DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

Old Bethpage Landfill

Post-Termination Groundwater Monitoring Program

First Semiannual Report of 2025

August 2025

D&B Engineers and Architects

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FIRST SEMIANNUAL REPORT OF 2025

OLD BETHPAGE LANDFILL
POST-TERMINATION GROUNDWATER MONITORING PROGRAM

Prepared for:

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
NASSAU COUNTY, NEW YORK

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AUGUST 2025

FIRST SEMIANNUAL REPORT OF 2025
OLD BETHPAGE LANDFILL
POST-TERMINATION GROUNDWATER MONITORING PROGRAM

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1.0 INTRODUCTION

This First Semiannual Report of 2025 was prepared at the request of the Town of Oyster Bay to summarize and evaluate the data collected for the Post-Termination Groundwater Monitoring Program at the Old Bethpage Landfill. The monitoring was completed in accordance with the requirements of the Protocols for Sampling Groundwater under the Old Bethpage Solid Waste Disposal Complex Remedial Action Plan (RAP) prepared by Geraghty & Miller, Appendix I of the 1988 Record of Decision (New York State Department of Environmental Conservation [NYSDEC] and the United States Environmental Protection Agency [USEPA]). The purpose of the Post-Termination Groundwater Monitoring Program is to assess whether the termination criteria set forth in the RAP continues to be met following shutdown of the recovery wells RW-1 and RW-2.

Note that this report describes the first semiannual groundwater sampling event of 2025 and is the seventeenth sampling round and report completed under the Post-Termination Groundwater Monitoring Program. In an October 7, 2016 letter, the NYSDEC approved the shutdown of recovery wells RW-1 and RW-2 and to enter Post-Termination Monitoring under the Final Consent Decree. As described in the NYSDEC letter, Post-Termination Monitoring was to be performed semi-annually for three years, for a total of six rounds. A Final Post Termination Groundwater Monitoring Report which summarized the initial six sampling rounds completed between 2017 and 2019 was prepared and submitted to the NYSDEC in March 2020. This final report evaluated whether the termination criteria described in Appendix A, Section III of the Consent Decree have been met. The findings of this report indicate that the termination criteria have sufficiently been met and there is no benefit in continuing the operation of recovery wells RW-1 and RW-2 and it was recommended that these wells remain shut down. Until a formal response is received upon the NYSDEC review of the report, the Town will continue with current protocols. This seventeenth sampling round will serve as a continuation of the Post Termination Monitoring period.

2.0 COMPLETED SCOPE OF WORK

The scope of work for the Post-Termination Groundwater Monitoring Program includes the sampling of 13 groundwater monitoring wells as described below. In accordance with the October 7, 2016 letter from the NYSDEC, hydraulic monitoring is not a Town responsibility under this program, including the collection of synoptic water levels and mapping of groundwater flow.

2.1 Groundwater Sampling Procedures

In accordance with the October 7, 2016 letter from the NYSDEC, monitoring wells LF-1, LF-2, MW-05B, MW-06A, MW-06B, MW-06C, MW-06E, MW-06F, MW-08A, MW-08B, MW-09B, MW-09C and OBS-1 were sampled on May 27 through 30, 2025 as part of the first semiannual groundwater sampling event. The locations of these monitoring wells are depicted in **Figure 1**.

Prior to collecting groundwater samples, the monitoring wells were purged to remove standing water in the well. Well purging was accomplished by first measuring the static water level in the well and calculating the volume of standing water. All monitoring wells were purged utilizing a non-dedicated submersible pump, with the pump intake placed just below (approximately 5 feet) the static water level in each well. All down-well equipment was decontaminated before use and after sampling each well.

Field measurements of pH, temperature, specific conductivity, turbidity, dissolved oxygen and oxidation-reduction potential (ORP) were observed and recorded during the purging process. When the values of the field parameters stabilized within 10%, the turbidity of the groundwater was less than 50 Nephelometric Turbidity Units (NTUs) and at least three well volumes had been removed, well purging was considered complete. Field observations and measurements were documented on the well sampling logs, provided in **Appendix A**.

After well purging was complete, the flow rate was reduced, and groundwater samples were collected at a low flow rate of approximately 500 ml/minute or less directly from the pump

discharge tubing. Samples for volatile organic compounds (VOC) analysis were collected first, followed by other parameters. Each sample was labeled with the well number, time and date, and stored in an ice-filled cooler with the chain of custody forms. Samples were delivered to the laboratory on a daily basis. Quality Assurance/Quality Control (QA/QC) samples were also collected and analyzed, including one field blank, one field duplicate, and daily trip blanks. The chain of custody forms are provided in **Appendix B**.

2.2 Sample Analyses

Groundwater samples collected during the first semiannual groundwater sampling event of 2025 from the monitoring wells were analyzed for VOCs, total and dissolved metals, and leachate indicators. Laboratory analyses were performed by Pace Analytical Laboratories, located in Melville, New York (Pace Analytical). This laboratory is approved under the New York State Department of Health Environmental Laboratory Approval Program (ELAP) for the analyses performed. Filtering of the samples for dissolved metals analysis was performed in the field using in-line 0.45-micron disposable filters.

The analytical results are summarized in **Table 1** for VOCs, **Table 2** for total and dissolved metals and **Table 3** for leachate indicators. The results are discussed below in **Section 3.0.**

3.0 DISCUSSION OF RESULTS

3.1 Data Validation

Thirteen (13) groundwater samples, one field duplicate, one field blank and five trip blanks were collected as part of the first semiannual groundwater sampling event of 2025 performed at the Old Bethpage Landfill under the Post-Termination Groundwater Monitoring Program. All samples were analyzed for VOCs, total and dissolved metals, and leachate indicators. Sample analysis was performed in accordance with SW-846 methods. The laboratory analysis was performed by Pace Analytical Laboratories, located in Melville, New York, and was reported in data package 70356901.

The data packages submitted by the analytical laboratory were validated in accordance with NYSDEC quality assurance/quality control (QA/QC) requirements. The Data Validation Checklists are provided in **Appendix C**. The laboratory data package is provided in **Appendix D**. The following qualification of the data was required based on the findings of the data validation:

- The percent recoveries (%Rs) were below the QC limit in the LCS for 1,1,1-trichloroethane associated with samples OBS-1, MW-09C, MW-09B, MW-05B, BLIND DUPLICATE-1, TRIP BLANK 5/27, LF-2, LF-1, MW-08B, MW-08A, and TRIP BLANK 5/28; cis-1,2-dichloroethene associated with samples MW-06B, MW-06C, MW-06F, and MW-06A and 1,1-dichloroethane associated with samples MW-06E, TRIP BLANK 5/29, FIELD BLANK, and TRIP BLANK 5/30. The VOCs were qualified as an estimated limit (UJ) in associated samples.

- Dissolved copper was detected in the method blank and was qualified as non-detect (UB) in samples LF-2, MW-06A, MW-06B, MW-06C, and MW-06F.

- The %R was below the QC limit in the spike for total mercury associated with sample OBS-1, MW-09C, MW-09B, MW-05B, BLIND DUPLICATE-1, LF-2, and LF-1 and was qualified as an estimated limit (UJ).

- The serial dilution %Ds were above the QC limits for total calcium, magnesium, and sodium associated with samples MW-06A, MW-06B, MW-06C, MW-06E, MW-06F, and Field Blank and were qualified as estimated (J).

- The following metals were qualified as estimated (J) based on total and dissolved results: total and dissolved calcium, manganese, potassium, sodium, and the sum of iron and manganese in sample MW-08A.

- The total hexavalent chromium was analyzed outside of the holding time requirement for samples FIELD BLANK, LF-1, LF-2, MW-06A, MW-06B, MW-06C, MW-06E, MW-06F, MW-08B, and OBS-1. They were qualified as an estimated limit (UJ).

- Cyanide was detected in the Field Blank and was qualified as non-detect (UB) in samples LF-2, MW-08A, MW-08B, and MW-09B.

- The relative percent difference (RPD) was above the QC limit in the duplicate for matrix spike for nitrogen, kjeldahl, total associated with all samples. It was qualified as estimated (J/UJ) in associated samples.

- The MS %Rs were above the QC limits, detected and qualified as estimated bias high (JH): alkalinity, total in samples OBS-1, MW-09C, MW-09B, MW-05B, and BLIND DUPLICATE-1; nitrogen, kjeldahl, total in samples LF-1, LF-2, MW-06B, MW-06C, MW-06E, MW-08A MW-09C, and OBS-1; and ammonia in samples OBS-1, MW-09C, MW-09B, LF-2, LF-1, and MW-08B.

