Former Jameco Industries Site

WYANDANCH, SUFFOLK COUNTY, NEW YORK

Periodic Review Report

NYSDEC Site Number: #1-52-006

Linzer Corporation
248 Wyandanch Avenue
West Babylon, New York

Prepared by:
Goldman Environmental Consultants, Inc.
100 Grandview Rd, Ste. 102, Braintree, MA 02184
(781) 356-9140

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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 October 1, 2023, to October 1, 2024, 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 NYSDEC, and the two addendums to the SMP requested and approved by NYSDEC on March 31, 2016 and May 8, 2023.

In a letter to Linzer dated August 20, 2024, NYSDEC provided a reminder notice of the due date on the PRR and Institutional Control/Engineering Control (IC/EC) Certification covering the period October 1, 2023, to October 1, 2024. Specifically, NYSDEC had the following comments:

1. Your next PRR is due on October 31, 2024.

Groundwater monitoring has been conducted annually, usually in the spring; however, per the 2022 SMP addendum that was approved the previous year for reinstallation of monitoring wells MW-3R, MW-4R, and MW-5RR, annual groundwater sampling was delayed until October 2023. To remain consistent with this new schedule, groundwater sampling was conducted on September 10 and 11, 2024.

Based on the results of the 2022 groundwater analyses, and per the 2022 addendum to the SMP, GEC had eliminated the following monitoring wells from the annual groundwater sampling program, the previous year:

(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 review period. The replacement well MW-4R was installed the following year along with replacement well MW-5RR, with sampling taking place in October 2023 and again this year in September 2024. Additionally, the frequency of Site inspections was reduced from semi-annually to annually as granted by NYSDEC in the approval letter dated October 18, 2023.

This PRR covers the 2024 annual Site inspection as well as this year's groundwater monitoring event conducted concurrently in September 2024. Since this report covers from October 1, 2023 through October 1, 2024, it includes last years' inspection and groundwater monitoring conducted in October

2023 (even though it was previously reported in the December 2023 PRR). The analytical results are provided in the attached tables, and the inspection reports are provided in Attachment 2.

Summary

The Site (#1-52-006) consists of approximately 9.35 +/- acres and is located in a mixed industrial/commercial/residential area and 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 that has occupied the property/Site since early 1999. Prior to 1999, Jameco Industries (Jameco) occupied the property/Site. 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 IC/ECs 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 2024 groundwater monitoring plan.

No SVOCs were detected above the laboratory reporting limits in groundwater samples during the September 2024 sampling event. No SVOCs have been detected at levels greater than applicable NYSDEC Class-GA Groundwater Standards (Class-GA standard(s)) over several consecutive monitoring rounds; however, for some constituents the laboratory reporting limit exceeds the NY Class-GA standard. Currently, only slightly elevated concentrations of nickel was detected in groundwater (e.g. MW-4RR and MW-12) exceed the applicable Class-GA standard. However, nickel was also detected in MW-2 at 1.3 mg/L, an increase from a concentration of 0.23 mg/L in 2023. Chromium and/or copper were either not detected above the laboratory reporting limit or were detected but well below the applicable Class-GA standard. Analytical results for the annual sampling event conducted in September 2024 indicate either 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 as 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) September 2024; 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-five monitoring rounds from 2007 to 2024 and stayed above 0.22 mg/L during past eight years (2016 to 2024). 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 Class-GA 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. This holds true for the 2024 sampling event.

Groundwater samples were submitted to Pace Analytical Laboratory of Longmeadow, Massachusetts (Laboratory ID: 10899) for analysis. Refer to Attachment 3 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, the SMP, or the IC/ECs described in the Environmental Easement. On January 23, 2012, 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 remaining obligations under the NYSDEC-approved Site Management Plan. In a letter dated May 16, 2012, Linzer consented to the responsibility of remaining periodic inspections, monitoring, and reporting as outlined in the SMP.

Recommendations

Linzer should continue monitoring effectiveness of the remedial program at the currently approved frequency.

1. IC/EC inspections should take place annually and moved to the early fall (September) to be consistent and in conjunction with the 2025 groundwater monitoring round.
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 - 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 - 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 due 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 - 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 - 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 locations of the five AOCs.

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

NYSDEC approved the *Final Engineering Report* on September 14, 2011. On January 23, 2012, NYSDEC changed the Site classification from Class 2 to Class 4. Among the reasons

NYSDEC cited for this change were that the remedy has been constructed consistent with the ROD Amendment and requisite institutional controls, in the form of an environmental easement, were in place.

As stated in the Amended ROD, Remedial Action Objectives (RAOs) were to eliminate or mitigate all significant threats to public health and/or the environment. 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 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 and 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 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 NYSDEC and approved on August 12, 2009. According to the plan, 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 IC/ECs remain effective. Periodic certification must be provided until 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 maintenance of a protective soil cover system over each AOC and 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 September 2024 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 (PAHs and phthalates). Laboratory analytical results are used to evaluate effectiveness of the remedial program.

Discussion of Groundwater Sampling Results from September 2024 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 September 2024 sampling event, groundwater samples from monitoring wells MW-2, MW-4R, MW-5RR, and MW-12 are analyzed for nickel, including a duplicate of the MW-12 sample.

- The concentrations of nickel have increased in MW-2 over last years' results, but remain within historic ranges, with the latest results showing 1.3 mg/l, compared to 0.23 mg/l the year prior. The nickel levels in groundwater samples analyzed exceed its Class-GA standard (0.1 mg/l) in three out of the four wells sampled. Therefore, additional sampling and analyses of groundwater from MW-2 is warranted.
- Prior to 2022, nickel concentrations found in MW-4 were consistently higher than its Class-GA standard, with nickel concentrations 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 and 2024 sampling rounds, MW-4R samples contained 0.49 mg/l and 0.56 mg/l nickel respectively, showing a decrease from the previous years but still exceeding the Class-GA standard. Based on these results, additional sampling and analysis for nickel is warranted for MW-4R.

- MW-5RR was installed in July 2023 to replace MW-5R after its top of casing 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 concentrations ranged between 0.21 and 1.65 mg/l, which are consistently greater than its Class-GA standard. During the 2023 and 2024 monitoring rounds, nickel was detected in MW-5RR at concentrations of 0.035 mg/l and 0.074 mg/l, lower than its Class-GA standard. However, as this monitoring well has historically exceeded the standard, additional sampling and analysis for nickel is warranted for MW-5RR to determine if the concentrations of nickel are decreasing consistently.
- Nickel concentrations detected 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 its Class-GA standard of 0.1 mg/l in 2021 and 2022. In 2023, nickel concentrations in MW-12 and its duplicate sample were 0.54 and 0.61 mg/l respectively. And in 2024 nickel levels in MW-12 and its duplicate sample were 0.61 mg/l and 0.61 mg/l, respectively. Based on this finding, additional sampling and analysis 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 concentration 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 two previous monitoring rounds (2021 and 2022). The most recent analytical results from this well detected concentrations of 0.13 mg/l and 0.096 mg/l in 2023 and 0.070 mg/l and 0.079 mg/l in 2024 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-five samples collected during the period January 2007 to September 2024, GEC believes additional sampling and analysis 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 the detection limit of 0.010 mg/l in MW-12 in 2023, and again at 0.0085 mg/l in MW-12 in 2024. Both values are less than chromium's Class-GA standard of 0.05 mg/l and within the historic range for MW-12.

- For MW-12, chromium has not exceeded the Class-GA standard since 2020, and before that it had not been exceeded since 2013. **Based on these results, GEC believes additional sampling and analysis for chromium is no longer 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 PAHs and the remaining detected SVOCs are phthalates. Of these four SVOCs, the following three have Class-GA standards: naphthalene (10 μg/l); bis-(2-ethylhexyl) phthalate (5 μg/l); and 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.
- 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 monitoring rounds (from April 2018 to May 2022), 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). In 2023 and 2024 the quantitation limits were 8.9 ug/l which is above the Class-GA standard.
- 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

[1] Petroleum-based cutting oils include both paraffin-based or naphthalene-based ("naphthenic") oils.

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 at 5.22 µg/l, when 2-methylnaphthalene was also detected in the method blank,. 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 6 times since 2007 since the presence of LNAPL prevented sampling during the majority of previous monitoring rounds. Due to this, there is limited analytical data available for this monitoring well, and therefore, additional sampling and analysis for SVOCs 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 MW-19 on eighteen of twenty-three occasions over the period January 2007 to October 2024, i.e., an eighteen-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). 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 MW-19 in October 2023.

GEC attempted to perform pump-down transmissivity tests at MW-19 in both October 2018 and May 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 building floor/foundation slab would need to be removed to allow excavation of soils containing LNAPL. This approach is not feasible due to the disruption it would cause to facility operations and the inordinate cost compared to its relatively small benefit, as the LNAPL condition is localized to the area surrounding MW-19 and gives no indication of migrating. 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 absorbed 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 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 September 11, 2024, a groundwater sample and duplicate sample were collected from MW-19 for analysis of SVOCs. Laboratory analytical results are used to evaluate effectiveness of the remedial program. No SVOCs were detected in groundwater samples above the laboratory reporting/sample quantitation 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 therefore removed from the sampling program. Refer to Table 2 for a summary of the SVOC analytical data and to Attachment 3 for the laboratory report.

4.0 IC/EC PLAN COMPLIANCE REPORT

Institutional Controls

Institutional Controls (ICs) at the Site were established to prevent exposure of persons at or around the Site to metals and SVOCs in groundwater by prohibiting 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 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 IC/ECs are still in place and effective.

The performance of the ICs 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 (ECs) 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 18, 2023 (the sole annual inspection for 2023 per approval of the second SMP addendum) and on September 10, 2024 (the sole annual inspection for 2024 per approval of the second SMP addendum) to inspect Site conditions and collect groundwater samples. Please refer to photographs taken during the October 18, 2023, and September 10, 2024 inspections in Attachment 2. The IC/ECs 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 concrete floor/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 approximately 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.

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 improvements to the Site that may disturb the sub-surface within or outside the AOCs in accordance with the recorded environmental easement.

Linzer should continue with 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 five (5) monitoring wells is included in the currently approved Groundwater Monitoring Plan (Table 1) that was initiated during this reporting period. For the September 2024 sampling round, the number of wells targeted for sampling and analysis was five (5).

The Monitoring Plan stipulates that prior to collection of groundwater samples, groundwater elevation in each well shall be measured and recorded. Groundwater samples are to be collected via the low-flow sampling method[2]. 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 submittal of the last PRR in December 2023, one round of long-term groundwater monitoring was conducted during September of 2024. A total of five (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, groundwater elevation in each monitoring well was measured and recorded. Peristaltic pumps with polyethylene tubing were used to purge and sample monitoring wells. Groundwater samples were collected using the low-flow sampling method 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.

[2] USEPA Region II "Groundwater Sampling Procedure – Low Stress (low flow) Purging and Sampling (March 16, 1998)"

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 AOCs #2 and #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 for nickel during this monitoring round, and the concentration of nickel (1.3 mg/l) was above its Class-GA standard (0.1 mg/l), apart from 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 September 2024. The groundwater sample and a duplicate sample from the same well had concentrations of copper (at 0.079 mg/l) 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 0.0085 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 2024. 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, inside 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 due to the occasional presence of LNAPL. 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 NYSDEC after submitting the 2015 PRR and written 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 additional monitoring wells from the scheduled sampling plan and reduced the Site inspection frequency from semi-annual to annual. GEC received oral approval from NYSDEC after submitting the 2022 PRR and written approval in the form of a Site Management Addendum letter dated October 18, 2023. The current approved Groundwater Monitoring Plan is provided as Table 1.

