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

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TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 1

2.0 SITE OVERVIEW 5

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS 7

4.0 IC/EC PLAN COMPLIANCE REPORT 12

5.0 MONITORING PLAN COMPLIANCE REPORT 14

6.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS 16

7.0 WARRANTY 16

FIGURES

Figure 1: Site Locus

Figure 2: Site Plan of Remediation Areas & Sample Locations

TABLES

Table 1: Groundwater Monitoring Plan

Table 2: Summary of Groundwater Analytical Data: Semi-Volatile Organic Compounds (SVOCs)

Table 3: Summary of Groundwater Analytical Data: Total Metals

ATTACHMENTS

Attachment 1: Periodic Review Report Certification Statement and IC/EC Certification Forms

Attachment 2: Inspection Photographs, IE/EC Inspection Forms, and Monitoring Well Purge Data Evaluation

Attachment 3: Monitoring Well Construction Logs

Attachment 4: Laboratory Certificate of Analysis

Attachment 5: Site Management Plan (SMP) Addendum #2 – 2023, Response Letter

PERIODIC REVIEW REPORT

1.0 EXECUTIVE SUMMARY

Goldman Environmental Consultants, Inc. (GEC) of Braintree, Massachusetts - retained by the Linzer Corporation, Inc. (Linzer) - prepared 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. This PRR covers the period of June 1, 2022 to December 31, 2023 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 the two addendums to the SMP requested and approved by the NYSDEC on March 31, 2016 and May 8, 2023.

In a letter to Linzer dated March 31, 2023, NYSDEC provided their findings on the PRR and IC/EC Certification covering the period June 1, 2021 to June 1, 2022. Specifically, NYSDEC had the following comments:

1. You are required to submit an addendum to the SMP for elimination of five (5) monitoring wells MW-3, MW-10, MW-20, MW-21, and MW-23, from the groundwater sampling plan and reducing the frequency of IC/EC inspection from 6 month to 1 year concurrent with groundwater sampling, as proposed in the 2022 PRR.
2. Your next PRP is due on July 1, 2023.

However, the deadline for the PRP was extended to December 31, 2023 as the required SMP addendum was submitted on May 8, 2023 and approved via a letter from NYSDEC on October 18, 2023. Refer to Attachment 5 for a copy of the approval letter. Additionally, a revised monitoring well decommission and replacement work plan was submitted on July 12, 2023 and approved by NYSDEC on July 17, 2023 for the decommissioning and replacement of MW-3, MW-4, and MW-5R, which took place on July 26, 2023.

Groundwater monitoring is conducted annually, usually in the spring; however, this year sampling was conducted in the fall as the SMP addendum was still pending approval in the spring. Based on the results of groundwater analyses, and per the most recent addendum to the SMP, GEC has eliminated the following monitoring wells from the annual groundwater sampling program: (1) MW-20, MW-21, and MW-23 for analysis of polycyclic aromatic hydrocarbons via USEPA Method 8270D-E; (2) MW-3, for dissolved nickel; and (3) MW-10 for dissolved chromium, copper, and nickel. During the 2022 groundwater monitoring event, MW-4 was blocked at 10.2 ft and could not be gauged or sampled for the previous review period. This well was decommissioned on July 26, 2023, along with wells MW-5R and MW-3. The decommissioned wells were replaced by MW-4R, MW-5RR, and MW-3R respectively. Well construction logs are provided in Attachment 3. Additionally, the frequency of Site inspections is reduced from semi-annually to annually as granted

by the NYSDEC in the approval letter dated October 18, 2023. This PRP covers the second semi-annual 2022 Site inspection conducted in October 2022, as well as this year's groundwater monitoring event and concurrent annual Site inspection conducted in October 2023.

Summary

The Site (#1-52-006) consists of approximately 9.35 +/- acres and is located in a mixed industrial/commercial/residential area. The Site is improved with a single-story concrete block building surrounded by paved and unpaved 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, 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 identified five discreet Areas of Concern or AOCs 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. SVOCs from a release of cutting oil were detected in the northern portion of the Site in an area identified as AOC-4.

Remedial activities, completed in January 2008, are 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 fulfilling the remedial goals outlined in the SMP. Refer to Table 1 for the 2023 groundwater monitoring plan.

No SVOCs were detected in groundwater during the October 2023 sampling event above the laboratory reporting limits. No SVOCs have been detected at levels greater than applicable NYSDEC Class-GA Groundwater Standards (Class-GA) over several consecutive monitoring rounds; however, for some constituents the laboratory reporting limit exceeds the NY Water Quality Standard. Currently, only a slightly elevated concentration of nickel was detected in groundwater (e.g. MW-2, and MW-4RR) exceeding the applicable Class-GA Groundwater Standard. Chromium and/or copper were either not detected above the laboratory reporting limit, and/or well below the applicable Class-GA Groundwater Standard. Analytical results for the annual sampling event conducted in October 2023 indicate steady state conditions or continued gradual declines in detected concentrations for monitored parameters since remedial activities were completed in 2006. When detected, these metals are within historic ranges. Refer to Tables 2 and 3 for summaries of the

SVOC and metal analytical data, respectively, for groundwater.

SVOCs include a diverse group of organic compounds, of which the key analytes of concern for this Site are comprised of polycyclic aromatic hydrocarbons (PAHs) and phthalates because these are the compounds that may be associated with a release of used naphthenic cutting oils. The following PAHs have Class-GA standards: (1) acenaphthene (20 μg/l), and (2) naphthalene (10 μg/l).

1. No acenaphthene has been detected in any groundwater sample from MW-19, MW-20, MW-21, and MW-23 during the period January 2007 to (MW-19 in) October 2023; the sample quantitation limit was always below the Class-GA standard.

2. Naphthalene was detected in each monitoring well at least once since January 2007, usually when naphthalene was also detected in the method blank. Usually no naphthalene was detected, and the sample quantitation limit was always below naphthalene's Class-GA standard. No Naphthalene was detected in groundwater during this monitoring period.

For the phthalates, Class-GA standards exist for bis-(2-ethylhexyl)phthalate (5 μg/l) and di-n-butylphthalate (50 μg/l). When detected, these phthalates were usually also detected in the method blank. Bis-(2-ethylhexyl)phthalate was last detected above its Class-GA standard in March 2011. Since that time, bis-(2-ethylhexyl)phthalate was rarely detected, even for numerous sampling rounds where the sample quantitation limit was less than the Class-GA standard. Di-n-butylphthalate was last detected at concentrations greater than its Class-GA standard in March 2011. The sample quantitation limit for di-n-butylphthalate has always been below its Class-GA standard.

The levels of detected nickel in groundwater samples from MW-2, MW-4R and MW-12 during the current and/or recent annual monitoring rounds indicate the continued presence of nickel at levels above its Class-GA standard. The concentrations of nickel in MW-2 have been detected at a level above its Class-GA standard (0.1 mg/l) twenty-two times in the twenty-four monitoring rounds from 2007 to 2023 and stayed above 0.22 mg/L during past eight years (2016 to 2023). The concentrations of nickel in MW-12 have remained above or equal to its Class-GA standard since 2021.

The levels of detected copper in groundwater samples from MW-12 during the current and/or recent annual monitoring rounds indicate the continued presence of copper at levels exceeding the sample quantitation limit but at or below its Class-GA standard since 2021.

Chromium was detected in only one monitoring well (MW-12) during this monitoring period above its sample quantitation limit but below its Class-GA standard. Chromium has been detected above its standard in only one of ten groundwater samples collected from this well since March 2014. Historically, chromium has been detected above laboratory sample quantitation limits but below its Class-GA standard.

During the October 2023 groundwater monitoring round, which was conducted to evaluate the effectiveness of the remedial program, the following modifications were made to the approved

Groundwater Monitoring Plan as granted by NYSDEC in the Site Management PRR Response Letter dated October 18, 2023:

(1) Monitoring well MW-3 was decommissioned and removed from the monitoring plan due to obstruction of the well's riser, and because nickel levels found in MW-3 have not exceeded its Class-GA standard in most monitoring rounds since 2009.

(2) Monitoring well MW-10 was removed from the monitoring plan for nickel because concentrations of nickel in this well have been consistently non-detectable since 2018, and concentrations detected prior to 2018 were consistently below its Glass GA standard since 2009. MW-10 was also removed from the monitoring plan for copper because it has not been detected during the last six monitoring rounds (April 2017 to May 2022) and the concentrations of copper detected from March 2013 to April 2016 were below the Class-GA standard.

(3) MW-20, MW-21, and MW-23 were removed from the monitoring plan for SVOCs because, except for detections of low concentrations of Di-n-butyl phthalate (DBP) in AOC-4, there have been no samples detected above laboratory reporting limits since 2011, indicating general stability or improvement in site groundwater quality.

(4) MW-26R was found to be destroyed during the 2021 sampling event. GEC did not recommend the repair or replacement of MW-26R in 2021; therefore, it was not included in the 2022 sampling round. In 2023 it was removed from the groundwater monitoring plan and officially decommissioned.

(5) Monitoring wells MW-3, MW-4, and MW-5R have been decommissioned and replaced by MW-3R, MW-4R, and MW-5RR. See Attachment 3 for well construction logs.

Groundwater samples were submitted to Pace Analytical Laboratory of Longmeadow, Massachusetts (Laboratory ID: 10899) for analysis. Refer to Attachment 4 for the laboratory certificate of analysis and Tables 2 and 3 for summaries of SVOCs and total metals results, respectively.

Compliance

No compliance issues were found with the groundwater sampling program, Site Management Plan (SMP), or the Institutional Control/Engineering Control (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 into with NYSDEC on August 2, 2012, Linzer assumed all 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 monitoring the effectiveness of the remedial program at the currently approved frequency.

1. IC/EC inspections should take place annually, and possibly moved to the fall (October) to be consistent with the 2023 sampling round, and in conjunction with the annual groundwater monitoring.

2. Approved analytical methods should be expanded to include USEPA Method 6020B for metals and USEPA Method 8270D-E for SVOCs. Care shall be taken to make sure that sample quantitation limits for analytes of concern (i.e., metals, PAHs, and phthalates) are below Class-GA standards.

2.0 SITE OVERVIEW

The Site, located in 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.

Based on the results of environmental investigations, five discreet AOCs were identified on the Site and are as follows.

- AOC-1 - located to the east-southeast of the building directly east of the current loading dock area - 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 - located 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 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.

Refer to Figure 2 for the locations of the five AOCs.

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 *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. The monitoring wells and analytes included in the post-remedial monitoring plan were identified in the original Groundwater Sampling Program provided in the SMP.

GEC has been developing a plan of Long-Term Monitoring Optimization (LTMO) in accordance with EPA guidance [https://www.epa.gov/remedytech/roadmap-long-term-monitoring-optimization] [https://www.epa.gov/remedytech/demonstration-two-long-term-groundwater-monitoring-optimization-approaches]. 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 continued until 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. Following the submittal of the previous PRR, GEC requested that the semi-annual frequency of IC/EC inspection be reduced to an annual inspection to coincide with the annual sampling event, and approval for this change was granted on March 31, 2023.

According to the Amended ROD, an environmental easement was implemented, and a Soil Management Plan developed to ensure safety if 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. It should be noted that a building addition was completed as previously reported; however, the addition was conducted outside of the five AOCs and did not disturb any of the AOC subsurface conditions.

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 exposure of persons at or

around the Site to metals and PAHs in soil and groundwater.

During the October 2023 monitoring event, groundwater samples were collected from monitoring well MW-12 for analysis of chromium, copper, and nickel, and from MW-2, MW-4R, and MW-5RR for analysis of nickel. Groundwater samples were collected from MW-19 for analysis of SVOCs. Laboratory analytical results are used to evaluate the effectiveness of the remedial program.

Discussion of Groundwater Sampling Results from October 2023 Sampling

The selected remedies to reduce or eliminate the release of contaminants from soil into groundwater are effective at remediating nickel, copper, chromium, zinc, and SVOCs in groundwater. Refer to Table 2 and 3 for a summary of the analytical results for SVOCs and metals, respectively. The analytical data are evaluated further in Section 5.0 below.

Based on the Groundwater Monitoring Plan (Table 1) for the October 2023 sampling event, groundwater samples from monitoring wells MW-2, MW-4R, MW-5RR, and MW-12 are analyzed for nickel, including a duplicate of MW-12.

- The concentrations of nickel in MW-2 have been relatively stable since 2020, with the latest results showing 0.23 mg/l compared to 0.26 mg/l the year prior. The nickel levels in groundwater samples analyzed exceed Class-GA standard in most monitoring rounds except the ones sampled in September 2012 and April 2016. Therefore, additional analytical data for nickel is warranted for MW-2.
- Nickel levels found in MW-4 were consistently higher than its Class-GA standard prior to 2022, with nickel levels as high as 1.2 mg/L in 2020 and 2021. In 2022, MW-4 was blocked and therefore replaced by MW-4R in July of 2023. During the 2023 sampling round, MW-4R contained 0.49 mg/l nickel, showing a decrease from the previous years but still exceeding the Class-GA standard. Based on these results, additional analytical data for nickel is warranted for MW-4R.
- MW-5RR was installed in July 2023 to replace MW-5R after it was found under stormwater and therefore could not be sampled in 2022. MW-5R had been sampled twenty times between December 2007 and May 2020. Nickel levels ranged between 0.21 and 1.65 mg/l, which are consistently greater than its Class-GA standard. During this monitoring round, nickel was detected in MW-5RR at a concentration of 0.035 mg/l, lower than its Class-GA standard. However, because this monitoring well has historically exceeded the standard, additional analytical data for nickel is warranted for MW-5RR to determine if the levels of nickel are decreasing consistently.
- Nickel levels found in MW-12 exceeded the Class-GA standard in most groundwater monitoring rounds from 2007 to 2022. The concentration of nickel was lower than its Class-GA standard in 2019 and 2020 but increased to approximately 0.1 mg/l in 2021 and 2022. In 2023, nickel levels in MW-12 and its duplicate sample were 0.54 and 0.59 mg/l respectively.

Based on this finding, additional analytical data for nickel is warranted for MW-12.

Based on the current Groundwater Monitoring Plan, groundwater samples from MW-12, including a duplicate sample, are analyzed for copper. Copper was detected at a level above its Class-GA standard (0.2 mg/l) 14 times within 21 monitoring rounds for this well. Sampling records show copper as detectable since 2007.

- For MW-12, the concentration of copper has been above laboratory reporting limits but below the Class-GA standard for the previous two monitoring rounds (2021 and 2022). The most recent analytical results from this well showed concentrations of 0.13 mg/l and 0.096 mg/l for the sample and duplicate sample respectively, staying below the Class-GA standard and within its historical range. However, since the levels of copper have been detected at levels greater than copper's Class-GA standard fourteen times in twenty-one samples collected during the period January 2007 to October 2023, GEC believes additional analytical data for copper is warranted for MW-12.

Based on the current Groundwater Monitoring Plan, the groundwater samples from MW-12 are scheduled for chromium analysis, including one sample and one duplicate sample. Chromium was detected at 0.010 mg/l in MW-12 and not detected (<0.010 mg/l) in its duplicate. Both values are less than chromium's Class-GA standard of 0.05 mg/l and within the historic range for MW-12, which has had concentrations of chromium ranging from <0.007 to 0.096 mg/l from 2007 to 2023.

- For MW-12, chromium was detected in four out of five sampling rounds since 2018, and exceeded the chromium Class-GA standard in 2020. Based on these results, GEC believes additional analytical data for chromium is warranted for MW-12.

The collection of groundwater samples from monitoring well MW-19 for analysis of SVOCs is part of the Groundwater Monitoring Plan. This well is located within AOC-4, on the north side of the Site building.

- For monitoring well MW-19, the following SVOCs were detected at least once during the period between 2007 to 2023 (see Note 1): (1) bis-(2-ethylhexyl)phthalate, (2) di-n-butylphthalate; (3) naphthalene; and (4) 2-methylnaphthalene (Table 2). Naphthalene and 2-methylnaphthalene are polycyclic aromatic hydrocarbons (PAHs) and the remaining detected SVOCs are phthalates. Of these four SVOCs, the following three have Class-GA standards: (1) naphthalene (10 µg/l); (2) bis-(2-ethylhexyl) phthalate (5 µg/l); and (3) di-n-butylphthalate (50 µg/l).
- Naphthalene[1] was only detected in MW-19 when it was also detected in a method blank during the March 23, 2011 groundwater monitoring event. The level detected (4.09 µg/l) did not exceed naphthalene's Class-GA standard. The sample quantitation limits for naphthalene for these samples were always less than the Class-GA standard.

[1] Petroleum-based cutting oils include both paraffin-based or naphthalene-based oils.