- The MS %Rs were below the QC limits for alkalinity, carbonate associated with all samples except sample LF-2; and total hexavalent chromium associated with samples MW-06B, MW-06E, and MW-06C. These compounds were qualified as an estimated limit (UJ) in associated samples.

No other issues were found with the sample results and all results are deemed valid and usable for environmental assessment purposes as qualified above.

3.2 Groundwater Results

The analytical results for the first semiannual groundwater sampling event of 2025 are summarized in **Table 1** for VOCs, **Table 2** for total and dissolved metals and **Table 3** for leachate indicators. Analytical parameters are compared to the NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA groundwater (herein referred to as the Class GA groundwater standards and guidance values). Figures presenting exceedances of the Class GA groundwater standards and guidance values detected during the last four rounds of sampling are presented as **Figure 2** for VOCs, **Figure 3** for total and dissolved metals, and **Figure 4** for leachate indicators.

3.2.1 Volatile Organic Compounds

VOCs were detected at concentrations above Class GA groundwater standards and guidance values in wells LF-2, MW-06B, MW-06C and MW-08A, as follows:

- Benzene was detected in LF-2 and MW-06C at concentrations of 3.1 and 1.1 ug/l, respectively, above the Class GA standard of 1 ug/l.
- Chlorobenzene was detected in MW-06B at a concentration of 8.4 ug/l, above the Class GA standard of 5 ug/l.
- Cis-1,2-dichloroethylene was detected in MW-08A at a concentration of 10.4 ug/l, above the Class GA standard of 5 ug/l.
- Isopropylbenzene (Cumene) was detected in LF-2 at a concentration of 9.6 ug/l, above the Class GA standard of 5 ug/l.
- Trichloroethylene (PCE) was detected in MW-08A at a concentration of 7.8 ug/l, above the Class GA standard of 5 ug/l.

3.2.2 Inorganic Parameters

Iron, manganese and sodium were detected above groundwater standards in either total and/or dissolved samples, as described below.

- Total iron was detected above the Class GA groundwater standard of 300 ug/l in 5 of the 13 groundwater monitoring wells (LF-1, LF-2, MW-06B, MW-06C and MW-06E), with concentrations ranging from 7,260 ug/l in MW-06C to a maximum concentration of 25,800 ug/l in MW-06B. Dissolved iron concentrations were lower in comparison to their respective total concentrations in the wells exhibiting exceedances of the groundwater standard.
- Total manganese was detected above the Class GA groundwater standard of 300 ug/l in 6 of the 13 groundwater monitoring wells (LF-1, MW-05B, MW-08B, MW-09B, MW-09C and OBS-1), with concentrations ranging from 342 ug/l in MW-09C to a maximum concentration of 2,770 ug/l in OBS-1. Dissolved manganese concentrations were lower in comparison to their respective total concentrations in the wells exhibiting exceedances of the groundwater standard.
- Total iron and total manganese was detected above the combined Class GA groundwater standard of 500 ug/l in 9 of the 13 groundwater wells (LF-1, LF-2, MW-

05B, MW-06B, MW-06C, MW-06E, MW-08B, MW-09B and OBS-1), with concentrations ranging from 522 ug/l in MW-08B to a maximum concentration of 25,856 ug/l in MW-06B.

- Total sodium was detected above the Class GA groundwater standard of 20,000 ug/l in all groundwater monitoring wells, with the exception of MW-06A. Sodium concentrations which exceeded the Class GA groundwater standard, ranged from 22,600 ug/l in MW-08A to a maximum of 432,000 ug/l in LF-2. In general, dissolved sodium concentrations were similar to their respective total concentrations.

3.2.3 Leachate Indicators

Ammonia, chloride, total phenols, and total dissolved solids were detected above groundwater standards in the collected samples, as follows:

- Ammonia was detected above the Class GA groundwater standard of 2 mg/l in 6 of the 13 groundwater monitoring wells (LF-2, MW-06B, MW-06C, MW-06E, MW-09C and OBS-1) with concentrations ranging from 2.5 mg/l in MW-09C to a maximum of 175 mg/l in LF-2.

- Chloride was detected above the Class GA groundwater standard of 250 mg/l in 3 of the 13 groundwater monitoring wells, with a concentration of 367 mg/l in LF-2, 523 mg/l in MW06F and 292 mg/l in OBS-1.

- Total phenols were detected above the Class GA groundwater standard of 0.001 mg/l in 2 of the 13 groundwater monitoring wells, with a concentration of 0.0458 mg/l in MW-06F and 0.0118 mg/l in MW-08A.

- Total dissolved solids (TDS) were detected above the Class GA groundwater standard of 500 mg/l in 5 of the 13 groundwater monitoring wells (LF-2, MW-06B, MW-06C, MW-06E and MW-06F), with concentrations ranging from 560 mg/l in MW-06E to a maximum of 1,840 mg/l at MW-06C.

3.3 Historical Groundwater Trends

Since the objective of the Post-Termination monitoring period (2017 through present) is to assess the impacts of ceasing operation of recovery wells RW-1 and RW-2 (well pumps are out of service but the wells remain in place for potential future use), D&B performed an interim trend analysis using the results from the seventeenth post-termination groundwater rounds, as well as

for comparison purposes, six existing rounds of operational monitoring conducted in calendar years 2015 and 2016. As part of evaluating changes in groundwater quality during the time period described above, historical graphs depicting trend lines have been prepared for total volatile organic compounds (TVOCs), inorganic parameters and leachate indicators. These graphs are presented in **Appendix E**. It should be noted that for inorganic parameters and leachate indicators, historical graphs and trend lines were prepared for selected constituents which have exhibited concentrations exceeding NYSDEC Class GA groundwater standards or guidance values. Previously collected post-termination groundwater data is provided in **Appendix F**. The following provides a brief discussion of the trend analysis.

3.3.1 Volatile Organic Compounds

Based on a review of the data, 8 of the 13 monitoring wells, MW-05B, MW-06A, MW-06E, MW-06F, MW-08B, MW-09B, MW-09C and OBS-1, in general have shown relatively stable concentrations of TVOCs since ceasing operation of the recovery wells RW-1 and RW-2. Monitoring well LF-1 exhibited an increase in VOC concentrations in 2021-2022 which has since quickly decreased. Since May of 2023, which includes the last four rounds of sampling, TVOCs in LF-1 were detected at 3 ug/l or less. TVOCs in well LF-2 range from non-detect to a maximum of 28 ug/l detected in May 2021. During this sampling event TVOCs in LF-2 (22.1 ug/l) remain within the range of historical post termination sampling results (2017-present), for this well. In general, TVOCs detected in monitoring wells MW-06C and MW-06B are currently higher than those detected immediately following the shutdown of recovery wells RW-1 and RW-2. However, TVOC concentrations detected in these monitoring wells during the May 2025 sampling event, remained within the range of non-detect to 12 ug/l for MW-06C and 2-30 ug/l for MW-06B. In general, TVOC concentrations in MW-08A had been increasing until the October 2020 sampling event, after which an overall decreasing trend has been observed. It should be noted that the increasing TVOC trend in MW-08A was most likely due to the former Claremont Polychemical Site and not related to the landfill.

3.3.2 Inorganic Parameters

Historical graphs and trend lines have been established for the following inorganic parameters: iron, manganese, and sodium. In general, these parameters exhibited either a decreasing or flat trend in all or nearly all of the wells, with the exception of the following:

- Well LF-2 shows a slight increasing trend in iron concentrations since the Fall of 2018.
- Well MW-06B shows a slight increasing trend in iron concentrations since the Fall of 2021.
- Well MW-06C shows a slight increasing trend in manganese concentrations since the Fall of 2019.
- Well MW-06F shows a slight increasing trend in sodium concentrations since the Fall of 2018.

It should be noted that iron, manganese and sodium are naturally occurring in the groundwater aquifers on Long Island and these concentrations detected in the monitoring wells downgradient of the Landfill should not impose a significant concern for the groundwater quality.

3.3.3 Leachate Indicators

Historical graphs and trend lines have been established for the following leachate indicators: ammonia, chloride, total phenols, and total dissolved solids. In general, these leachate indicators exhibited either a decreasing or relatively flat trend in the majority of the wells, with the exception of the following:

- Well LF-2 shows a relatively slight increasing trend in ammonia concentrations mostly due to a spike in concentration observed during the May 2022 sampling event.
- Well MW-06F shows a slight increasing trend in chloride concentrations.
- Well OBS-1 has historically exhibited chloride concentrations below the groundwater standard of 250 mg/l. However, in May 2025 chloride was detected at a concentration of 292 mg/l.

- Well MW-06F has recently exhibited total phenol concentrations below the groundwater standard of 0.001 mg/l. However, in May 2025 total phenol was detected at a concentration of 0.0458 mg/l.