Monitoring during this reporting period complied with that approved in the 2023 SMP 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.

Currently, GEC recommends no further revision of the Groundwater Monitoring Plan.

6.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

SMP Compliance

The IC/ECs established in the Environmental Easement prevent exposure of persons at or around the Site to metals and SVOCs in soil and groundwater. All requirements of the IC/ECs 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 effectiveness of the IC/ECs 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 per 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, with 2024 being the first year of the latest annual sampling plan.

Performance and Effectiveness of the Remedy

The terms of the IC/ECs 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, groundwater data have shown that other remedial objectives have been met at specific monitoring wells and will likely be met for remaining monitoring wells over time. Using groundwater monitoring data, 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 variability of total chromium, copper, and nickel concentrations in groundwater. 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 by October 31, 2025. The frequency of sampling and Site inspections shall continue to be annually.

7.0 WARRANTY

The conclusions and recommendations contained in this report are based on information available to GEC as of the date of this document. 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 NYSDEC regulations and should not be construed beyond its limitations. Any interpretations or use of this report other than those expressed herein are not warranted.

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

Respectfully submitted,

Goldman Environmental Consultants, Inc.

Prepared By:

Kenneth McDonald, Jr

Kenneth McDonald, Jr
Environmental Scientist

Matthew C. Perrotti

Matthew C. Perrotti
Project Manager

Approved By:

Brian T. Butler

Brian T. Butler, P.G.
Sr. Vice President, Operations

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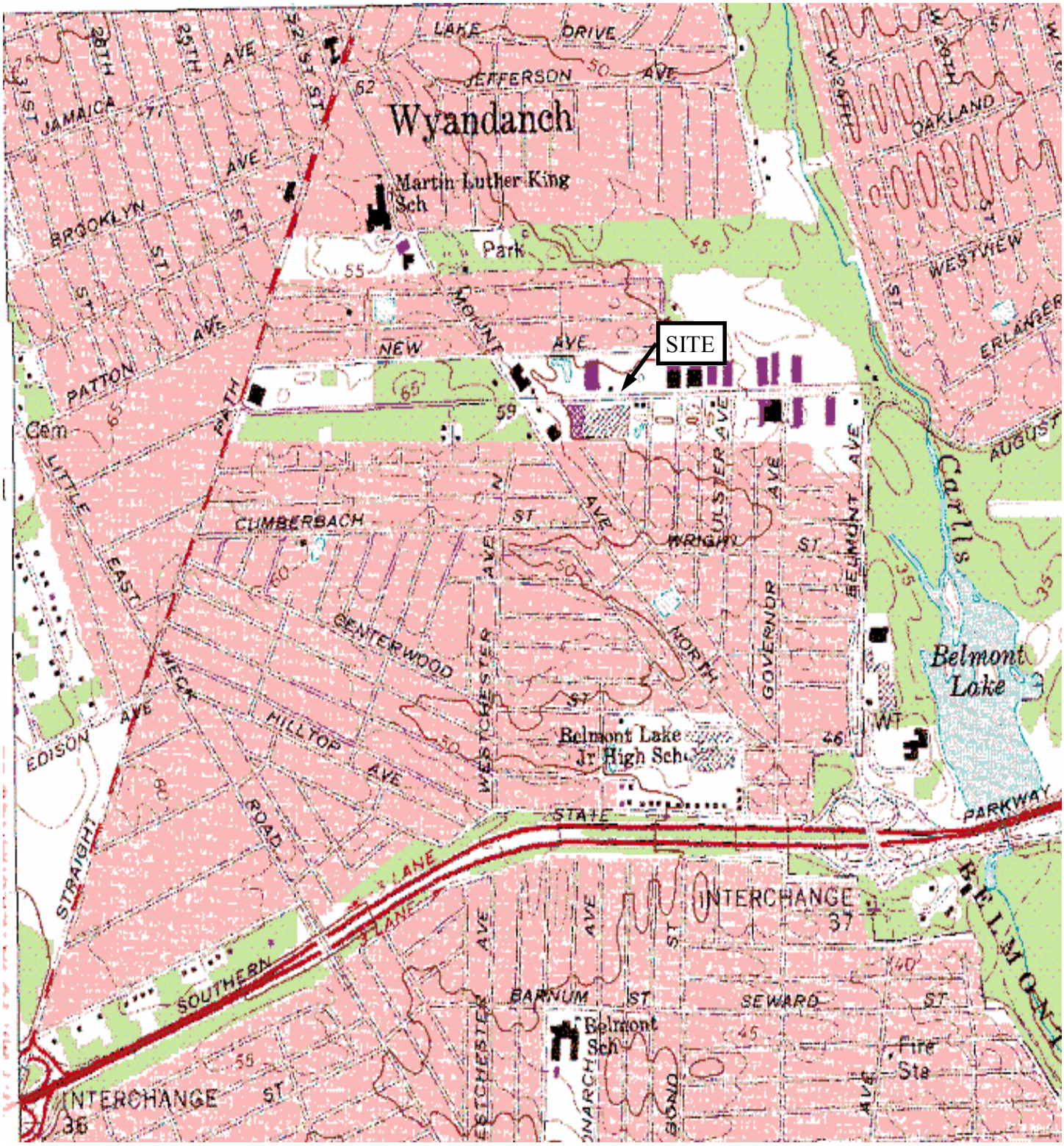
FIGURES

FIGURE 1:

Site Locus



USGS 7.5 Minute Topographic

Bay Shore
NewYork, Quadrangle

Goldman Environmental Consultants, Inc.
100 Grandview Rd, Ste.102
Braintree, MA 02184
(781)356-9140 Fax: (781)356-9147
www.goldmanenvironmental.com

SITE LOCUS

248 Wyandanch Avenue
Wyandanch, New York

GEC Project #: 1744-1130

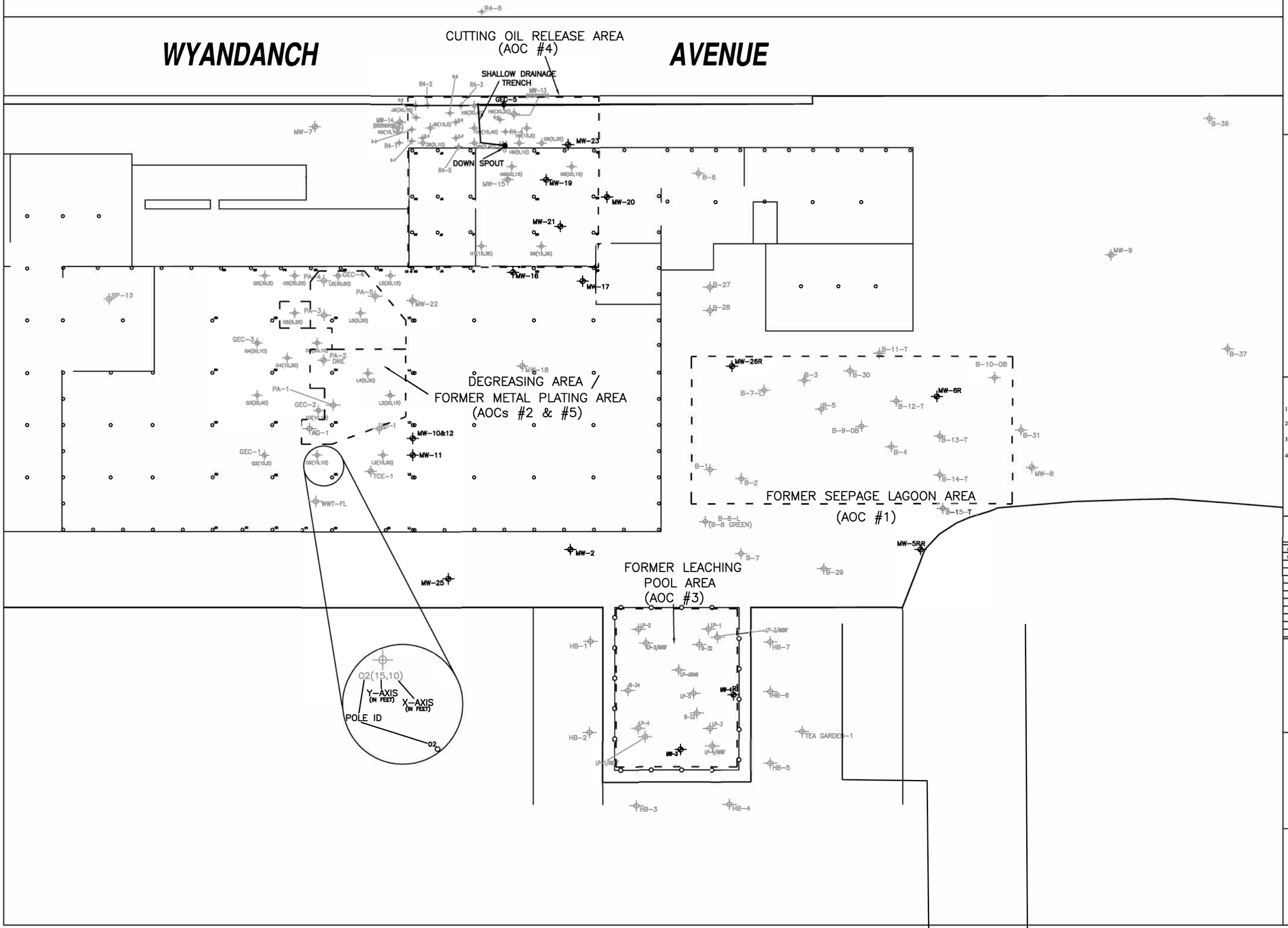
Figure 1

Scale
1 : 25,000

N

FIGURE 2:

Site Plan of Remediation Areas & Sample Locations



Goldman Environmental Consultants, Inc
100 Grandview Rd, Ste 102
Braintree, MA 02184
(781) 356-9140 Fax: (781) 356-9147
www.GoldmanEnvironmental.com

Legend

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

Special Notes

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

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

3.) Support Columns based on plan by John Schimenti P.C. Architect, A.I.A. number 8864, A1, dated 1-1299.