- Bis-(2-ethylhexyl) phthalate was detected in the groundwater sample from MW-19 on March 23, 2011, when it was also detected in the method blank. The level detected was 5.57 µg/l, which is slightly above its Class-GA standard. The only other sample containing a detectable level of bis-(2-ethylhexyl) phthalate (2.19 mg/l, i.e., less than its Class-GA standard) was collected from MW-21 on September 21, 2011. Since September 21, 2011, no bis-(2-ethylhexyl) phthalate was detected in any groundwater sample in any monitoring well. During the last six monitoring rounds (from April 2018 to October 2023), the sample quantitation limits for bis-(2-ethylhexyl) phthalate were greater than its Class-GA standard. However, MW-19 and monitoring wells previously analyzed for SVOCs (MW-20, MW-21, and MW-23) each had samples collected during the period September 2011 to April 2017 with sample quantitation limits for bis-(2-ethylhexyl) phthalate that were less than its Class-GA standard: (1) MW-19 (1 sample); (2) MW-20 (7 samples); (3) MW-21 (9 samples); and (4) MW-23 (9 samples).
- Di-n-butylphthalate was detected in the groundwater sample from MW-19 on March 23, 2011, when it was also detected in the method blank. The level detected was 76.6 µg/l, which is above its Class-GA standard. It was detected again on April 21, 2015 at a concentration below its Class-GA standard. Since that time, di-n-butylphthalate has not been detected in MW-19 and all sample quantitation limits for di-n-butylphthalate since September 2011 have been less than its Class-GA standard.
- 2-Methylnaphthalene was detected in MW-19 on March 23, 2011, when 2-methylnaphthalene was also detected in the method blank, at 5.22 µg/l. No 2-methylnaphthalene has been detected in groundwater samples from any well, including MW-19, since September 21, 2011.
- MW-19 has been sampled a total of 5 times since 2007 since the presence of LNAPL prevented sampling during the majority of previous monitoring rounds. Because of this, there is limited analytical data available for this monitoring well and therefore additional SVOCs analytical data is warranted for MW-19.

Evaluation of Light Non-Aqueous Phase Liquid

LNAPL has only been observed or measured in monitoring well MW-19 located in AOC #4. It was observed in this monitoring well on seventeen of twenty-two occasions over the period January 2007 to October 2023, i.e., a seventeen-year period. LNAPL thickness was measured with an oil-water interface probe capable of measuring LNAPL to a thickness of 0.01 ft (0.12 inch) starting in September 2014 and has ranged from 0.01 feet (0.12 inches) to 0.07 feet (0.84 inches) (see Table 2). The LNAPL thickness prior to September 2014 is unknown. Drought conditions can have an impact on LNAPL thickness. During droughts, as the water table drops, capillary pressures decrease allowing the LNAPL to be more mobile and increasing the likelihood it will flow into a monitoring well. In this monitoring round, GEC did not detect LNAPL in October 2023.

GEC attempted to perform pump-down transmissivity tests at MW-19 in both October of

2018 and May of 2019 to assess whether the LNAPL was recoverable. Neither test resulted in any measurable thickness of product returning into the annular space of the well. This finding indicates that LNAPL recovery is unlikely to be successful, which is expected given the measurement of less than one inch of LNAPL at MW-19 and the hydrophobic nature of paraffinic and naphthenic cutting oils, which causes them to preferentially partition out of the aqueous phase and adsorb to soil particles. To remove the LNAPL, the floor would need to be removed to allow for excavation of the soils containing LNAPL. This approach is not feasible because of the disruption it would cause to facility operations and the in-ordinate cost compared to benefit. Furthermore, GEC questions whether the LNAPL observed in MW-19 is actually representative of LNAPL in the soil beneath the building, as it may be an artifact of LNAPL adsorbed to the filter pack of MW-19.

For MW-19, LNAPL was not measured or observed during four past groundwater monitoring rounds, i.e., on March 24, 2010, March 23, 2011, April 21, 2015, and May 11, 2022. On those occasions, groundwater samples were collected from MW-19 for analysis of semi-volatile organic compounds via USEPA Method 8270. The only SVOCs detected were di-n-butyl phthalate (2 of 3 samples), bis-(2-ethylhexyl)phthalate (1 of 3 samples), naphthalene (1 of 3 samples) and 2-methylnaphthalene (1 of 3 samples). The SVOCs detected may be attributed to small amounts of LNAPL suspended in the groundwater samples. The last time no measurable LNAPL was present in MW-19 prior to this year was on May 11, 2022. A groundwater sample was collected at that time for analysis of SVOCs, and none were detected above laboratory sample quantitation limits. These results indicated that the LNAPL is unlikely to be a significant source of dissolved-phase groundwater contamination.

No LNAPL has been observed or measured in other monitoring wells within or near AOC #4 for the following periods:

Monitoring Well	Gauging/Sampling Period	Number of Attempts
GEC-5	4/2008 to 9/2009	3
MW-21	1/2007 to 5/2022	22
MW-23	1/2007 to 5/2022	22
MW-16	1/2007 to 9/2009	5
MW-17	1/2007 to 9/2009	5
MW-20	1/2007 to 5/2022	17

On October 19, 2023, a groundwater sample and duplicate sample were collected from MW-19 for analysis of SVOCs. Laboratory analytical results are used to evaluate the effectiveness of the remedial program. No SVOCs were detected in the groundwater samples above the laboratory reporting limits. As described above, little to no SVOCs have been detected in groundwater samples from MW-20, MW-21, and MW-23 for at least four years, and MW-20, MW-21, and MW-23 have been removed from the sampling program. Refer to Table 2 for a summary of the SVOC analytical data and to Attachment 4 for the laboratory report.

4.0 IC/EC PLAN COMPLIANCE REPORT

Institutional Controls

Institutional Controls at the Site were established to prevent exposure of persons at or around the Site to metals and SVOCs in groundwater by prohibiting the use of groundwater as a source of potable or process water without appropriate water quality treatment. An Environmental Easement has been recorded on the property Deed with additional restrictions imposed to ensure safety if residual contaminated soils were to be disturbed. The Environmental Easement requires a soil management plan if or 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 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 were established to prevent exposure of persons at or around the Site to metals and SVOCs in soil. Figure 2 shows the location of AOC-1 to AOC-5. 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 October 28, 2022 (the second semi-annual inspection for 2022) and on October 18, 2023 (the sole annual inspection for 2023 per approval of the second SMP addendum) to inspect Site conditions and collect groundwater samples. Please refer to photographs taken during the October 28, 2022 and October 18, 2023 inspections in Attachment 3. The institutional and engineered controls described above are fully in place and were effective at fulfilling the objective of preventing 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. A grass lawn has developed on top of the aggregate which is well maintained.
- AOC-4 is about 75 percent located beneath the building concrete foundation slab, and about 25 percent 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, there are no plans that would have an impact on any of the AOCs in the near future.

Corrective Measures

Monitoring well MW-26R could not be sampled during the May 2022 monitoring round because it was found to be destroyed in the 2021 sampling event. Groundwater samples from MW-26R were previously analyzed for chromium, copper and nickel. No chromium, copper or nickel was detected at concentrations above applicable Class-GA standards over nine monitoring rounds during the period September 2013 to May 2020. Based on these results, GEC does not believe that continued monitoring of MW-26R is warranted, and MW-26R was decommisioned during this monitoring period and not replaced, as approved by NYSDEC. The following three monitoring wells were decomissioned and replaced in July 2023 per a work plan approved by NYSDEC: MW-3, MW-4, and MW-5R. MW-4 was obstructed in 2022 and could not be sampled; this well was therefore decomissioned and replaced by MW-4R. Monitoring well MW-3 was found to be obstructed and therefore replaced by MW-3R. MW-3R is not included in the currently approved groundwater monitoring plan. MW-5R was often under stormwater after rain events, and was therefore decomissioned and replaced by MW-5RR in July 2023. Monitoring well construction logs are available as Attachment 3.

Conclusions and Recommendations

Current Site conditions comply with the provisions of the IC/EC Plan / Site Management Plan. Linzer is forthcoming and proactively consults GEC regarding proposed plans for any improvements to the Site that may disturb the sub-surface within or outside of the AOCs in accordance with the recorded environmental easement.

Linzer should continue with the groundwater monitoring events at the approved annual frequency. The approved Groundwater Monitoring Plan is provided as Table 1.

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 5 monitoring wells is included in the currently approved Groundwater Monitoring Plan (Table 1) that was initiated during this reporting period. For the October 2023 sampling round, the number of wells targeted for sampling and analysis was 5.

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 via the low-flow sampling method. Laboratory analysis includes total chromium, copper, and nickel via USEPA Method 6010 or 6020 and/or SVOCs via USEPA Method 8270 D-E. 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 2022, one round of long-term groundwater monitoring was conducted during October 2023. A total of 5 monitoring wells were sampled for metals or SVOCs, plus duplicate samples for MW-12 and MW-19, a matrix spike, and matrix spike duplicate, as shown in Table 1.

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 6020B or SVOCs via USEPA Method 8270D-E. Samples were submitted to Pace Laboratories of Longmeadow, Massachusetts, which is 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 4.

Comparison with Remedial Objectives

The remediation goal for the Site is to attain, to the extent practicable, ambient Class-GA groundwater quality standards. Monitoring wells are sampled for analysis of select metals, as follows: (1) MW-5RR (nickel) for AOC #1 (2) MW-2 (nickel) and MW-12 (chromium, copper and nickel) in AOC #2 and AOC #5; and (3) MW-4R (nickel) in AOC #3. Overall, metal concentrations are essentially consistent compared to historical data, as summarized in Table 3.

Monitoring wells MW-2, MW-4R, MW-5RR, and MW-12 were sampled and analyzed during this monitoring round, and the levels of nickel (0.035 to 0.59 mg/l) are at or above its Class-GA standard (0.1 mg/l) with the exception of MW-5RR, which was below the Class-GA standard. Based on these findings, continued groundwater monitoring for nickel is warranted for monitoring

wells MW-2, MW-4, MW-5R and MW-12.

Groundwater from one monitoring well (MW-12) was analyzed for copper during this monitoring event in October 2023. The groundwater sample and a duplicate sample from the same well had levels of copper below its Class-GA standard (0.2 mg/l). For MW-12, the Class-GA standard was last exceeded in May 2020. Based on these findings, continued groundwater monitoring for copper is warranted for monitoring well MW-12.

Groundwater from MW-12 was analyzed for Chromium during this round and was detected at 0.010 mg/l in MW-12 and not detected (<0.010 mg/l) in its duplicate. Both values are less than chromium's Class-GA standard of 0.05 mg/l and within the historic range for MW-12, which has had concentrations of chromium ranging from <0.007 to 0.096 mg/l from 2007 to 2023. Based on these findings, continued groundwater monitoring for chromium is warranted for monitoring well MW-12.

Monitoring well MW-19 was sampled for SVOCs. This well is located within AOC-4, on the north side of the Site building. Based on groundwater analytical data for MW-19, findings are consistent with prior analytical data for this monitoring well, and no PAHs or phthalates have been detected at levels above applicable Class-GA standards since 2011. However, limited groundwater analytical data is available for MW-19. Based on these findings, continued groundwater monitoring for SVOCs is warranted for MW-19, during monitoring rounds when no LNAPL is present. Refer to Table 2 for a summary of SVOC analytical data.

Changes made to Groundwater Monitoring Component of Site Management Plan

The original Groundwater Monitoring Plan presented in the 2009 SMP was revised by eliminating some monitoring wells from the scheduled monitoring and by reducing the groundwater monitoring frequency from semi-annual to annual. GEC received oral approval from the NYSDEC after submitting the 2015 PRR and official approval in the form of a Site Management Addendum letter, dated March 31, 2016, which was included in the June 2017 PRR. A second addendum to the SMP was submitted May 8, 2023 which eliminated further monitoring wells from the scheduled sampling plan and reduced the Site inspection frequency from semi-annual to annual. GEC received oral approval from the NYSDEC after submitting the 2022 PRR and official approval in the form of a Site Management Addendum letter dated October 18, 2023. A copy of this letter is provided as Attachment 5. The current approved Groundwater Monitoring Plan is provided as Table 1.

Monitoring during this reporting period complied with that approved in the 2023 Site Management Addendum letter, with the following qualifier(s):

1. Groundwater samples were analyzed for SVOCs via USEPA Method 8270E instead of USEPA Method 8270C; both modifications of USEPA Method 8270 are comparable and target the same analytes of concern.

GEC recommends no further revision of the Groundwater Monitoring Plan at this time.

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 SVOCs in soil and groundwater. All requirements of the IC/EC and Environmental Easement were met during the reporting period. The recent construction of a building addition (i.e. between 2020-2021) did not encroach on any AOC and, therefore, did not require implementation of the Soil Management Plan presented in the SMP. Site inspections to verify the effectiveness of the IC/EC will continue. Given the long history of Site inspections and Linzer's communications with GEC about Site issues and plans, IC/EC inspections have been reduced to once a year concurrent with groundwater sampling in the fall. A fall inspection would confirm whether any damage occurred to the AOC coverings during snow removal over the prior winter.

Long-term groundwater monitoring was established in the 2009 SMP, and, based on years of groundwater analytical data, was subsequently modified by GEC in 2016 and again in 2023 with NYSDEC's authorization.

Performance and Effectiveness of the Remedy

The terms of the IC/EC established in the Environmental Easement have been effective in achieving the remedial objective of eliminating exposures of persons at or around the Site to metals and SVOCs in soil and groundwater. Currently the groundwater data have shown that the other remedial objectives have been met at specific monitoring wells and will likely be met for the remaining monitoring wells over time. Using the groundwater monitoring data, the remedial objectives are to: (1) reduce the release of contaminants from soil into groundwater that may create exceedances of ambient groundwater quality standards; (2) meet ambient Class-GA Groundwater Standards; and (3) 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 and historic analytical data suggest.

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 December 31, 2024. The frequency of sampling and Site inspections shall 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.

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Brian T. Butler

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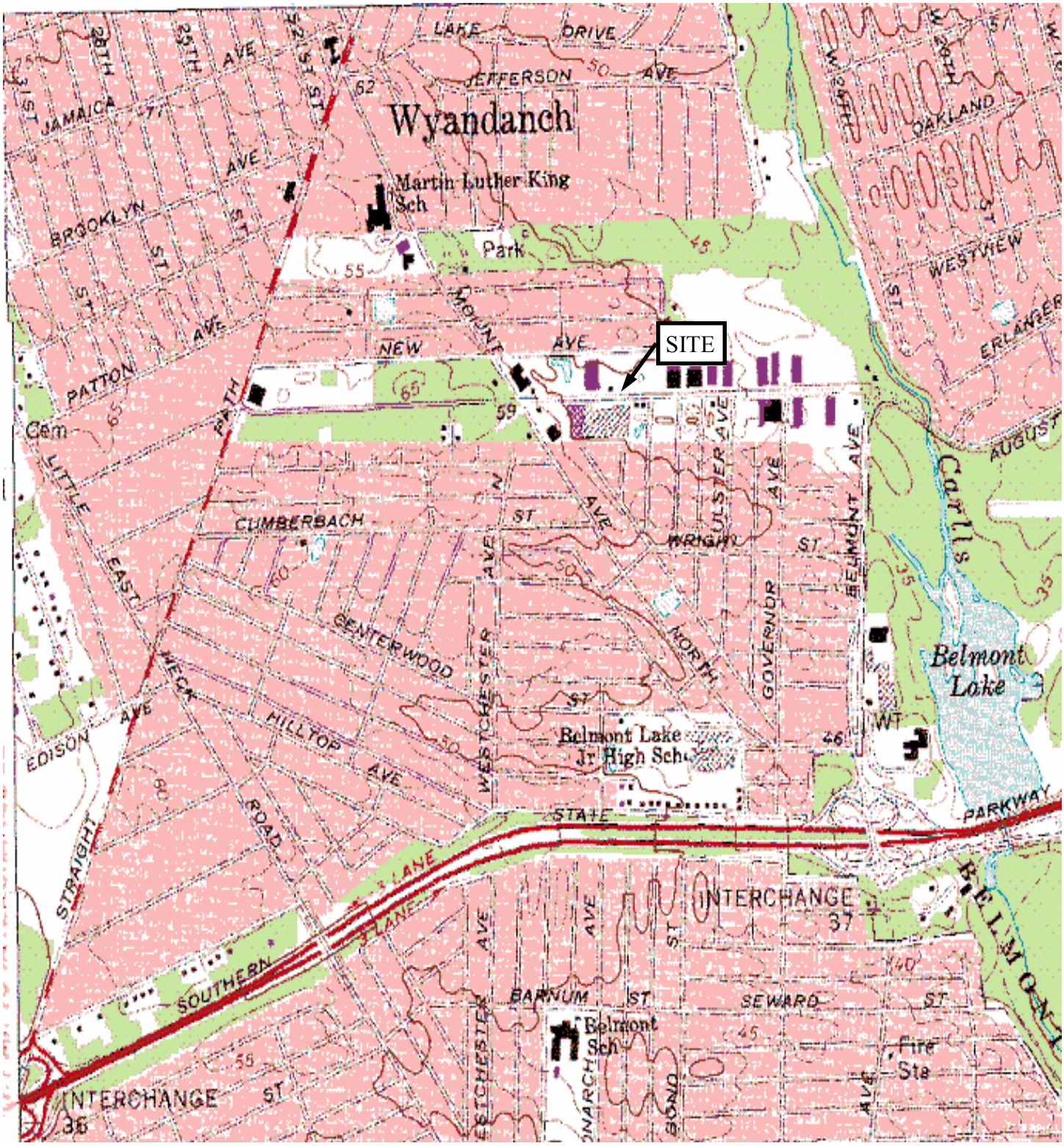
FIGURES

FIGURE 1:

Site Locus



USGS 7.5 Minute Topographic

Bay Shore
NewYork, Quadrangle

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SITE LOCUS

248 Wyandanch Avenue
Wyandanch, New York

GEC Project #: 1744-1130

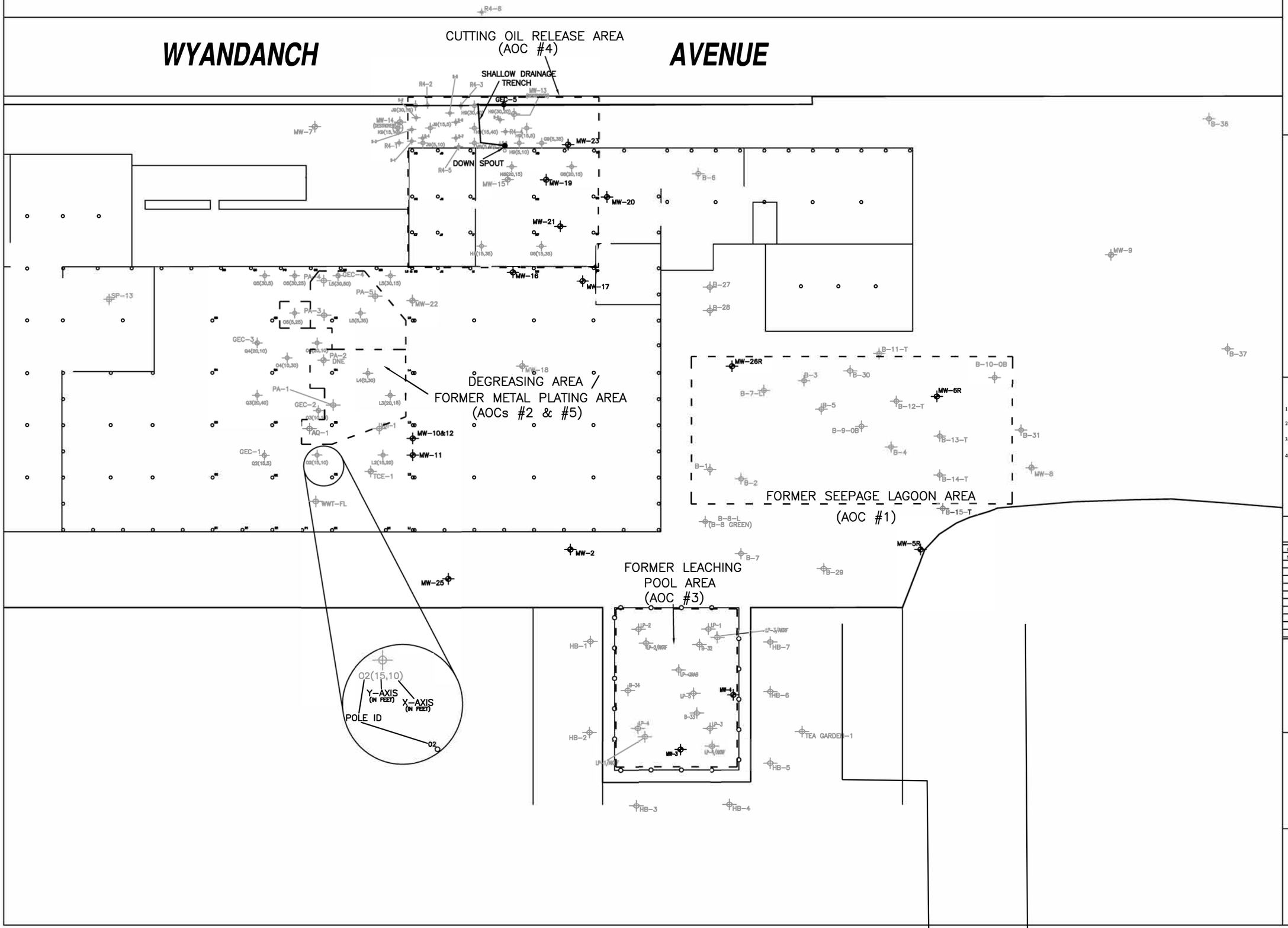
Figure 1

Scale
1 : 25,000

N

FIGURE 2:

Site Plan of Remediation Areas & Sample Locations



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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 1-1299.

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

Revisions

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

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

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

Monitoring Well	Associated AOC	Screen Depth (feet)	Chromium, Copper, Nickel (6010C or 6020B)	Nickel (6010C or 6020B)	Semi-VOCs (8270C or D)
MW-2	AOC-2	6-16		X	
MW-4	AOC-3	10-20		X	
MW-5R	AOC-1	6-16		X	
MW-12	AOC-2 and 5	5-15	X		
MW-19	AOC-4	5-25			X [1]
MS			X		X [1]
MS-DUP			X		X 1
Total			**3**	**3**	**3**

AOC = Area of Concern
Semi-VOCs = Semi-Volatile Organic Compounds
Note 1: A sample will be collected from MW-19 for analysis when no LNAPL is present during a sampling/gauging round.
MS = Matrix Spike
DUP = Duplicate

TABLE 2:

Summary of Groundwater Analytical Data: Semi-Volatile Organic Compounds (SVOCs)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	3,3-Dichloro benzidine	SQL	2,4-Dichlorophenol	SQL	Di-n-butyl phthalate	SQL	Diethyl phthalate	SQL
MW-2	12/4/2007	8270	ND	5	ND	5	ND	5					ND	5			ND	5				
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																				
	4/16/2008***	Well destroyed during soil remediation, to be replaced.																				
	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.																				
	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-6R	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		
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5	ND		ND	5	ND	5		
	4/16/2008***	8270	ND	0.5	ND	0.5	ND	0.1	ND		ND		ND	0.02	ND		NA	- - -	ND	0.02		
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																				
	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

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	1,4 - Dioxane	SQL
MW-2	12/4/2007	8270	ND	5	ND	5	ND	5	ND	5					ND	5	ND	5						
MW-3	1/25/2007	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
(AOC #3)	12/4/2007***	Well not samp																						
	4/16/2008***	Well destroyed																						
	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	NR	
	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	NR	
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																						
	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	NR	
(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	NR	
	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	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	NR	
	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	NR	
	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	NR	
MW-6R	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		
	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	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	0.5		
MW-10	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
(AOC # 2/5)	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	9/11/2008***	Sample contair																						
	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	NR	
	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	NR	
MW-11	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
(AOC # 2/5)	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	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	NR	
	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	NR	
	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	NR	
MW-12	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
(AOC # 2/5)	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	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	NR	
	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	NR	
	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	NR	
MW-16	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10	NR	
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	1	NR	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	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	NR	
	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	NR	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	3,3-Dichloro benzidine	SQL	2,4-Dichlorophenol	SQL	Di-n-butyl phthalate	SQL	Diethyl phthalate	SQL
MW-17	4/6/1999	8270	ND	10	ND	10	ND	10	ND		ND		ND	10	ND		ND	10	ND	10		
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND		ND	5	ND		ND	5	ND	5		
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5	ND		ND	5	ND	5		
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5	ND		ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND		ND	5	ND		ND	5	ND	5	ND	5
	9/11/2008***	Sample container broken in transit to laboratory																				
	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	1/24/2007***	Well was not sampled due to the presence of LNAPL																				
(AOC #4)	12/7/2007***	Well was not sampled due to the presence of LNAPL																				
	4/16/2008***	Well was not sampled due to the presence of LNAPL																				
	9/11/2008***	Well was not sampled due to the presence of LNAPL																				
	3/20/2009***	Well was not sampled due to the presence of LNAPL																				
	9/29/2009***	Well was not sampled due to the presence of LNAPL																				
	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
	9/16/2010***	Well was not sampled due to the presence of 0.04' of LNAPL																				
	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
	9/21/2011***	Well was not sampled due to the presence of LNAPL																				
	3/27/2013***	Well was not sampled due to the presence of trace amount of LNAPL																				
	9/17/2013***	Well was not sampled due to the presence of trace amount of LNAPL																				
	9/17/2014***	Well was not sampled due to the detection of 0.02' of LNAPL																				
	4/21/2015 ***	8270D	ND	0.96	ND	1.10	ND	1.20	ND	0.51	ND	0.52	ND	1.25	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																				
	4/23/2018***	Well was not sampled due to the detection of 0.01' of LNAPL																				
	5/7/2019***	Well was not sampled due to the detection of 0.02' of LNAPL																				
	5/22/2020***	Well was not sampled due to the detection of 0.07' of LNAPL																				
	3/2/2021***	Well was not sampled due to the detection of 0.03' of LNAPL																				
	5/11/2022***	8270E	ND	5.0	ND	5.0	ND	5.0	NR		ND	10	ND	5.0	ND	10	ND	10	ND	10	ND	10
	10/19/2023***	8270E	ND	4.5	ND	4.5	ND	4.5	NR		ND	8.9	ND	4.5	ND	8.9	ND	8.9	ND	8.9	ND	8.9
Duplicate	10/19/2023***	8270E	ND	4.5	ND	4.5	ND	4.5	NR		ND	9.0	ND	4.5	ND	9.0	ND	9.0	ND	9.0	ND	9.0
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.																				
	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	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	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	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	1.33	ND	0.72	9.06	B 1.08	ND	1.00
	4/23/2018***	8270D	ND	5.0	ND	5.0	ND	5.0	NR		ND	10	ND	5.0	ND	10	ND	10	ND	10	ND	10
	5/7/2019***	8270D	ND	5.1	ND	5.1	ND	5.1	NR		ND	10	ND	5.1	ND	10	ND	10	ND	10	ND	10
	5/21/2020***	8270D	ND	5.1	ND	5.1	ND	5.1	NR		ND	10	ND	5.1	ND	10	ND	10	ND	10	ND	10
	3/3/2021***	8270D-E	ND	4.9	ND	4.9	ND	4.9	NR		ND	9.8	ND	4.9	ND	9.8	ND	9.8	ND	9.8	ND	9.8
	5/12/2022***	8270E	ND	5.4	ND	5.4	ND	5.4	NR		ND	11	ND	5.4	ND	11	ND	11	ND	11	ND	11

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	1,4 - Dioxane	SQL
MW-17	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10	NR	
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	9/11/2008***	Sample contair																						
	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	NR	
	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	NR	
MW-19	1/24/2007***	Well was not s																						
(AOC #4)	12/7/2007***	Well was not s																						
	4/16/2008***	Well was not s																						
	9/11/2008***	Well was not s																						
	3/20/2009***	Well was not s																						
	9/29/2009***	Well was not s																						
	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	NR	
	9/16/2010***	Well was not s																						
	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	NR	
	9/21/2011***	Well was not s																						
	3/27/2013***	Well was not s																						
	9/17/2013***	Well was not s																						
	9/17/2014***	Well was not s																						
	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	NR	
	4/20/2016***	Well was not s																						
	4/10/2017***	Well was not s																						
	4/23/2018***	Well was not s																						
	5/7/2019***	Well was not s																						
	5/22/2020***	Well was not s																						
	3/2/2021***	Well was not s																						
	5/11/2022***	8270E	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	
	10/19/2023***	8270E	ND	4.5	ND	4.5	ND	4.5	ND	4.5	ND	8.9	ND	8.9	ND	4.5	ND	4.5	ND	18	ND	8.9	NR	
Duplicate	10/19/2023***	8270E	ND	4.5	ND	4.5	ND	4.5	ND	4.5	ND	9.0	ND	9.0	ND	4.5	ND	4.5	ND	18	ND	9.0	NR	
MW-20	4/6/2006	8270	ND	0.50	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND		NR	
(AOC #4)	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	9/11/2008***	Well was not																						
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	4/23/2018***	8270D	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	
	5/7/2019***	8270D	ND	5.1	ND	5.1	ND	5.1	ND	5.1	ND	10	ND	10	ND	5.1	ND	5.1	ND	5.1	ND	10	NR	
	5/21/2020***	8270D	ND	5.1	ND	5.1	ND	5.1	ND	5.1	ND	10	ND	10	ND	5.1	ND	5.1	ND	5.1	ND	10	NR	
	3/3/2021***	8270D-E	ND	4.9	ND	4.9	ND	4.9	ND	4.9	ND	9.8	ND	9.8	ND	4.9	ND	4.9	ND	4.9	ND	9.8	NR	
	5/12/2022***	8270E	ND	5.4	ND	5.4	ND	5.4	ND	5.4	ND	11	ND	11	ND	5.4	ND	5.4	ND	5.4	ND	11	NR	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	3,3-Dichloro benzidine	SQL	2,4-Dichlorophenol	SQL	Di-n-butyl phthalate		SQL	Diethyl phthalate	SQL
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	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	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	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	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	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	6.65	ND	3.65	ND		5.40	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	1.33	ND	0.72	8.42	B	1.08	ND	1.00
	4/23/2018***	8270D	ND	5.1	ND	5.1	ND	5.1	NR		ND	10	ND	5.1	ND	10	ND	10	ND		10	ND	10
	5/7/2019***	8270D	ND	5.0	ND	5.0	ND	5.0	NR		ND	10	ND	5.0	ND	10	ND	10	ND		10	ND	10
	5/21/2020***	8270D	ND	5.0	ND	5.0	ND	5.0	NR		ND	10	ND	5.0	ND	10	ND	10	ND		10	ND	10
	3/2/2021***	8270D-E	ND	4.9	ND	4.9	ND	4.9	NR		ND	9.8	ND	4.9	ND	9.8	ND	9.8	ND		9.8	ND	9.8
	5/11/2022***	8270E	ND	5.0	ND	5.0	ND	5	NR		ND	10	ND	5.0	ND	10	ND	10	ND		10	ND	10

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	1,4 - Dioxane	SQL
MW-21	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND		NR	
(ACO #4)	4/6/2006	8270	ND	0	ND	0.95	ND	1	ND	1	ND		ND		ND	0	ND	1	ND		ND		NR	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	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		Nr	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	4/23/2018***	8270D	ND	5.1	ND	5.1	ND	5.1	ND	5.1	ND	5.1	ND	10	ND	5.1	ND	5.1	ND	5.1	ND	10	NR	
	5/7/2019***	8270D	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	
	5/21/2020***	8270D	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	
	3/2/2021***	8270D-E	ND	4.9	ND	4.9	ND	4.9	ND	4.9	ND	9.8	ND	9.8	ND	4.9	ND	4.9	ND	4.9	ND	9.8	NR	
	5/11/2022***	8270E	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	3,3-Dichloro benzidine	SQL	2,4-Dichlorophenol	SQL	Di-n-butyl phthalate	SQL	Diethyl phthalate	SQL
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	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	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	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	1.90	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	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	6.65	ND	3.65	ND	5.40	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	1.33	ND	0.72	10.07	B 1.08	ND	1.00
	4/23/2018***	8270D	ND	5.1	ND	5.1	ND	5.1	NR		ND	10	ND	5.1	ND	10	ND	10	ND	10	ND	10
	5/6/2019***	8270D	ND	5.0	ND	5.0	ND	5.0	NR		ND	10	ND	5.0	ND	10	ND	10	ND	10	ND	10
	5/21/2020***	8270D	ND	5.0	ND	5.0	ND	5.0	NR		ND	10	ND	5.0	ND	10	ND	10	ND	10	ND	10
	3/2/2021***	8270D-E	ND	4.9	ND	4.9	ND	4.9	NR		ND	9.7	ND	4.9	ND	9.7	ND	9.7	ND	9.7	ND	9.7
	5/11/2022***	8270E	ND	5.0	ND	5.0	ND	5.0	NR		ND	10	ND	5.0	ND	10	ND	10	ND	10	ND	10
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																				
	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
NY Water Quality Standards			20		50		0.002		NV		5		0		5		0.3		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 (current to Janaury 2018). https://govt.westlaw.com/nycrr/Document/I4ed90418cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)
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

SQL= Sample Quantitation Limit

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

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
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	1,4 - Dioxane	SQL
MW-23	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND		NR	
(AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND		NR	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND		NR	
	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		NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	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	NR	
	4/23/2018***	8270D	ND	5.1	ND	5.1	ND	5.1	ND	5.1	ND	5.1	ND	10	ND	5.1	ND	5.1	ND	5.1	ND	10	NR	
	5/6/2019***	8270D	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	
	5/21/2020***	8270D	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	
	3/2/2021***	8270D-E	ND	4.9	ND	4.9	ND	4.9	ND	4.9	ND	4.9	ND	9.7	ND	4.9	ND	4.9	ND	4.9	ND	9.7	NR	
	5/11/2022***	8270E	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	10	ND	10	ND	5.0	ND	5.0	ND	5.0	ND	10	NR	
MW-26R	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
(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	NR	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	12/4/2007***	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10	NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	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	NR	
	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	NR	
	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	NR	
GEC-5[+]	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
(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	NR	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5	NR	
	9/11/2008***	Sample contair																						
	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	NR	
	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	NR	
NY Water Quality Standards			50		50		NV		10		5		5		50		NV		NV		5		NV	

Not ND= Not Detected above SQL
NV= No standard or guidance value available as of January 2018.
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.
NR= Not Reported
B= The method blank associated with these samples contained compunds detected at an unknown concentration
8270= USEPA Method 8270

TABLE 3:

Summary of Groundwater Analytical Data: Total Metals

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	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	**0.256**	--	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	**0.3**	0.05	ND		0.05
	4/16/2008***	200.7	ND	0.05	ND	0.05	**0.3**	0.05	ND		0.05
	9/10/2008***	200.7	ND	0.001	0.024	0.001	**0.2**	0.001	0.119		0.002
	3/30/2009***	6010/200.7	ND	0.0016	ND	0.0029	**0.15**	0.0005	0.04		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		- -
	4/23/2018***	6010C	NA	- -	NA	- -	**0.35**	0.010	NA		- -
	5/6/2019***	6010D	NA	- -	NA	- -	**0.34**	0.010	NA		- -
	5/21/2020***	6010D	NA	- -	NA	- -	**0.26**	0.010	NA		- -
	3/3/2021***	6020B	NA	- -	NA	- -	**0.28**	0.005	NA		- -
	5/11/2022***	6020B	NA	- -	NA	- -	**0.26**	0.005	NA		- -
	10/19/2023***	6010D	NA	- -	NA	- -	**0.23**	0.010	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	0.03		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	- -	0.08	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		
	4/23/2018***	6010C	NA		NA		0.076	0.010	NA		
	5/6/2019***	6010D	NA		NA		0.078	0.010	NA		
	5/21/2020***	6010D	NA		NA		0.052	0.010	NA		
	3/3/2021***	6020B	NA		NA		0.036	0.005	NA		
	5/11/2022***	6020B	Not sampled well obstructed								
NYSDEC Class GA Groundwater Standard			0.05		0.2		0.1		2		

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

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	Chromium	SQL	Copper	SQL	Nickel	SQL	Zinc	SQL
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	- -	**0.5**	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	- -
	4/23/2018***	6010C	NA	- -	NA	- -	**0.24**	0.010	NA	- -
	5/6/2019***	6010D	NA	- -	NA	- -	**0.41**	0.010	NA	- -
	5/21/2020***	6010D	NA	- -	NA	- -	**1.2**	0.001	NA	- -
	3/3/2021***	6020B	NA	- -	NA	- -	**1.2**	0.050	NA	- -
	5/11/2022***	6020B	Not sampled, well obstructed							
MW-4R	10/19/2023***	6010D	NA	- -	NA	- -	**0.49**	0.0010	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	- -
	4/23/2018***	6010C	NA		NA		**1.6**	0.0100	NA	
	5/6/2019***	6010D	NA		NA		**0.20**	0.0100	NA	
	5/21/2020***	6010D	NA		NA		0.10	0.0100	NA	
	3/3/2021***	6020B	Not sampled, well underwater							
	5/11/2022***	6020B	Not sampled, well underwater							
MW-5RR	10/19/2023***	6010D	NA	- -	NA	- -	0.035	0.010	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		0.2		0.1		2.0	

Notes:
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NA= Not Analyzed
ND= Not detected above SQL
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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

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	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	
	4/23/2018***	6010C	ND	0.010	ND	0.010	ND	0.010	NA	
	5/6/2019***	6010D	ND	0.010	ND	0.010	ND	0.010	NA	
	5/21/2020***	6010D	ND	0.010	ND	0.010	ND	0.010	NA	
	3/2/2021***	6020B	0.0016	0.001	ND	0.001	ND	0.005	NA	
	5/12/2022***	6020B	ND	0.001	ND	0.001	ND	0.005	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	
	4/23/2018***	6010C	ND	0.010	0.099	0.010	**0.40**	0.010	NA	
	5/6/2019***	6010D	0.013	0.010	**0.860**	0.010	0.072	0.010	NA	
	5/21/2020***	6010D	**0.096**	0.010	**0.500**	0.010	0.069	0.010	NA	
	3/2/2021***	6020B	0.007	0.001	0.078	0.001	**0.111**	0.005	NA	
	5/12/2022***	6020B	0.006	0.001	0.100	0.001	0.100	0.005	NA	
	10/19/2023***	6010D	0.010	- -	0.13	- -	**0.54**	0.010	NA	- -
Duplicate	10/19/2023***	6010D	ND	- -	0.096	- -	**0.59**	0.010	NA	- -
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

Revised: 4/12/2021

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	Chromium		SQL	Copper		SQL	Nickel		SQL	Zinc	SQL
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	
	4/23/2018***	6010C	ND	#	0.010	0.032		0.010	ND		0.010	NA	
	5/6/2019****	6010D	ND		0.010	0.019		0.010	ND		0.010	NA	
	5/21/2020***	6010D	ND		0.010	0.015		0.010	ND		0.010	NA	
	3/2/2021***	6020B	Not sampled, well destroyed										
	5/11/2022***	6020B	Not sampled, well destroyed										
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

ATTACHMENT 1:

Periodic Review Report Certification Statement & IC/EC Certification Forms

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

12/22/2023

Mr. Leonard Zichlin
Vice President
Linzer Products Corp.
248 Wyandanch Ave
West Babylon, NY 11704
Lenz@linzerproducts.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Jameco Industries, Inc.
Site No.: 152006
Site Address: 248 Wyandanch Avenue
Wyandanch, NY 11798

Dear Mr. Leonard Zichlin:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **October 31, 2023**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Jahan Reza, the Project Manager, at 631-444-0242 or jahan.reza@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
SUNY at Stony Brook
50 Circle Road
Stony Brook, NY 11790-3409

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

Linzer Products Corp. - lenz@linzerproducts.com

ec: w/ enclosures

Jahan Reza, Project Manager

Girish Desai, Hazardous Waste Remediation Supervisor, Region 1

Goldman Environmental Consultants, Inc. - Matt perrotti - mperrotti@goldmanenvironmental.com

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: 9.360

Reporting Period: June 01, 2022 to October 01, 2023

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

Box 2

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

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 Engineering Control 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
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The 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
X	☐

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 248 Wyandanch Ave, West Babylon, N.Y. (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, CFO
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

1/2/24
Date

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 (print name) at 97 Asylum Rd, Warwick RI 02886-8001 (print business address),

am certifying as a Professional Engineer for the _Linzer Products Corp_ (Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	2 JAN 2024 Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

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

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

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

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

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

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

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

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

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

VII. Overall PRR Conclusions and Recommendations

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

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

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

VIII. Additional Guidance

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

ATTACHMENT 2:

Inspection Photographs, IE/EC Inspection Forms, & Monitoring Well Purge Data Evaluation

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

Inspector 1: Sam Hess **Dates on Site: 10/28/2022**
Inspector 2: _____ **Start time: 09:30 Finish time: 10:30**

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 or May 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: **10/28/2022 09:30-10:30**
Condition of surface integrity: Surface is intact, covered by pavement

Any observed apparent subsurface work in AOC? None observed
If yes, describe: _____

Any work proposed or anticipated by plant personnel? None planned
Describe _____

AOCs-2&5, Plant interior enclosed by columns P6, L6K6, L2 and Q2
Date and time of inspection: **10/28/2022 09:30-10:30**
Condition of surface integrity: Surface is intake, covered by concrete

Any observed apparent subsurface work in AOC? None observed
If yes, describe: _____

Any work proposed or anticipated by plant personnel? None planned
If yes, describe: _____

AOC-4, Area of plant including stockroom and outside lawn out to sidewalk.
Date and time of inspection: **10/28/2022 09:30-10:30**

Condition of surface integrity: Surface is intact, interior covered by concrete. Exterior covered by dirt, gravel, and grass

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

Any work proposed or anticipated by plant personnel? None planned
Describe

AOC-3, Square parcel extending south of south property line and enclosed by chain-link fence.
Date and time of inspection: **10/28/2022 09:30-10:30**
Condition of surface integrity: Surface is intact, covered by lawn

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

Any work proposed or anticipated by plant personnel? None planned
If yes, describe:

Interviews:

Briefly discuss with knowledgeable plant personnel (**Len Zichlin**, comptroller).
Describe below: Interviewed Len Zichlin

Subsurface construction or utility work: None planned

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

Anticipated subsurface work within soil and/or groundwater beneath Site property:
None planned

Former Jameco Facility
Site Inspection Photos: 10-28-2022

Photos 1A and 1B: AOC 3. View looking west from southwest corner of AOC-1.

Former Jameco Facility
Site Inspection Photos: 10-28-2022

Photo 2: AOC 1. Taken from south side of AOC 1 looking north.

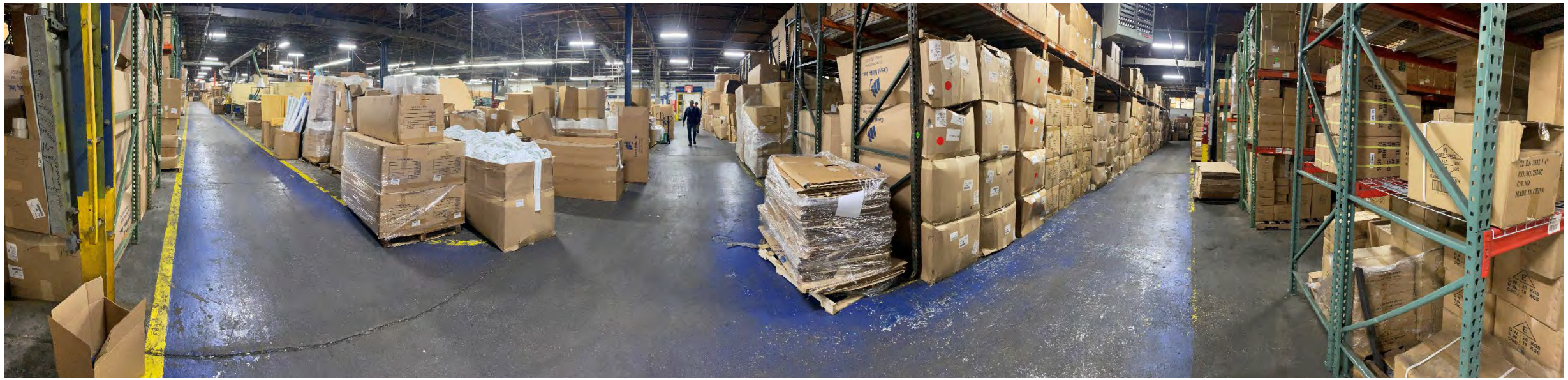
Former Jameco Facility
Site Inspection Photos: 10-28-2022

Photo 3: AOC 4. Interior portion of AOC 4 located in Warehouse area. Looking west.

Photo 4: AOC 4. Exterior portion of AOC 4. On north side of Site building. Looking west.

Former Jameco Facility
Site Inspection Photos: 10-28-2022

Photo 5A and 5B: AOC 2&5. View from southeast corner of AOC 2 and 5. Production area to north.



Annual Site Inspection
And Groundwater Sampling
Former Jameco Facility, Wyandanch, NY

Inspector 1: Sam Hess **Dates on Site: 10/18/2023**
Inspector 2: _____ **Start time: 10:46 Finish time: 11:45**

Groundwater Sampling

The 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. The Site Management Plan was further amended and officially approved by NYSDEC as of 5-8-2023 to eliminate five (5) monitoring wells from the sampling plan: MW-3, MW-10, MW-20, MW-21, and MW-23, as well as destroyed monitoring well MW-26R, and to modify IC/EC inspection frequency from semiannual to annual.

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: **10/18/2023 10:46-11:45**
Condition of surface integrity: Surface is intact, covered by pavement

Any observed apparent subsurface work in AOC? None observed
If yes, describe: _____

Any work proposed or anticipated by plant personnel? None planned
Describe _____

AOCs-2&5, Plant interior enclosed by columns P6, L6K6, L2 and Q2
Date and time of inspection: **10/18/2023 10:46-11:45**
Condition of surface integrity: Surface is intact, covered by concrete. Floor repainted in some areas.

Any observed apparent subsurface work in AOC? None observed
If yes, describe: _____

Any work proposed or anticipated by plant personnel? None planned
If yes, describe: _____

AOC-4, Area of plant including stockroom and outside lawn out to sidewalk.
Date and time of inspection: **10/18/2023 10:46-11:45**
Condition of surface integrity: Surface is intact, interior covered by concrete. Some interior areas of floor repainted. Exterior covered by dirt, gravel, and grass

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

Any work proposed or anticipated by plant personnel? None planned
Describe

AOC-3, Square parcel extending south of south property line and enclosed by chain-link fence.
Date and time of inspection: **10/18/2023 10:46-11:45**
Condition of surface integrity: Surface is intact, covered by lawn

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

Any work proposed or anticipated by plant personnel? None planned
If yes, describe:

Interviews:

Briefly discuss with knowledgeable plant personnel (**Len Zichlin**, comptroller).
Describe below: Interviewed Len Zichlin

Subsurface construction or utility work: None planned

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

Anticipated subsurface work within soil and/or groundwater beneath Site property:
None planned

Former Jameco Facility
Site Inspection Photos: 10-18-2023

Photos 1: AOC 3. View looking west from southwest corner of AOC-1.

Former Jameco Facility
Site Inspection Photos: 10-18-2023

Photo 2: AOC 1. Taken from south side of AOC 1 looking north.

Former Jameco Facility
Site Inspection Photos: 10-18-2023

Photo 3: AOC 4. Interior portion of AOC 4 located in Warehouse area. Looking west.

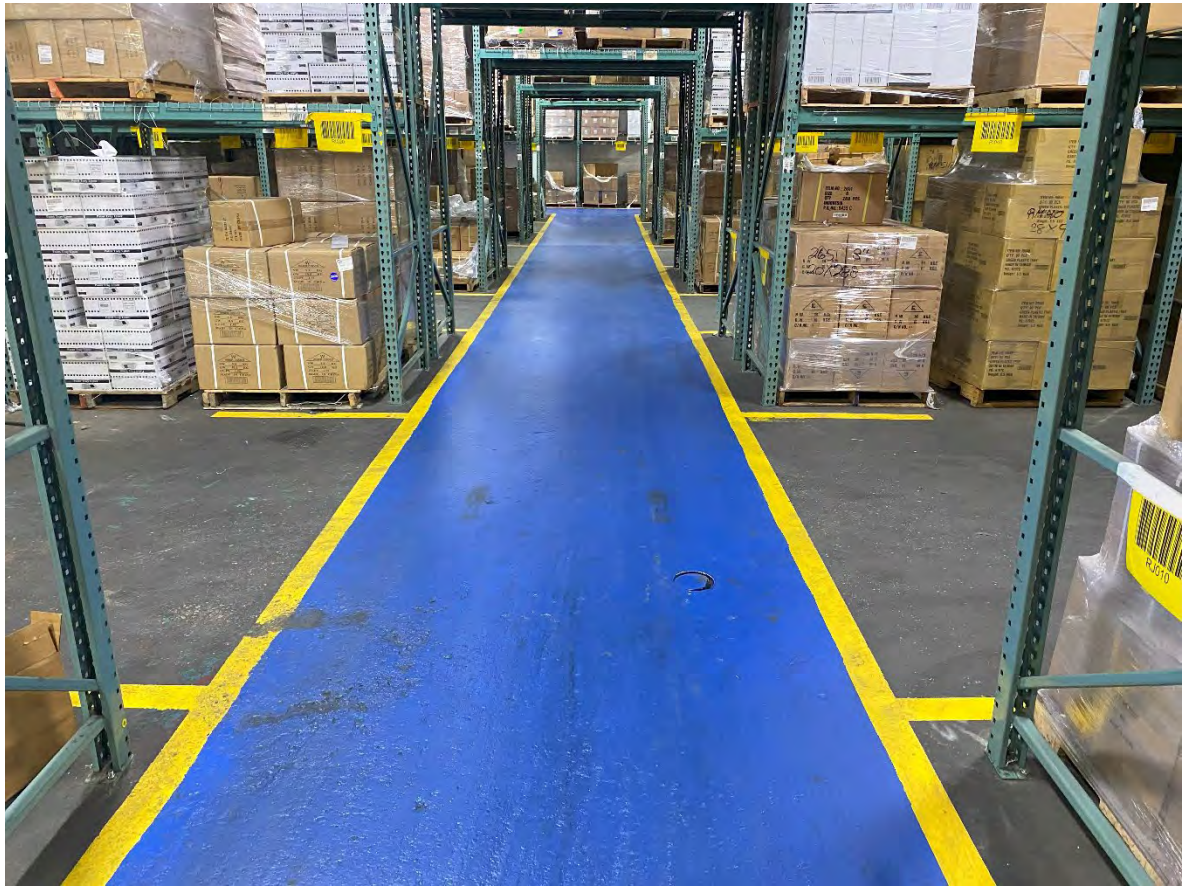
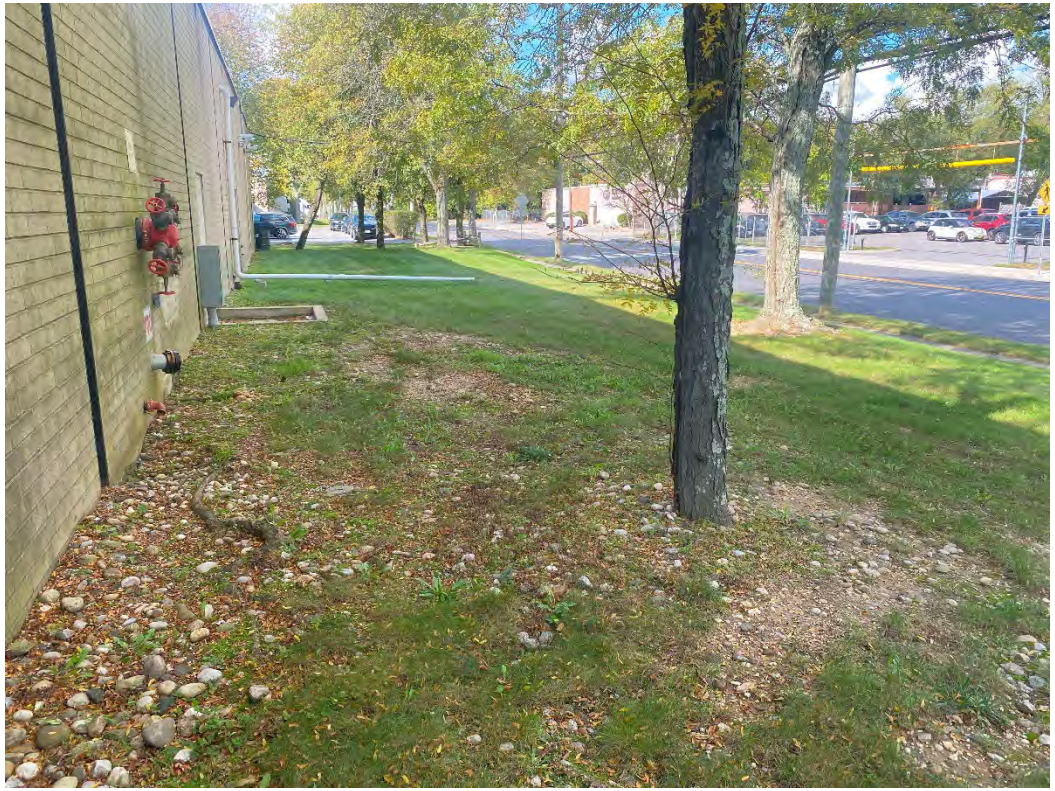
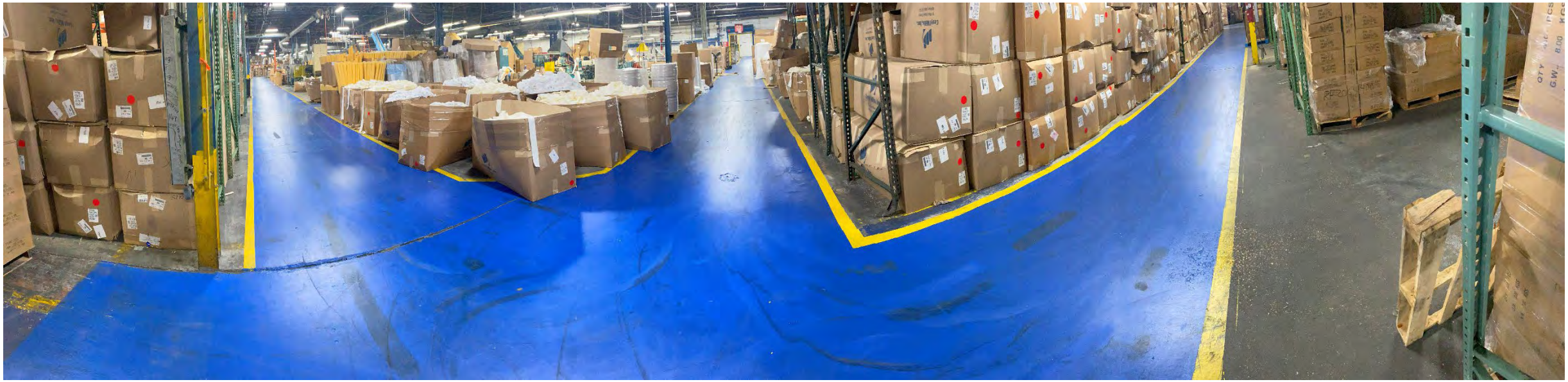