- Wells MW-06C and MW-06F show slight increasing trends in total dissolved solids.

4.0 CONCLUSIONS

The following conclusions are made based on the above information:

- Overall, the results of the first semiannual 2025 sampling event (seventeenth round) of post-termination monitoring are, in general, consistent with the results from the prior post-termination rounds, except where noted below.

- Landfill related impacts (iron, manganese, and sodium) continue to be evident in well LF-1, as well as in well LF-2 (iron, sodium, ammonia, chloride, and total dissolved solids).

- Although wells LF-1 and LF-2 are both located on the downgradient boundary of the landfill, well LF-1 exhibits far less landfill-related impacts (i.e., leachate indicators) in comparison to well LF-2. This is attributed to the fact that well LF-1 is located downgradient of the newer portion of the landfill, which is partially lined, whereas well LF-2 is located downgradient of the older unlined portion of the landfill that is primarily composed of ash.

- It should be noted that cluster 6, which has historically exhibited the most landfill-related impacts of the monitoring wells, are located downgradient of the older, unlined portion of the landfill. Wells MW-06B, MW-06C, MW-06E and MW-06F, which show landfill related impacts are screened at depths that most likely intercept the off-site landfill plume.

- With respect to landfill-related VOCs, (i.e., aromatic hydrocarbon) benzene slightly exceeded the Class GA groundwater standard in LF-2 and MW-06C. Isopropylbenzene exceeded the Class GA groundwater standard in LF-2. Chlorobenzene exceeded the Class GA groundwater standard in MW-06B.

- Regarding chlorinated solvents, PCE and Cis-1,2-Dichloroethylene were detected above their respective groundwater standard in downgradient well MW-08A. These VOCs are most likely attributed to residual contamination from the former Claremont Polychemical Site, which is located directly upgradient of this water-table zone well. Chlorinated solvents associated with the former Claremont Polychemical Site have been historically detected in this well.

FIGURES

COUNTY RECHARGE BASIN NO. 528

GROUNDWATER TREATMENT FACILITY

BETHPAGE SWEET HOLLOW ROAD

CLAREMONT ROAD

TOWN RECHARGE BASIN NO. 1

SWAMP ROAD

LF-4

LF-3

WINDING ROAD

M-29A-R

M-30A

M-30B-R

M-29B

FORMER CLAREMONT POLYCHEMICAL SITE

LANDFILL BOUNDARY

ROUND SWAMP ROAD

PHASE II PIT

OLD BETHPAGE LANDFILL

LF-2

MW-8A,B,C

TW-1

MW-10A,B,C,D

TW-2

TW-3-R

LF-1

MW-6A,B,C,D,E,F

TOWN PROPERTY BOUNDARY

RW-5

NASSAU COUNTY FIRE SERVICE ACADEMY

TOWN RECHARGE BASIN NO. 33

MW-5A,B

TOWN RECHARGE BASIN NO. 15 (NYS BASIN NO. 938)

MW-9A,B,C

RW-4

RW-3

RW-1

RW-2

MW-7A,B-R

OBS-1

BETHPAGE GOLF COURSE

SWAMP ROAD

ROUND SWAMP ROAD

MW-11A,B

QUAKER MEETING HOUSE ROAD

MELVILLE ROAD

LEGEND:

MW-9A,B,C ● OLD BETHPAGE LANDFILL MONITORING WELL

RW-1 ◉ OLD BETHPAGE LANDFILL RECOVERY WELL

NOTE:

BASE MAP WITH WELL LOCATIONS PROVIDED BY LKB IN DRAWING 101, DATED AUGUST 2005

D&B ENGINEERS AND ARCHITECTS

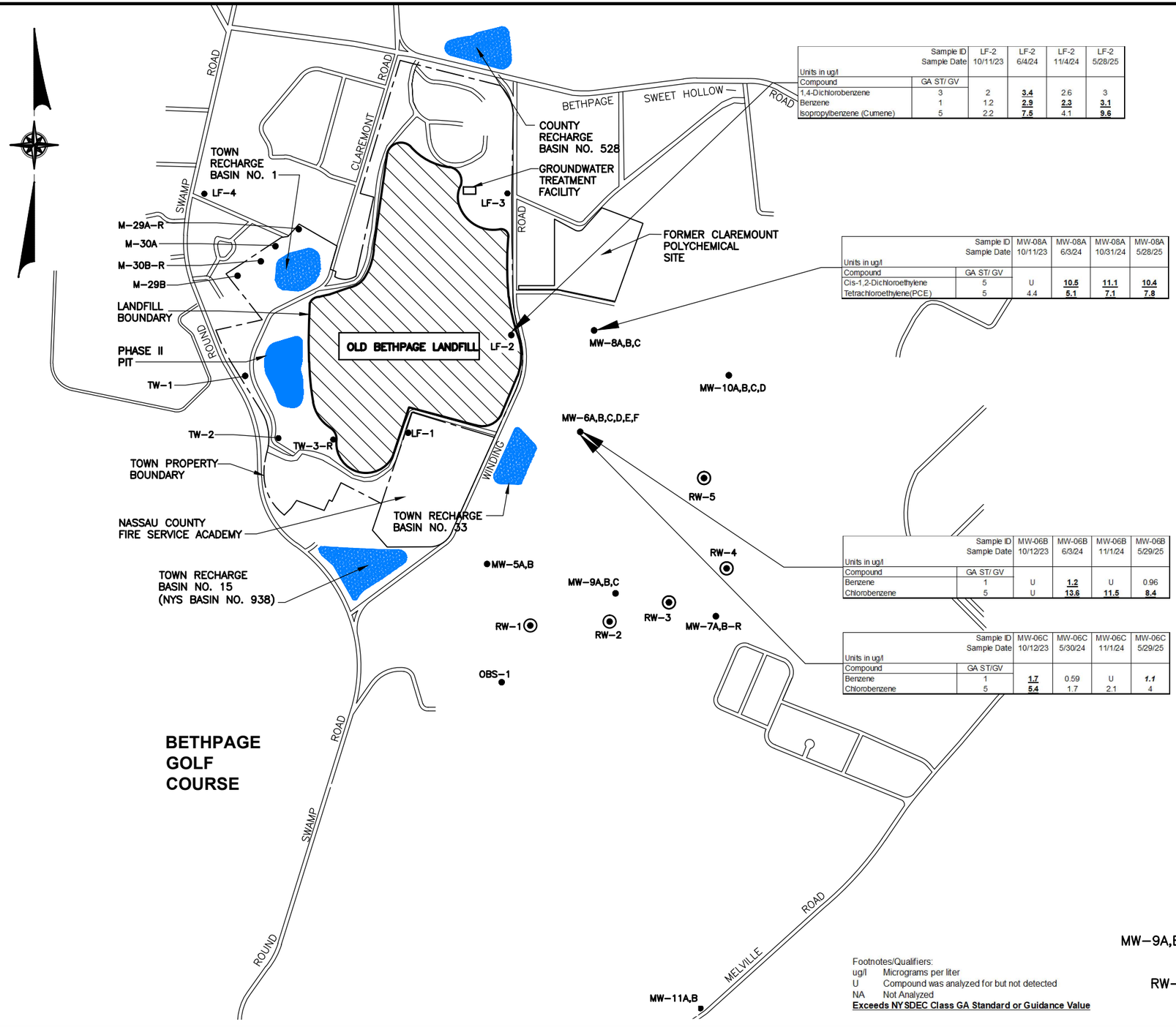
OLD BETHPAGE LANDFILL
TOWN OF OYSTER BAY, NEW YORK

GROUNDWATER MONITORING WELL LOCATION MAP

SCALE: 1"=800'

FIGURE 1

J:_WaterSupply\3617 (TOB Groundwater Monitoring)\2017\Landfill Sampling 1Q 2017\3617-C-well location map fig 1.dwg, Layout1, 12/27/2022 3:45:45 PM, droot



Units in ug/l	Sample ID	LF-2	LF-2	LF-2	LF-2
	Sample Date	10/11/23	6/4/24	11/4/24	5/28/25
Compound	GA ST/ GV				
1,4-Dichlorobenzene	3	2	**3.4**	2.6	3
Benzene	1	1.2	**2.9**	**2.3**	**3.1**
Isopropylbenzene (Cumene)	5	2.2	**7.5**	4.1	**9.6**

Units in ug/l	Sample ID	MW-08A	MW-08A	MW-08A	MW-08A
	Sample Date	10/11/23	6/3/24	10/31/24	5/28/25
Compound	GA ST/ GV				
Cis-1,2-Dichloroethylene	5	U	**10.5**	**11.1**	**10.4**
Tetrachloroethylene(PCE)	5	4.4	**5.1**	**7.1**	**7.8**