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-4R	AOC-3	10-20		X	
MW-5RR	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 contai																						
	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 contai	- - -		- - -		- - -		- - -		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	8.9	ND	8.9	ND	8.9	ND	8.9
	9/11/2024***	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	9/11/2024***	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
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		Fluorene		2-Methyl naphthalene		Naphthalene		3-Nitroaniline		4-Nitroaniline		Phenanthrene		Pyrene		Pyridine		bis(2-Ethylhexyl) phthalate		1,4 - Dioxane
				SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL
MW-17	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10	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 contai																						
	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	8.9	ND	8.9	ND	4.5	ND	4.5	ND	18	ND	8.9	NR	
	9/11/2024***	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	9/11/2024***	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	
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		Fluorene		2-Methyl naphthalene		Naphthalene		3-Nitroaniline		4-Nitroaniline		Phenanthrene		Pyrene		Pyridine		bis(2-Ethylhexyl) phthalate		1,4 - Dioxane	
				SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		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 contai																						
	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**	0.005	NA		- -
	9/10/2024***	6010D	NA	- -	NA	- -	**1.30**	0.100	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:
$= In March 2014 these samples were field filtered with a 0.
B= Analyte is found in the blanks as well as the sample.
NS= Not Sampled
*** = Sample collected after completion of remedial actions
SQL= Sample Quantitation Limit
- - = Sample quantitation limits not provided or not available.
NA= Not Analyzed
E= Detected concentration exceeds calibration curve range.
ND= Not detected above SQL
T= Analysis by EcoTest due to short holding time
NG = Analytical Method not provided by previous consultant
*= Duplicate analysis not within control limit.
Methods = Standard USEPA Methods
Bold= Exceeds Standard
GEC-5^{+} = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

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**	0.1000	NA	- -
	9/10/2024***	6010D	NA	- -	NA	- -	**0.56**	0.1000	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	0.0050	NA	0.0050	**0.035**	0.005	NA	- -
	9/10/2024***	6010D	NA	0.0050	NA	0.0050	**0.074**	0.005	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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NS= Not Sampled
*** = Sample collected after completion of remedial actions
SQL= Sample Quantitation Limit
- - = Sample quantitation limits not provided or not available.
NA= Not Analyzed
E= Detected concentration exceeds calibration curve range.
ND= Not detected above SQL
T= Analysis by EcoTest due to short holding time
NG = Analytical Method not provided by previous consultant
*= Duplicate analysis not within control limit.
Methods = Standard USEPA Methods
Bold= Exceeds Standard
GEC-5^{+} = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

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-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	0.010	0.13		0.010	**0.54**	0.010	NA		- -
Duplicate	10/19/2023***	6010D	0.010	0.010	0.096		0.010	**0.61**	0.010	NA		- -
	9/11/2024***	6010D	**0.0085**	0.005	**0.079**		0.005	**0.61**	0.1	NA		
Duplicate	9/11/2024***	6010D	**0.0085**	0.005	**0.079**		0.005	**0.61**	0.1	NA		
NYSDEC Class GA Groundwater Standard			0.05		0.2			0.1		2.0		

Notes:
$= In March 2014 these samples were field filtered with a 0.
B= Analyte is found in the blanks as well as the sample.
NS= Not Sampled
*** = Sample collected after completion of remedial actions
SQL= Sample Quantitation Limit
- - = Sample quantitation limits not provided or not available.
NA= Not Analyzed
E= Detected concentration exceeds calibration curve range.
ND= Not detected above SQL
T= Analysis by EcoTest due to short holding time
NG = Analytical Method not provided by previous consultant
*= Duplicate analysis not within control limit.
Methods = Standard USEPA Methods
Bold= Exceeds Standard
GEC-5^{+} = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

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

8/20/2024

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, 2024**. 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: October 01, 2023 to October 01, 2024

	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
☒	☐

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
☒	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 152006

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I LEONARD ZICHLIN (print name) at Linzer Products Corp 248 Wyandanch Ave, West Babylon, NY (print business address),

am certifying as Owner (Owner or Remedial Party)

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

Leonard Zichlin, CFO — 10/30/24

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — 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_____ at __97 Asylum Rd, Warwick RI 02886-8007_____,
print name print business address

am certifying as a Professional Engineer for the _____Linzer Corporation, Inc._____
(Owner or Remedial Party)

30 OCT 2024

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

Stamp (Required for PE)

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

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.

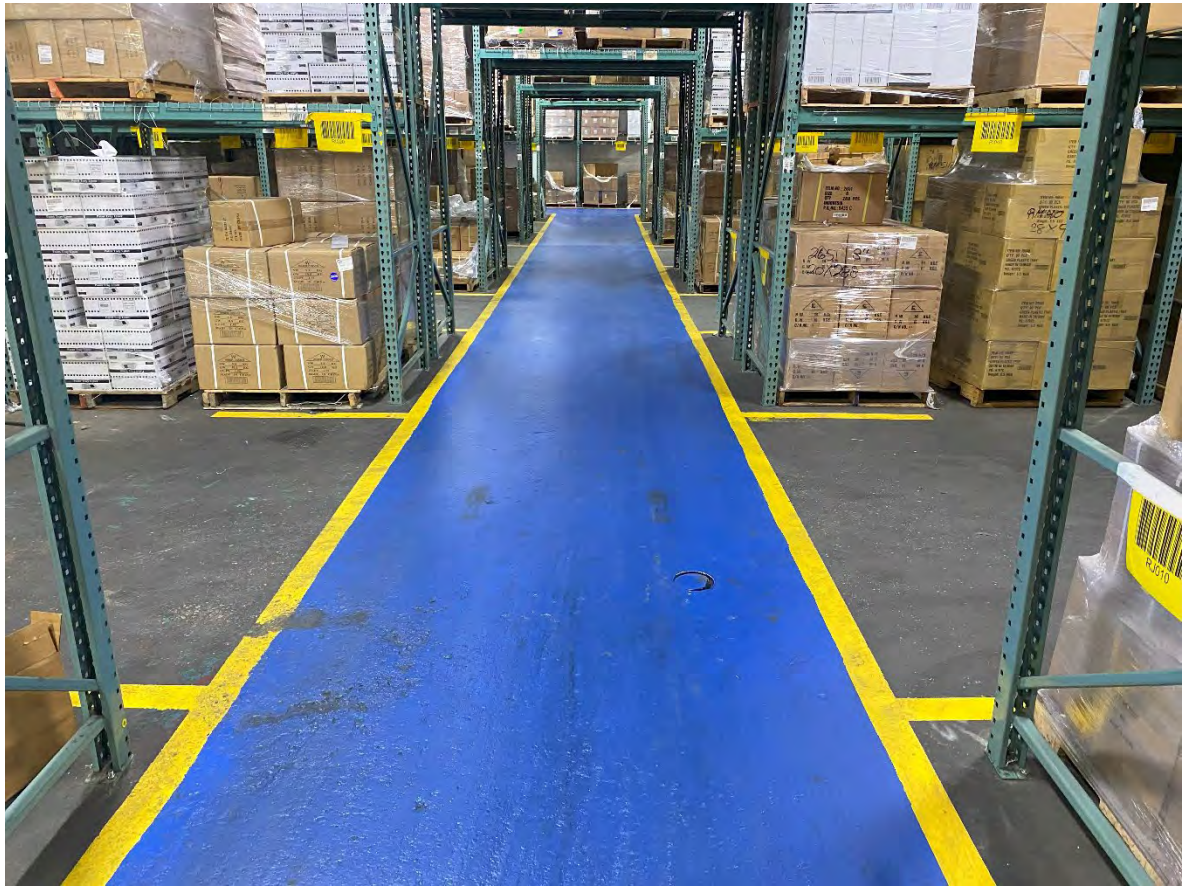
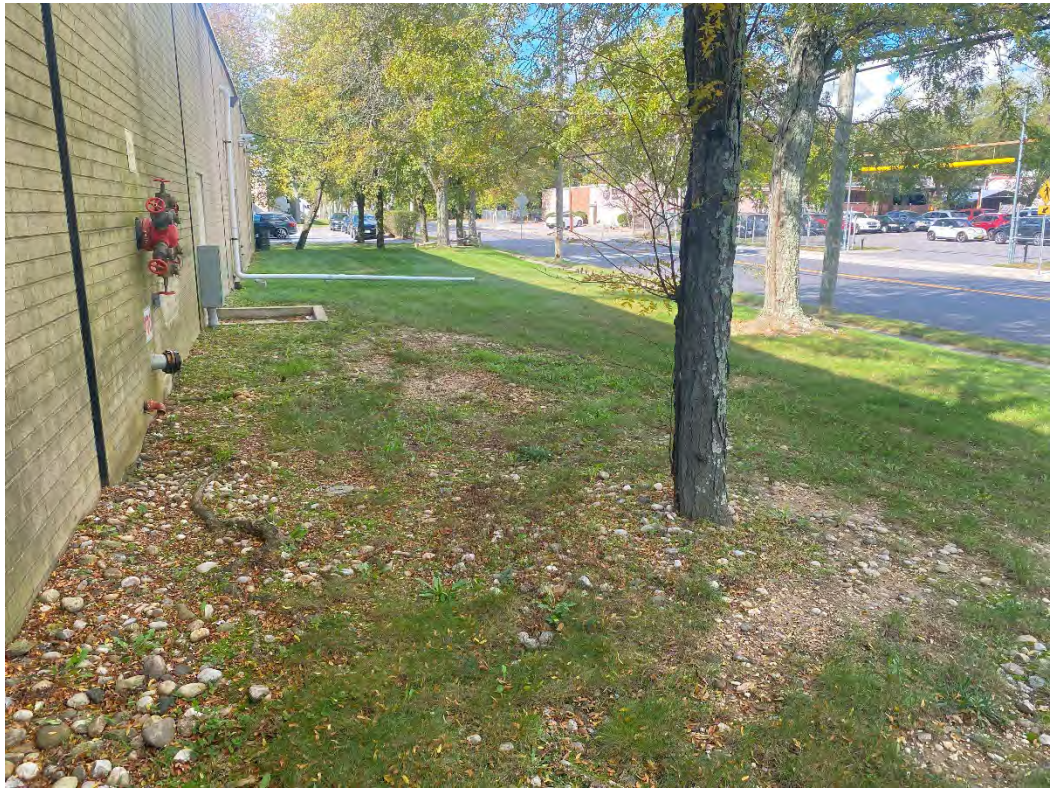
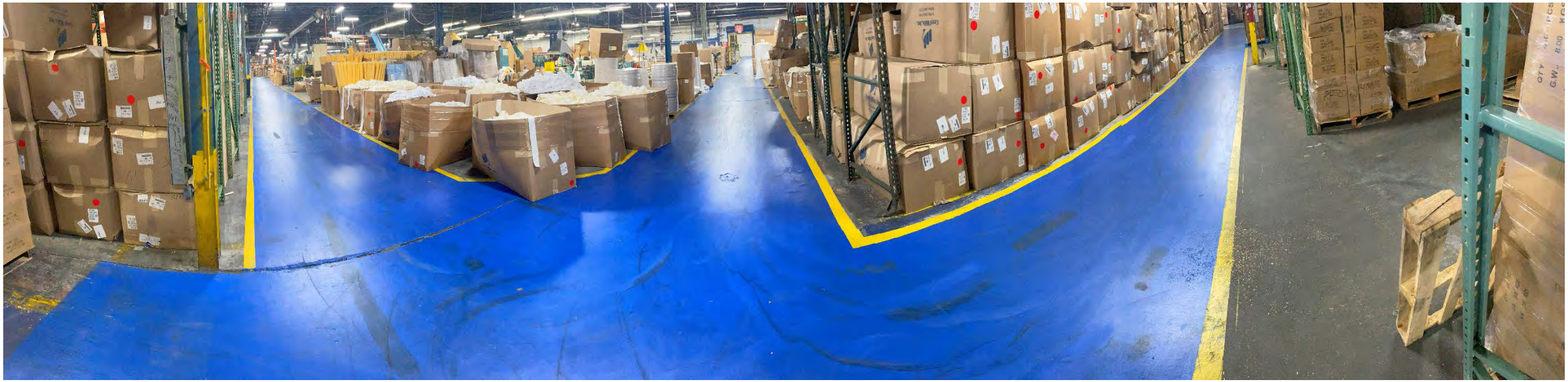


Photo 4: AOC 4. Exterior portion of AOC 4. On north side of Site building. Looking west.



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.



