	NA	- -	NA	- -	0.049	0.0014	NA	- -
	4/20/2016***	6010C	NA	- -	NA	- -	0.048	0.0071	NA	- -
	4/10/2017***	6010C	NA	- -	NA	- -	0.15	0.0071	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
	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	**0.62**	0.0005	0.1300	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	0.0410	0.0029	**0.44**	0.0005	0.0820	0.0044
	3/24/2010***	6010/200.7	NA	- -	NA	- -	**0.50**	0.0017	NA	- -
	3/23/2011***	6010/200.7	NA	- -	NA	- -	**0.65**	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA	- -	NA	- -	**0.92**	0.00072	NA	- -
	4/2/2012***	6010/200.7	NA	- -	NA	- -	**0.31**	0.0014	NA	- -
	9/18/2013***	6010/200.7	NA	- -	NA	- -	**0.41**	0.0014	NA	- -
	3/27/2013***	6010/200.7	NA	- -	NA	- -	**0.37**	0.0014	NA	- -
	9/17/2013***	6010C	NA	- -	NA	- -	**0.72**	0.0014	NA	- -
	3/11/2014***	6010B	NA	- -	NA	- -	**0.42**	0.0014	NA	- -
	9/17/2014***	6010C	NA	- -	NA	- -	**0.78**	0.0014	NA	- -
	4/21/2015***	6010C	NA	- -	NA	- -	**0.45**	0.0014	NA	- -
	4/20/2016***	6010C	NA	- -	NA	- -	**0.19**	0.0071	NA	- -
	4/10/2017***	6010C	NA	- -	NA	- -	**0.21**	0.0071	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	**0.20**	0.0005	0.1300	0.0044
	9/28/2009***	6010/200.7	ND	0.0016	ND	0.0029	**0.16**	0.0005	0.0700	0.0044
	3/24/2010***	6010/200.7	NA	- -	NA	- -	**0.17**	0.0017	NA	- -
	3/23/2011***	6010/200.7	NA	- -	NA	- -	**1.18**	0.00072	NA	- -
	9/21/2011***	6010/200.7	NA	- -	NA	- -	ND	0.00072	NA	- -
	4/2/2012***	6010/200.7	NA	- -	NA	- -	**0.22**	0.0014	NA	- -
	9/18/2012***	6010/200.7	NA	- -	NA	- -	**0.20**	0.0014	NA	- -
	3/27/2013***	6010/200.7	NA	- -	NA	- -	**4.95**	0.0014	NA	- -
	9/17/2013***	6010C	NA	- -	NA	- -	**0.38**	0.0014	NA	- -
	3/11/2014***	6010B	NA	- -	NA	- -	**0.78**	0.0014	NA	- -
	9/17/2014***	6010C	NA	- -	NA	- -	**0.73**	0.0014	NA	- -
	4/21/2015***	6010C	NA	- -	NA	- -	**0.57**	0.0014	NA	- -
	4/20/2016***	6010C	NA	- -	NA	- -	**3.64**	0.0014	NA	- -
	4/10/2017***	6010C	NA	- -	NA	- -	**0.77**	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	0.032	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		0.4		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
$= In March 2014 these samples were field filtered with a 0.45µm filter prior to collection in error

Prepared By: RK
Reviewed By: BTB
Revised: 6/13/2017

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	0.024		0.0012	0.021		0.0034	0.0088		0.0014	NA		- -
	9/18/2012***	6010/200.7	**0.26**		0.0012	**0.49**		0.0034	0.069		0.0014	NA		- -
	3/27/2013***	6010/200.7	0.018		0.0012	0.010		0.0034	0.012		0.0014	NA		- -
	9/17/2013***	6010C	0.0054		0.0012	0.0066		0.0034	0.0055		0.0014	NA		- -
	3/11/2014***$	6010B	0.0023		0.0012	0.0077		0.0034	0.0065		0.0014	NA		- -
	9/17/2014***	6010C	ND		0.0012	0.025		0.0034	0.0020		0.0014	NA		- -
	4/21/2015***	6010C	0.012		0.0012	0.031		0.0034	0.0058		0.0014	NA		- -
	4/20/2016***	6010C	ND		0.0034	0.070		0.0031	0.019		0.0071	NA		- -
	4/10/2017***	6010C	0.0058		0.0034	ND		0.0031	0.011		0.0071	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	0.044		0.0016	ND		0.0029	0.0380		0.0005	0.0560		0.0044
	9/28/2009***	6010/200.7	0.02		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	**0.20**		0.003	**0.24**		0.0005	0.11		0.004
	9/28/2009***	6010/200.7	ND		0.0016	0.16		0.0029	0.085		0.0005	0.086		0.0044
	3/23/2011***	6010/200.7	0.014		0.0016	**0.22**		0.0029	**0.20**		0.00072	NA		- -
	9/21/2011***	6010/200.7	0.026		0.0016	**0.43**		0.0029	**0.71**		0.00072	NA		- -
	4/2/2012***	6010/200.7	0.045		0.0012	**0.83**		0.0034	**1.73**		0.0014	NA		- -
	9/18/2012***	6010/200.7	0.013		0.0012	**0.60**		0.0034	**0.42**		0.0014	NA		- -
	3/27/2013***	6010/200.7	0.023		0.0012	**0.32**		0.0034	**0.99**		0.0014	NA		- -
	9/17/2013***	6010C	**0.0630**		0.0012	**0.44**		0.0034	**0.46**		0.0014	NA		- -
	3/11/2014***$	6010B	0.013		0.0055	0.087		0.0034	**0.39**		0.0014	NA		- -
	9/17/2014***	6010C	0.015		0.0012	**0.46**		0.0034	**0.72**		0.0014	NA		- -
	4/21/2015***	6010C	0.019		0.0012	**0.98**		0.0034	**0.30**		0.0014	NA		- -
	4/20/2016***	6010C	0.014		0.0034	**0.51**		0.0031	**1.97**		0.0071	NA		- -
	4/10/2017***	6010C	0.017		0.0034	**0.24**		0.0031	**0.67**		0.0071	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	0.095		0.0016	ND		0.0029	0.12		0.0005	0.17		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	0.072		0.0031	0.0061		0.0017	NA		- -
	3/23/2011***	6010/200.7	ND		0.0016	0.060		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	0.02		0.0034	0.0019		0.0014	NA		- -
	9/18/2012***	6010/200.7	0.0014		0.0012	**0.60**		0.0034	**0.42**		0.0014	NA		- -
	3/27/2013***	6010/200.7	**0.3500**		0.0020	**0.70**		0.0056	**0.80**		0.0024	NA		- -
	9/17/2013***	6010C	0.0033		0.0012	0.021		0.0034	ND		0.0014	NA		- -
	3/11/2014***$	6010B	0.0055		0.0012	ND		0.0022	0.0022		0.0014	NA		- -
	9/17/2014***	6010C	0.0054		0.0012	0.066		0.0034	0.0021		0.0014	NA		- -
	4/21/2015***	6010C	ND		0.0012	0.030		0.0034	0.0077		0.0014	NA		- -
	4/20/2016***	6010C	ND		0.0034	0.076		0.0031	0.015		0.0071	NA		- -
	4/10/2017***	6010C	0.0058		0.0034	0.040		0.0031	0.014		0.0071	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
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
$= In March 2014 these samples were field filtered with a 0.45µm filter prior to collection in error