Photo 4: AOC 4. Exterior portion of AOC 4. On north side of Site building. Looking west.



Former Jameco Facility
Site Inspection Photos: 10-18-2023

Photo 5: AOC 2&5. View from southeast corner of AOC 2 and 5. Production area to north.



Monitoring Well Purge Data Evaluation
Annual GW Sampling 10-18, 10-19, 2023
Former Jameco Facilty
West Babylon, New York

EPA Low flow stabilization

DO	<0.5 mg/L or 10%
Specific Conductivity	3%
Temp	3%
pH	0.1
ORP	+-10 millivolts

MW-2 DTW = 10.90' DTB =15.7' **10/19/2023**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
11:08	18.10	283.5	4.91	6.49	127.1	10.9
11:13	17.90	285.6	1.11	6.40	112.9	10.17
11:18	18.20	284.8	0.91	6.42	107.6	6.84
11:23	18.20	281.8	1.17	6.43	105.0	9.8
11:28	18.30	284.5	0.95	6.45	101.4	9.25
11:33	18.40	284.0	0.99	6.46	103.3	9.83
	1%	0%	4%	0	2	6%

Collect Sample @11:35
For Total Nickel

No odor or sheen

MW-4R DTW = 16.35' DTB = 25.35' **10/19/2023**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
10:04	17.2	448.2	1.94	6.49	115.7	74.30
10:09	17.4	448.2	1.27	6.48	116.4	64.73
10:14	17.8	446.1	0.98	6.47	122.3	56.10
10:19	17.9	442.9	0.86	6.46	130.3	39.59
10:24	18.2	441.6	0.76	6.43	132.0	37.21
10:29	18.2	440.0	0.62	6.44	133.2	21.65
10:34	18.3	438.4	0.56	6.44	132.8	19.29
10:39	18.4	436.9	0.52	6.43	124.3	17.37
	0.5%	-0.3%	-7.7%	-0.01	-8.5	-11%

Collect Sample @10:41
For Total Nickel

No odor or sheen

MW-5RR DTW = 14.48' DTB = 24.67' **10/18/2023**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
14:52	20.2	184.9	4.93	6.33	47.8	110.11
14:57	19.6	157.3	0.94	6.21	23.8	95.84
15:02	19.4	162.6	0.76	6.21	20.8	82.20
15:07	19.3	168.6	0.67	6.22	17.4	81.96
15:12	19.4	173.7	0.60	6.21	16.7	61.39
15:17	19.5	181.0	0.54	6.22	12.5	54.13
15:22	19.6	183.7	0.50	6.22	10.4	51.93
	0.5%	1.5%	-8.0%	0	-2.1	-4.2%

Collect sample @ 15:26
For Total Nickel

No odor or sheen

MW-12 DTW =10.68' DTB =98.2' **10/19/2023**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
12:10	18.1	327.3	3.82	6.21	79.7	509.03
12:15	18.8	332.2	0.54	6.05	88.6	265.28
12:20	18.8	330.0	0.42	6.06	87.8	82.12
12:25	18.9	335.1	0.39	6.07	83.8	40.45
12:30	18.9	341.7	0.35	6.05	83.7	32.09
	0.0%	2%	-11%	0.0	-0.1	-26%

Collect Sample @ 12:32
Collect Dup Sample @ 12:36
Collect MS Sample @ 12:40
For dissvolved Copper, Chromium and Nickel

No odor or sheen

MW-19 DTW = 10.64' DTB = 18.3' **10/19/2023**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
13:03	20.7	561.0	4.28	6.58	145	15.65
13:08	29.0	413.7	0.49	6.30	151	10.11
13:13	18.7	408.7	0.38	6.26	152	6.27
13:18	18.8	401.4	0.32	6.21	155	6.00
13:23	18.7	391.2	0.28	6.17	159	5.19
13:28	18.8	413.1	0.29	6.21	160	7.75
	0.5%	5.3%	3.4%	0.0	1.2	33.0%

Collect Sample @13:29
Collect Dup Sample @ 13:33
Collect MS Sample @ 13:36
For SVOCs (8270C)

No sheen or odor detected

ATTACHMENT 3:

Monitoring Well Construction Logs

Goldman Environmental Consultants, Inc.
100 Grandview Road, Suite 102
Braintree, MA

Project: 1744-2140
248 Wyandanch Avenue, West Babylon, NY

Boring Log ID: MW-3R

Date of Work: 07/26/2023 **Sheet:** 1 **of** 1

Weather: 69°F, mostly clear, humid, partly cloudy, calm

Boring Location: On southern portion of Site, on southern side of former leaching pool area.

Boring Contractor: Eastern Environmental Solutions, Inc.

Foreman: Nick Turro

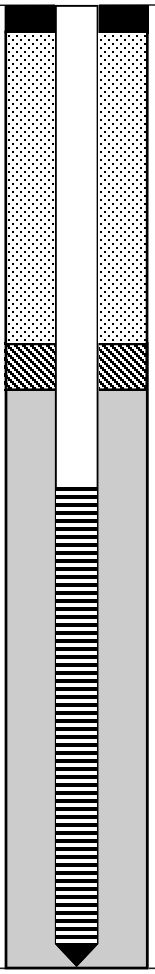
GEC Engineer: Sam Hess

Drilling Method: Geoprobe 6600 (track-mounted)

Sampling: No samples taken

Screening Equipment: N/A

KEY: : Native Soil Above Betonite Cement Seal: Bentonite Seal: Sand Pack: Slotted

Depth	SAMPLE No.	SAMPLE Pen./Rec.	SAMPLE Depth	Strata Change	Sample Screening	SAMPLE DESCRIPTION	ADDITIONAL NOTES	WELL CONSTRUCTION
	N/A	N/A	N/A	**SAND**	N/A	**0-20'** Grassy surface, dark brown, mostly dry, very fine **SAND**, tightly packed, little gravel, little organics, little clay, no urban fill material. No unusual odor, staining, free liquid, debris, or NAPL observed.	No sample collected for laboratory analysis.	
5'								
10'								
15'								
20'								

MW-3R completed as a 2" monitoring well to approximately 20' BSG with 10' of screen and 10' of riser. Completed with a steel-encased PVC riser to approximately 4 feet above surface grade. Designated MW-3R.

Goldman Environmental Consultants, Inc.
100 Grandview Road, Suite 102
Braintree, MA

Project: 1744-2140
248 Wyandanch Avenue, West Babylon, NY

Boring Log ID: MW-4R

Date of Work: 07/26/2023 **Sheet:** 1 **of** 1

Weather: 69°F, mostly clear, humid, partly cloudy, calm

Boring Location: On southern portion of Site, on eastern side of former leaching pool area.

Boring Contractor: Eastern Environmental Solutions, Inc.

Foreman: Nick Turro

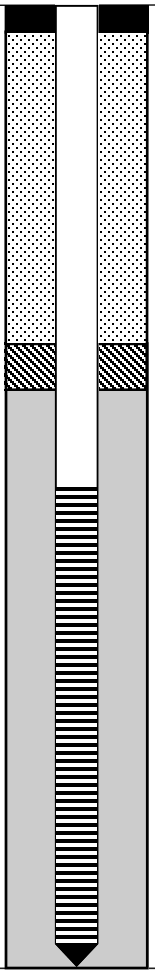
GEC Engineer: Sam Hess

Drilling Method: Geoprobe 6600 (track-mounted)

Sampling: No samples taken

Screening Equipment: N/A

KEY: : Native Soil Above Betonite Cement Seal: Bentonite Seal: Sand Pack: Slotted

Depth	SAMPLE No.	SAMPLE Pen./Rec.	SAMPLE Depth	Strata Change	Sample Screening	SAMPLE DESCRIPTION	ADDITIONAL NOTES	WELL CONSTRUCTION
	N/A	N/A	N/A	**SAND**	N/A	**0-20'** Wooded/mulch surface, dark brown, mostly dry, very fine **SAND**, tightly packed, little gravel, little organics, little clay, no urban fill material. No unusual odor, staining, free liquid, debris, or NAPL observed.	No sample collected for laboratory analysis.	
5'								
10'								
15'								
20'								

MW-4R completed as a 2" monitoring well to approximately 20' BSG with 10' of screen and 10' of riser. Completed with a steel-encased PVC riser to approximately 4 feet above surface grade. Designated MW-4R.

Goldman Environmental Consultants, Inc.
100 Grandview Road, Suite 102
Braintree, MA

Project: 1744-2140
248 Wyandanch Avenue, West Babylon, NY

Boring Log ID: MW-5RR

Date of Work: 07/26/2023 **Sheet:** 1 **of** 1

Weather: 69°F, mostly clear, humid, partly cloudy, calm

Boring Location: On southeast portion of Site, in landscaped area, southeast of former seepage lagoon area.

Boring Contractor: Eastern Environmental Solutions, Inc.

Foreman: Nick Turro

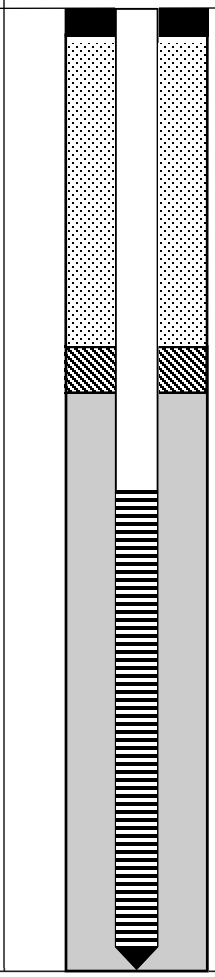
GEC Engineer: Sam Hess

Drilling Method: Geoprobe 6600 (track-mounted)

Sampling: No samples taken

Screening Equipment: N/A

KEY: : Native Soil Above Betonite Cement Seal: Bentonite Seal: Sand Pack: Slotted

Depth	SAMPLE No.	SAMPLE Pen./Rec.	SAMPLE Depth	Strata Change	Sample Screening	SAMPLE DESCRIPTION	ADDITIONAL NOTES	WELL CONSTRUCTION
	N/A	N/A	N/A	**SAND**	N/A	**0-20'** Wooded/mulch surface, dark brown, mostly dry, very fine **SAND**, tightly packed, little gravel, little organics, little clay, no urban fill material. No unusual odor, staining, free liquid, debris, or NAPL observed.	No sample collected for laboratory analysis.	
5'								
10'								
15'								
20'								

MW-5RR completed as a 2" monitoring well to approximately 20' BSG with 10' of screen and 10' of riser. Completed with a steel-encased PVC riser to approximately 4 feet above surface grade. Designated MW-5RR.

ATTACHMENT 4:

Laboratory Certificate of Analysis

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 31, 2023

Cassidy Way
Goldman Environmental
100 Grandview Road, Suite 102
Braintree, MA 02184

Project Location: 248 Wyandanch Ave, West Babylon, NY
Client Job Number:
Project Number: 1744-2140
Laboratory Work Order Number: 23J2972

Enclosed are results of analyses for samples as received by the laboratory on October 20, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

Sample Summary 3

Case Narrative 4

Sample Results 9

23J2972-01 9

23J2972-02 10

23J2972-03 11

23J2972-04 12

23J2972-05 13

23J2972-06 14

23J2972-07 16

Sample Preparation Information 18

QC Data 19

Semivolatile Organic Compounds by GC/MS 19

B356142 19

Metals Analyses (Dissolved) 27

B356102 27

Flag/Qualifier Summary 28

Certifications 29

Chain of Custody/Sample Receipt 31

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Goldman Environmental
100 Grandview Road, Suite 102
Braintree, MA 02184
ATTN: Cassidy Way

REPORT DATE: 10/31/2023

PURCHASE ORDER NUMBER: 1744-7090

PROJECT NUMBER: 1744-2140

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23J2972

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 248 Wyandanch Ave, West Babylon, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-2	23J2972-01	Ground Water		SW-846 6010D	
MW-4R	23J2972-02	Ground Water		SW-846 6010D	
MW-5RR	23J2972-03	Ground Water		SW-846 6010D	
MW-12	23J2972-04	Ground Water		SW-846 6010D	
MW-12 DUP	23J2972-05	Ground Water		SW-846 6010D	
MW-19	23J2972-06	Ground Water		SW-846 8270E	
MW-19 DUP	23J2972-07	Ground Water		SW-846 8270E	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

1,3-Dichlorobenzene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

1,4-Dichlorobenzene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

1-Methylnaphthalene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

2-Methylnaphthalene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

Benzidine
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

Hexachlorobutadiene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

Hexachlorocyclopentadiene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

Hexachloroethane
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

Naphthalene
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

N-Nitrosodimethylamine
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aniline
B356142-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2-Chloronaphthalene
B356142-BS1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

1,2-Dichlorobenzene
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

1,3-Dichlorobenzene
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

1,4-Dichlorobenzene
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

Benzoic Acid
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

Hexachlorobutadiene
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

Hexachloroethane
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

N-Nitrosodimethylamine
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

Pyridine
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

4-Nitrophenol
B356142-MSD1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B356142-MSD1

Benzidine
B356142-MS1

Hexachlorocyclopentadiene
B356142-MS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2,4,5-Tetrachlorobenzene
B356142-BS1, B356142-BSD1

1,2,4-Trichlorobenzene
B356142-BS1, B356142-BSD1

1-Methylnaphthalene
B356142-BS1, B356142-BSD1

2-Chloronaphthalene
B356142-BSD1

2-Methylnaphthalene
B356142-BS1, B356142-BSD1

Benzidine
B356142-BS1, B356142-BSD1

Naphthalene
B356142-BS1, B356142-BSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B356142-MS1