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: 9-10-2024

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

Former Jameco Facility
Site Inspection Photos: 9-10-2024

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

Former Jameco Facility
Site Inspection Photos: 9-10-2024

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

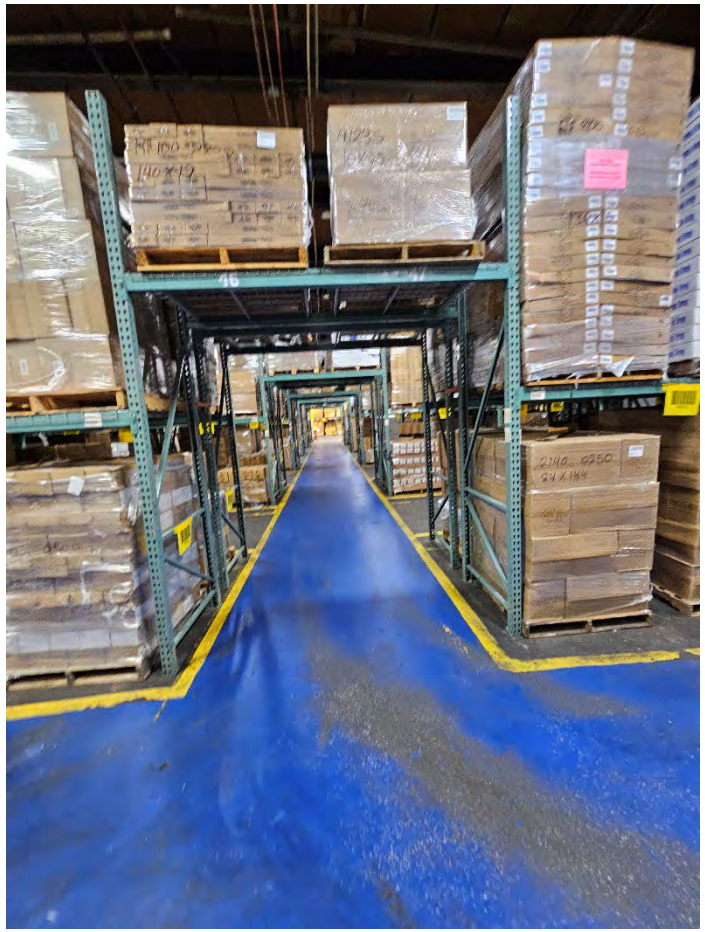
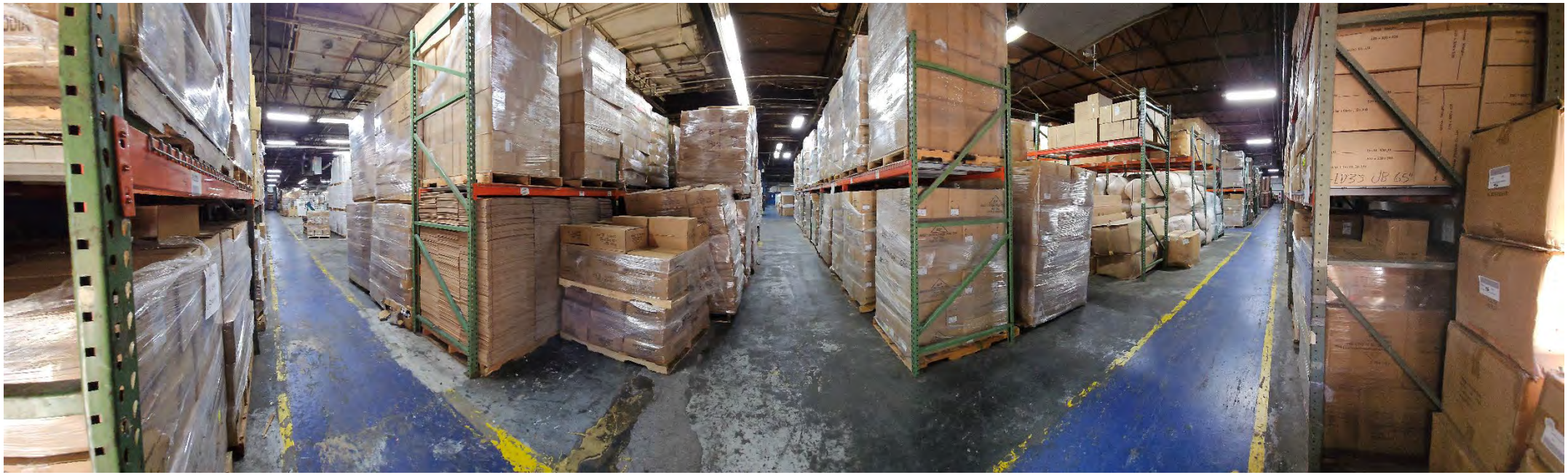


Photo 4: AOC 4. Exterior portion of AOC 4. On north side of Site building. Looking west.

Former Jameco Facility
Site Inspection Photos: 9-10-2024

Photo 5: AOC 2&5. View from south wall of AOC 2 and 5. Production area to north.



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

Inspector 1: Ken McDonald **Dates on Site: 9/10/2024**

Inspector 2: _____ **Start time: 11:00 Finish time: 12:00**

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: **9/10/2024 11:00-12:00**
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: **9/10/2024 11:00-12:00**
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: **9/10/2024 11:00-12:00**
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: **9/10/2024 11:00-12:00**
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

Monitoring Well Purge Data Evaluation
Annual GW Sampling 9-10, 9-11, 2024
Former Jameco Facilty
West Babylon, New York

MW-2 DTW = 9.80' DTB =15.7' **9/10/2024**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
12:45	20.20	234.4	1.48	5.87	148.8	68.25
12:50	19.70	228.7	0.60	5.83	149.4	50.86
12:55	19.20	226.1	0.53	5.81	147.6	31.28
13:00	19.50	225.1	0.55	5.90	139.9	22.28
13:05	19.70	223.6	0.61	5.93	138.1	17.95
13:10	19.70	223.8	0.60	5.94	135.2	15.66
	0%	0%	-2%	0	-3	-15%

Collect Sample @13:12
For Total Nickel

No odor or sheen

MW-4R DTW = 15.36' DTB = 25.35' **9/10/2024**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
11:45	21.6	310.0	1.34	6.19	89.4	286.36
11:50	21.8	131.5	1.03	6.16	102.8	101.20
11:55	22.1	323.3	0.66	6.12	125.2	90.42
12:00	22.4	332.8	0.57	6.12	126.5	63.20
12:05	22.5	336.1	0.45	6.13	128.1	74.43
12:10	22.5	337.8	0.41	6.13	126.1	82.96
12:15	22.5	340.9	0.38	6.13	122.2	80.25
	0.0%	0.9%	-7.9%	0	-3.9	-3%

Collect Sample @12:16
For Total Nickel

No odor or sheen

MW-5RR DTW = 13.52' DTB = 24.67' **9/10/2024**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
13:40	22.5	255.7	0.43	5.88	77.9	52.36
13:45	22.4	258.6	0.40	5.88	72.8	36.56
13:50	22.5	259.1	0.44	6.02	66.3	10.88
13:55	22.5	260.2	0.34	6.06	61.7	8.64
14:00	22.5	261.8	0.30	6.07	59.4	10.94
14:05	22.6	265.0	0.30	6.08	56.5	9.87
	-0.4%	1.2%	0	0.01	-2.9	-10.8%

Collect sample @ 14:08
For Total Nickel

No odor or sheen

MW-12 DTW =10.68' DTB =98.2' **9/11/2024**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
13:30	19.6	157.0	1.02	5.963	110.3	315.66
13:35	19.4	156.9	0.86	5.9	107.8	287.96
13:40	19.2	155.4	0.75	5.86	104.6	244.03
13:45	19.2	154.3	0.43	5.88	104.2	186.61
13:50	19.2	153.8	0.39	5.86	106.6	98.86
13:55	19.2	159.1	0.35	5.86	105.4	86.51
14:00	19.1	159.3	0.35	5.86	105.6	74.9
	-0.5%	0%	0%	0.0	0.2	-16%

Collect Sample @ 2:02
Collect Dup Sample @ 2:07
Collect MS Sample @ 2:12
For dissvolved Copper, Chromium and Nickel

No sheen or odor detected

MW-19 DTW = 9.81' DTB = 18.3' **9/11/2024**

Time	Temp (°C)	Specific Conductivity us/cm	Dissolved Oxygen (mg/L)	pH	ORP (mv)	Turbidity (NTU)
12:30	19.2	95.2	1.80	5.93	161.9	15.66
12:35	18.8	85.0	0.58	5.93	162.8	12.03
12:40	18.2	84.9	0.56	5.92	163.3	12.58
12:45	18.2	84.9	0.54	5.92	165.3	11.52
12:50	18.2	84.9	0.55	5.92	165.1	11.62
	0.0%	0.0%	1.8%	0.0	-0.2	0.9%

Collect Sample @12:52
Collect Dup Sample @ 12:57
Collect MS Sample @ 13:02
For SVOCs (8270C)

Slight odor, No sheen

EPA Low flow stabilization

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

ATTACHMENT 3:

Laboratory Certificate of Analysis

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

October 1, 2024

Matt Perrotti
Goldman Environmental
100 Grandview Road, Suite 102
Braintree, MA 02184

Project Location: West Babylon, NY
Client Job Number:
Project Number: 1744-4150
Laboratory Work Order Number: 24I1750

Enclosed are results of analyses for samples as received by the laboratory on September 13, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

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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: Matt Perrotti

REPORT DATE: 10/1/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 1744-4150

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24I1750

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

PROJECT LOCATION: West Babylon, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-2	24I1750-01	Ground Water		SW-846 6020B	
MW-4	24I1750-02	Ground Water		SW-846 6020B	
MW-5R	24I1750-03	Ground Water		SW-846 6020B	
MW-12	24I1750-04	Ground Water		SW-846 6020B	
MW-19	24I1750-05	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.