Prepared By: RK
Reviewed By: BTB
Revised: 6/13/2017

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		Fluorene		2-Methyl naphthalene		Naphthalene		3-Nitroaniline		4-Nitroaniline		Phenanthrene		Pyrene		Pyridine		bis (2-Ethylhexyl) phthalate	
				SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		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	B 0.82	4.09	B 0.87	ND		ND		ND	0.90	ND	1.01	ND		**5.75**	B 1.44
	4/21/2015 ***	8270D	ND	1.20	ND	1.02	ND	0.93	ND	0.98	ND	0.43	ND	0.65	ND	1.19	ND	1.06	ND	0.46	ND	1.58
	4/20/2016***	Well was not s																				
	4/10/2017***	Well was not s																				
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	B 0.82	4.94	B 0.87	ND		ND		ND	0.90	ND	1.01	ND		**5.61**	B 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
	9/17/2013***	8270D	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
	3/11/2014***	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
	4/20/2016***	Well was not s																				
	4/10/2017***	8270D	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	5.00	B 0.82	3.41	B 0.87	ND		ND		ND	0.90	ND	1.01	ND		**5.57**	B 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
	9/17/2013***	8270D	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
	3/11/2014***	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
	9/17/2014***	8270D	ND	1.07	ND	0.91	ND	0.82	ND	0.87	ND	0.54	ND	0.58	ND	1.06	ND	0.94	ND	0.41	ND	1.40
	4/21/2015***	8270D	ND	1.20	ND	1.02	ND	0.93	ND	0.98	ND	0.43	ND	0.65	ND	1.19	ND	1.06	ND	0.46	ND	1.58
	4/20/2016	8270D	ND	5.80	ND	4.10	ND	3.70	ND	3.90	ND	1.70	ND	2.60	ND	4.75	ND	4.25	ND	1.85	ND	6.30
	4/10/2017***	8270D	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	B 0.82	3.65	B 0.87	ND		ND		ND	0.90	ND	1.01	ND		**5.76**	B 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
	9/17/2013***	8270D	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
	3/11/2014***	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
	9/17/2014***	8270D	ND	1.37	ND	1.17	ND	1.06	ND	1.11	ND	0.49	ND	0.74	ND	1.36	ND	1.21	ND	0.53	ND	1.80
	4/21/2015***	8270D	ND	1.20	ND	1.02	ND	0.93	ND	0.98	ND	0.43	ND	0.43	ND	1.19	ND	1.06	ND	0.46	ND	1.58
	4/20/2016***	8270D	ND	5.80	ND	4.10	ND	3.70	ND	3.90	ND	1.70	ND	2.60	ND	4.75	ND	4.25	ND	1.85	ND	6.30
	4/10/2017***	8270D	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

SQL= Sample Quantitation Limit ation

GEC-5[+] = Replaces MW-7 in groundwate

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 6/13/2017

ATTACHMENT 1

Periodic Review Report Certification Statement and IC/EC Certification Forms

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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, 2015 to May 31, 2016

	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.

I Leonard Zichlin (print name) at Linzer Products CORP, 248 Wyandanch Ave, West Babylon, NY (print business address),

am certifying as OWNER (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

6/21/17 — Date

IC/EC CERTIFICATIONS

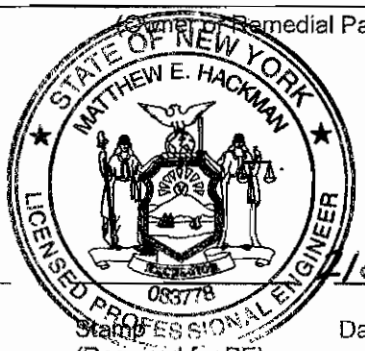
Box 7

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 Matthew E. Hackman at 97 Asylum Road, Warwick, RI,
print name print business address

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



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

Stamp (Required for PE)

6/JUN 2017
Date

ATTACHMENT 2:

IE/EC Inspection Forms, Inspection Photographs and April 10, 2017 Groundwater Sampling Evaluation Forms

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

Inspector 1: Mike Bradley **Dates on Site: 11-7-2016**
Inspector 2: **Start time: 1030 Finish time: 1200**

Groundwater Sampling

-Site Management plan has been amended to include only one annual round of groundwater monitoring. The NYSDEC had officially approved this change in a letter dated 3-31-2016. GEC received verbal approval to make this change during the summer of 2015. Groundwater monitoring will take place in April annually.

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 **11/7/2016 @ 1030**
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **None**
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 **11/7/2016 @ 1055**
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 **11/7/2016 @ 1100**

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 **11/7/2016 @ 1035**
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** (comptroller).
Describe below.

Subsurface construction or utility work: **None Currently Planned**

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

Anticipated subsurface work within soil or groundwater beneath Site property: **No anticipated work until 2018, or later.**

Former Jameco Facility
Site Inspection Photos: 11-7-2016

Photo 1: (11-7-2016) AOC 3 View looking south west from southwest corner of AOC-1.

Photo 1

Former Jameco Facility
Site Inspection Photos: 11-7-2016

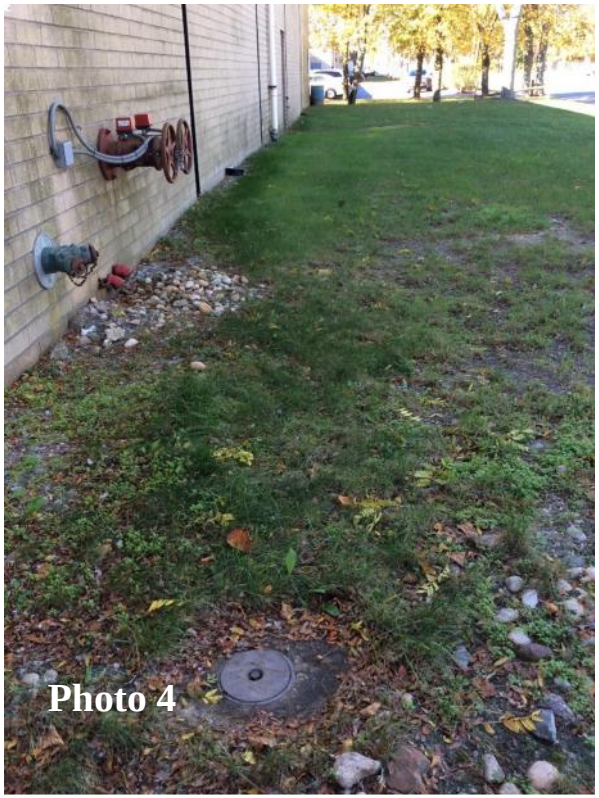
Photos 2: (10-22-2015) AOC 1. Taken from south side of AOC 1 looking towards loading dock area

Photo 2

Former Jameco Facility
Site Inspection Photos: 11-7-2016

Photo 3 (11-7-2016) AOC 4. Interior portion of AOC 4 located in Warehouse area. Looking East to West

Photo 4: (11/7/2016) AOC 4. Exterior portion of AOC 4. On North side of Site building.



Former Jameco Facility
Site Inspection Photos: 11-7-2016

Photo 5: (11-7-2016) AOC 2&5. View from Southeast corner of AOC 2 and 5 of production area.

Former Jameco Facility
Site Inspection Photos: 11-7-2016

Photo 6: (11-7-2016) No AOC. View looking at South side of Site building from AOC-3.