4,6-Dinitro-2-methylphenol
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

Benzidine
23J2972-06[MW-19], B356142-MSD1

Hexachlorobutadiene
23J2972-06[MW-19], B356142-MS1, B356142-MSD1

Hexachlorocyclopentadiene
23J2972-06[MW-19], B356142-MSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1, B356142-MS1, B356142-MSD1, S095469-CCV1, S095522-CCV1

Benzidine
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-MS1, B356142-MSD1, S095469-CCV1

Benzoic Acid
B356142-BLK1, B356142-BS1, B356142-BSD1, S095522-CCV1

Di-n-octylphthalate
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1, B356142-MS1, B356142-MSD1, S095469-CCV1, S095522-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
S095469-CCV1

4-Nitrophenol
B356142-BLK1, B356142-BS1, B356142-BSD1, S095522-CCV1

Aniline
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1, B356142-MS1, B356142-MSD1, S095469-CCV1, S095522-CCV1

Benzidine
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1, B356142-MS1, B356142-MSD1, S095469-CCV1, S095522-CCV1

Benzoic Acid
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-BLK1, B356142-BS1, B356142-BSD1, B356142-MS1, B356142-MSD1, S095469-CCV1, S095522-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline
23J2972-06[MW-19], 23J2972-07[MW-19 DUP], B356142-MS1, B356142-MSD1, S095469-CCV1

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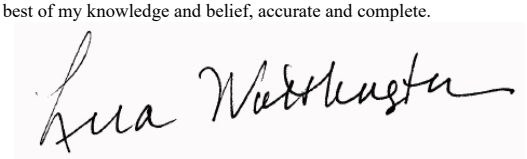
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-2 Sampled: 10/19/2023 11:35

Sample ID: 23J2972-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	0.23	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:27	ATP

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-4R Sampled: 10/19/2023 10:41

Sample ID: 23J2972-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	0.49	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:34	ATP

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-5RR Sampled: 10/19/2023 15:26

Sample ID: 23J2972-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	0.035	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:41	ATP

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-12

Sample ID: 23J2972-04 Start Date/Time: 10/19/2023 12:32:00PM

Sample Matrix: Ground Water Stop Date/Time: 10/19/2023 12:40:00PM

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	0.010	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:20	ATP
Copper	0.13	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:20	ATP
Nickel	0.54	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:20	ATP

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-12 DUP Sampled: 10/19/2023 12:36

Sample ID: 23J2972-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:46	ATP
Copper	0.096	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:46	ATP
Nickel	0.59	0.010	mg/L	1		SW-846 6010D	10/24/23	10/25/23 20:46	ATP

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-19

Sample ID: 23J2972-06 Start Date/Time: 10/19/2023 1:29:00PM

Sample Matrix: Ground Water Stop Date/Time: 10/19/2023 1:36:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Acenaphthylene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Acetophenone	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Aniline	ND	18	µg/L	1	V-05, V-34	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Benzidine	ND	18	µg/L	1	L-04, R-06, V-04, V-05	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Benzo(a)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Benzo(a)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Benzo(b)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Benzo(g,h,i)perylene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Benzo(k)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Benzoic Acid	ND	18	µg/L	1	MS-09, V-05	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Bis(2-chloroethoxy)methane	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Bis(2-chloroethyl)ether	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Bis(2-chloroisopropyl)ether	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
4-Bromophenylphenylether	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Butylbenzylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Carbazole	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
4-Chloroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
4-Chloro-3-methylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2-Chloronaphthalene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2-Chlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
4-Chlorophenylphenylether	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Chrysene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Dibenz(a,h)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Dibenzofuran	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Di-n-butylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
1,2-Dichlorobenzene	ND	4.5	µg/L	1	L-04, MS-09	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
1,3-Dichlorobenzene	ND	4.5	µg/L	1	L-04, MS-09	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
1,4-Dichlorobenzene	ND	4.5	µg/L	1	L-04, MS-09	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
3,3-Dichlorobenzidine	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2,4-Dichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Diethylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2,4-Dimethylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Dimethylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
4,6-Dinitro-2-methylphenol	ND	18	µg/L	1	R-06	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2,4-Dinitrophenol	ND	8.9	µg/L	1	V-04	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2,4-Dinitrotoluene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2,6-Dinitrotoluene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Di-n-octylphthalate	ND	8.9	µg/L	1	V-04	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-19

Sample ID: 23J2972-06 Start Date/Time: 10/19/2023 1:29:00PM

Sample Matrix: Ground Water Stop Date/Time: 10/19/2023 1:36:00PM

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Hexachlorobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Hexachlorobutadiene	ND	8.9	µg/L	1	L-04, MS-09, R-06	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Hexachlorocyclopentadiene	ND	8.9	µg/L	1	L-04, R-06	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Hexachloroethane	ND	8.9	µg/L	1	L-04, MS-09	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Isophorone	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
1-Methylnaphthalene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2-Methylnaphthalene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2-Methylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
3/4-Methylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Naphthalene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
3-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
4-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Nitrobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2-Nitrophenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
4-Nitrophenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
N-Nitrosodimethylamine	ND	8.9	µg/L	1	L-04, MS-09	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
N-Nitrosodi-n-propylamine	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Pentachloronitrobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Pentachlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Phenanthrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Phenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
Pyridine	ND	18	µg/L	1	MS-09	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
1,2,4-Trichlorobenzene	ND	4.5	µg/L	1	MS-09	SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2,4,5-Trichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL
2,4,6-Trichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/24/23	10/26/23 18:49	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.6	15-110		10/26/23 18:49
Phenol-d6	25.0	15-110		10/26/23 18:49
Nitrobenzene-d5	54.7	30-130		10/26/23 18:49
2-Fluorobiphenyl	55.2	30-130		10/26/23 18:49
2,4,6-Tribromophenol	66.4	15-110		10/26/23 18:49
p-Terphenyl-d14	85.8	30-130		10/26/23 18:49

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-19 DUP Sampled: 10/19/2023 13:33

Sample ID: 23J2972-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Acenaphthylene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Acetophenone	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Aniline	ND	18	µg/L	1	V-05, V-34	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Benzidine	ND	18	µg/L	1	L-04, V-04, V-05	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Benzo(a)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Benzo(a)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Benzo(b)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Benzo(g,h,i)perylene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Benzo(k)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Benzoic Acid	ND	18	µg/L	1	V-05	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Bis(2-chloroethoxy)methane	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Bis(2-chloroethyl)ether	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Bis(2-chloroisopropyl)ether	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
4-Bromophenylphenylether	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Butylbenzylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Carbazole	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
4-Chloroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
4-Chloro-3-methylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2-Chloronaphthalene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2-Chlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
4-Chlorophenylphenylether	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Chrysene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Dibenz(a,h)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Dibenzofuran	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Di-n-butylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
1,2-Dichlorobenzene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
1,3-Dichlorobenzene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
1,4-Dichlorobenzene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
3,3-Dichlorobenzidine	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2,4-Dichlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Diethylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2,4-Dimethylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Dimethylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
4,6-Dinitro-2-methylphenol	ND	18	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2,4-Dinitrophenol	ND	9.0	µg/L	1	V-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2,4-Dinitrotoluene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2,6-Dinitrotoluene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Di-n-octylphthalate	ND	9.0	µg/L	1	V-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Fluorene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL

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Project Location: 248 Wyandanch Ave, West Babylo Sample Description: Work Order: 23J2972

Date Received: 10/20/2023

Field Sample #: MW-19 DUP Sampled: 10/19/2023 13:33

Sample ID: 23J2972-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Hexachlorobutadiene	ND	9.0	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Hexachlorocyclopentadiene	ND	9.0	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Hexachloroethane	ND	9.0	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Isophorone	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
1-Methylnaphthalene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2-Methylnaphthalene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2-Methylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
3/4-Methylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Naphthalene	ND	4.5	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2-Nitroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
3-Nitroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
4-Nitroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Nitrobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2-Nitrophenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
4-Nitrophenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
N-Nitrosodimethylamine	ND	9.0	µg/L	1	L-04	SW-846 8270E	10/24/23	10/26/23 19:10	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
N-Nitrosodi-n-propylamine	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Pentachloronitrobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Pentachlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Phenanthrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Phenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
Pyridine	ND	18	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
1,2,4-Trichlorobenzene	ND	4.5	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2,4,5-Trichlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL
2,4,6-Trichlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/24/23	10/26/23 19:10	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	32.9	15-110		10/26/23 19:10
Phenol-d6	23.0	15-110		10/26/23 19:10
Nitrobenzene-d5	49.0	30-130		10/26/23 19:10
2-Fluorobiphenyl	46.8	30-130		10/26/23 19:10
2,4,6-Tribromophenol	60.6	15-110		10/26/23 19:10
p-Terphenyl-d14	78.3	30-130		10/26/23 19:10

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Sample Extraction Data

Prep Method:SW-846 3005A Dissolved **Analytical Method:SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J2972-01 [MW-2]	B356102	50.0	50.0	10/24/23
23J2972-02 [MW-4R]	B356102	50.0	50.0	10/24/23
23J2972-03 [MW-5RR]	B356102	50.0	50.0	10/24/23
23J2972-04 [MW-12]	B356102	50.0	50.0	10/24/23
23J2972-05 [MW-12 DUP]	B356102	50.0	50.0	10/24/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J2972-06 [MW-19]	B356142	112	1.00	10/24/23
23J2972-07 [MW-19 DUP]	B356142	111	1.00	10/24/23

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B356142 - SW-846 3510C										
Blank (B356142-BLK1)				Prepared: 10/24/23 Analyzed: 10/27/23						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	20	µg/L							V-05
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							L-04, V-05
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	20	µg/L							V-04, V-05
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							L-04
1,3-Dichlorobenzene	ND	5.0	µg/L							L-04
1,4-Dichlorobenzene	ND	5.0	µg/L							L-04
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	20	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							V-04
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							L-04
Hexachlorocyclopentadiene	ND	10	µg/L							L-04
Hexachloroethane	ND	10	µg/L							L-04
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							L-04
2-Methylnaphthalene	ND	5.0	µg/L							L-04

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B356142 - SW-846 3510C											
Blank (B356142-BLK1)				Prepared: 10/24/23 Analyzed: 10/27/23							
2-Methylphenol	ND	10	µg/L								
3/4-Methylphenol	ND	10	µg/L								
Naphthalene	ND	5.0	µg/L								L-04
2-Nitroaniline	ND	10	µg/L								
3-Nitroaniline	ND	10	µg/L								
4-Nitroaniline	ND	10	µg/L								
Nitrobenzene	ND	10	µg/L								
2-Nitrophenol	ND	10	µg/L								
4-Nitrophenol	ND	10	µg/L								V-05
N-Nitrosodimethylamine	ND	10	µg/L								L-04
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	20	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*147*		µg/L	400		36.8		15-110			
Surrogate: Phenol-d6	*106*		µg/L	400		26.4		15-110			
Surrogate: Nitrobenzene-d5	*105*		µg/L	200		52.6		30-130			
Surrogate: 2-Fluorobiphenyl	*73.2*		µg/L	200		36.6		30-130			
Surrogate: 2,4,6-Tribromophenol	*233*		µg/L	400		58.3		15-110			
Surrogate: p-Terphenyl-d14	*138*		µg/L	200		69.1		30-130			
LCS (B356142-BS1)				Prepared: 10/24/23 Analyzed: 10/27/23							
Acenaphthene	43.4	5.0	µg/L	100		43.4		40-140			
Acenaphthylene	46.9	5.0	µg/L	100		46.9		40-140			
Acetophenone	54.0	10	µg/L	100		54.0		40-140			
Aniline	35.9	20	µg/L	100		**35.9**	*	40-140			L-07, V-05
Anthracene	59.1	5.0	µg/L	100		59.1		40-140			
Benzidine	16.5	20	µg/L	100		**16.5**	*	40-140			L-04, R-05, V-05
Benzo(a)anthracene	59.1	5.0	µg/L	100		59.1		40-140			
Benzo(a)pyrene	59.4	5.0	µg/L	100		59.4		40-140			
Benzo(b)fluoranthene	61.0	5.0	µg/L	100		61.0		40-140			
Benzo(g,h,i)perylene	57.1	5.0	µg/L	100		57.1		40-140			
Benzo(k)fluoranthene	64.4	5.0	µg/L	100		64.4		40-140			
Benzoic Acid	9.82	20	µg/L	90.0		10.9		10-130			V-04, V-05 †
Bis(2-chloroethoxy)methane	59.0	10	µg/L	100		59.0		40-140			
Bis(2-chloroethyl)ether	56.8	10	µg/L	100		56.8		40-140			
Bis(2-chloroisopropyl)ether	58.4	10	µg/L	100		58.4		40-140			
Bis(2-Ethylhexyl)phthalate	61.1	10	µg/L	100		61.1		40-140			
4-Bromophenylphenylether	59.1	10	µg/L	100		59.1		40-140			
Butylbenzylphthalate	67.6	10	µg/L	100		67.6		40-140			
Carbazole	57.4	10	µg/L	100		57.4		40-140			
4-Chloroaniline	56.2	10	µg/L	100		56.2		40-140			
4-Chloro-3-methylphenol	60.6	10	µg/L	100		60.6		30-130			
2-Chloronaphthalene	30.7	10	µg/L	100		**30.7**	*	40-140			L-07A