Units in ug/l	Sample ID	MW-06B	MW-06B	MW-06B	MW-06B
	Sample Date	10/12/23	6/3/24	11/1/24	5/29/25
Compound	GA ST/ GV				
Benzene	1	U	**1.2**	U	0.96
Chlorobenzene	5	U	**13.6**	**11.5**	**8.4**

Units in ug/l	Sample ID	MW-06C	MW-06C	MW-06C	MW-06C
	Sample Date	10/12/23	5/30/24	11/1/24	5/29/25
Compound	GA ST/GV				
Benzene	1	**1.7**	0.59	U	***1.1***
Chlorobenzene	5	**5.4**	1.7	2.1	4

Footnotes/Qualifiers:
ug/l Micrograms per liter
U Compound was analyzed for but not detected
NA Not Analyzed
Exceeds NYSDEC Class GA Standard or Guidance Value

LEGEND:

MW-9A,B,C ● OLD BETHPAGE LANDFILL MONITORING WELL

RW-1 ◉ OLD BETHPAGE LANDFILL RECOVERY WELL

NOTE:

BASE MAP WITH WELL LOCATIONS PROVIDED BY LKB IN DRAWING 101, DATED AUGUST 2005

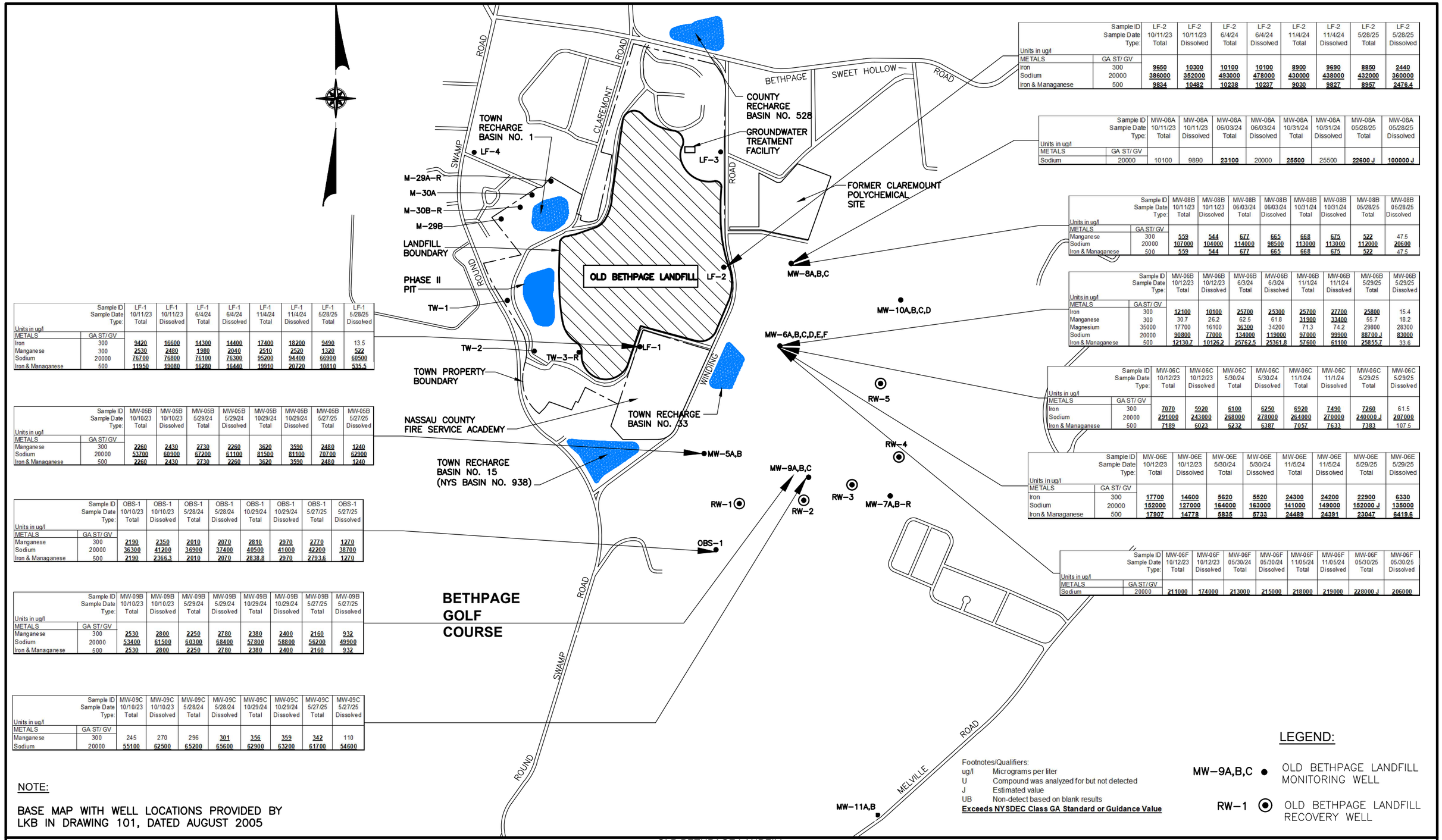
D&B ENGINEERS AND ARCHITECTS

OLD BETHPAGE LANDFILL
TOWN OF OYSTER BAY, NEW YORK
VOLATILE ORGANIC COMPOUND CONCENTRATIONS DETECTED ABOVE GROUNDWATER QUALITY STANDARDS/GUIDANCE VALUES, 2023 - 2025

SCALE: 1"=900'

FIGURE 2

F:\3617\3617-09\dwg\3617-09-C-PL04.dwg, VOCs, 7/25/2025 3:09:47 PM, zkaplan



Units in ug/l	Sample ID	LF-1	LF-1	LF-1	LF-1	LF-1	LF-1	LF-1	LF-1
	Sample Date	10/11/23	10/11/23	6/4/24	6/4/24	11/4/24	11/4/24	5/28/25	5/28/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Iron	300	**9420**	**16600**	**14300**	**14400**	**17400**	**18200**	**9490**	13.5
Manganese	300	**2530**	**2480**	**1980**	**2040**	**2510**	**2520**	**1320**	**522**
Sodium	20000	**76700**	**76800**	**76100**	**76300**	**95200**	**94400**	**66900**	**60500**
Iron & Managanese	500	**11950**	**19080**	**16280**	**16440**	**19910**	**20720**	**10810**	**535.5**

Units in ug/l	Sample ID	MW-05B	MW-05B	MW-05B	MW-05B	MW-05B	MW-05B	MW-05B	MW-05B
	Sample Date	10/10/23	10/10/23	5/29/24	5/29/24	10/29/24	10/29/24	5/27/25	5/27/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Manganese	300	**2260**	**2430**	**2730**	**2260**	**3620**	**3590**	**2480**	**1240**
Sodium	20000	**53700**	**60900**	**67200**	**61100**	**81500**	**81100**	**70700**	**62900**
Iron & Managanese	500	**2260**	**2430**	**2730**	**2260**	**3620**	**3590**	**2480**	**1240**

Units in ug/l	Sample ID	OBS-1	OBS-1	OBS-1	OBS-1	OBS-1	OBS-1	OBS-1	OBS-1
	Sample Date	10/10/23	10/10/23	5/28/24	5/28/24	10/29/24	10/29/24	5/27/25	5/27/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Manganese	300	**2190**	**2350**	**2010**	**2070**	**2810**	**2970**	**2770**	**1270**
Sodium	20000	**36300**	**41200**	**36900**	**37400**	**40500**	**41000**	**42200**	**38700**
Iron & Managanese	500	**2190**	**2366.3**	**2010**	**2070**	**2838.8**	**2970**	**2793.6**	**1270**

Units in ug/l	Sample ID	MW-09B	MW-09B	MW-09B	MW-09B	MW-09B	MW-09B	MW-09B	MW-09B
	Sample Date	10/10/23	10/10/23	5/29/24	5/29/24	10/29/24	10/29/24	5/27/25	5/27/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Manganese	300	**2530**	**2800**	**2250**	**2780**	**2380**	**2400**	**2160**	**932**
Sodium	20000	**53400**	**61500**	**60300**	**68400**	**57800**	**58800**	**56200**	**49900**
Iron & Managanese	500	**2530**	**2800**	**2250**	**2780**	**2380**	**2400**	**2160**	**932**

Units in ug/l	Sample ID	MW-09C	MW-09C	MW-09C	MW-09C	MW-09C	MW-09C	MW-09C	MW-09C
	Sample Date	10/10/23	10/10/23	5/28/24	5/28/24	10/29/24	10/29/24	5/27/25	5/27/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Manganese	300	245	270	296	**301**	**356**	**359**	**342**	110
Sodium	20000	**55100**	**62500**	**65200**	**65600**	**62900**	**63200**	**61700**	**54600**