Photo 7: (11-7-2016) No AOC. Looking at main entrance. Eastern edge of AOC-1 in shadow

Photo 8: (11-7-2016) No AOC. View of eastern property boundary from abutting "right of way"

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

Inspector 1: Andrew Foley **Dates on Site: 4-10-2017**
Inspector 2: **Start time: 1015 Finish time: 1800**

Groundwater Sampling

Well #	GEC Inspector	Start Flow	Collect Sample	Sample Parameters	Comment / Observations
MW-2	**AF**	**1225**	**1311**	**Ni**	**Clear/ No Odor, but slight sheen NTU= NA***
MW-3	**AF**	**1155**	**1235**	**Ni**	**Clear/ No Odor NTU=NA***
MW-4	**AF**	**1106**	**1218**	**Ni**	**Clear/ "burnt Odor" NTU = 1.50**
MW-5R	**AF**	**1047**	**1147**	**Ni**	**Clear/ No Odor NTU=3.40**
MW-10	**AF**	**1705**	**1740**	**Cu, Cr and Ni**	**Clear/ No Odor NTU = NA***
MW-12	**AF**	**1703**	**1733**	**Cu, Cr and Ni**	**Clear/ No Odor NTU = NA***
MW-19	**AF**				**LNAPL = 0.01' Not Sampled**
MW-20	**AF**	**1522**	**1600**	**PAHs**	
MW-21	**AF**	**1610**	**1643**	**PAHs**	**Clear/ No Odor NTU=NA***
MW-23	**AF**	**1407**	**1445**	**PAHs**	**Clear/ No Odor NTU=5**
MW-26R	**AF**	**1126**	**1300**	**Cu, Cr and Ni**	**Clear/ No Odor NTU = NA***
MS/MSD	**AF**	**1407**	**1445**	**Cu, Cr and Ni**	Well # **MW-23**
MS/MSD	**AF**	**1407**	**1445**	**PAHs**	Well # **MW-23**

Laboratory Shipment

Pick-up: Date: **4-11-2017** Time: **1706**
Shipper: Company _____ Date: _____ Time: _____
Laboratory: **Essential Environmental Technologies (EET)**
Laboratory Contact **Lina Cabera**

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 **4-10-2017 @ 1015**
Condition of surface integrity. **Good**

Any observed apparent subsurface work in AOC? **None**
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 **4-10-2017 @ 1700**
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 **Future expansion outside of AOC may require work upon subsurface drainage lines. No plans completed as of yet.**

AOC-4, Area of plant including stockroom and outside lawn out to sidewalk.
Date and time of inspection **4-10-2017 @ 1400-1600**
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 **4-10-2017 @ 1100**
Condition of surface integrity. **Good, unpaved**

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** (comptroller). Describe below.

Subsurface construction or utility work: **None Currently Planned**

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

Anticipated subsurface work within soil or groundwater beneath Site property: **No anticipated work until 2018, or later.**

Monitoring Well Purge Data Evaluation
Annual GW Sampling 4-10-2017
Former Jameco Facilty
West Babylon, New York

MW-2 DTW = 9.39'
Start Purge @1225

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1247	14.80	369	1.07	6.78	85.8	NA
1258	14.92	379	0.50	6.76	60.2	
1301	14.91	379	0.42	6.76	58.6	
1305	14.91	378	0.46	6.76	54.7	
1308	14.83	378	0.42	6.76	53.5	
	-1%	0%	-9%	0%	-2%	

Collect Sample @ 1311 DTW at end of sampling= Not Measured
For Total Nickel NA -Turbidity meter malfunction

Purged 1.3 G
No odor and slight sheen

MW-3 DTW=12.09'
Start Purge @ 1155

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1215	11.20	208	4.94	6.58	115	NA
1218	11.16	202	4.35	6.56	115	
1222	11.18	198	4.10	6.57	116	
1229	11.14	194	4.03	6.63	115	
1233	11.20	192	3.78	6.64	116	
	1%	-1%	-6%	0%	1%	

Collect Sample @ 1235 DTW at end of sampling= Not Measured
For Total Nickel NA -Turbidity meter malfunction

Purged 1.3 G
Water clear w/ no sheen or distintive odor

MW-4 DTW=10.30'
Start Purge @ 1106

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1135	10.85	167	3.67	7.79	164	NA
1140	11.43	168	3.24	7.45	167	
1146	11.11	168	3.10	7.20	172	
1151	10.84	166	2.98	7.09	172	
1156	10.88	164	2.77	7.02	167	
1200	10.98	164	2.56	6.92	160	
1205	11.32	164	2.51	6.95	160	
	-3%	0%	2%	0%	0%	

Collect Sample @ 1218 DTW at end of sampling= Not Measured
For Total Nickel NA -Turbidity meter malfunction

Purge 2.0 G
Water clear w/ no sheen. A slight odor (burnt) was detected.

MW-5R DTW =8.54'
Start Purge @ 1047

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1119	11.34	413	5.34	6.68	89.8	88
1124	10.77	382	3.36	7.76	86.9	51
1128	10.50	371	2.43	6.59	78.7	18
1131	10.47	365	2.14	6.44	77.8	17
1134	10.54	364	1.93	6.36	77.1	21
1138	10.54	359	1.74	6.16	77.0	13
1142	10.50	355	1.39	6.05	76.7	9.2
1145	10.46	352	1.29	6.00	77.6	3.4
	0%	1%	8%	1%	-1%	

Collect Sample @ 1147 DTW at end of sampling= Not Measured
For Total Nickel

Purged 1.25 Gallons
Water clear w/ no sheen or distintive odor

EPA Low flow stabilization

Turbidity	<5NTU or 10%
DO	<0.5 mg/L or 10%
Specific Conductivity	**3%**
Temp	3%
pH	0.1
ORP	+-10milivolts

GEC SOP
3 consecuitive readings within 20% for all parameters

Monitoring Well Purge Data Evaluation
Annual GW Sampling 4-10-2017
Former Jameco Facilty
West Babylon, New York

MW-10 (deep) DTW =9.21'
Start Purge @ 1705

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1715	15.57	225	0.61	6.53	121	NA
1718	16.32	231	0.49	6.19	133	
1721	16.33	231	0.47	6.18	132	
1725	16.50	234	0.34	6.04	132	
1728	16.51	234	0.33	6.02	135	
1731	16.57	235	0.32	6.00	135	
	0%	0%	-3%	0%	0%	

Collect Sample @ 1740 DTW at end of sampling= not measured
For Total Copper, Chromium and Nickel

purged 1.3 Gallon
Water clear w/ no sheen or distintive odor

MW-12 (shallow) DTW =9.13'
Start Purge @ 1703

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1712	17.85	273	1.00	6.39	100	NA
1715	17.71	237	0.37	6.25	96	
1718	17.67	267	0.35	6.22	90	
1721	17.65	234	0.35	6.22	88	
1724	17.64	234	0.37	6.22	85	
1727	17.64	233	0.39	6.22	84	
1730	17.64	227	0.40	6.21	82	
	0%	-3%	3%	0%	-2%	

Collect Sample @ 1733 DTW at end of sampling= Not Measured
For Total Copper, Chromium and Nickel
NA -Turbidity meter malfunction

Slightly Turbid Purge waterw/ no sheen or distintive odor

MW-19 DTW = 9.30 DTP=9.30'
LNAPL Thickeness = 0.01'

Not sampled due to the presence of LNAPL

MW-20 DTW =9.18'
Start Purge @ 1522

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1533	15.18	239	2.78	5.81	157	NA
1536	15.07	240	1.22	5.82	157	
1541	15.23	242	0.95	5.78	157	
1545	15.27	243	0.71	5.77	157	
1548	15.27	243	0.82	5.77	157	
1552	15.28	244	0.52	5.77	158	
1555	15.29	244	0.50	5.77	159	
	0%	0%	4%	0%	0%	

Collect Sample @1600 DTW at end of sampling= Not Measured
For PAHs (8270C) NA - Turbidity meter malfunction

purged 1.5 Gallons
Water clear w/ no sheen or distintive odor

MW-21 DTW =9.17'
Start Purge @ 1610

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1626	15.65	193	1.76	6.35	119	NA
1629	15.59	189	1.09	6.34	91	
1632	15.59	187	1.04	6.32	81	
1635	15.61	187	0.93	6.34	63	
1638	15.64	183	1.17	6.36	56	
1641	15.67	180	0.98	6.36	51	
	0%	2%	19%	0%	10%	

Collect Sample @ 1436 DTW at end of sampling= Not measured
For PAHs (8270C)
NA - Turbidity meter malfunction

purged 1.3 Gallons
Water clear w/ no sheen or distintive odor

Monitoring Well Purge Data Evaluation
Annual GW Sampling 4-10-2017
Former Jameco Facilty
West Babylon, New York