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

SW-846 8270E

Qualifications:

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:

2-Nitroaniline
B386266-BS1

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:

Benzoic Acid
24I1750-05[MW-19], B386266-MS1, B386266-MSD1

Pyridine
24I1750-05[MW-19], B386266-MS1, B386266-MSD1

MS-11

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

Analyte & Samples(s) Qualified:

2-Nitroaniline
24I1750-05[MW-19], B386266-MS1, B386266-MSD1

MS-14

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:

2,6-Dinitrotoluene
B386266-MS1

Benzo(g,h,i)perylene
B386266-MS1

Dibenz(a,h)anthracene
B386266-MS1

Di-n-octylphthalate
B386266-MS1

Indeno(1,2,3-cd)pyrene
B386266-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:

Benzidine
B386266-BS1, B386266-BSD1

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:

Bis(2-chloroethyl)ether
24I1750-05[MW-19], B386266-MS1, B386266-MSD1

N-Nitrosodimethylamine
24I1750-05[MW-19], B386266-MS1, B386266-MSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B386266-BS1, B386266-MS1

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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

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S110658-CCV1

Benzoic Acid

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S110658-CCV1

Di-n-octylphthalate

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S110658-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:

4-Nitrophenol

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S110658-CCV1

Aniline

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S110658-CCV1

Benzidine

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S110658-CCV1

Benzoic Acid

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S110658-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:

Pyridine

24I1750-05[MW-19], B386266-BLK1, B386266-BS1, B386266-BSD1, B386266-MS1, B386266-MSD1, S109935-ICV1, S110658-CCV1

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

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-2 | Sampled: 9/10/2024 13:12

Sample ID: 24I1750-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	1300	100	µg/L	20		SW-846 6020B	9/26/24	9/30/24 14:39	AAJ

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Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-2 | Sampled: 9/10/2024 13:12

Sample ID: 24I1750-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	1100	5.0	µg/L	1		SW-846 6020B	9/20/24	9/20/24 14:09	AAJ

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-4 | Sampled: 9/10/2024 12:16

Sample ID: 24I1750-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	560	100	µg/L	20		SW-846 6020B	9/26/24	9/30/24 14:42	AAJ

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-4 | Sampled: 9/10/2024 12:16

Sample ID: 24I1750-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	520	5.0	µg/L	1		SW-846 6020B	9/20/24	9/20/24 14:11	AAJ

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-5R | Sampled: 9/10/2024 14:08

Sample ID: 24I1750-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	74	5.0	µg/L	1		SW-846 6020B	9/26/24	9/26/24 16:51	MJH

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-5R | Sampled: 9/10/2024 14:08

Sample ID: 24I1750-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Nickel	70	5.0	µg/L	1		SW-846 6020B	9/20/24	9/20/24 14:13	AAJ

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-12 | Sampled: 9/11/2024 14:02

Sample ID: 24I1750-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	8.5	5.0	µg/L	1		SW-846 6020B	9/26/24	9/26/24 16:54	MJH
Copper	79	5.0	µg/L	1		SW-846 6020B	9/26/24	9/30/24 14:47	AAJ
Nickel	610	100	µg/L	20		SW-846 6020B	9/26/24	9/30/24 14:45	AAJ

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-12 | Sampled: 9/11/2024 14:02

Sample ID: 24I1750-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	7.1	5.0	µg/L	1		SW-846 6020B	9/20/24	9/20/24 14:16	AAJ
Copper	70	5.0	µg/L	1		SW-846 6020B	9/20/24	9/20/24 14:16	AAJ
Nickel	540	5.0	µg/L	1		SW-846 6020B	9/20/24	9/20/24 14:16	AAJ

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

Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-19 | Sampled: 9/11/2024 12:52

Sample ID: 24I1750-05

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	9/17/24	9/17/24 17:11	BGL
Acenaphthylene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Acetophenone	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Aniline	ND	18	µg/L	1	V-05	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Anthracene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Benzidine	ND	18	µg/L	1	V-05	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Benzo(a)anthracene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Benzo(a)pyrene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Benzo(b)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Benzo(g,h,i)perylene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Benzo(k)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Benzoic Acid	ND	18	µg/L	1	MS-09, V-04, V-05	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Bis(2-chloroethoxy)methane	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Bis(2-chloroethyl)ether	ND	8.9	µg/L	1	R-06	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,2'-oxybis(1-Chloropropane)	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Bis(2-Ethylhexyl)phthalate	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
4-Bromophenylphenylether	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Butylbenzylphthalate	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Carbazole	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
4-Chloroaniline	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
4-Chloro-3-methylphenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2-Chloronaphthalene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2-Chlorophenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
4-Chlorophenylphenylether	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Chrysene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Dibenz(a,h)anthracene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Dibenzofuran	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Di-n-butylphthalate	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
1,2-Dichlorobenzene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
1,3-Dichlorobenzene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
1,4-Dichlorobenzene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
3,3-Dichlorobenzidine	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,4-Dichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Diethylphthalate	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,4-Dimethylphenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Dimethylphthalate	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
4,6-Dinitro-2-methylphenol	ND	18	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,4-Dinitrophenol	ND	8.9	µg/L	1	V-04	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,4-Dinitrotoluene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,6-Dinitrotoluene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Di-n-octylphthalate	ND	8.9	µg/L	1	V-04	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Fluorene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL

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Project Location: West Babylon, NY | Sample Description: | Work Order: 24I1750

Date Received: 9/13/2024

Field Sample #: MW-19 | Sampled: 9/11/2024 12:52

Sample ID: 24I1750-05

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	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Hexachlorobutadiene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Hexachlorocyclopentadiene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Hexachloroethane	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Indeno(1,2,3-cd)pyrene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Isophorone	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
1-Methylnaphthalene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2-Methylnaphthalene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2-Methylphenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
3/4-Methylphenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Naphthalene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2-Nitroaniline	ND	8.9	µg/L	1	MS-11	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
3-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
4-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Nitrobenzene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2-Nitrophenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
4-Nitrophenol	ND	8.9	µg/L	1	V-05	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
N-Nitrosodimethylamine	ND	8.9	µg/L	1	R-06	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
N-Nitrosodi-n-propylamine	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Pentachloronitrobenzene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Pentachlorophenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Phenanthrene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Phenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Pyrene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
Pyridine	ND	18	µg/L	1	MS-09, V-34	SW-846 8270E	9/17/24	9/17/24 17:11	BGL
1,2,4,5-Tetrachlorobenzene	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
1,2,4-Trichlorobenzene	ND	4.5	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,4,5-Trichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL
2,4,6-Trichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	9/17/24	9/17/24 17:11	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.6	15-110		9/17/24 17:11
Phenol-d6	30.2	15-110		9/17/24 17:11
Nitrobenzene-d5	79.2	30-130		9/17/24 17:11
2-Fluorobiphenyl	70.4	30-130		9/17/24 17:11
2,4,6-Tribromophenol	89.0	15-110		9/17/24 17:11
p-Terphenyl-d14	97.4	30-130		9/17/24 17:11

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Sample Extraction Data

Prep Method:SW-846 3005A Dissolved **Analytical Method:SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I1750-01 [MW-2]	B386749	5.00	5.00	09/20/24
24I1750-02 [MW-4]	B386749	5.00	5.00	09/20/24
24I1750-03 [MW-5R]	B386749	5.00	5.00	09/20/24
24I1750-04 [MW-12]	B386749	5.00	5.00	09/20/24

Prep Method:SW-846 3005A **Analytical Method:SW-846 6020B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I1750-01 [MW-2]	B387414	50.0	50.0	09/26/24
24I1750-02 [MW-4]	B387414	50.0	50.0	09/26/24
24I1750-03 [MW-5R]	B387414	50.0	50.0	09/26/24
24I1750-04 [MW-12]	B387414	50.0	50.0	09/26/24

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I1750-05 [MW-19]	B386266	112	1.00	09/17/24