NOTE:

BASE MAP WITH WELL LOCATIONS PROVIDED BY LKB IN DRAWING 101, DATED AUGUST 2005

Units in ug/l	Sample ID	LF-2	LF-2	LF-2	LF-2	LF-2	LF-2	LF-2	LF-2
	Sample Date	10/11/23	10/11/23	6/4/24	6/4/24	11/4/24	11/4/24	5/28/25	5/28/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Iron	300	**9650**	**10300**	**10100**	**10100**	**8900**	**9690**	**8850**	**2440**
Sodium	20000	**386000**	**352000**	**493000**	**478000**	**430000**	**438000**	**432000**	**360000**
Iron & Managanese	500	**9834**	**10482**	**10238**	**10237**	**9030**	**9827**	**8957**	**2476.4**

Units in ug/l	Sample ID	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A
	Sample Date	10/11/23	10/11/23	06/03/24	06/03/24	10/31/24	10/31/24	05/28/25	05/28/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Sodium	20000	10100	9890	**23100**	20000	**25500**	25500	**22600 J**	**100000 J**

Units in ug/l	Sample ID	MW-08B	MW-08B	MW-08B	MW-08B	MW-08B	MW-08B	MW-08B	MW-08B
	Sample Date	10/11/23	10/11/23	06/03/24	06/03/24	10/31/24	10/31/24	05/28/25	05/28/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Manganese	300	**559**	**544**	**677**	**665**	**668**	**675**	**522**	47.5
Sodium	20000	**107000**	**104000**	**114000**	**98500**	**113000**	**113000**	**112000**	**20600**
Iron & Managanese	500	**559**	**544**	**677**	**665**	**668**	**675**	**522**	47.5

Units in ug/l	Sample ID	MW-06B	MW-06B	MW-06B	MW-06B	MW-06B	MW-06B	MW-06B	MW-06B
	Sample Date	10/12/23	10/12/23	6/3/24	6/3/24	11/1/24	11/1/24	5/29/25	5/29/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Iron	300	**12100**	**10100**	**25700**	**25300**	**25700**	**27700**	**25800**	15.4
Manganese	300	30.7	26.2	62.5	61.8	**31900**	**33400**	55.7	18.2
Magnesium	35000	17700	16100	**36300**	34200	71.3	74.2	29800	28300
Sodium	20000	**90800**	**77000**	**134000**	**119000**	**97000**	**99900**	**88700 J**	**83000**
Iron & Managanese	500	**12130.7**	**10126.2**	**25762.5**	**25361.8**	**57600**	**61100**	**25855.7**	33.6

Units in ug/l	Sample ID	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C
	Sample Date	10/12/23	10/12/23	5/30/24	5/30/24	11/1/24	11/1/24	5/29/25	5/29/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Iron	300	**7070**	**5920**	**6100**	**6250**	**6920**	**7490**	**7260**	61.5
Sodium	20000	**291000**	**243000**	**268000**	**278000**	**264000**	**270000**	**240000 J**	**207000**
Iron & Managanese	500	**7189**	**6023**	**6232**	**6387**	**7057**	**7633**	**7383**	107.5

Units in ug/l	Sample ID	MW-06E	MW-06E	MW-06E	MW-06E	MW-06E	MW-06E	MW-06E	MW-06E
	Sample Date	10/12/23	10/12/23	5/30/24	5/30/24	11/5/24	11/5/24	5/29/25	5/29/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Iron	300	**17700**	**14600**	**5620**	**5520**	**24300**	**24200**	**22900**	**6330**
Sodium	20000	**152000**	**127000**	**164000**	**163000**	**141000**	**149000**	**152000 J**	**135000**
Iron & Managanese	500	**17907**	**14778**	**5835**	**5733**	**24489**	**24391**	**23047**	**6419.6**

Units in ug/l	Sample ID	MW-06F	MW-06F	MW-06F	MW-06F	MW-06F	MW-06F	MW-06F	MW-06F
	Sample Date	10/12/23	10/12/23	05/30/24	05/30/24	11/05/24	11/05/24	05/30/25	05/30/25
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	GA ST/ GV								
Sodium	20000	**211000**	**174000**	**213000**	**215000**	**218000**	**219000**	**228000 J**	**206000**

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value
UB	Non-detect based on blank results
Exceeds NYSDEC Class GA Standard or Guidance Value	

LEGEND:

MW-9A,B,C ● OLD BETHPAGE LANDFILL MONITORING WELL

RW-1 ◉ OLD BETHPAGE LANDFILL RECOVERY WELL

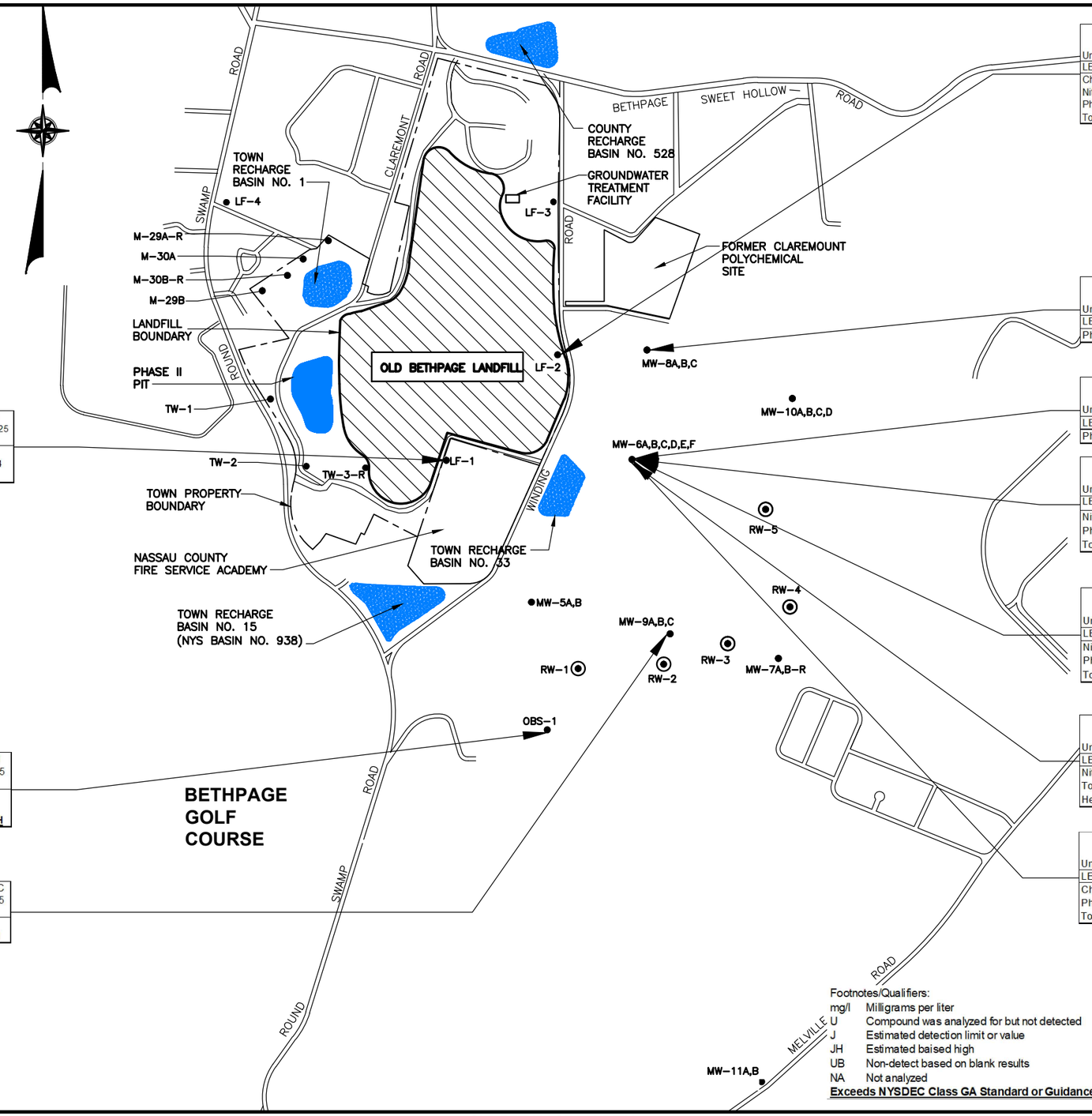
D&B ENGINEERS AND ARCHITECTS

OLD BETHPAGE LANDFILL
TOWN OF OYSTER BAY, NEW YORK
TOTAL AND DISSOLVED METAL CONCENTRATIONS DETECTED ABOVE GROUNDWATER QUALITY STANDARDS/GUIDANCE VALUES, 2023 - 2025