MW-23 DTW = 8.91
Start Purge @ 1407

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1421	11.97	187	5.60	6.23	139	13
1424	11.13	187	1.35	5.61	153	10
1427	10.97	183	0.72	5.44	156	7
1435	11.19	185	0.64	5.38	144	6
1438	11.20	186	1.00	5.39	1435	8
1442	11.39	187	1.04	5.43	1334	5
	2%	1%	4%	1%	-8%	

Collect Sample @ 1643 DTW at end of sampling= Not measured
For PAHs (8270C)
MS amd MS Dup
purge 1.5 G
Water clear w/ no sheen or distintive odor

MW-26R DTW = 9.46'
Start Purge @ 1126

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP	Turbidity (NTU)
1321	14.32	287	1.04	6.12	99	7
1324	14.30	286	0.91	6.04	87	4
1327	14.35	286	0.84	6.02	82	3
1330	14.40	287	0.81	6.00	76	1
1333	14.39	287	0.88	6.00	75	-1
	0%	0%	8%	0%	-1%	

Collect Sample @ 1300 DTW at end of sampling= Not measured
For Nickel, Copper and Chormium

Purged 1 Gallons
Water clear w/ no sheen or distintive odor

Former Jameco Facility
Site Inspection Photos: 4-10-2017

Photo 1: (4-10-2017) AOC 3 View looking northwest from southeast corner of AOC-1.

Former Jameco Facility
Site Inspection Photos: 4-10-2017

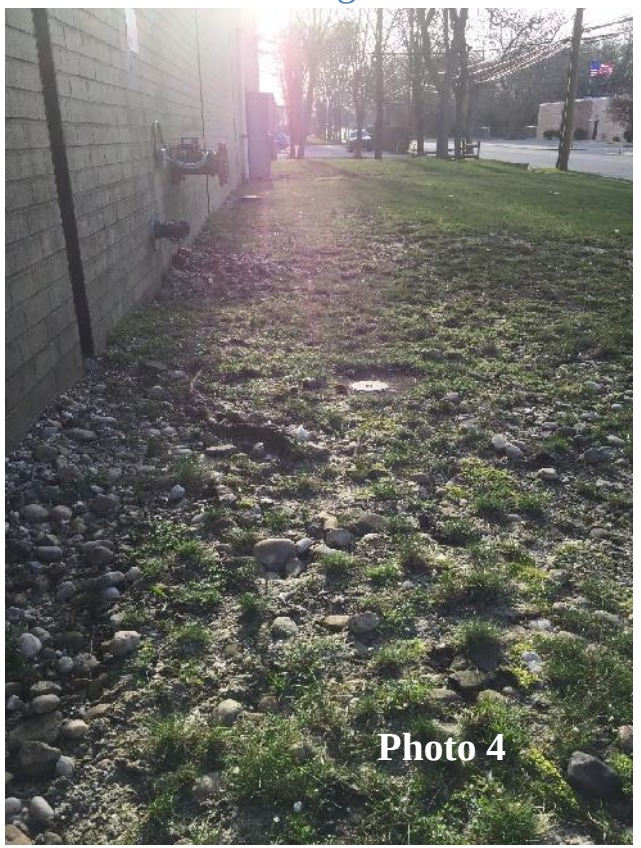
Photos 2: (4-10-2017) AOC 1. Taken from south side of AOC 1 looking towards loading dock area

Photo 2

Former Jameco Facility
Site Inspection Photos: 4-10-2017

Photo 3 (4-10-2017) AOC 4. Interior portion of AOC 4 located in Warehouse area. Looking East to West

Photo 4: (4-10-2017) AOC 4. Exterior portion of AOC 4. On North side of Site building.



Former Jameco Facility
Site Inspection Photos: 4-10-2017

Photo 5: (4-10-2017) AOC 2&5. View from Southeast corner of AOC 2 and 5 of production area.

ATTACHMENT 3

Groundwater Analytical Reports from Essential Environmental Technologies

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

4/24/2017

ANALYTICAL REPORT

Laboratory Identifier: 1704109

Received: 4/11/2017 17:06
Sampled by: Andrew Foley

Client: Goldman Environmental Consultants

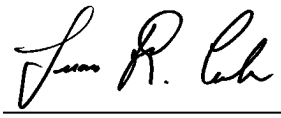
60 Brooks Avenue
Braintree,
MA 02184

Project: Linzer Groundwater Monitoring

248 Wyandanch Ave
Wyandanch,
NY
Area: 1744.4030

Manager: Michael Bradley

Respectfully submitted,



Juan R.Cuba - Technical Director

NYS Lab ID # 10969

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

4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-7
Client Sample ID: MW-20 Collected: 4/10/2017 16:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	ND	0.64	5.00	ug/L	U
1,2-Dichlorobenzene	1	ND	0.65	5.00	ug/L	U
1,2-Diphenylhydrazine	1	ND	1.02	5.00	ug/L	U
1,3-Dichlorobenzene	1	ND	0.68	5.00	ug/L	U
1,4-Dichlorobenzene	1	ND	0.73	5.00	ug/L	U
2,3,4,6-Tetrachlorophenol	1	ND	0.72	5.00	ug/L	U
2,4,5-Trichlorophenol	1	ND	0.52	5.00	ug/L	U
2,4,6-Trichlorophenol	1	ND	0.84	5.00	ug/L	U
2,4-Dichlorophenol	1	ND	0.72	5.00	ug/L	U
2,4-Dimethylphenol	1	ND	0.90	5.00	ug/L	U
2,4-Dinitrophenol	1	ND	1.61	25.0	ug/L	U
2,4-Dinitrotoluene	1	ND	0.75	5.00	ug/L	U
2,6-Dinitrotoluene	1	ND	0.99	5.00	ug/L	U
2-Chloronaphthalene	1	ND	0.80	5.00	ug/L	U
2-Chlorophenol	1	ND	0.64	5.00	ug/L	U
2-Methylnaphthalene	1	ND	0.74	5.00	ug/L	U
2-Methylphenol	1	ND	0.46	5.00	ug/L	U
2-Nitroaniline	1	ND	0.49	5.00	ug/L	U
2-Nitrophenol	1	ND	0.62	5.00	ug/L	U
3+4-Methylphenol	1	ND	0.31	5.00	ug/L	U
3,3'-Dichlorobenzidine	1	ND	1.33	5.00	ug/L	U
3-Nitroaniline	1	ND	0.34	5.00	ug/L	U
4,6-Dinitro-2-methylphenol	1	ND	0.47	5.00	ug/L	U
4-Bromophenyl phenyl ether	1	ND	1.01	5.00	ug/L	U
4-Chloro-3-methylphenol	1	ND	0.73	5.00	ug/L	U
4-Chloroaniline	1	ND	0.42	5.00	ug/L	U
4-Chlorophenyl phenyl ether	1	ND	0.86	5.00	ug/L	U
4-Nitroaniline	1	ND	0.52	5.00	ug/L	U
4-Nitrophenol	1	ND	1.61	25.0	ug/L	U
Acenaphthene	1	ND	0.77	5.00	ug/L	U
Acenaphthylene	1	ND	0.74	5.00	ug/L	U
Aniline	1	ND	0.46	5.00	ug/L	U