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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 B386266 - SW-846 3510C										
Blank (B386266-BLK1)				Prepared & Analyzed: 09/17/24						
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							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							
2,2'-oxybis(1-Chloropropane)	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							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
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							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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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 B386266 - SW-846 3510C										
Blank (B386266-BLK1)				Prepared & Analyzed: 09/17/24						
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
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							
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							V-34
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	*238*		µg/L	400.0		59.4	15-110			
Surrogate: Phenol-d6	*162*		µg/L	400.0		40.4	15-110			
Surrogate: Nitrobenzene-d5	*185*		µg/L	200.0		92.7	30-130			
Surrogate: 2-Fluorobiphenyl	*161*		µg/L	200.0		80.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*381*		µg/L	400.0		95.2	15-110			
Surrogate: p-Terphenyl-d14	*204*		µg/L	200.0		102	30-130			
LCS (B386266-BS1)				Prepared & Analyzed: 09/17/24						
Acenaphthene	102	5.0	µg/L	100.0		102	40-140			
Acenaphthylene	108	5.0	µg/L	100.0		108	40-140			
Acetophenone	103	10	µg/L	100.0		103	40-140			
Aniline	97.2	20	µg/L	100.0		97.2	40-140			V-05
Anthracene	109	5.0	µg/L	100.0		109	40-140			
Benzidine	105	20	µg/L	100.0		105	40-140			R-05, V-05
Benzo(a)anthracene	109	5.0	µg/L	100.0		109	40-140			
Benzo(a)pyrene	114	5.0	µg/L	100.0		114	40-140			
Benzo(b)fluoranthene	114	5.0	µg/L	100.0		114	40-140			
Benzo(g,h,i)perylene	132	5.0	µg/L	100.0		132	40-140			
Benzo(k)fluoranthene	117	5.0	µg/L	100.0		117	40-140			
Benzoic Acid	13.1	20	µg/L	100.0		13.1	10-130			V-04, V-05 †
Bis(2-chloroethoxy)methane	109	10	µg/L	100.0		109	40-140			
Bis(2-chloroethyl)ether	106	10	µg/L	100.0		106	40-140			
2,2'-oxybis(1-Chloropropane)	117	10	µg/L	100.0		117	40-140			
Bis(2-Ethylhexyl)phthalate	113	10	µg/L	100.0		113	40-140			
4-Bromophenylphenylether	108	10	µg/L	100.0		108	40-140			
Butylbenzylphthalate	124	10	µg/L	100.0		124	40-140			
Carbazole	110	10	µg/L	100.0		110	40-140			
4-Chloroaniline	114	10	µg/L	100.0		114	40-140			
4-Chloro-3-methylphenol	111	10	µg/L	100.0		111	30-130			
2-Chloronaphthalene	87.1	10	µg/L	100.0		87.1	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 B386266 - SW-846 3510C												
LCS (B386266-BS1)				Prepared & Analyzed: 09/17/24								
2-Chlorophenol	96.7	10	µg/L	100.0		96.7		30-130				
4-Chlorophenylphenylether	104	10	µg/L	100.0		104		40-140				
Chrysene	105	5.0	µg/L	100.0		105		40-140				
Dibenz(a,h)anthracene	125	5.0	µg/L	100.0		125		40-140				
Dibenzofuran	107	5.0	µg/L	100.0		107		40-140				
Di-n-butylphthalate	119	10	µg/L	100.0		119		40-140				
1,2-Dichlorobenzene	70.3	5.0	µg/L	100.0		70.3		40-140				
1,3-Dichlorobenzene	64.0	5.0	µg/L	100.0		64.0		40-140				
1,4-Dichlorobenzene	66.0	5.0	µg/L	100.0		66.0		40-140				
3,3-Dichlorobenzidine	73.9	10	µg/L	100.0		73.9		40-140				
2,4-Dichlorophenol	104	10	µg/L	100.0		104		30-130				
Diethylphthalate	113	10	µg/L	100.0		113		40-140				
2,4-Dimethylphenol	96.9	10	µg/L	100.0		96.9		30-130				
Dimethylphthalate	113	10	µg/L	100.0		113		40-140				
4,6-Dinitro-2-methylphenol	98.8	20	µg/L	100.0		98.8		30-130				
2,4-Dinitrophenol	85.0	10	µg/L	100.0		85.0		30-130			V-04	
2,4-Dinitrotoluene	118	10	µg/L	100.0		118		40-140				
2,6-Dinitrotoluene	134	10	µg/L	100.0		134		40-140				
Di-n-octylphthalate	134	10	µg/L	100.0		134		40-140			V-04	
1,2-Diphenylhydrazine/Azobenzene	117	10	µg/L	100.0		117		40-140				
Fluoranthene	111	5.0	µg/L	100.0		111		40-140				
Fluorene	107	5.0	µg/L	100.0		107		40-140				
Hexachlorobenzene	111	10	µg/L	100.0		111		40-140				
Hexachlorobutadiene	65.4	10	µg/L	100.0		65.4		40-140				
Hexachlorocyclopentadiene	95.5	10	µg/L	100.0		95.5		30-140				†
Hexachloroethane	60.1	10	µg/L	100.0		60.1		40-140				
Indeno(1,2,3-cd)pyrene	139	5.0	µg/L	100.0		139		40-140				
Isophorone	117	10	µg/L	100.0		117		40-140				
1-Methylnaphthalene	92.9	5.0	µg/L	100.0		92.9		40-140				
2-Methylnaphthalene	88.5	5.0	µg/L	100.0		88.5		40-140				
2-Methylphenol	94.2	10	µg/L	100.0		94.2		30-130				
3/4-Methylphenol	90.6	10	µg/L	100.0		90.6		30-130				
Naphthalene	88.6	5.0	µg/L	100.0		88.6		40-140				
2-Nitroaniline	147	10	µg/L	100.0		**147**	*	40-140			L-07	
3-Nitroaniline	131	10	µg/L	100.0		131		40-140				
4-Nitroaniline	115	10	µg/L	100.0		115		40-140				
Nitrobenzene	105	10	µg/L	100.0		105		40-140				
2-Nitrophenol	113	10	µg/L	100.0		113		30-130				
4-Nitrophenol	48.3	10	µg/L	100.0		48.3		10-130			V-05	†
N-Nitrosodimethylamine	59.7	10	µg/L	100.0		59.7		40-140				
N-Nitrosodiphenylamine/Diphenylamine	111	10	µg/L	100.0		111		40-140				
N-Nitrosodi-n-propylamine	105	10	µg/L	100.0		105		40-140				
Pentachloronitrobenzene	126	10	µg/L	100.0		126		40-140				
Pentachlorophenol	95.7	10	µg/L	100.0		95.7		30-130				
Phenanthrene	106	5.0	µg/L	100.0		106		40-140				
Phenol	54.3	10	µg/L	100.0		54.3		20-130				†
Pyrene	112	5.0	µg/L	100.0		112		40-140				
Pyridine	37.7	20	µg/L	100.0		37.7		10-140			V-34	†
1,2,4,5-Tetrachlorobenzene	94.1	10	µg/L	100.0		94.1		40-140				
1,2,4-Trichlorobenzene	77.4	5.0	µg/L	100.0		77.4		40-140				
2,4,5-Trichlorophenol	109	10	µg/L	100.0		109		30-130				
2,4,6-Trichlorophenol	111	10	µg/L	100.0		111		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 B386266 - SW-846 3510C													
LCS (B386266-BS1)				Prepared & Analyzed: 09/17/24									
Surrogate: 2-Fluorophenol	*263*		µg/L	400.0		65.6		15-110					
Surrogate: Phenol-d6	*194*		µg/L	400.0		48.5		15-110					
Surrogate: Nitrobenzene-d5	*195*		µg/L	200.0		97.7		30-130					
Surrogate: 2-Fluorobiphenyl	*181*		µg/L	200.0		90.7		30-130					
Surrogate: 2,4,6-Tribromophenol	*458*		µg/L	400.0		**115**	*	15-110				S-07	
Surrogate: p-Terphenyl-d14	*207*		µg/L	200.0		104		30-130					
LCS Dup (B386266-BSD1)				Prepared & Analyzed: 09/17/24									
Acenaphthene	93.8	5.0	µg/L	100.0		93.8		40-140	8.03		20		
Acenaphthylene	99.2	5.0	µg/L	100.0		99.2		40-140	8.76		20		
Acetophenone	95.6	10	µg/L	100.0		95.6		40-140	7.94		20		
Aniline	88.6	20	µg/L	100.0		88.6		40-140	9.18		50	V-05	‡
Anthracene	106	5.0	µg/L	100.0		106		40-140	3.02		20		
Benzidine	68.6	20	µg/L	100.0		68.6		40-140	**42.3**	*	20	R-05, V-05	
Benzo(a)anthracene	105	5.0	µg/L	100.0		105		40-140	3.34		20		
Benzo(a)pyrene	110	5.0	µg/L	100.0		110		40-140	3.83		20		
Benzo(b)fluoranthene	110	5.0	µg/L	100.0		110		40-140	3.93		20		
Benzo(g,h,i)perylene	130	5.0	µg/L	100.0		130		40-140	1.73		20		
Benzo(k)fluoranthene	111	5.0	µg/L	100.0		111		40-140	5.31		20		
Benzoic Acid	13.2	20	µg/L	100.0		13.2		10-130	1.06		50	V-04, V-05	† ‡
Bis(2-chloroethoxy)methane	102	10	µg/L	100.0		102		40-140	6.63		20		
Bis(2-chloroethyl)ether	97.0	10	µg/L	100.0		97.0		40-140	9.08		20		
2,2'-oxybis(1-Chloropropane)	107	10	µg/L	100.0		107		40-140	9.29		20		
Bis(2-Ethylhexyl)phthalate	106	10	µg/L	100.0		106		40-140	6.23		20		
4-Bromophenylphenylether	105	10	µg/L	100.0		105		40-140	2.73		20		
Butylbenzylphthalate	118	10	µg/L	100.0		118		40-140	5.38		20		
Carbazole	109	10	µg/L	100.0		109		40-140	0.955		20		
4-Chloroaniline	108	10	µg/L	100.0		108		40-140	5.46		20		
4-Chloro-3-methylphenol	102	10	µg/L	100.0		102		30-130	8.09		20		
2-Chloronaphthalene	82.5	10	µg/L	100.0		82.5		40-140	5.39		20		
2-Chlorophenol	90.5	10	µg/L	100.0		90.5		30-130	6.63		20		
4-Chlorophenylphenylether	96.2	10	µg/L	100.0		96.2		40-140	7.30		20		
Chrysene	101	5.0	µg/L	100.0		101		40-140	3.73		20		
Dibenz(a,h)anthracene	123	5.0	µg/L	100.0		123		40-140	1.50		20		
Dibenzofuran	99.2	5.0	µg/L	100.0		99.2		40-140	7.17		20		
Di-n-butylphthalate	112	10	µg/L	100.0		112		40-140	5.90		20		
1,2-Dichlorobenzene	60.7	5.0	µg/L	100.0		60.7		40-140	14.6		20		
1,3-Dichlorobenzene	54.7	5.0	µg/L	100.0		54.7		40-140	15.6		20		
1,4-Dichlorobenzene	55.5	5.0	µg/L	100.0		55.5		40-140	17.2		20		
3,3-Dichlorobenzidine	71.0	10	µg/L	100.0		71.0		40-140	3.97		20		
2,4-Dichlorophenol	96.3	10	µg/L	100.0		96.3		30-130	7.70		20		
Diethylphthalate	105	10	µg/L	100.0		105		40-140	7.40		20		
2,4-Dimethylphenol	91.1	10	µg/L	100.0		91.1		30-130	6.18		20		
Dimethylphthalate	104	10	µg/L	100.0		104		40-140	8.25		50		‡
4,6-Dinitro-2-methylphenol	102	20	µg/L	100.0		102		30-130	3.23		50		‡
2,4-Dinitrophenol	92.8	10	µg/L	100.0		92.8		30-130	8.80		50	V-04	‡
2,4-Dinitrotoluene	110	10	µg/L	100.0		110		40-140	6.81		20		
2,6-Dinitrotoluene	127	10	µg/L	100.0		127		40-140	5.53		20		
Di-n-octylphthalate	124	10	µg/L	100.0		124		40-140	7.59		20	V-04	
1,2-Diphenylhydrazine/Azobenzene	112	10	µg/L	100.0		112		40-140	4.71		20		
Fluoranthene	108	5.0	µg/L	100.0		108		40-140	2.88		20		
Fluorene	99.8	5.0	µg/L	100.0		99.8		40-140	6.99		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 B386266 - SW-846 3510C												
LCS Dup (B386266-BSD1)				Prepared & Analyzed: 09/17/24								
Hexachlorobenzene	106	10	µg/L	100.0		106		40-140	4.93	20		
Hexachlorobutadiene	54.7	10	µg/L	100.0		54.7		40-140	17.9	20		
Hexachlorocyclopentadiene	83.9	10	µg/L	100.0		83.9		30-140	13.0	50		† ‡
Hexachloroethane	50.4	10	µg/L	100.0		50.4		40-140	17.5	50		‡
Indeno(1,2,3-cd)pyrene	136	5.0	µg/L	100.0		136		40-140	2.36	50		‡
Isophorone	108	10	µg/L	100.0		108		40-140	8.00	20		
1-Methylnaphthalene	84.2	5.0	µg/L	100.0		84.2		40-140	9.90	20		
2-Methylnaphthalene	81.2	5.0	µg/L	100.0		81.2		40-140	8.62	20		
2-Methylphenol	87.5	10	µg/L	100.0		87.5		30-130	7.31	20		
3/4-Methylphenol	84.9	10	µg/L	100.0		84.9		30-130	6.52	20		
Naphthalene	80.0	5.0	µg/L	100.0		80.0		40-140	10.2	20		
2-Nitroaniline	139	10	µg/L	100.0		139		40-140	6.06	20		
3-Nitroaniline	123	10	µg/L	100.0		123		40-140	6.24	20		
4-Nitroaniline	110	10	µg/L	100.0		110		40-140	4.11	20		
Nitrobenzene	98.1	10	µg/L	100.0		98.1		40-140	6.41	20		
2-Nitrophenol	107	10	µg/L	100.0		107		30-130	5.45	20		
4-Nitrophenol	51.4	10	µg/L	100.0		51.4		10-130	6.20	50	V-05	† ‡
N-Nitrosodimethylamine	55.2	10	µg/L	100.0		55.2		40-140	7.88	20		
N-Nitrosodiphenylamine/Diphenylamine	108	10	µg/L	100.0		108		40-140	2.85	20		
N-Nitrosodi-n-propylamine	96.6	10	µg/L	100.0		96.6		40-140	8.43	20		
Pentachloronitrobenzene	123	10	µg/L	100.0		123		40-140	2.22	20		
Pentachlorophenol	95.0	10	µg/L	100.0		95.0		30-130	0.724	50		‡
Phenanthrene	104	5.0	µg/L	100.0		104		40-140	2.67	20		
Phenol	49.7	10	µg/L	100.0		49.7		20-130	8.82	20		†
Pyrene	106	5.0	µg/L	100.0		106		40-140	5.97	20		
Pyridine	27.4	20	µg/L	100.0		27.4		10-140	31.7	50	V-34	† ‡
1,2,4,5-Tetrachlorobenzene	86.6	10	µg/L	100.0		86.6		40-140	8.27	20		
1,2,4-Trichlorobenzene	68.4	5.0	µg/L	100.0		68.4		40-140	12.3	20		
2,4,5-Trichlorophenol	106	10	µg/L	100.0		106		30-130	2.90	20		
2,4,6-Trichlorophenol	105	10	µg/L	100.0		105		30-130	4.90	50		‡
Surrogate: 2-Fluorophenol	*230*		µg/L	400.0		57.6		15-110				
Surrogate: Phenol-d6	*171*		µg/L	400.0		42.7		15-110				
Surrogate: Nitrobenzene-d5	*175*		µg/L	200.0		87.3		30-130				
Surrogate: 2-Fluorobiphenyl	*161*		µg/L	200.0		80.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*408*		µg/L	400.0		102		15-110				
Surrogate: p-Terphenyl-d14	*181*		µg/L	200.0		90.4		30-130				
Matrix Spike (B386266-MS1)		**Source: 24I1750-05**		Prepared & Analyzed: 09/17/24								
Acenaphthene	101	4.5	µg/L	90.91	ND	111		40-140				
Acenaphthylene	106	4.5	µg/L	90.91	ND	117		40-140				
Acetophenone	98.8	9.1	µg/L	90.91	ND	109		40-140				
Aniline	87.7	18	µg/L	90.91	ND	96.5		40-140			V-05	
Anthracene	111	4.5	µg/L	90.91	ND	122		40-140				
Benzidine	71.1	18	µg/L	90.91	ND	78.3		40-140			V-05	
Benzo(a)anthracene	112	4.5	µg/L	90.91	ND	124		40-140				
Benzo(a)pyrene	117	4.5	µg/L	90.91	ND	129		40-140				
Benzo(b)fluoranthene	114	4.5	µg/L	90.91	ND	126		40-140				
Benzo(g,h,i)perylene	138	4.5	µg/L	90.91	ND	**152**	*	40-140			MS-14	
Benzo(k)fluoranthene	117	4.5	µg/L	90.91	ND	129		40-140				
Benzoic Acid	17.6	18	µg/L	90.91	ND	**19.3**	*	40-140			MS-09, V-04, V-05	
Bis(2-chloroethoxy)methane	107	9.1	µg/L	90.91	ND	117		40-140				
Bis(2-chloroethyl)ether	103	9.1	µg/L	90.91	ND	114		40-140			R-06	