SCALE: 1"=900'

FIGURE 3

F:\3617\3617-09\dwg\3617-09-C-PL05.dwg, METALS, 7/25/2025 3:10:29 PM, zkaplan



Units in mg/l	Sample ID	LF-2	LF-2	LF-2	LF-2
	Sample Date	10/11/23	06/04/24	11/04/24	05/28/25
LEACHATE INDICATORS	GA ST/ GV				
Chloride	250	321	**354**	**295**	**367**
Nitrogen, Ammonia	2	**102**	**157**	**166**	**175 JH**
Phenolics, Total	0.001	UJB	**0.0185**	**0.009**	U
Total Dissolved Solids	500	**1540**	**1600**	**1800**	**1670**

Units in mg/l	Sample ID	MW-08A	MW-08A	MW-08A	MW-08A
	Sample Date	10/11/23	06/03/24	10/31/24	05/28/25
LEACHATE INDICATORS	GA ST/ GV				
Phenolics, Total	0.001	**0.104**	U	U	**0.0118**

Units in mg/l	Sample ID	MW-06A	MW-06A	MW-06A	MW-06A
	Sample Date	10/12/23	06/03/24	11/01/24	05/30/25
LEACHATE INDICATORS	GA ST/ GV				
Phenolics, Total	0.001	NA	**0.0182**	U	U

Units in mg/l	Sample ID	MW-06B	MW-06B	MW-06B	MW-06B
	Sample Date	10/12/23	6/3/24	11/1/24	5/29/25
LEACHATE INDICATORS	GA ST/ GV				
Nitrogen, Ammonia	2	**64.8**	**95**	**72.8**	**68.9**
Phenolics, Total	0.001	UB	**0.0197**	**0.014**	U
Total Dissolved Solids	500	476	**684**	**558**	**516**

Units in mg/l	Sample ID	MW-06C	MW-06C	MW-06C	MW-06C
	Sample Date	10/12/23	5/30/24	11/1/24	5/29/25
LEACHATE INDICATORS	GA ST/ GV				
Nitrogen, Ammonia	2	**93.5**	**49**	**65.2**	**61.1**
Phenolics, Total	0.001	UB	U	**0.006**	U
Total Dissolved Solids	500	**1860**	**860**	**1100**	**1840**

Units in mg/l	Sample ID	MW-06E	MW-06E	MW-06E	MW-06E
	Sample Date	10/12/23	5/30/24	11/5/24	5/29/25
LEACHATE INDICATORS	GA ST/ GV				
Nitrogen, Ammonia	2	**19.9**	**7.2**	**10.7**	**6.3**
Total Dissolved Solids	500	**550**	**558**	**556**	**560**
Hexavalent Chromium	0.05	**0.058**	U	U	U

Units in mg/l	Sample ID	MW-06F	MW-06F	MW-06F	MW-06F
	Sample Date	10/12/23	5/30/24	11/5/24	5/30/25
LEACHATE INDICATORS	GA ST/ GV				
Chloride	250	**453**	**432**	**403**	**523**
Phenolics, Total	0.001	UB	U	U	**0.0458**
Total Dissolved Solids	500	**830**	**766**	**894**	**886**

Units in mg/l	Sample ID	LF-1	LF-1	LF-1	LF-1
	Sample Date	10/11/23	06/04/24	11/04/24	05/28/25
LEACHATE INDICATORS	GA ST/ GV				
Nitrogen, Ammonia	2	**2.3**	1.1	0.31	0.084
Phenolics, Total	0.001	UJ	**0.0117**	**0.008**	U

Units in mg/l	Sample ID	OBS-1	OBS-1	OBS-1	OBS-1
	Sample Date	10/10/23	05/28/24	10/31/24	05/27/25
LEACHATE INDICATORS	GA ST/ GV				
Chloride	250	43.4	41.5	47.2	**292**
Nitrogen, Ammonia	2	**10.5**	**13**	**10**	**12.4 JH**

Units in mg/l	Sample ID	MW-09C	MW-09C	MW-09C	MW-09C
	Sample Date	10/10/23	05/28/24	10/29/24	05/27/25
LEACHATE INDICATORS	GA ST/ GV				
Nitrogen, Ammonia	2	1.7	**3.9**	1.7	**2.5 JH**

NOTE:

BASE MAP WITH WELL LOCATIONS PROVIDED BY LKB IN DRAWING 101, DATED AUGUST 2005

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
JH	Estimated baised high
UB	Non-detect based on blank results
NA	Not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

LEGEND:

MW-9A,B,C ● OLD BETHPAGE LANDFILL MONITORING WELL

RW-1 ◉ OLD BETHPAGE LANDFILL RECOVERY WELL

D&B ENGINEERS AND ARCHITECTS

OLD BETHPAGE LANDFILL
TOWN OF OYSTER BAY, NEW YORK

LEACHATE INDICATOR CONCENTRATIONS DETECTED ABOVE GROUNDWATER QUALITY STANDARDS/GUIDANCE VALUES, 2023 - 2025

SCALE: 1"=900'

FIGURE 4

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TABLES

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 5/28/25	LF-2 5/28/25	MW-05B 5/27/25	MW-06A 5/30/25	MW-06B 5/29/25	MW-06C 5/29/25	MW-06E 5/29/25	MW-06F 5/30/25	MW-08A 5/28/25	MW-08B 5/28/25	MW-09B 5/27/25	MW-09C 5/27/25	OBS-1 5/27/25
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	3.0	1 U	1 U	2.5	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	***3.1***	1 U	1 U	0.96 J	***1.1***	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	3.4	1 U	1 U	***8.4***	4.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	***10.4***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	***9.6***	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***7.8***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	5	2 U	1.5 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	1.5 J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	0	22.1	0	0	11.86	8.3	0	0	19.3	0	0	0	0

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated limit or value
-- No standard
ND Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

https://us-partner-integrations.egnyte.com/msoffice/wopi/files/cf4c8cef-9185-4f4d-910e-b7d9ab48d61e/WOPIServiceId_TP_EGNYTE_PLUS/WOPIUserId_-/05-27_2025_wat_RP

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 5/28/25 Total	LF-1 5/28/25 Dissolved	LF-2 5/28/25 Total	LF-2 5/28/25 Dissolved	MW-05B 5/27/25 Total	MW-05B 5/27/25 Dissolved	MW-06A 5/30/25 Total	MW-06A 5/30/25 Dissolved	MW-06B 5/29/25 Total	MW-06B 5/29/25 Dissolved	MW-06C 5/29/25 Total	MW-06C 5/29/25 Dissolved	MW-06E 5/29/25 Total	MW-06E 5/29/25 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value														
Aluminum	--	200 U	36.8 J	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	54.2 J	23.9 J	54.2 J	24.5 J	59.1	31.7 J	15.7 J	6.1 J	78.1 J	36.4 J	32.8 J	14.5 J	74.7 J	45 J
Calcium	--	11700	9050	35900	30400	15900	13200	1150 J	760	35200 J	32400	50900 J	46900	14300 J	12100
Chromium	50	10 U	10 U	11.6	12.4	10 U	10 U	10 U	10 U	1.2 J	10 U	1.2 J	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	12.8 UB	25 U	25 U	25 U	8.6 UB	25 U	14.6 UB	25 U	9.3 UB	25 U	25 U
Iron	300	***9490***	13.5 J	***8850***	***2440***	20 U	20 U	20 U	20 U	***25800***	15.4 J	***7260***	61.5	***22900***	***6330***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	7130	6200	21000	18500	7270	6540	1190 J	920 J	29800 J	28300	14900 J	14100	10200 J	9140
Manganese	300	***1320***	***522***	107	36.4	***2480***	***1240***	3 J	10 U	55.7	18.2	123	46.0	147	89.6
Mercury	0.7	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	7.6 J	8.1 J	23.4 J	24.6 J	11.4	10.4 J	7.1 J	7.4 J	5.3 J	6.7 J	14.7 J	15.7 J	9.4 J	8.8 J
Potassium	--	9190	8900	171000	156000	10400	9760	1760 J	1750 J	53500	51200	61900	60000	15200	14000
Sodium	20000	***66900***	***60500***	***432000***	***360000***	***70700***	***62900***	6720 J	6040	***88700 J***	***83000***	***240000 J***	***207000***	***152000 J***	***135000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	4.2 J	20 U	20 U	20 U	20 U	20 U	4 J	20 U
Iron & Manganese	500	***10810***	***535.5***	***8957***	***2476.4***	***2480***	***1240***	3	10 U	***25855.7***	33.6	***7383***	107.5	***23047***	***6420***