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

4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-7
Client Sample ID: MW-20 Collected: 4/10/2017 16:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	ND	0.88	5.00	ug/L	U
Benzidine	1	ND	48.2	100	ug/L	U
Benzo(a)anthracene	1	ND	0.96	5.00	ug/L	U
Benzo(a)pyrene	1	ND	0.82	5.00	ug/L	U
Benzo(b)fluoranthene	1	ND	0.85	5.00	ug/L	U
Benzo(g,h,i)perylene	1	ND	0.85	5.00	ug/L	U
Benzo(k)fluoranthene	1	ND	1.69	5.00	ug/L	U
Benzoic acid	1	ND	10.0	50.0	ug/L	U
Benzyl alcohol	1	ND	0.41	5.00	ug/L	U
Butyl benzyl phthalate	1	ND	1.06	5.00	ug/L	U
Carbazole	1	ND	1.99	10.0	ug/L	U
Chrysene	1	ND	1.00	5.00	ug/L	U
Cresols	1	ND	0.77	5.00	ug/L	U
Di-n-butyl phthalate	1	**9.06**	1.08	5.00	ug/L	B
Di-n-octyl phthalate	1	ND	1.28	5.00	ug/L	U
Dibenz(a,h)anthracene	1	ND	1.00	5.00	ug/L	U
Dibenzofuran	1	ND	0.62	5.00	ug/L	U
Diethyl phthalate	1	ND	1.00	5.00	ug/L	U
Dimethyl phthalate	1	ND	0.78	5.00	ug/L	U
Fluoranthene	1	ND	0.96	5.00	ug/L	U
Fluorene	1	ND	0.82	5.00	ug/L	U
Hexachlorobenzene	1	ND	0.86	5.00	ug/L	U
Hexachlorobutadiene	1	ND	0.78	5.00	ug/L	U
Hexachlorocyclopentadiene	1	ND	0.21	5.00	ug/L	U
Hexachloroethane	1	ND	0.69	5.00	ug/L	U
Indeno(1,2,3-cd)pyrene	1	ND	0.90	5.00	ug/L	U
Isophorone	1	ND	0.69	5.00	ug/L	U
N-Nitrosodi-n-propylamine	1	ND	0.57	5.00	ug/L	U
N-Nitrosodiphenylamine	1	ND	1.09	5.00	ug/L	U
Naphthalene	1	ND	0.78	5.00	ug/L	U
Nitrobenzene	1	ND	0.71	5.00	ug/L	U
Pentachlorophenol	1	ND	0.65	5.00	ug/L	U

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

4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-7
Client Sample ID: MW-20 Collected: 4/10/2017 16:00
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	ND	0.95	5.00	ug/L	U
Phenol	1	ND	0.33	5.00	ug/L	U
Pyrene	1	ND	0.85	5.00	ug/L	U
Pyridine	1	ND	0.37	5.00	ug/L	U
bis(2-Chloroethoxy)methane	1	ND	0.70	5.00	ug/L	U
bis(2-Chloroethyl)ether	1	ND	0.57	5.00	ug/L	U
bis(2-Chloroisopropyl)ether	1	ND	0.74	5.00	ug/L	U
bis(2-Ethylhexyl)phthalate	1	ND	1.26	5.00	ug/L	U

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	1	59.4 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	1	54.0 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	1	32.5 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	1	19.6 %	(35 - 114)	*
13127-88-3	PHENOL-D6	1	24.8 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	88.3 %	(33 - 141)	

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

4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-8
Client Sample ID: MW-21 Collected: 4/10/2017 16:43
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	ND	0.64	5.00	ug/L	U
1,2-Dichlorobenzene	1	ND	0.65	5.00	ug/L	U
1,2-Diphenylhydrazine	1	ND	1.02	5.00	ug/L	U
1,3-Dichlorobenzene	1	ND	0.68	5.00	ug/L	U
1,4-Dichlorobenzene	1	ND	0.73	5.00	ug/L	U
2,3,4,6-Tetrachlorophenol	1	ND	0.72	5.00	ug/L	U
2,4,5-Trichlorophenol	1	ND	0.52	5.00	ug/L	U
2,4,6-Trichlorophenol	1	ND	0.84	5.00	ug/L	U
2,4-Dichlorophenol	1	ND	0.72	5.00	ug/L	U
2,4-Dimethylphenol	1	ND	0.90	5.00	ug/L	U
2,4-Dinitrophenol	1	ND	1.61	25.0	ug/L	U
2,4-Dinitrotoluene	1	ND	0.75	5.00	ug/L	U
2,6-Dinitrotoluene	1	ND	0.99	5.00	ug/L	U
2-Chloronaphthalene	1	ND	0.80	5.00	ug/L	U
2-Chlorophenol	1	ND	0.64	5.00	ug/L	U
2-Methylnaphthalene	1	ND	0.74	5.00	ug/L	U
2-Methylphenol	1	ND	0.46	5.00	ug/L	U
2-Nitroaniline	1	ND	0.49	5.00	ug/L	U
2-Nitrophenol	1	ND	0.62	5.00	ug/L	U
3+4-Methylphenol	1	ND	0.31	5.00	ug/L	U
3,3'-Dichlorobenzidine	1	ND	1.33	5.00	ug/L	U
3-Nitroaniline	1	ND	0.34	5.00	ug/L	U
4,6-Dinitro-2-methylphenol	1	ND	0.47	5.00	ug/L	U
4-Bromophenyl phenyl ether	1	ND	1.01	5.00	ug/L	U
4-Chloro-3-methylphenol	1	ND	0.73	5.00	ug/L	U
4-Chloroaniline	1	ND	0.42	5.00	ug/L	U
4-Chlorophenyl phenyl ether	1	ND	0.86	5.00	ug/L	U
4-Nitroaniline	1	ND	0.52	5.00	ug/L	U
4-Nitrophenol	1	ND	1.61	25.0	ug/L	U
Acenaphthene	1	ND	0.77	5.00	ug/L	U
Acenaphthylene	1	ND	0.74	5.00	ug/L	U
Aniline	1	ND	0.46	5.00	ug/L	U

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

4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-8
Client Sample ID: MW-21 Collected: 4/10/2017 16:43
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	ND	0.88	5.00	ug/L	U
Benzidine	1	ND	48.2	100	ug/L	U
Benzo(a)anthracene	1	ND	0.96	5.00	ug/L	U
Benzo(a)pyrene	1	ND	0.82	5.00	ug/L	U
Benzo(b)fluoranthene	1	ND	0.85	5.00	ug/L	U
Benzo(g,h,i)perylene	1	ND	0.85	5.00	ug/L	U
Benzo(k)fluoranthene	1	ND	1.69	5.00	ug/L	U
Benzoic acid	1	ND	10.0	50.0	ug/L	U
Benzyl alcohol	1	ND	0.41	5.00	ug/L	U
Butyl benzyl phthalate	1	ND	1.06	5.00	ug/L	U
Carbazole	1	ND	1.99	10.0	ug/L	U
Chrysene	1	ND	1.00	5.00	ug/L	U
Cresols	1	ND	0.77	5.00	ug/L	U
Di-n-butyl phthalate	1	**8.42**	1.08	5.00	ug/L	B
Di-n-octyl phthalate	1	ND	1.28	5.00	ug/L	U
Dibenz(a,h)anthracene	1	ND	1.00	5.00	ug/L	U
Dibenzofuran	1	ND	0.62	5.00	ug/L	U
Diethyl phthalate	1	ND	1.00	5.00	ug/L	U
Dimethyl phthalate	1	ND	0.78	5.00	ug/L	U
Fluoranthene	1	ND	0.96	5.00	ug/L	U
Fluorene	1	ND	0.82	5.00	ug/L	U
Hexachlorobenzene	1	ND	0.86	5.00	ug/L	U
Hexachlorobutadiene	1	ND	0.78	5.00	ug/L	U
Hexachlorocyclopentadiene	1	ND	0.21	5.00	ug/L	U
Hexachloroethane	1	ND	0.69	5.00	ug/L	U
Indeno(1,2,3-cd)pyrene	1	ND	0.90	5.00	ug/L	U
Isophorone	1	ND	0.69	5.00	ug/L	U
N-Nitrosodi-n-propylamine	1	ND	0.57	5.00	ug/L	U
N-Nitrosodiphenylamine	1	ND	1.09	5.00	ug/L	U
Naphthalene	1	ND	0.78	5.00	ug/L	U
Nitrobenzene	1	ND	0.71	5.00	ug/L	U
Pentachlorophenol	1	ND	0.65	5.00	ug/L	U