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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 B386266 - SW-846 3510C											
Matrix Spike (B386266-MS1)	**Source: 24I1750-05**			Prepared & Analyzed: 09/17/24							
2,2'-oxybis(1-Chloropropane)	114	9.1	µg/L	90.91	ND	125		40-140			
Bis(2-Ethylhexyl)phthalate	113	9.1	µg/L	90.91	8.39	115		40-140			
4-Bromophenylphenylether	108	9.1	µg/L	90.91	ND	119		40-140			
Butylbenzylphthalate	121	9.1	µg/L	90.91	ND	134		40-140			
Carbazole	113	9.1	µg/L	90.91	ND	124		40-140			
4-Chloroaniline	111	9.1	µg/L	90.91	ND	122		40-140			
4-Chloro-3-methylphenol	104	9.1	µg/L	90.91	ND	114		30-130			
2-Chloronaphthalene	87.2	9.1	µg/L	90.91	ND	96.0		40-140			
2-Chlorophenol	93.8	9.1	µg/L	90.91	ND	103		30-130			
4-Chlorophenylphenylether	99.6	9.1	µg/L	90.91	ND	110		40-140			
Chrysene	106	4.5	µg/L	90.91	ND	117		40-140			
Dibenz(a,h)anthracene	131	4.5	µg/L	90.91	ND	**144**	*	40-140			MS-14
Dibenzofuran	104	4.5	µg/L	90.91	ND	114		40-140			
Di-n-butylphthalate	117	9.1	µg/L	90.91	0.473	128		40-140			
1,2-Dichlorobenzene	62.2	4.5	µg/L	90.91	ND	68.5		40-140			
1,3-Dichlorobenzene	56.5	4.5	µg/L	90.91	ND	62.1		40-140			
1,4-Dichlorobenzene	58.5	4.5	µg/L	90.91	ND	64.4		40-140			
3,3-Dichlorobenzidine	76.8	9.1	µg/L	90.91	ND	84.4		40-140			
2,4-Dichlorophenol	102	9.1	µg/L	90.91	ND	112		30-130			
Diethylphthalate	109	9.1	µg/L	90.91	ND	120		40-140			
2,4-Dimethylphenol	95.1	9.1	µg/L	90.91	ND	105		30-130			
Dimethylphthalate	110	9.1	µg/L	90.91	ND	122		40-140			
4,6-Dinitro-2-methylphenol	106	18	µg/L	90.91	ND	117		30-130			
2,4-Dinitrophenol	108	9.1	µg/L	90.91	ND	119		30-130			V-04
2,4-Dinitrotoluene	113	9.1	µg/L	90.91	ND	124		40-140			
2,6-Dinitrotoluene	131	9.1	µg/L	90.91	ND	**144**	*	40-140			MS-14
Di-n-octylphthalate	139	9.1	µg/L	90.91	ND	**153**	*	40-140			MS-14, V-04
1,2-Diphenylhydrazine/Azobenzene	117	9.1	µg/L	90.91	ND	129		40-140			
Fluoranthene	113	4.5	µg/L	90.91	ND	125		40-140			
Fluorene	105	4.5	µg/L	90.91	ND	116		40-140			
Hexachlorobenzene	112	9.1	µg/L	90.91	ND	123		40-140			
Hexachlorobutadiene	52.5	9.1	µg/L	90.91	ND	57.7		40-140			
Hexachlorocyclopentadiene	82.2	9.1	µg/L	90.91	ND	90.4		30-130			
Hexachloroethane	49.7	9.1	µg/L	90.91	ND	54.7		40-140			
Indeno(1,2,3-cd)pyrene	146	4.5	µg/L	90.91	ND	**161**	*	40-140			MS-14
Isophorone	114	9.1	µg/L	90.91	ND	125		40-140			
1-Methylnaphthalene	85.9	4.5	µg/L	90.91	ND	94.5		40-140			
2-Methylnaphthalene	81.6	4.5	µg/L	90.91	ND	89.8		40-140			
2-Methylphenol	86.8	9.1	µg/L	90.91	ND	95.5		30-130			
3/4-Methylphenol	83.9	9.1	µg/L	90.91	ND	92.3		30-130			
Naphthalene	82.1	4.5	µg/L	90.91	ND	90.3		40-140			
2-Nitroaniline	144	9.1	µg/L	90.91	ND	**159**	*	40-140			MS-11
3-Nitroaniline	127	9.1	µg/L	90.91	ND	140		40-140			
4-Nitroaniline	114	9.1	µg/L	90.91	ND	125		40-140			
Nitrobenzene	105	9.1	µg/L	90.91	ND	116		40-140			
2-Nitrophenol	109	9.1	µg/L	90.91	ND	120		30-130			
4-Nitrophenol	49.4	9.1	µg/L	90.91	ND	54.3		30-130			V-05
N-Nitrosodimethylamine	55.3	9.1	µg/L	90.91	ND	60.8		40-140			R-06
N-Nitrosodiphenylamine/Diphenylamine	114	9.1	µg/L	90.91	ND	125		40-140			
N-Nitrosodi-n-propylamine	99.8	9.1	µg/L	90.91	ND	110		40-140			
Pentachloronitrobenzene	123	9.1	µg/L	90.91	ND	135		40-140			
Pentachlorophenol	101	9.1	µg/L	90.91	ND	111		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 B386266 - SW-846 3510C												
Matrix Spike (B386266-MS1)		**Source: 24I1750-05**		Prepared & Analyzed: 09/17/24								
Phenanthrene	109	4.5	µg/L	90.91	ND	120		40-140				
Phenol	50.5	9.1	µg/L	90.91	ND	55.6		30-130				
Pyrene	111	4.5	µg/L	90.91	ND	123		40-140				
Pyridine	26.0	18	µg/L	90.91	ND	**28.6**	*	40-140				MS-09, V-34
1,2,4,5-Tetrachlorobenzene	91.1	9.1	µg/L	90.91	ND	100		40-140				
1,2,4-Trichlorobenzene	67.9	4.5	µg/L	90.91	ND	74.7		40-140				
2,4,5-Trichlorophenol	111	9.1	µg/L	90.91	ND	122		30-130				
2,4,6-Trichlorophenol	112	9.1	µg/L	90.91	ND	123		30-130				
Surrogate: 2-Fluorophenol	*226*		µg/L	363.6		62.0		15-110				
Surrogate: Phenol-d6	*160*		µg/L	363.6		43.9		15-110				
Surrogate: Nitrobenzene-d5	*181*		µg/L	181.8		99.7		30-130				
Surrogate: 2-Fluorobiphenyl	*173*		µg/L	181.8		94.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*425*		µg/L	363.6		**117**	*	15-110				S-07
Surrogate: p-Terphenyl-d14	*190*		µg/L	181.8		104		30-130				
Matrix Spike Dup (B386266-MSD1)		**Source: 24I1750-05**		Prepared & Analyzed: 09/17/24								
Acenaphthene	92.5	4.6	µg/L	92.59	ND	99.9		40-140	8.50		30	
Acenaphthylene	97.2	4.6	µg/L	92.59	ND	105		40-140	8.91		30	
Acetophenone	79.4	9.3	µg/L	92.59	ND	85.7		40-140	21.8		30	
Aniline	70.1	19	µg/L	92.59	ND	75.7		40-140	22.3		30	V-05
Anthracene	99.8	4.6	µg/L	92.59	ND	108		40-140	10.6		30	
Benzidine	89.8	19	µg/L	92.59	ND	96.9		40-140	23.1		30	V-05
Benzo(a)anthracene	101	4.6	µg/L	92.59	ND	109		40-140	10.5		30	
Benzo(a)pyrene	105	4.6	µg/L	92.59	ND	113		40-140	11.1		30	
Benzo(b)fluoranthene	102	4.6	µg/L	92.59	ND	110		40-140	11.7		30	
Benzo(g,h,i)perylene	121	4.6	µg/L	92.59	ND	130		40-140	13.4		30	
Benzo(k)fluoranthene	103	4.6	µg/L	92.59	ND	112		40-140	12.2		30	
Benzoic Acid	15.0	19	µg/L	92.59	ND	**16.2**	*	40-140	15.9		30	MS-09, V-04, V-05
Bis(2-chloroethoxy)methane	87.4	9.3	µg/L	92.59	ND	94.4		40-140	19.7		30	
Bis(2-chloroethyl)ether	74.2	9.3	µg/L	92.59	ND	80.1		40-140	**32.7**	*	30	R-06
2,2'-oxybis(1-Chloropropane)	85.4	9.3	µg/L	92.59	ND	92.2		40-140	28.3		30	
Bis(2-Ethylhexyl)phthalate	106	9.3	µg/L	92.59	8.39	105		40-140	6.53		30	
4-Bromophenylphenylether	97.3	9.3	µg/L	92.59	ND	105		40-140	10.4		30	
Butylbenzylphthalate	112	9.3	µg/L	92.59	ND	121		40-140	8.21		30	
Carbazole	103	9.3	µg/L	92.59	ND	111		40-140	9.21		30	
4-Chloroaniline	95.6	9.3	µg/L	92.59	ND	103		40-140	15.2		30	
4-Chloro-3-methylphenol	96.6	9.3	µg/L	92.59	ND	104		30-130	7.40		30	
2-Chloronaphthalene	76.8	9.3	µg/L	92.59	ND	82.9		40-140	12.8		30	
2-Chlorophenol	71.1	9.3	µg/L	92.59	ND	76.8		30-130	27.5		30	
4-Chlorophenylphenylether	91.9	9.3	µg/L	92.59	ND	99.2		40-140	8.05		30	
Chrysene	94.3	4.6	µg/L	92.59	ND	102		40-140	11.6		30	
Dibenz(a,h)anthracene	114	4.6	µg/L	92.59	ND	123		40-140	13.5		30	
Dibenzofuran	95.4	4.6	µg/L	92.59	ND	103		40-140	8.20		30	
Di-n-butylphthalate	109	9.3	µg/L	92.59	0.473	117		40-140	6.87		30	
1,2-Dichlorobenzene	52.2	4.6	µg/L	92.59	ND	56.3		40-140	17.6		30	
1,3-Dichlorobenzene	47.6	4.6	µg/L	92.59	ND	51.4		40-140	17.0		30	
1,4-Dichlorobenzene	48.7	4.6	µg/L	92.59	ND	52.6		40-140	18.4		30	
3,3-Dichlorobenzidine	67.8	9.3	µg/L	92.59	ND	73.2		40-140	12.4		30	
2,4-Dichlorophenol	86.8	9.3	µg/L	92.59	ND	93.7		30-130	16.3		30	
Diethylphthalate	101	9.3	µg/L	92.59	ND	109		40-140	7.24		30	
2,4-Dimethylphenol	81.2	9.3	µg/L	92.59	ND	87.7		30-130	15.7		30	
Dimethylphthalate	100	9.3	µg/L	92.59	ND	108		40-140	9.69		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 B386266 - SW-846 3510C												
Matrix Spike Dup (B386266-MSD1)	**Source: 24I1750-05**			Prepared & Analyzed: 09/17/24								
4,6-Dinitro-2-methylphenol	98.5	19	µg/L	92.59	ND	106		30-130	7.42		30	
2,4-Dinitrophenol	97.3	9.3	µg/L	92.59	ND	105		30-130	10.8		30	V-04
2,4-Dinitrotoluene	105	9.3	µg/L	92.59	ND	114		40-140	7.05		30	
2,6-Dinitrotoluene	120	9.3	µg/L	92.59	ND	129		40-140	9.40		30	
Di-n-octylphthalate	129	9.3	µg/L	92.59	ND	139		40-140	7.42		30	V-04
1,2-Diphenylhydrazine/Azobenzene	105	9.3	µg/L	92.59	ND	114		40-140	10.7		30	
Fluoranthene	104	4.6	µg/L	92.59	ND	112		40-140	8.86		30	
Fluorene	96.3	4.6	µg/L	92.59	ND	104		40-140	9.00		30	
Hexachlorobenzene	99.8	9.3	µg/L	92.59	ND	108		40-140	11.3		30	
Hexachlorobutadiene	55.5	9.3	µg/L	92.59	ND	59.9		40-140	5.54		30	
Hexachlorocyclopentadiene	75.6	9.3	µg/L	92.59	ND	81.7		30-130	8.26		30	
Hexachloroethane	45.7	9.3	µg/L	92.59	ND	49.3		40-140	8.50		30	
Indeno(1,2,3-cd)pyrene	128	4.6	µg/L	92.59	ND	138		40-140	13.2		30	
Isophorone	97.2	9.3	µg/L	92.59	ND	105		40-140	15.8		30	
1-Methylnaphthalene	79.4	4.6	µg/L	92.59	ND	85.7		40-140	7.95		30	
2-Methylnaphthalene	75.5	4.6	µg/L	92.59	ND	81.5		40-140	7.81		30	
2-Methylphenol	73.2	9.3	µg/L	92.59	ND	79.1		30-130	16.9		30	
3/4-Methylphenol	73.7	9.3	µg/L	92.59	ND	79.6		30-130	12.9		30	
Naphthalene	72.2	4.6	µg/L	92.59	ND	78.0		40-140	12.8		30	
2-Nitroaniline	133	9.3	µg/L	92.59	ND	**143**	*	40-140	8.37		30	MS-11
3-Nitroaniline	119	9.3	µg/L	92.59	ND	128		40-140	6.86		30	
4-Nitroaniline	105	9.3	µg/L	92.59	ND	114		40-140	7.98		30	
Nitrobenzene	80.9	9.3	µg/L	92.59	ND	87.4		40-140	25.9		30	
2-Nitrophenol	89.4	9.3	µg/L	92.59	ND	96.6		30-130	20.1		30	
4-Nitrophenol	46.8	9.3	µg/L	92.59	ND	50.5		30-130	5.36		30	V-05
N-Nitrosodimethylamine	38.3	9.3	µg/L	92.59	ND	41.3		40-140	**36.3**	*	30	R-06
N-Nitrosodiphenylamine/Diphenylamine	100	9.3	µg/L	92.59	ND	108		40-140	12.7		30	
N-Nitrosodi-n-propylamine	82.7	9.3	µg/L	92.59	ND	89.3		40-140	18.7		30	
Pentachloronitrobenzene	113	9.3	µg/L	92.59	ND	122		40-140	8.01		30	
Pentachlorophenol	90.9	9.3	µg/L	92.59	ND	98.2		30-130	10.1		30	
Phenanthrene	97.0	4.6	µg/L	92.59	ND	105		40-140	11.3		30	
Phenol	41.0	9.3	µg/L	92.59	ND	44.3		30-130	20.9		30	
Pyrene	99.9	4.6	µg/L	92.59	ND	108		40-140	10.9		30	
Pyridine	23.6	19	µg/L	92.59	ND	**25.5**	*	40-140	9.85		30	MS-09, V-34
1,2,4,5-Tetrachlorobenzene	82.8	9.3	µg/L	92.59	ND	89.4		40-140	9.57		30	
1,2,4-Trichlorobenzene	62.3	4.6	µg/L	92.59	ND	67.3		40-140	8.52		30	
2,4,5-Trichlorophenol	99.3	9.3	µg/L	92.59	ND	107		30-130	11.3		30	
2,4,6-Trichlorophenol	101	9.3	µg/L	92.59	ND	109		30-130	10.1		30	
Surrogate: 2-Fluorophenol	*163*		µg/L	370.4		44.0		15-110				
Surrogate: Phenol-d6	*132*		µg/L	370.4		35.7		15-110				
Surrogate: Nitrobenzene-d5	*142*		µg/L	185.2		76.5		30-130				
Surrogate: 2-Fluorobiphenyl	*148*		µg/L	185.2		79.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*386*		µg/L	370.4		104		15-110				
Surrogate: p-Terphenyl-d14	*169*		µg/L	185.2		91.4		30-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B387414 - SW-846 3005A										
Blank (B387414-BLK1)				Prepared & Analyzed: 09/26/24						
Chromium	ND	5.0	µg/L							
Blank (B387414-BLK2)				Prepared: 09/26/24 Analyzed: 09/30/24						
Copper	ND	5.0	µg/L							
Nickel	ND	5.0	µg/L							
LCS (B387414-BS1)				Prepared & Analyzed: 09/26/24						
Chromium	567	50	µg/L	500.0		113	80-120			
LCS (B387414-BS2)				Prepared: 09/26/24 Analyzed: 09/30/24						
Copper	1070	50	µg/L	1000		107	80-120			
Nickel	536	50	µg/L	500.0		107	80-120			
LCS Dup (B387414-BSD1)				Prepared & Analyzed: 09/26/24						
Chromium	554	50	µg/L	500.0		111	80-120	2.33	20	
LCS Dup (B387414-BSD2)				Prepared: 09/26/24 Analyzed: 09/30/24						
Copper	1010	50	µg/L	1000		101	80-120	5.98	20	
Nickel	499	50	µg/L	500.0		99.8	80-120	7.19	20	