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B356142 - SW-846 3510C												
LCS (B356142-BS1)				Prepared: 10/24/23 Analyzed: 10/27/23								
2-Chlorophenol	53.6	10	µg/L	100		53.6		30-130				
4-Chlorophenylphenylether	50.7	10	µg/L	100		50.7		40-140				
Chrysene	57.5	5.0	µg/L	100		57.5		40-140				
Dibenz(a,h)anthracene	55.6	5.0	µg/L	100		55.6		40-140				
Dibenzofuran	47.6	5.0	µg/L	100		47.6		40-140				
Di-n-butylphthalate	59.5	10	µg/L	100		59.5		40-140				
1,2-Dichlorobenzene	21.3	5.0	µg/L	100		**21.3**	*	40-140			L-04	
1,3-Dichlorobenzene	18.6	5.0	µg/L	100		**18.6**	*	40-140			L-04	
1,4-Dichlorobenzene	19.4	5.0	µg/L	100		**19.4**	*	40-140			L-04	
3,3-Dichlorobenzidine	71.0	10	µg/L	100		71.0		40-140				
2,4-Dichlorophenol	60.3	10	µg/L	100		60.3		30-130				
Diethylphthalate	59.1	10	µg/L	100		59.1		40-140				
2,4-Dimethylphenol	51.6	10	µg/L	100		51.6		30-130				
Dimethylphthalate	60.3	10	µg/L	100		60.3		40-140				
4,6-Dinitro-2-methylphenol	57.7	20	µg/L	100		57.7		30-130				
2,4-Dinitrophenol	41.2	10	µg/L	100		41.2		30-130			V-04	
2,4-Dinitrotoluene	58.8	10	µg/L	100		58.8		40-140				
2,6-Dinitrotoluene	62.2	10	µg/L	100		62.2		40-140				
Di-n-octylphthalate	64.0	10	µg/L	100		64.0		40-140			V-04	
1,2-Diphenylhydrazine/Azobenzene	61.2	10	µg/L	100		61.2		40-140				
Fluoranthene	53.6	5.0	µg/L	100		53.6		40-140				
Fluorene	50.2	5.0	µg/L	100		50.2		40-140				
Hexachlorobenzene	58.8	10	µg/L	100		58.8		40-140				
Hexachlorobutadiene	14.0	10	µg/L	100		**14.0**	*	40-140			L-04	
Hexachlorocyclopentadiene	15.0	10	µg/L	100		**15.0**	*	30-140			L-04	†
Hexachloroethane	15.2	10	µg/L	100		**15.2**	*	40-140			L-04	
Indeno(1,2,3-cd)pyrene	57.6	5.0	µg/L	100		57.6		40-140				
Isophorone	58.3	10	µg/L	100		58.3		40-140				
1-Methylnaphthalene	30.6	5.0	µg/L	100		**30.6**	*	40-140			L-04, R-05	
2-Methylnaphthalene	28.8	5.0	µg/L	100		**28.8**	*	40-140			L-04, R-05	
2-Methylphenol	52.7	10	µg/L	100		52.7		30-130				
3/4-Methylphenol	51.7	10	µg/L	100		51.7		30-130				
Naphthalene	27.3	5.0	µg/L	100		**27.3**	*	40-140			L-04, R-05	
2-Nitroaniline	58.5	10	µg/L	100		58.5		40-140				
3-Nitroaniline	60.3	10	µg/L	100		60.3		40-140				
4-Nitroaniline	51.8	10	µg/L	100		51.8		40-140				
Nitrobenzene	50.0	10	µg/L	100		50.0		40-140				
2-Nitrophenol	51.5	10	µg/L	100		51.5		30-130				
4-Nitrophenol	28.7	10	µg/L	100		28.7		10-130			V-05	†
N-Nitrosodimethylamine	34.2	10	µg/L	100		**34.2**	*	40-140			L-04	
N-Nitrosodiphenylamine/Diphenylamine	72.7	10	µg/L	100		72.7		40-140				
N-Nitrosodi-n-propylamine	57.1	10	µg/L	100		57.1		40-140				
Pentachloronitrobenzene	61.3	10	µg/L	100		61.3		40-140				
Pentachlorophenol	55.6	10	µg/L	100		55.6		30-130				
Phenanthrene	57.7	5.0	µg/L	100		57.7		40-140				
Phenol	29.1	10	µg/L	100		29.1		20-130				†
Pyrene	68.4	5.0	µg/L	100		68.4		40-140				
Pyridine	14.1	20	µg/L	100		14.1		10-140				†
1,2,4,5-Tetrachlorobenzene	26.8	10	µg/L	100		**26.8**	*	40-140			R-05	
1,2,4-Trichlorobenzene	19.9	5.0	µg/L	100		**19.9**	*	40-140			R-05	
2,4,5-Trichlorophenol	60.1	10	µg/L	100		60.1		30-130				
2,4,6-Trichlorophenol	59.8	10	µg/L	100		59.8		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B356142 - SW-846 3510C													
LCS (B356142-BS1)				Prepared: 10/24/23 Analyzed: 10/27/23									
Surrogate: 2-Fluorophenol	*172*		µg/L	400		43.1		15-110					
Surrogate: Phenol-d6	*129*		µg/L	400		32.2		15-110					
Surrogate: Nitrobenzene-d5	*120*		µg/L	200		60.2		30-130					
Surrogate: 2-Fluorobiphenyl	*111*		µg/L	200		55.4		30-130					
Surrogate: 2,4,6-Tribromophenol	*258*		µg/L	400		64.4		15-110					
Surrogate: p-Terphenyl-d14	*160*		µg/L	200		80.0		30-130					
LCS Dup (B356142-BSD1)				Prepared: 10/24/23 Analyzed: 10/27/23									
Acenaphthene	52.6	5.0	µg/L	100		52.6		40-140	19.3		20		
Acenaphthylene	56.8	5.0	µg/L	100		56.8		40-140	19.0		20		
Acetophenone	61.6	10	µg/L	100		61.6		40-140	13.2		20		
Aniline	41.2	20	µg/L	100		41.2		40-140	13.6		50	V-05	‡
Anthracene	65.8	5.0	µg/L	100		65.8		40-140	10.8		20		
Benzidine	20.6	20	µg/L	100		**20.6**	*	40-140	**22.1**	*	20	L-04, R-05, V-05	
Benzo(a)anthracene	65.3	5.0	µg/L	100		65.3		40-140	10.1		20		
Benzo(a)pyrene	66.2	5.0	µg/L	100		66.2		40-140	10.7		20		
Benzo(b)fluoranthene	67.2	5.0	µg/L	100		67.2		40-140	9.74		20		
Benzo(g,h,i)perylene	63.4	5.0	µg/L	100		63.4		40-140	10.5		20		
Benzo(k)fluoranthene	71.8	5.0	µg/L	100		71.8		40-140	10.7		20		
Benzoic Acid	9.02	20	µg/L	90.0		10.0		10-130	8.49		50	V-04, V-05	† ‡
Bis(2-chloroethoxy)methane	66.9	10	µg/L	100		66.9		40-140	12.6		20		
Bis(2-chloroethyl)ether	63.7	10	µg/L	100		63.7		40-140	11.4		20		
Bis(2-chloroisopropyl)ether	68.7	10	µg/L	100		68.7		40-140	16.2		20		
Bis(2-Ethylhexyl)phthalate	67.5	10	µg/L	100		67.5		40-140	9.98		20		
4-Bromophenylphenylether	67.0	10	µg/L	100		67.0		40-140	12.6		20		
Butylbenzylphthalate	75.0	10	µg/L	100		75.0		40-140	10.3		20		
Carbazole	64.4	10	µg/L	100		64.4		40-140	11.5		20		
4-Chloroaniline	62.1	10	µg/L	100		62.1		40-140	9.93		20		
4-Chloro-3-methylphenol	65.2	10	µg/L	100		65.2		30-130	7.29		20		
2-Chloronaphthalene	40.0	10	µg/L	100		40.0		40-140	**26.3**	*	20	R-05	
2-Chlorophenol	60.7	10	µg/L	100		60.7		30-130	12.5		20		
4-Chlorophenylphenylether	59.3	10	µg/L	100		59.3		40-140	15.6		20		
Chrysene	63.5	5.0	µg/L	100		63.5		40-140	9.94		20		
Dibenz(a,h)anthracene	63.6	5.0	µg/L	100		63.6		40-140	13.5		20		
Dibenzofuran	56.8	5.0	µg/L	100		56.8		40-140	17.6		20		
Di-n-butylphthalate	66.3	10	µg/L	100		66.3		40-140	10.8		20		
1,2-Dichlorobenzene	24.8	5.0	µg/L	100		**24.8**	*	40-140	15.3		20	L-04	
1,3-Dichlorobenzene	22.4	5.0	µg/L	100		**22.4**	*	40-140	18.7		20	L-04	
1,4-Dichlorobenzene	22.8	5.0	µg/L	100		**22.8**	*	40-140	16.5		20	L-04	
3,3-Dichlorobenzidine	79.3	10	µg/L	100		79.3		40-140	11.1		20		
2,4-Dichlorophenol	64.8	10	µg/L	100		64.8		30-130	7.26		20		
Diethylphthalate	64.3	10	µg/L	100		64.3		40-140	8.44		20		
2,4-Dimethylphenol	56.2	10	µg/L	100		56.2		30-130	8.52		20		
Dimethylphthalate	64.5	10	µg/L	100		64.5		40-140	6.79		50		‡
4,6-Dinitro-2-methylphenol	63.2	20	µg/L	100		63.2		30-130	9.08		50		‡
2,4-Dinitrophenol	40.6	10	µg/L	100		40.6		30-130	1.59		50	V-04	‡
2,4-Dinitrotoluene	64.3	10	µg/L	100		64.3		40-140	8.86		20		
2,6-Dinitrotoluene	67.8	10	µg/L	100		67.8		40-140	8.75		20		
Di-n-octylphthalate	70.1	10	µg/L	100		70.1		40-140	9.11		20	V-04	
1,2-Diphenylhydrazine/Azobenzene	70.1	10	µg/L	100		70.1		40-140	13.6		20		
Fluoranthene	60.0	5.0	µg/L	100		60.0		40-140	11.2		20		
Fluorene	57.8	5.0	µg/L	100		57.8		40-140	14.1		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B356142 - SW-846 3510C													
LCS Dup (B356142-BSD1)				Prepared: 10/24/23 Analyzed: 10/27/23									
Hexachlorobenzene	66.4	10	µg/L	100		66.4		40-140	12.2		20		
Hexachlorobutadiene	16.6	10	µg/L	100		**16.6**	*	40-140	16.7		20	L-04	
Hexachlorocyclopentadiene	19.3	10	µg/L	100		**19.3**	*	30-140	25.4		50	L-04	† ‡
Hexachloroethane	17.3	10	µg/L	100		**17.3**	*	40-140	13.3		50	L-04	‡
Indeno(1,2,3-cd)pyrene	65.1	5.0	µg/L	100		65.1		40-140	12.3		50		‡
Isophorone	66.6	10	µg/L	100		66.6		40-140	13.4		20		
1-Methylnaphthalene	39.9	5.0	µg/L	100		**39.9**	*	40-140	**26.4**	*	20	L-04, R-05	
2-Methylnaphthalene	39.5	5.0	µg/L	100		**39.5**	*	40-140	**31.3**	*	20	L-04, R-05	
2-Methylphenol	58.4	10	µg/L	100		58.4		30-130	10.2		20		
3/4-Methylphenol	57.8	10	µg/L	100		57.8		30-130	11.1		20		
Naphthalene	36.9	5.0	µg/L	100		**36.9**	*	40-140	**29.7**	*	20	L-04, R-05	
2-Nitroaniline	63.2	10	µg/L	100		63.2		40-140	7.61		20		
3-Nitroaniline	64.5	10	µg/L	100		64.5		40-140	6.83		20		
4-Nitroaniline	57.5	10	µg/L	100		57.5		40-140	10.3		20		
Nitrobenzene	58.4	10	µg/L	100		58.4		40-140	15.4		20		
2-Nitrophenol	60.6	10	µg/L	100		60.6		30-130	16.2		20		
4-Nitrophenol	33.2	10	µg/L	100		33.2		10-130	14.8		50	V-05	† ‡
N-Nitrosodimethylamine	38.8	10	µg/L	100		**38.8**	*	40-140	12.4		20	L-04	
N-Nitrosodiphenylamine/Diphenylamine	81.3	10	µg/L	100		81.3		40-140	11.1		20		
N-Nitrosodi-n-propylamine	64.6	10	µg/L	100		64.6		40-140	12.3		20		
Pentachloronitrobenzene	66.5	10	µg/L	100		66.5		40-140	8.22		20		
Pentachlorophenol	61.8	10	µg/L	100		61.8		30-130	10.6		50		‡
Phenanthrene	64.6	5.0	µg/L	100		64.6		40-140	11.3		20		
Phenol	33.0	10	µg/L	100		33.0		20-130	12.7		20		†
Pyrene	75.6	5.0	µg/L	100		75.6		40-140	10.1		20		
Pyridine	16.4	20	µg/L	100		16.4		10-140	14.9		50		† ‡
1,2,4,5-Tetrachlorobenzene	37.7	10	µg/L	100		**37.7**	*	40-140	**33.8**	*	20	R-05	
1,2,4-Trichlorobenzene	25.6	5.0	µg/L	100		**25.6**	*	40-140	**24.8**	*	20	R-05	
2,4,5-Trichlorophenol	66.3	10	µg/L	100		66.3		30-130	9.78		20		
2,4,6-Trichlorophenol	66.1	10	µg/L	100		66.1		30-130	10.0		50		‡
Surrogate: 2-Fluorophenol	*180*		µg/L	400		45.0		15-110					
Surrogate: Phenol-d6	*136*		µg/L	400		33.9		15-110					
Surrogate: Nitrobenzene-d5	*127*		µg/L	200		63.7		30-130					
Surrogate: 2-Fluorobiphenyl	*118*		µg/L	200		58.9		30-130					
Surrogate: 2,4,6-Tribromophenol	*268*		µg/L	400		67.1		15-110					
Surrogate: p-Terphenyl-d14	*166*		µg/L	200		83.2		30-130					
Matrix Spike (B356142-MS1)		**Source: 23J2972-06**		Prepared: 10/24/23 Analyzed: 10/26/23									
Acenaphthene	58.4	5.0	µg/L	100	ND	58.4		40-140					
Acenaphthylene	62.9	5.0	µg/L	100	ND	62.9		40-140					
Acetophenone	64.3	10	µg/L	100	ND	64.3		40-140					
Aniline	47.3	20	µg/L	100	ND	47.3		40-140				V-05, V-34	
Anthracene	70.0	5.0	µg/L	100	ND	70.0		40-140					
Benzidine	23.9	20	µg/L	100	ND	**23.9**	*	40-140				MS-23, V-04, V-05	
Benzo(a)anthracene	68.8	5.0	µg/L	100	ND	68.8		40-140					
Benzo(a)pyrene	69.6	5.0	µg/L	100	ND	69.6		40-140					
Benzo(b)fluoranthene	71.2	5.0	µg/L	100	ND	71.2		40-140					
Benzo(g,h,i)perylene	66.7	5.0	µg/L	100	ND	66.7		40-140					
Benzo(k)fluoranthene	76.5	5.0	µg/L	100	ND	76.5		40-140					
Benzoic Acid	6.96	20	µg/L	90.0	ND	**7.73**	*	40-140				MS-09, V-05	
Bis(2-chloroethoxy)methane	71.2	10	µg/L	100	ND	71.2		40-140					
Bis(2-chloroethyl)ether	65.8	10	µg/L	100	ND	65.8		40-140					