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

4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-8
Client Sample ID: MW-21 Collected: 4/10/2017 16:43
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	ND	0.95	5.00	ug/L	U
Phenol	1	ND	0.33	5.00	ug/L	U
Pyrene	1	ND	0.85	5.00	ug/L	U
Pyridine	1	ND	0.37	5.00	ug/L	U
bis(2-Chloroethoxy)methane	1	ND	0.70	5.00	ug/L	U
bis(2-Chloroethyl)ether	1	ND	0.57	5.00	ug/L	U
bis(2-Chloroisopropyl)ether	1	ND	0.74	5.00	ug/L	U
bis(2-Ethylhexyl)phthalate	1	ND	1.26	5.00	ug/L	U

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	1	36.6 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	1	30.7 %	(43 - 116)	*
367-12-4	2-FLUOROPHENOL	1	23.7 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	1	6.5 %	(35 - 114)	*
13127-88-3	PHENOL-D6	1	20.5 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	37.6 %	(33 - 141)	

Essential Environmental Technologies, Inc.
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4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-9
Client Sample ID: MW-23 Collected: 4/10/2017 14:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	ND	0.64	5.00	ug/L	U
1,2-Dichlorobenzene	1	ND	0.65	5.00	ug/L	U
1,2-Diphenylhydrazine	1	ND	1.02	5.00	ug/L	U
1,3-Dichlorobenzene	1	ND	0.68	5.00	ug/L	U
1,4-Dichlorobenzene	1	ND	0.73	5.00	ug/L	U
2,3,4,6-Tetrachlorophenol	1	ND	0.72	5.00	ug/L	U
2,4,5-Trichlorophenol	1	ND	0.52	5.00	ug/L	U
2,4,6-Trichlorophenol	1	ND	0.84	5.00	ug/L	U
2,4-Dichlorophenol	1	ND	0.72	5.00	ug/L	U
2,4-Dimethylphenol	1	ND	0.90	5.00	ug/L	U
2,4-Dinitrophenol	1	ND	1.61	25.0	ug/L	U
2,4-Dinitrotoluene	1	ND	0.75	5.00	ug/L	U
2,6-Dinitrotoluene	1	ND	0.99	5.00	ug/L	U
2-Chloronaphthalene	1	ND	0.80	5.00	ug/L	U
2-Chlorophenol	1	ND	0.64	5.00	ug/L	U
2-Methylnaphthalene	1	ND	0.74	5.00	ug/L	U
2-Methylphenol	1	ND	0.46	5.00	ug/L	U
2-Nitroaniline	1	ND	0.49	5.00	ug/L	U
2-Nitrophenol	1	ND	0.62	5.00	ug/L	U
3+4-Methylphenol	1	ND	0.31	5.00	ug/L	U
3,3'-Dichlorobenzidine	1	ND	1.33	5.00	ug/L	U
3-Nitroaniline	1	ND	0.34	5.00	ug/L	U
4,6-Dinitro-2-methylphenol	1	ND	0.47	5.00	ug/L	U
4-Bromophenyl phenyl ether	1	ND	1.01	5.00	ug/L	U
4-Chloro-3-methylphenol	1	ND	0.73	5.00	ug/L	U
4-Chloroaniline	1	ND	0.42	5.00	ug/L	U
4-Chlorophenyl phenyl ether	1	ND	0.86	5.00	ug/L	U
4-Nitroaniline	1	ND	0.52	5.00	ug/L	U
4-Nitrophenol	1	ND	1.61	25.0	ug/L	U
Acenaphthene	1	ND	0.77	5.00	ug/L	U
Acenaphthylene	1	ND	0.74	5.00	ug/L	U
Aniline	1	ND	0.46	5.00	ug/L	U

Essential Environmental Technologies, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-9

Client Sample ID: MW-23 Collected: 4/10/2017 14:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	ND	0.88	5.00	ug/L	U
Benzidine	1	ND	48.2	100	ug/L	U
Benzo(a)anthracene	1	ND	0.96	5.00	ug/L	U
Benzo(a)pyrene	1	ND	0.82	5.00	ug/L	U
Benzo(b)fluoranthene	1	ND	0.85	5.00	ug/L	U
Benzo(g,h,i)perylene	1	ND	0.85	5.00	ug/L	U
Benzo(k)fluoranthene	1	ND	1.69	5.00	ug/L	U
Benzoic acid	1	ND	10.0	50.0	ug/L	U
Benzyl alcohol	1	ND	0.41	5.00	ug/L	U
Butyl benzyl phthalate	1	ND	1.06	5.00	ug/L	U
Carbazole	1	ND	1.99	10.0	ug/L	U
Chrysene	1	ND	1.00	5.00	ug/L	U
Cresols	1	ND	0.77	5.00	ug/L	U
Di-n-butyl phthalate	1	**10.7**	1.08	5.00	ug/L	B
Di-n-octyl phthalate	1	ND	1.28	5.00	ug/L	U
Dibenz(a,h)anthracene	1	ND	1.00	5.00	ug/L	U
Dibenzofuran	1	ND	0.62	5.00	ug/L	U
Diethyl phthalate	1	ND	1.00	5.00	ug/L	U
Dimethyl phthalate	1	ND	0.78	5.00	ug/L	U
Fluoranthene	1	ND	0.96	5.00	ug/L	U
Fluorene	1	ND	0.82	5.00	ug/L	U
Hexachlorobenzene	1	ND	0.86	5.00	ug/L	U
Hexachlorobutadiene	1	ND	0.78	5.00	ug/L	U
Hexachlorocyclopentadiene	1	ND	0.21	5.00	ug/L	U
Hexachloroethane	1	ND	0.69	5.00	ug/L	U
Indeno(1,2,3-cd)pyrene	1	ND	0.90	5.00	ug/L	U
Isophorone	1	ND	0.69	5.00	ug/L	U
N-Nitrosodi-n-propylamine	1	ND	0.57	5.00	ug/L	U
N-Nitrosodiphenylamine	1	ND	1.09	5.00	ug/L	U
Naphthalene	1	ND	0.78	5.00	ug/L	U
Nitrobenzene	1	ND	0.71	5.00	ug/L	U
Pentachlorophenol	1	ND	0.65	5.00	ug/L	U

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4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-9
Client Sample ID: MW-23 Collected: 4/10/2017 14:45
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	ND	0.95	5.00	ug/L	U
Phenol	1	ND	0.33	5.00	ug/L	U
Pyrene	1	ND	0.85	5.00	ug/L	U
Pyridine	1	ND	0.37	5.00	ug/L	U
bis(2-Chloroethoxy)methane	1	ND	0.70	5.00	ug/L	U
bis(2-Chloroethyl)ether	1	ND	0.57	5.00	ug/L	U
bis(2-Chloroisopropyl)ether	1	ND	0.74	5.00	ug/L	U
bis(2-Ethylhexyl)phthalate	1	ND	1.26	5.00	ug/L	U

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	1	69.6 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	1	52.0 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	1	30.2 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	1	19.7 %	(35 - 114)	*
13127-88-3	PHENOL-D6	1	24.0 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	85.5 %	(33 - 141)	