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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 B386749 - SW-846 3005A Dissolved										
Blank (B386749-BLK1)				Prepared & Analyzed: 09/20/24						
Chromium	ND	5.0	µg/L							
Copper	ND	5.0	µg/L							
Nickel	ND	5.0	µg/L							
LCS (B386749-BS1)				Prepared & Analyzed: 09/20/24						
Chromium	21.5	5.0	µg/L	20.00		108	80-120			
Copper	39.1	5.0	µg/L	40.00		97.7	80-120			
Nickel	20.1	5.0	µg/L	20.00		100	80-120			
Duplicate (B386749-DUP1)		**Source: 24I1750-01**		Prepared & Analyzed: 09/20/24						
Chromium	ND	5.0	µg/L		ND			NC	20	
Copper	18.7	5.0	µg/L		18.5			1.32	20	
Nickel	1100	5.0	µg/L		1100			0.660	20	
Matrix Spike (B386749-MS1)		**Source: 24I1750-01**		Prepared & Analyzed: 09/20/24						
Chromium	26.4	6.2	µg/L	25.00	ND	106	75-125			
Copper	70.0	6.2	µg/L	50.00	18.5	103	75-125			
Nickel	1130	6.2	µg/L	25.00	1100	110	75-125			

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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-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.
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-11	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-14	Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side 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.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
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 6020B in Water	
Chromium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,ME,VA,NC
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
2,2'-oxybis(1-Chloropropane)	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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NC	North Carolina Div. of Water Quality	652	12/31/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

24I1750

Pace Analytical

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page ____ of ____

Company Name: Goldman Environmental Consul
Address: 100 Grandview Rd, Braintree MA, 02184
Phone: 781-356-9140
Project Name: [illegible]
Project Location: West Babylon, NY
Project Number: 1744-415.0
Project Manager: Matt Perrotti
Pace Quote Name/Number:
Invoice Recipient: Matt Perrotti
Sampled By: Ken McDonald

Requested Turnaround Time			
7-Day	☐	10-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:	Ken McDonald; Matt Perrotti
Work#:	Brian Butler

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	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	SVOC's (8270 LID)	Nickel (6010C/6020B)	Cu/Cr/N. (6010C/6020B)
1	MW-2	13:12	9/10/24	G	GW				1			X	X	
2	MW-4	12:16	9/10/24						1			X	X	
3	MW-5R	14:08	9/10/24						1			X	X	
4	MW-12	14:02	9/11/24						1				X	
5	MW-19	12:52	9/11/24					2				X		
4	Matrix Spike	14:02	9/10/24					2	1			X	X	
6	M.S-Duplicate	14:02	9/10/24	↓	↓			2	1			X	X	

Relinquished by: (signature) — Date/Time: 9/13/24 1215
Received by: (signature) — Date/Time: 9/13/24 1215
Relinquished by: (signature) — Date/Time: 9-13-24 1645
Received by: (signature) — Date/Time: 9-13-24 1845
Relinquished by: (signature) — Date/Time: 9-13-24 2050
Received by: (signature) — Date/Time: 9/13 2039
Relinquished by: (signature) — Date/Time:
Received by: (signature) — Date/Time:

Client Comments: NYDEC Standards & Forms

Detection Limit Requirements	
MA	
CT	
Other:	

Special Requirements	
☐	MA MCP Required
	MCP Certification Form Required
☐	CT RCP Required
	RCP Certification Form Required
☐	MA State DW Required
PWSID #	

NELAC and AIHA-LAP, LLC Accredited

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS____
GLASS 6
PLASTIC 6
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)

Comments:
MS/MSD for sample -05, do not run metals on -05, no PAHs on sample -04 9/16/24 KF

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.

Table of Contents

DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

Log In Back-Sheet

Client: Gold Mun Environmental

Project: Linger

MCP/RCP Required: NA

Deliverable Package Requirement: NA

Location: West Bend Lab NA

PWSID# (When Applicable): NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time: MEM 9/11/24 2030

Back-Sheet By / Date / Time: JA 9/16/24 1207

Temperature Method: Gun #6

WV samples: Yes (see note*) / ~~No (follow normal procedure)~~

Temp ☑ < 6° C Actual Temperature: 4

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Received Double Volume For MS/MSD

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 v08_Sample Receiving Checklist
Pace ANALYTICAL SERVICES	Effective Date: 06/11/2024

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	2	2														
Unpreserved	1 Liter	Plastics																				
Sulfuric																						
Unpreserved	500mL																					
Sulfuric																						
Unpreserved	250mL																					
Trizma																						
Sulfuric																						
Nitric			—	—	1	2		1														
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved		VOA Vials																				
HCl						1	2															
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact		Other / Fill in																				