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	MW-06F 5/30/25 Total	MW-06F 5/30/25 Dissolved	MW-08A 5/28/25 Total	MW-08A 5/28/25 Dissolved	MW-08B 5/28/25 Total	MW-08B 5/28/25 Dissolved	MW-09B 5/27/25 Total	MW-09B 5/27/25 Dissolved	MW-09C 5/27/25 Total	MW-09C 5/27/25 Dissolved	OBS-1 5/27/25 Total	OBS-1 5/27/25 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	235	133 J	43.1 J	36.1 J	200 U	200 U	200 U	200 U	200 U	200 U	200 U	36 J
Barium	1000	297	272	68.8 J	53.4 J	83.3 J	36.2 J	91.2 J	42.4 J	61.9 J	25.9 J	45.1 J	23.4 J
Calcium	--	52100 J	52000	8670 J	17000 J	19300	7950	11000	8380	10100	7190	16400	13800
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	6.1 UB	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300	68.2	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	23.6	20 U
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	19800 J	19500	4700	4800	5180	4100	5070	4340	6040	4970	8840	8120
Manganese	300	161	134	121 J	264 J	***522***	47.5	***2160***	***932***	***342***	110	***2770***	***1270***
Mercury	0.7	0.28	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 U
Nickel	100	38.2 J	35.3 J	10.8 J	14.4 J	18.1 J	9.1 J	4.8 J	4.9 J	5.1 J	5.6 J	4.8 J	6.4 J
Potassium	--	12600	12000	6770 J	8830 J	9280	6860	8600	8140	11500	10700	18400	17400
Sodium	20000	***228000 J***	***206000***	***22600 J***	***100000 J***	***112000***	***20600***	***56200***	***49900***	***61700***	***54600***	***42200***	***38700***
Zinc	2000	29.5	17.2 J	7.2 J	8.7 J	34.1	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Iron & Manganese	500	229.2	134	121 J	264 J	***522***	47.5	***2160***	***932***	342	110	***2793.6***	***1270***

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

https://us-partner-integrations.egnyte.com/msoffice/wopi/files/cf4c8cef-9185-4f4d-910e-b7d9ab48d61e/WOPIServiceId_TP_EGNYTE_PLUS/WOPIUserId_-/05-27_2025_wat_RP

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID / **Sample Date** / **Units in mg/l**		LF-1 5/28/25	LF-2 5/28/25	MW-05B 5/27/25	MW-06A 5/30/25	MW-06B 5/29/25	MW-06C 5/29/25	MW-06E 5/29/25	MW-06F 5/30/25	MW-08A 5/28/25	MW-08B 5/28/25	MW-09B 5/27/25	MW-09C 5/27/25	OBS-1 5/27/25
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value													
Alkalinity, Total	---	45.9	1 U	34.3 JH	4.4	544	716	115	1 U	12.4	12.8	30.8 JH	50.7 JH	141 JH
Alkalinity,Bicarbonate	---	45.9	1 U	34.3	4.4	544	716	115	1 U	12.4	12.8	30.8	50.7	141
Alkalinity,Carbonate	---	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1.0 UJ
Chloride	250	112	***367***	123	8.1	104	225	200	***523***	31.4	189	88.7	102	***292***
Cyanide	0.2	0.010 U	0.021 UB	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UB	0.011 UB	0.014 UB	0.010 U	0.075 J
Hardness	---	58.6	176	69.6	7.77	21.1	18.8	77.7	21.2	41	69.5	48.3	50.1	77.4
Hexavalent Chromium	0.05	0.02 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 UJ
Nitrogen, Ammonia	2	0.084 JH	***175 JH***	0.1 U	0.1 U	***68.9***	***61.1***	***6.3***	0.34	0.1 U	0.056 JH	0.38 JH	***2.5 JH***	***12.4 JH***
Nitrogen, Kjeldahl, Total	---	0.23 JH	156 JH	0.1 UJ	0.1 UJ	62.2 JH	63.0 JH	6.8 JH	0.1 UJ	0.11 JH	0.1 UJ	0.1 UJ	2.7 JH	11.5 JH
Nitrate	10	0.05 U	0.05 U	4.3	0.084	0.05 U	0.05 U	0.30	3.3	1.2	2.0	3.2	0.26	0.15
Nitrite	1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	***0.0458***	***0.0118***	0.01 U	0.01 U	0.01 U	0.01 U
Sulfate	250	21.4	5 U	24.2	6.4	3.2 J	0.48 J	77.6	5 U	37.6	33.2	19.8	17.0	18.5
Total Dissolved Solids	500	228	***1670***	292	25 U	***516***	***1840***	***560***	***886***	114	326	225	231	217

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
JH	Estimated bias high
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

APPENDIX A

GROUNDWATER SAMPLING LOGS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/28/2025

WELL ID: **LF-1** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 102.50'
Initial static water level (feet from top of casing)..... 45.52'
Approximate Pump Inlet (feet from top of casing) ..... 52'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
6 in. casing: 56.98 ft. of water x 1.47 = 83.7 gallons

volume of water removed: 280 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.60	18.75	0.486	0	6.72	112
40	6.39	18.59	0.500	0	3.17	-9
80	6.48	18.57	0.508	0	0.00	-59
120	6..52	18.56	0.505	0	0.00	-63
160	6.60	18.55	0.504	0	0.00	-78
200	6.63	18.53	0.503	0	0.00	-85
240	6.79	18.52	0.506	0	0.00	-98
280	6.84	18.52	0.503	0	0.00	-103

Purging Rate: 4 GPM
Purging Time: 70 min
Sampling Rate: Low flow

Sampling
Time of Sample Collection: 1:00 p.m.

Method:
- X Submersible Pump
- X In-Line Filter (Diss. Metals)
- ____ Pos. Disp. Pump
- ____ Disposable bailer
- ____ Dedicated pump

Analyses (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- ____ Leachate
- X Parameters

Observations
Weather/Temperature: Overcast and warm, 60-65F
Sample description: Clear, slight leachate odor
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes X no ____ describe Slight leachate

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/28/2025

WELL ID: **LF-2** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 103.00'
Initial static water level (feet from top of casing)..... 53.46'
Approximate Pump Inlet (feet from top of casing) ..... 60'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
6 in. casing: 49.54 ft. of water x 1.47 = 73 gallons

volume of water removed:
240 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	7.40	19.18	3.11	0	0.00	-150
40	7.27	19.28	3.19	22	0.00	-167
80	7.26	19.26	3.46	6	0.00	-167
120	7.28	19.32	3.40	7	0.00	-173
160	7.27	19.31	3.39	7	0.00	-173
200	7.30	19.32	3.33	26	0.00	-179
220	7.31	19.32	3.31	8	0.00	-180
240	7.31	19.29	3.35	10	0.00	-179

Purging Rate: 4.0 GPM
Purging Time: 70 min
Sampling Rate: Low flow

Sampling
Time of Sample Collection: 10:35 a.m.

Method:
X Submersible Pump
X In-line filter (Diss. metals)
____ Pos. Disp. Pump
Disposable bailer
____
____ Dedicated pump

Analyses (Pace Analytical Laboratory)
X VOCs
X Total & Dissolved Metals
Leachate
X Parameters

Observations
Weather/Temperature: Overcast warm 60-65 F
Sample description: Clear - Yellow tint
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes X no ____ describe Leachate odor

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/27/2025

WELL ID: **MW-05B** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 117.00'
Initial static water level (feet from top of casing)..... 73.75'
Approximate Pump Inlet (feet from top of casing) ..... 80'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:

2 in. casing:		ft. of water x 0.16 =		gallons
3 in. casing:		ft. of water x 0.36 =		gallons
4 in. casing:	43.25	ft. of water x 0.65 =	28	gallons

volume of water removed: 96 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	5.92	17.96	0.548	0.8	0.00	191
24	5.88	18.24	0.535	0.7	0.00	213
48	6.05	18.21	0.537	0.5	0.00	207
60	6.20	18.21	0.537	0.2	0.00	201
72	6.17	18.23	0.540	0.8	0.00	204
84	6.17	18.24	0.540	0.4	0.00	206
96	6.17	18.23	0.542	1.0	0.00	206

Purging Rate: 2.5 GPM
Purging Time: 40 min
Sampling Rate: Low flow

Sampling

Time of Sample Collection: 4:15 p.m.