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B356142 - SW-846 3510C											
Matrix Spike (B356142-MS1)		**Source: 23J2972-06**		Prepared: 10/24/23 Analyzed: 10/26/23							
Bis(2-chloroisopropyl)ether	72.3	10	µg/L	100	ND	72.3		40-140			
Bis(2-Ethylhexyl)phthalate	70.7	10	µg/L	100	ND	70.7		40-140			
4-Bromophenylphenylether	70.8	10	µg/L	100	ND	70.8		40-140			
Butylbenzylphthalate	79.4	10	µg/L	100	ND	79.4		40-140			
Carbazole	67.3	10	µg/L	100	ND	67.3		40-140			
4-Chloroaniline	66.1	10	µg/L	100	ND	66.1		40-140			
4-Chloro-3-methylphenol	71.1	10	µg/L	100	ND	71.1		30-130			
2-Chloronaphthalene	46.4	10	µg/L	100	ND	46.4		40-140			
2-Chlorophenol	61.8	10	µg/L	100	ND	61.8		30-130			
4-Chlorophenylphenylether	63.4	10	µg/L	100	ND	63.4		40-140			
Chrysene	66.6	5.0	µg/L	100	ND	66.6		40-140			
Dibenz(a,h)anthracene	65.7	5.0	µg/L	100	ND	65.7		40-140			
Dibenzofuran	62.2	5.0	µg/L	100	ND	62.2		40-140			
Di-n-butylphthalate	69.7	10	µg/L	100	ND	69.7		40-140			
1,2-Dichlorobenzene	27.4	5.0	µg/L	100	ND	**27.4**	*	40-140			MS-09
1,3-Dichlorobenzene	24.1	5.0	µg/L	100	ND	**24.1**	*	40-140			MS-09
1,4-Dichlorobenzene	25.2	5.0	µg/L	100	ND	**25.2**	*	40-140			MS-09
3,3-Dichlorobenzidine	83.2	10	µg/L	100	ND	83.2		40-140			
2,4-Dichlorophenol	67.4	10	µg/L	100	ND	67.4		30-130			
Diethylphthalate	68.0	10	µg/L	100	ND	68.0		40-140			
2,4-Dimethylphenol	59.5	10	µg/L	100	ND	59.5		30-130			
Dimethylphthalate	69.7	10	µg/L	100	ND	69.7		40-140			
4,6-Dinitro-2-methylphenol	67.1	20	µg/L	100	ND	67.1		30-130			R-06
2,4-Dinitrophenol	38.8	10	µg/L	100	ND	38.8		30-130			R-06, V-04
2,4-Dinitrotoluene	68.1	10	µg/L	100	ND	68.1		40-140			
2,6-Dinitrotoluene	71.5	10	µg/L	100	ND	71.5		40-140			
Di-n-octylphthalate	73.9	10	µg/L	100	ND	73.9		40-140			V-04
1,2-Diphenylhydrazine/Azobenzene	73.8	10	µg/L	100	ND	73.8		40-140			
Fluoranthene	63.2	5.0	µg/L	100	ND	63.2		40-140			
Fluorene	62.4	5.0	µg/L	100	ND	62.4		40-140			
Hexachlorobenzene	70.4	10	µg/L	100	ND	70.4		40-140			
Hexachlorobutadiene	19.4	10	µg/L	100	ND	**19.4**	*	40-140			MS-09, R-06
Hexachlorocyclopentadiene	22.8	10	µg/L	100	ND	**22.8**	*	30-130			MS-23
Hexachloroethane	19.6	10	µg/L	100	ND	**19.6**	*	40-140			MS-09
Indeno(1,2,3-cd)pyrene	67.1	5.0	µg/L	100	ND	67.1		40-140			
Isophorone	70.5	10	µg/L	100	ND	70.5		40-140			
1-Methylnaphthalene	47.0	5.0	µg/L	100	ND	47.0		40-140			
2-Methylnaphthalene	45.4	5.0	µg/L	100	ND	45.4		40-140			
2-Methylphenol	59.9	10	µg/L	100	ND	59.9		30-130			
3/4-Methylphenol	58.6	10	µg/L	100	ND	58.6		30-130			
Naphthalene	42.2	5.0	µg/L	100	ND	42.2		40-140			
2-Nitroaniline	66.8	10	µg/L	100	ND	66.8		40-140			
3-Nitroaniline	70.4	10	µg/L	100	ND	70.4		40-140			
4-Nitroaniline	61.7	10	µg/L	100	ND	61.7		40-140			
Nitrobenzene	61.7	10	µg/L	100	ND	61.7		40-140			
2-Nitrophenol	61.4	10	µg/L	100	ND	61.4		30-130			
4-Nitrophenol	32.0	10	µg/L	100	ND	32.0		30-130			
N-Nitrosodimethylamine	40.0	10	µg/L	100	ND	40.0		40-140			MS-09
N-Nitrosodiphenylamine/Diphenylamine	86.2	10	µg/L	100	ND	86.2		40-140			
N-Nitrosodi-n-propylamine	67.0	10	µg/L	100	ND	67.0		40-140			
Pentachloronitrobenzene	72.5	10	µg/L	100	ND	72.5		40-140			
Pentachlorophenol	64.8	10	µg/L	100	ND	64.8		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B356142 - SW-846 3510C												
Matrix Spike (B356142-MS1)		**Source: 23J2972-06**		Prepared: 10/24/23 Analyzed: 10/26/23								
Phenanthrene	68.1	5.0	µg/L	100	ND	68.1		40-140				
Phenol	34.2	10	µg/L	100	ND	34.2		30-130				
Pyrene	79.8	5.0	µg/L	100	ND	79.8		40-140				
Pyridine	26.3	20	µg/L	100	ND	**26.3**	*	40-140				MS-09
1,2,4,5-Tetrachlorobenzene	43.1	10	µg/L	100	ND	43.1		40-140				
1,2,4-Trichlorobenzene	30.0	5.0	µg/L	100	ND	**30.0**	*	40-140				MS-09
2,4,5-Trichlorophenol	68.8	10	µg/L	100	ND	68.8		30-130				
2,4,6-Trichlorophenol	68.7	10	µg/L	100	ND	68.7		30-130				
Surrogate: 2-Fluorophenol	*184*		µg/L	400		46.0		15-110				
Surrogate: Phenol-d6	*139*		µg/L	400		34.7		15-110				
Surrogate: Nitrobenzene-d5	*134*		µg/L	200		67.0		30-130				
Surrogate: 2-Fluorobiphenyl	*128*		µg/L	200		64.0		30-130				
Surrogate: 2,4,6-Tribromophenol	*287*		µg/L	400		71.8		15-110				
Surrogate: p-Terphenyl-d14	*177*		µg/L	200		88.5		30-130				
Matrix Spike Dup (B356142-MSD1)		**Source: 23J2972-06**		Prepared: 10/24/23 Analyzed: 10/26/23								
Acenaphthene	60.9	5.0	µg/L	100	ND	60.9		40-140	4.22		30	
Acenaphthylene	65.7	5.0	µg/L	100	ND	65.7		40-140	4.42		30	
Acetophenone	60.6	10	µg/L	100	ND	60.6		40-140	5.96		30	
Aniline	43.5	20	µg/L	100	ND	43.5		40-140	8.52		30	V-05, V-34
Anthracene	69.0	5.0	µg/L	100	ND	69.0		40-140	1.35		30	
Benzidine	49.8	20	µg/L	100	ND	49.8		40-140	**70.3**	*	30	V-04, V-05, R-06
Benzo(a)anthracene	69.1	5.0	µg/L	100	ND	69.1		40-140	0.377		30	
Benzo(a)pyrene	68.7	5.0	µg/L	100	ND	68.7		40-140	1.29		30	
Benzo(b)fluoranthene	71.4	5.0	µg/L	100	ND	71.4		40-140	0.281		30	
Benzo(g,h,i)perylene	62.9	5.0	µg/L	100	ND	62.9		40-140	5.80		30	
Benzo(k)fluoranthene	74.2	5.0	µg/L	100	ND	74.2		40-140	2.96		30	
Benzoic Acid	5.27	20	µg/L	90.0	ND	**5.86**	*	40-140	27.6		30	MS-09, V-05
Bis(2-chloroethoxy)methane	66.3	10	µg/L	100	ND	66.3		40-140	7.14		30	
Bis(2-chloroethyl)ether	59.0	10	µg/L	100	ND	59.0		40-140	10.8		30	
Bis(2-chloroisopropyl)ether	66.6	10	µg/L	100	ND	66.6		40-140	8.17		30	
Bis(2-Ethylhexyl)phthalate	72.9	10	µg/L	100	ND	72.9		40-140	3.08		30	
4-Bromophenylphenylether	70.6	10	µg/L	100	ND	70.6		40-140	0.297		30	
Butylbenzylphthalate	80.8	10	µg/L	100	ND	80.8		40-140	1.74		30	
Carbazole	68.4	10	µg/L	100	ND	68.4		40-140	1.65		30	
4-Chloroaniline	65.2	10	µg/L	100	ND	65.2		40-140	1.46		30	
4-Chloro-3-methylphenol	71.1	10	µg/L	100	ND	71.1		30-130	0.0281		30	
2-Chloronaphthalene	52.0	10	µg/L	100	ND	52.0		40-140	11.3		30	
2-Chlorophenol	56.7	10	µg/L	100	ND	56.7		30-130	8.60		30	
4-Chlorophenylphenylether	66.0	10	µg/L	100	ND	66.0		40-140	4.00		30	
Chrysene	66.6	5.0	µg/L	100	ND	66.6		40-140	0.0601		30	
Dibenz(a,h)anthracene	62.4	5.0	µg/L	100	ND	62.4		40-140	5.01		30	
Dibenzofuran	63.6	5.0	µg/L	100	ND	63.6		40-140	2.13		30	
Di-n-butylphthalate	73.0	10	µg/L	100	ND	73.0		40-140	4.67		30	
1,2-Dichlorobenzene	31.9	5.0	µg/L	100	ND	**31.9**	*	40-140	15.4		30	MS-09
1,3-Dichlorobenzene	28.6	5.0	µg/L	100	ND	**28.6**	*	40-140	16.9		30	MS-09
1,4-Dichlorobenzene	29.3	5.0	µg/L	100	ND	**29.3**	*	40-140	15.1		30	MS-09
3,3-Dichlorobenzidine	84.1	10	µg/L	100	ND	84.1		40-140	1.09		30	
2,4-Dichlorophenol	67.2	10	µg/L	100	ND	67.2		30-130	0.282		30	
Diethylphthalate	69.7	10	µg/L	100	ND	69.7		40-140	2.45		30	
2,4-Dimethylphenol	60.1	10	µg/L	100	ND	60.1		30-130	0.903		30	
Dimethylphthalate	69.4	10	µg/L	100	ND	69.4		40-140	0.503		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B356142 - SW-846 3510C												
Matrix Spike Dup (B356142-MSD1)	**Source: 23J2972-06**			Prepared: 10/24/23 Analyzed: 10/26/23								
4,6-Dinitro-2-methylphenol	45.5	20	µg/L	100	ND	45.5		30-130	**38.3**	*	30	R-06
2,4-Dinitrophenol	18.8	10	µg/L	100	ND	**18.8**	*	30-130	**69.2**	*	30	V-04, MS-23
2,4-Dinitrotoluene	68.7	10	µg/L	100	ND	68.7		40-140	0.789		30	
2,6-Dinitrotoluene	70.9	10	µg/L	100	ND	70.9		40-140	0.829		30	
Di-n-octylphthalate	77.6	10	µg/L	100	ND	77.6		40-140	4.85		30	V-04
1,2-Diphenylhydrazine/Azobenzene	73.4	10	µg/L	100	ND	73.4		40-140	0.489		30	
Fluoranthene	65.4	5.0	µg/L	100	ND	65.4		40-140	3.50		30	
Fluorene	64.8	5.0	µg/L	100	ND	64.8		40-140	3.72		30	
Hexachlorobenzene	68.4	10	µg/L	100	ND	68.4		40-140	2.90		30	
Hexachlorobutadiene	27.0	10	µg/L	100	ND	**27.0**	*	40-140	**32.4**	*	30	MS-09, R-06
Hexachlorocyclopentadiene	33.7	10	µg/L	100	ND	33.7		30-130	**38.6**	*	30	R-06
Hexachloroethane	23.0	10	µg/L	100	ND	**23.0**	*	40-140	15.9		30	MS-09
Indeno(1,2,3-cd)pyrene	62.7	5.0	µg/L	100	ND	62.7		40-140	6.87		30	
Isophorone	66.4	10	µg/L	100	ND	66.4		40-140	6.08		30	
1-Methylnaphthalene	53.5	5.0	µg/L	100	ND	53.5		40-140	12.9		30	
2-Methylnaphthalene	53.2	5.0	µg/L	100	ND	53.2		40-140	15.8		30	
2-Methylphenol	59.6	10	µg/L	100	ND	59.6		30-130	0.385		30	
3/4-Methylphenol	59.0	10	µg/L	100	ND	59.0		30-130	0.680		30	
Naphthalene	46.0	5.0	µg/L	100	ND	46.0		40-140	8.68		30	
2-Nitroaniline	68.9	10	µg/L	100	ND	68.9		40-140	3.02		30	
3-Nitroaniline	73.0	10	µg/L	100	ND	73.0		40-140	3.70		30	
4-Nitroaniline	62.3	10	µg/L	100	ND	62.3		40-140	1.03		30	
Nitrobenzene	55.2	10	µg/L	100	ND	55.2		40-140	11.1		30	
2-Nitrophenol	56.9	10	µg/L	100	ND	56.9		30-130	7.63		30	
4-Nitrophenol	24.8	10	µg/L	100	ND	**24.8**	*	30-130	25.4		30	MS-22
N-Nitrosodimethylamine	35.3	10	µg/L	100	ND	**35.3**	*	40-140	12.4		30	MS-09
N-Nitrosodiphenylamine/Diphenylamine	83.3	10	µg/L	100	ND	83.3		40-140	3.42		30	
N-Nitrosodi-n-propylamine	63.9	10	µg/L	100	ND	63.9		40-140	4.65		30	
Pentachloronitrobenzene	70.4	10	µg/L	100	ND	70.4		40-140	3.04		30	
Pentachlorophenol	54.8	10	µg/L	100	ND	54.8		30-130	16.7		30	
Phenanthrene	67.7	5.0	µg/L	100	ND	67.7		40-140	0.707		30	
Phenol	32.9	10	µg/L	100	ND	32.9		30-130	4.02		30	
Pyrene	79.4	5.0	µg/L	100	ND	79.4		40-140	0.490		30	
Pyridine	28.6	20	µg/L	100	ND	**28.6**	*	40-140	8.19		30	MS-09
1,2,4,5-Tetrachlorobenzene	50.2	10	µg/L	100	ND	50.2		40-140	15.2		30	
1,2,4-Trichlorobenzene	37.2	5.0	µg/L	100	ND	**37.2**	*	40-140	21.3		30	MS-09
2,4,5-Trichlorophenol	70.6	10	µg/L	100	ND	70.6		30-130	2.50		30	
2,4,6-Trichlorophenol	66.1	10	µg/L	100	ND	66.1		30-130	3.84		30	
Surrogate: 2-Fluorophenol	*168*		µg/L	400		42.1		15-110				
Surrogate: Phenol-d6	*138*		µg/L	400		34.5		15-110				
Surrogate: Nitrobenzene-d5	*125*		µg/L	200		62.3		30-130				
Surrogate: 2-Fluorobiphenyl	*135*		µg/L	200		67.3		30-130				
Surrogate: 2,4,6-Tribromophenol	*301*		µg/L	400		75.1		15-110				
Surrogate: p-Terphenyl-d14	*184*		µg/L	200		92.1		30-130				

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B356102 - SW-846 3005A Dissolved										
Blank (B356102-BLK1)				Prepared: 10/24/23 Analyzed: 10/25/23						
Chromium	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
LCS (B356102-BS1)				Prepared: 10/24/23 Analyzed: 10/25/23						
Chromium	0.509	0.010	mg/L	0.500		102	80-120			
Copper	0.973	0.010	mg/L	1.00		97.3	80-120			
Nickel	0.519	0.010	mg/L	0.500		104	80-120			
LCS Dup (B356102-BSD1)				Prepared: 10/24/23 Analyzed: 10/25/23						
Chromium	0.514	0.010	mg/L	0.500		103	80-120	0.919	20	
Copper	0.984	0.010	mg/L	1.00		98.4	80-120	1.06	20	
Nickel	0.525	0.010	mg/L	0.500		105	80-120	0.999	20	
Matrix Spike (B356102-MS1)		**Source: 23J2972-04**		Prepared: 10/24/23 Analyzed: 10/25/23						
Chromium	0.517	0.010	mg/L	0.500	0.0104	101	75-125			
Copper	1.10	0.010	mg/L	1.00	0.134	96.8	75-125			
Nickel	1.05	0.010	mg/L	0.500	0.538	103	75-125			
Matrix Spike Dup (B356102-MSD1)		**Source: 23J2972-04**		Prepared: 10/24/23 Analyzed: 10/25/23						
Chromium	0.522	0.010	mg/L	0.500	0.0104	102	75-125	1.11	20	
Copper	1.12	0.010	mg/L	1.00	0.134	98.9	75-125	1.93	20	
Nickel	1.07	0.010	mg/L	0.500	0.538	106	75-125	1.74	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Water	
Chromium	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,NC,VA
Nickel	CT,NH,NY,ME,NC,VA
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodiphenylamine/Diphenylamine	NY
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

23J2972

Pace Analytical®

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name: [illegible] ENVIRONMENTAL CONSULTANTS INC
Address: 100 GRANDVIEW RD, SUITE 102, BRAINTREE, MA 02184
Phone: (781) 356-9140
Project Name: [illegible] PRODUCTS CORP.
Project Location: 248 W. SANDANCH AVE., WEST BABYLON, NY 11704
Project Number: 1744-2140
Project Manager: BRIAN BUTLER
Pace Quote Name/Number:
Invoice Recipient: MATT PERROTTI, BRIAN BUTLER
Sampled By: SM-SAM HESS

Requested Turnaround Time
7-Day STANDARD 5-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: SAMHESS, MATTPERROTTI
Fax To #: SHANNONMCDONALD

Dissolved Metals Samples
☒ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	#
1	MW-2	10/19/23	11:35	GRAB	GW	U			1			
2	MW-4R	10/19/23	10:41	GRAB	GW	U			1			
3	MW-5RR	10/18/23	15:26	GRAB	GW	U			1			
4	MW-12	10/19/23	12:32	GRAB	GW	U			1			
5	MW-12 DUP	10/19/23	12:36	GRAB	GW	U			1			
6	MW-12 MS	10/19/23	12:40	GRAB	GW	U			1			
7	MW-19	10/19/23	13:29	GRAB	GW	U		2				
8	MW-19 DUP	10/19/23	13:33	GRAB	GW	U		2				
9	MW-19 MS	10/19/23	13:36	GRAB	GW	U		2				

Relinquished by: (signature)		Date/Time:	10/20/23
Received by: (signature)		Date/Time:	1110
Relinquished by: (signature)		Date/Time:	1500
Received by: (signature)		Date/Time:	10/20/23 1500
Relinquished by: (signature)		Date/Time:	
Received by: (signature)		Date/Time:	
Relinquished by: (signature)		Date/Time:	
Received by: (signature)		Date/Time:	

Client Comments: KEEP COLD, INCLUDE ALL NY STATE ENV. REGULATABLE, CLEAN-UP, AND METHOD CRITERIA (NYSDEC)

Detection Limit Requirements
MA:
GT:
Other: NYSDEC

Special Requirements
☒ NYSDEC
MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State OW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y N
Glassware in freezer? Y N
Prepackaged Cooler? Y N
*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Goldman Environmental

Project Linzer Products Corp

MCP/RCP Required NO

Deliverable Package Requirement NO

Location NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MEM 10/20/23 1500

Back-Sheet By / Date / Time SR 10/23/23 1232

Temperature Method gun # 5

Temp < 6° C Actual Temperature 3.9

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☐
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☑ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16oz Amb/Clear	(Circle Amb/Clear)	Soils Jars																				
8oz Amb/Clear																						
4oz Amb/Clear																						
2oz Amb/Clear																						
Unpreserved	1 Liter	Ambers																				
HCL																						
Sulfuric																						
Sulfuric	250mL																					
Phosphoric																						
HCl																						
Unpreserved	100mL								2		4											
Unpreserved	1 Liter	Plastics																				
Sulfuric																						
Unpreserved	500mL																					
Sulfuric																						
Unpreserved	250mL																					
Trizma																						
Sulfuric																						
Nitric			–	–	–	2	–															
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved		VOA Vials																				
HCl																						
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact		Other / Fill in																				

Qualtrax ID: 120836

ATTACHMENT 5:

Site Management Plan (SMP) Addendum #2 – 2023,

Response Letter

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 1
SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790
P: (631) 444-0240 | F: (631) 444-0248
www.dec.ny.gov

SENT VIA EMAIL ONLY

October 18, 2023

Leonard Zichlin
Linzer Products Corporation
248 Wyandanch Ave
West Babylon, NY 11704
Email: LenZ@Linzerproducts.com

Re: Site Management Plan (SMP) Addendum #2 – 2023, Response Letter
Former Jameco Industries
248 Wyandanch Ave, Wyandanch
Nassau County, Site No. 152006

Dear Leonard Zichlin:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) are in receipt of the SMP Addendum No. 2, dated May 08, 2023, from Goldman Environmental Consultant retained by the Linzer Products Corporation, to eliminate five (5) groundwater monitoring well from the existing groundwater water monitoring plan for the site referenced above as required by the project's approved Site Management Plan (SMP) dated July 17, 2009.

Based on our review of your groundwater monitoring well elimination request and a review of the historic groundwater sampling results, the Department, in concurrence with the NYSDOH agrees to eliminate from the sampling work plan the GW monitoring wells MW-3, MW-10, MW-20, MW-21, MW-23 including MW-26R which has been destroyed.

The Departments hereby accepts your SMP Addendum No.2 dated May 08, 2023.

It should be noted that the Department reserves the right to change the required groundwater monitoring plan should there be a change to the current groundwater conditions which warrants it. If you have any questions, please feel free to contact me at (631) 444-0242 or jahan.reza@dec.ny.gov.
Thank you.

Sincerely,

Jahan Reza
Project Manager

ec: R. Mustico, Director, DER, BURA A
G. Desai, RHWRE, DER, Region 1
C. Bethoney, DOH Section Chief
J. Nealon, DOH Project Manager
B. Butler, Goldman Environmental, Consultant