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4/24/2017

Semivolatile Compounds - EPA 8270D

Sample: 1704109-11
Client Sample ID: MS
Collected: 4/10/2017
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	**11.2**	0.64	5.00	ug/L	
1,2-Dichlorobenzene	1	**10.4**	0.65	5.00	ug/L	
1,2-Diphenylhydrazine	1	**15.2**	1.02	5.00	ug/L	
1,3-Dichlorobenzene	1	**10.1**	0.68	5.00	ug/L	
1,4-Dichlorobenzene	1	**10.6**	0.73	5.00	ug/L	
2,3,4,6-Tetrachlorophenol	1	**18.2**	0.72	5.00	ug/L	
2,4,5-Trichlorophenol	1	**16.4**	0.52	5.00	ug/L	
2,4,6-Trichlorophenol	1	**14.9**	0.84	5.00	ug/L	
2,4-Dichlorophenol	1	**14.7**	0.72	5.00	ug/L	
2,4-Dimethylphenol	1	**11.9**	0.90	5.00	ug/L	
2,4-Dinitrophenol	1	ND	1.61	25.0	ug/L	U
2,4-Dinitrotoluene	1	**15.6**	0.75	5.00	ug/L	
2,6-Dinitrotoluene	1	**15.9**	0.99	5.00	ug/L	
2-Chloronaphthalene	1	**12.9**	0.80	5.00	ug/L	
2-Chlorophenol	1	**12.3**	0.64	5.00	ug/L	
2-Methylnaphthalene	1	**15.2**	0.74	5.00	ug/L	
2-Methylphenol	1	**10.7**	0.46	5.00	ug/L	
2-Nitroaniline	1	**18.0**	0.49	5.00	ug/L	
2-Nitrophenol	1	**14.3**	0.62	5.00	ug/L	
3+4-Methylphenol	1	**12.4**	0.31	5.00	ug/L	
3,3'-Dichlorobenzidine	1	**11.0**	1.33	5.00	ug/L	
3-Nitroaniline	1	**17.0**	0.34	5.00	ug/L	
4,6-Dinitro-2-methylphenol	1	ND	0.47	5.00	ug/L	U
4-Bromophenyl phenyl ether	1	**16.8**	1.01	5.00	ug/L	
4-Chloro-3-methylphenol	1	**16.6**	0.73	5.00	ug/L	
4-Chloroaniline	1	**10.5**	0.42	5.00	ug/L	
4-Chlorophenyl phenyl ether	1	**13.9**	0.86	5.00	ug/L	
4-Nitroaniline	1	**14.9**	0.52	5.00	ug/L	
4-Nitrophenol	1	ND	1.61	25.0	ug/L	U
Acenaphthene	1	**14.8**	0.77	5.00	ug/L	
Acenaphthylene	1	**13.4**	0.74	5.00	ug/L	
Aniline	1	**21.1**	0.46	5.00	ug/L	

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Semivolatile Compounds - EPA 8270D

Sample: 1704109-11
Client Sample ID: MS
Collected: 4/10/2017
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	**15.1**	0.88	5.00	ug/L	
Benzidine	1	ND	48.2	100	ug/L	U
Benzo(a)anthracene	1	**16.0**	0.96	5.00	ug/L	
Benzo(a)pyrene	1	**15.4**	0.82	5.00	ug/L	
Benzo(b)fluoranthene	1	**16.4**	0.85	5.00	ug/L	
Benzo(g,h,i)perylene	1	**17.4**	0.85	5.00	ug/L	
Benzo(k)fluoranthene	1	**14.2**	1.69	5.00	ug/L	
Benzoic acid	1	ND	10.0	50.0	ug/L	U
Benzyl alcohol	1	**12.1**	0.41	5.00	ug/L	
Butyl benzyl phthalate	1	**20.9**	1.06	5.00	ug/L	
Carbazole	1	**15.4**	1.99	10.0	ug/L	
Chrysene	1	**15.2**	1.00	5.00	ug/L	
Cresols	1	**23.1**	0.77	5.00	ug/L	
Di-n-butyl phthalate	1	**24.3**	1.08	5.00	ug/L	B
Di-n-octyl phthalate	1	**19.2**	1.28	5.00	ug/L	
Dibenz(a,h)anthracene	1	**17.9**	1.00	5.00	ug/L	
Dibenzofuran	1	**15.4**	0.62	5.00	ug/L	
Diethyl phthalate	1	**15.7**	1.00	5.00	ug/L	
Dimethyl phthalate	1	**15.3**	0.78	5.00	ug/L	
Fluoranthene	1	**16.5**	0.96	5.00	ug/L	
Fluorene	1	**15.7**	0.82	5.00	ug/L	
Hexachlorobenzene	1	**15.4**	0.86	5.00	ug/L	
Hexachlorobutadiene	1	**10.5**	0.78	5.00	ug/L	
Hexachlorocyclopentadiene	1	ND	0.21	5.00	ug/L	U
Hexachloroethane	1	**9.44**	0.69	5.00	ug/L	
Indeno(1,2,3-cd)pyrene	1	**16.5**	0.90	5.00	ug/L	
Isophorone	1	**17.6**	0.69	5.00	ug/L	
N-Nitrosodi-n-propylamine	1	**13.5**	0.57	5.00	ug/L	
N-Nitrosodiphenylamine	1	**18.4**	1.09	5.00	ug/L	
Naphthalene	1	**12.5**	0.78	5.00	ug/L	
Nitrobenzene	1	**14.9**	0.71	5.00	ug/L	
Pentachlorophenol	1	**26.0**	0.65	5.00	ug/L	

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Semivolatile Compounds - EPA 8270D

Sample: 1704109-11
Client Sample ID: MS
Collected: 4/10/2017
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	**16.5**	0.95	5.00	ug/L	
Phenol	1	ND	0.33	5.00	ug/L	U
Pyrene	1	**14.8**	0.85	5.00	ug/L	
Pyridine	1	**7.28**	0.37	5.00	ug/L	
bis(2-Chloroethoxy)methane	1	**14.4**	0.70	5.00	ug/L	
bis(2-Chloroethyl)ether	1	**20.8**	0.57	5.00	ug/L	
bis(2-Chloroisopropyl)ether	1	**12.5**	0.74	5.00	ug/L	
bis(2-Ethylhexyl)phthalate	1	**21.0**	1.26	5.00	ug/L	

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	1	73.3 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	1	57.3 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	1	36.8 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	1	24.0 %	(35 - 114)	*
13127-88-3	PHENOL-D6	1	29.0 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	73.0 %	(33 - 141)	

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Semivolatile Compounds - EPA 8270D

Sample: 1704109-12
Client Sample ID: MSD
Collected: 4/10/2017
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	**7.15**	0.64	5.00	ug/L	
1,2-Dichlorobenzene	1	**6.72**	0.65	5.00	ug/L	
1,2-Diphenylhydrazine	1	**12.3**	1.02	5.00	ug/L	
1,3-Dichlorobenzene	1	**6.58**	0.68	5.00	ug/L	
1,4-Dichlorobenzene	1	**6.87**	0.73	5.00	ug/L	
2,3,4,6-Tetrachlorophenol	1	**14.0**	0.72	5.00	ug/L	
2,4,5-Trichlorophenol	1	**12.5**	0.52	5.00	ug/L	
2,4,6-Trichlorophenol	1	**9.98**	0.84	5.00	ug/L	
2,4-Dichlorophenol	1	**10.1**	0.72	5.00	ug/L	
2,4-Dimethylphenol	1	ND	0.90	5.00	ug/L	U
2,4-Dinitrophenol	1	ND	1.61	25.0	ug/L	U
2,4-Dinitrotoluene	1	**12.7**	0.75	5.00	ug/L	
2,6-Dinitrotoluene	1	**12.6**	0.99	5.00	ug/L	
2-Chloronaphthalene	1	**8.79**	0.80	5.00	ug/L	
2-Chlorophenol	1	**8.81**	0.64	5.00	ug/L	
2-Methylnaphthalene	1	**11.5**	0.74	5.00	ug/L	
2-Methylphenol	1	**8.70**	0.46	5.00	ug/L	
2-Nitroaniline	1	**13.3**	0.49	5.00	ug/L	
2-Nitrophenol	1	**11.4**	0.62	5.00	ug/L	
3+4-Methylphenol	1	**10.1**	0.31	5.00	ug/L	
3,3'-Dichlorobenzidine	1	**9.30**	1.33	5.00	ug/L	
3-Nitroaniline	1	**13.8**	0.34	5.00	ug/L	
4,6-Dinitro-2-methylphenol	1	ND	0.47	5.00	ug/L	U
4-Bromophenyl phenyl ether	1	**13.8**	1.01	5.00	ug/L	
4-Chloro-3-methylphenol	1	**10.6**	0.73	5.00	ug/L	
4-Chloroaniline	1	**10.0**	0.42	5.00	ug/L	
4-Chlorophenyl phenyl ether	1	**10.3**	0.86	5.00	ug/L	
4-Nitroaniline	1	**13.2**	0.52	5.00	ug/L	
4-Nitrophenol	1	ND	1.61	25.0	ug/L	U
Acenaphthene	1	**12.4**	0.77	5.00	ug/L	
Acenaphthylene	1	**10.8**	0.74	5.00	ug/L	
Aniline	1	**16.9**	0.46	5.00	ug/L	

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Semivolatile Compounds - EPA 8270D

Sample: 1704109-12
Client Sample ID: MSD
Collected: 4/10/2017
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	**12.6**	0.88	5.00	ug/L	
Benzidine	1	ND	48.2	100	ug/L	U
Benzo(a)anthracene	1	**12.2**	0.96	5.00	ug/L	
Benzo(a)pyrene	1	**12.0**	0.82	5.00	ug/L	
Benzo(b)fluoranthene	1	**11.0**	0.85	5.00	ug/L	
Benzo(g,h,i)perylene	1	**15.8**	0.85	5.00	ug/L	
Benzo(k)fluoranthene	1	**10.9**	1.69	5.00	ug/L	
Benzoic acid	1	ND	10.0	50.0	ug/L	U
Benzyl alcohol	1	**9.88**	0.41	5.00	ug/L	
Butyl benzyl phthalate	1	**15.4**	1.06	5.00	ug/L	
Carbazole	1	**11.0**	1.99	10.0	ug/L	
Chrysene	1	**11.2**	1.00	5.00	ug/L	
Cresols	1	**18.8**	0.77	5.00	ug/L	
Di-n-butyl phthalate	1	**19.5**	1.08	5.00	ug/L	B
Di-n-octyl phthalate	1	**15.0**	1.28	5.00	ug/L	
Dibenz(a,h)anthracene	1	**11.0**	1.00	5.00	ug/L	
Dibenzofuran	1	**13.0**	0.62	5.00	ug/L	
Diethyl phthalate	1	**11.8**	1.00	5.00	ug/L	
Dimethyl phthalate	1	**10.9**	0.78	5.00	ug/L	
Fluoranthene	1	**13.2**	0.96	5.00	ug/L	
Fluorene	1	**13.7**	0.82	5.00	ug/L	
Hexachlorobenzene	1	**12.6**	0.86	5.00	ug/L	
Hexachlorobutadiene	1	**6.66**	0.78	5.00	ug/L	
Hexachlorocyclopentadiene	1	ND	0.21	5.00	ug/L	U
Hexachloroethane	1	ND	0.69	5.00	ug/L	U
Indeno(1,2,3-cd)pyrene	1	**14.7**	0.90	5.00	ug/L	
Isophorone	1	**11.5**	0.69	5.00	ug/L	
N-Nitrosodi-n-propylamine	1	**10.9**	0.57	5.00	ug/L	
N-Nitrosodiphenylamine	1	**14.9**	1.09	5.00	ug/L	
Naphthalene	1	**8.27**	0.78	5.00	ug/L	
Nitrobenzene	1	ND	0.71	5.00	ug/L	U
Pentachlorophenol	1	**24.1**	0.65	5.00	ug/L	

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Semivolatile Compounds - EPA 8270D

Sample: 1704109-12
Client Sample ID: MSD
Collected: 4/10/2017
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	**13.2**	0.95	5.00	ug/L	
Phenol	1	ND	0.33	5.00	ug/L	U
Pyrene	1	**11.3**	0.85	5.00	ug/L	
Pyridine	1	**7.54**	0.37	5.00	ug/L	
bis(2-Chloroethoxy)methane	1	**10.3**	0.70	5.00	ug/L	
bis(2-Chloroethyl)ether	1	ND	0.57	5.00	ug/L	U
bis(2-Chloroisopropyl)ether	1	ND	0.74	5.00	ug/L	U
bis(2-Ethylhexyl)phthalate	1	**15.4**	1.26	5.00	ug/L	

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	1	57.8 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	1	39.3 %	(43 - 116)	*
367-12-4	2-FLUOROPHENOL	1	31.8 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	1	12.3 %	(35 - 114)	*
13127-88-3	PHENOL-D6	1	25.9 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	47.7 %	(33 - 141)	

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4/24/2017

Metals by Method SW846 6010C

Sample: 1704109-5
Client Sample ID: MW-10 Collected: 4/10/2017 17:40
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	**0.0058**	0.0034	0.050	mg/L	
Copper	1	ND	0.0031	0.050	mg/L	U
Nickel	1	**0.011**	0.0071	0.050	mg/L	

Sample: 1704109-6
Client Sample ID: MW-12 Collected: 4/10/2017 17:33
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	**0.017**	0.0034	0.050	mg/L	
Copper	1	**0.24**	0.0031	0.050	mg/L	
Nickel	1	**0.67**	0.0071	0.050	mg/L	

Sample: 1704109-10
Client Sample ID: MW-26R Collected: 4/10/2017 13:35
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	**0.0058**	0.0034	0.050	mg/L	
Copper	1	**0.040**	0.0031	0.050	mg/L	
Nickel	1	**0.014**	0.0071	0.050	mg/L	

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Metals by Method SW846 6010C

Sample: 1704109-10MS
Client Sample ID: MW-26R
Collected: 4/10/2017 13:35
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	**0.0066**	0.0034	0.050	mg/L	
Copper	1	**0.047**	0.0031	0.050	mg/L	
Nickel	1	**0.026**	0.0071	0.050	mg/L	

Matrix Spike Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
7440-47-3	Chromium	1	.4	(75 - 125)	*
7440-50-8	Copper	1	2.5	(75 - 125)	*
7440-02-0	Nickel	1	2.4	(75 - 125)	*

Sample: 1704109-10MSD
Client Sample ID: MW-26R
Collected: 4/10/2017 13:35
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	**0.0077**	0.0034	0.050	mg/L	
Copper	1	**0.059**	0.0031	0.050	mg/L	
Nickel	1	**0.033**	0.0071	0.050	mg/L	

Matrix Spike Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
7440-47-3	Chromium	1	.9	(75 - 125)	*
7440-50-8	Copper	1	7.4	(75 - 125)	*
7440-02-0	Nickel	1	3.7	(75 - 125)	*

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4/24/2017

Nickel, Total by Method SW846 6010C

Sample: 1704109-1
Client Sample ID: MW-2 Collected: 4/10/2017 13:11
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Nickel	1	**0.22**	0.0071	0.050	mg/L	

Sample: 1704109-2
Client Sample ID: MW-3 Collected: 4/10/2017 12:35
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Nickel	1	**0.15**	0.0071	0.050	mg/L	

Sample: 1704109-3
Client Sample ID: MW-4 Collected: 4/10/2017 12:18
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Nickel	1	**0.21**	0.0071	0.050	mg/L	

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4/24/2017

Nickel, Total by Method SW846 6010C

Sample: 1704109-4

Client Sample ID: MW-5R
Collected: 4/10/2017 11:47
Matrix: Liquid
Type: Grab
Remarks:
Analyzed Date: 4/13/2017
Preparation Date(s) : 4/12/2017 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Nickel	1	**0.77**	0.0071	0.050	mg/L	

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4/24/2017

Case Narrative

8270 ANALYSIS

Blank associated with these samples contained Di-n-Butylphthalate at a concentration of 8.78 ug/L. This compound is a common environmental contaminant.

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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.

L - Low Bias, Soil Sampling for VOC Analysis did not meet method 5035A Low-Level criteria. Results are estimated.

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