Method:
- X Submersible Pump
- X In-Line Filter (Diss. Metals)
- ____ Pos. Disp. Pump
- Disposable bailer
- ____
- ____ Dedicated pump

Analyses: (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- Leachate
- X Parameters

Observations

Weather/Temperature: Sunny warm 70-75
Sample description: Clear, no odor
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes ____ no X describe ____

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/30/2025

WELL ID: **MW-06A** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 100.00'
Initial static water level (feet from top of casing)..... 96.48'
Approximate Pump Inlet (feet from top of casing) ..... 100'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 3.52 ft. of water x 0.65 = 2 gallons

volume of water removed: 30 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	5.33	18.15	0.066	8.4	2.64	80
6	5.19	18.33	0.056	2.2	5.24	114
12	5.13	18.38	0.056	1.2	6.18	133
18	5.10	18.42	0.056	0.9	7.14	178
24	5.10	18.43	0.056	0.9	6.93	179
30	5.10	18.44	0.056	1.1	6.67	180

Purging Rate:1.25 gpm Purging Time: 25 minutes Sampling Rate:Low Flow

Sampling

Time of Sample Collection: 12:50 p.m.

Method:
- X Submersible Pump
- X In-line filter (Diss Metals)
- ____ Pos. Disp. Pump
- Disposable bailer
- ____
- ____ Dedicated pump

Analyses: (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- Leachate
- X Parameters

Observations

Weather/Temperature: Partly Sunny 65-70 F
Sample description: Clear, no odor
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes ____ no X describe ____

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/29/2025

WELL ID: **MW-06B** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 135.00'
Initial static water level (feet from top of casing)..... 96.75
Approximate Pump Inlet (feet from top of casing) ..... 103'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 38.25 ft. of water x 0.65 = 25 gallons

volume of water removed: 100 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.65	18.12	0.760	11	0.30	-32
25	6.52	18.50	1.40	30	0.00	-93
50	6.71	18.55	1.40	4	0.00	-112
75	6.73	18.56	1.40	2.5	0.00	-115
100	6.75	18.58	1.39	4.1	0.00	-118

Purging Rate: 2.5 GPM
Purging Time: 40 min
Sampling Rate: Low Flow

Sampling
Time of Sample Collection: 11:00 a.m.

Method:
X Submersible Pump
X In-Line Filter (Diss. Metals)
____ Pos. Disp. Pump
Disposable bailer
____ Dedicated pump

Analyses: (Pace Analytical Laboratory)
X VOCs
X Total & Dissolved Metals
Leachate
X Parameters

Observations
Weather/Temperature: Overcast and rain showers 50-55 F
Sample description: Clear
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes X no ____ describe Slight leachate odor

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/29/2025

WELL ID: **MW-06C** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 161.00'
Initial static water level (feet from top of casing)..... 96.04'
Approximate Pump Inlet (feet from top of casing) ..... 102'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 64.96 ft. of water x 0.65 = 42 gallons

volume of water removed: 150 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	7.22	18.32	1.74	2.3	3.14	-127
25	7.12	18.95	1.95	0	0.00	-147
50	7.15	18.99	1.95	0	0.00	-156
75	7.18	19.02	1.96	0	0.00	-161
100	7.19	19.02	1.95	0	0.00	-161
125	7.19	19.05	1.94	0	0..00	-161
150	7.19	19.05	1.94	0	0.00	-161

Purging Rate: 2.5 GPM
Purging Time: 60 min
Sampling Rate: Low Flow

Sampling
Time of Sample Collection: 3:15 p.m.

Method:
X Submersible Pump
X In-Line Filter (Diss. Metals)
____ Pos. Disp. Pump
Disposable bailer
____
____ Dedicated pump

Analyses: (Pace Analytical Laboratory)
X VOCs
X Total & Dissolved Metals
Leachate
X Parameters

Observations
Weather/Temperature: Overcast, rain showers 50-55 F
Sample description: leachate odor present, yellow tint
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes X no ____ describe Leachate odor

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/29/2025

WELL ID: **MW-06E** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 251' historical log
Initial static water level (feet from top of casing)..... 97.59'
Approximate Pump Inlet (feet from top of casing) ..... 104'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 153.41 ft. of water x 0.65 = 100 gallons

volume of water removed: 360 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.45	18.16	0.826	2.7	0.40	-88
60	6.48	18.90	0.946	4.8	0.00	-88
120	6.33	18.90	0.969	4.7	0.00	-59
180	6.22	18.91	0.980	3.4	0.00	-44
240	6.23	18.90	0.981	1.9	0.00	-42
300	6.19	18.94	0.978	0.1	0.00	-36
360	6.16	18.89	0.989	8.5	0.00	-33

Purging Rate: 3 GPM
Purging Time: 120 min
Sampling Rate: Low Flow

Sampling
Time of Sample Collection: 1:45 p.m.

Method:
- X Submersible Pump
- X In-Line Filter (Diss. Metals)
- Pos. Disp. Pump
- Disposable bailer
- Dedicated pump

Analyses: (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- Leachate
- X Parameters

Observations
Weather/Temperature: Overcast, rain showers 50-55 F
Sample description: Clear, no odor
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/30/2025

WELL ID: **MW-06F** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 349' historical log
Initial static water level (feet from top of casing)..... 96.79'
Approximate Pump Inlet (feet from top of casing) ..... 112'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 252.21 ft. of water x 0.65 = 164 gallons

volume of water removed: 560 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	4.32	18.67	1.54	0.7	0.00	334
80	4.34	19.18	1.58	1.3	0.00	393
160	4.42	18.42	1.79	2	0.00	376
240	4.49	18.35	1.79	1	0.00	376
320	4.48	18.31	1.77	2	0.00	376
400	4.47	18.30	1.78	0	0.00	377
480	4.49	18.32	1.77	0	0.00	376
560	4.49	18.33	1.77	0	0.00	375

Purging Rate: 4 GPM
Purging Time: 140 min
Sampling Rate: Low Flow

Sampling

Time of Sample Collection: 11:35 a.m.

Method:
- X Submersible Pump
- X In-Line Filter (Diss. Metals)
- ____ Pos. Disp. Pump
- ____ Disposable bailer
- ____ Dedicated pump

Analyses: (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- Leachate
- X Parameters

Observations

Weather/Temperature: Partly Sunny, 65-70 F
Sample description: Clear, no odor
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes ____ no X describe ____

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/28/2025

WELL ID: **MW-08A** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 80.00'
Initial static water level (feet from top of casing)..... 70.44
Approximate Pump Inlet (feet from top of casing) ..... 79'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 9.56 ft. of water x 0.65 = 6 gallons

volume of water removed: 30 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	4.61	15.76	0.193	0	9.56	309
7	4.57	15.89	0.202	0	7.73	333
14	4.57	15.92	0.204	0	7.36	343
21	4.63	15.92	0.211	0	7.23	341
28	4.72	15.92	0.214	0	6.87	333

Purging Rate: 1.5 GPM
Purging Time: 20 min
Sampling Rate: Low Flow

Sampling
Time of Sample Collection: 3:35 p.m.

Method:
- X Submersible Pump
- X In-Line Filter (Diss. Metals)
- ____ Pos. Disp. Pump
- ____ Disposable bailer
- ____ Dedicated pump

Analyses: (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- X Leachate Parameters

Observations
Weather/Temperature: Overcast warm, 60-65 F
Sample description: Clear, no odor
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes ____ no X describe ____

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/28/2025

WELL ID: **MW-08B** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 160.00'
Initial static water level (feet from top of casing)..... 69.91'
Approximate Pump Inlet (feet from top of casing) ..... 77'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 90.09 ft. of water x 0.65 = 58.5 gallons

volume of water removed: 200 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	5.80	16.14	0.872	0	2.82	159
25	5.67	16.08	0.876	0	0.00	196
50	5.67	16.06	0.868	0	0.00	199
75	5.60	16.05	0.837	0	0.00	208
100	5.52	16.02	0.815	0	0.00	219
125	5.62	15.98	0.785	0	0.00	220
150	5.59	15.98	0.773	0	0.00	224
175	5.57	15.98	0.766	0	0.00	229
200	5.57	15.97	0.765	0	0.00	230

Purging Rate: 4 GPM
Purging Time: 50 min
Sampling Rate: Low Flow

Sampling
Time of Sample Collection: 2:50 p.m.

Method:
X Submersible Pump
X In-Line Filter (Diss. Metals)
____ Pos. Disp. Pump
____ Disposable bailer

Analyses: (Pace Analytical Laboratory)
X VOCs
X Total & Dissolved Metals
Leachate
X Parameters

Observations
Weather/Temperature: Sunny, warm 60-65 F
Sample description: Clear, no odor
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes ____ no X describe ____

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/27/2025

WELL ID: **MW-09B** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 169.00'
Initial static water level (feet from top of casing)..... 92.60'
Approximate Pump Inlet (feet from top of casing) ..... 98'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 76.4 ft. of water x 0.65 = 50 gallons

volume of water removed: 180 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	5.84	16.73	0.36	0	0.65	199
30	6.03	16.95	0.425	0	0.00	207
60	6.00	16.96	0.424	0	0.00	210
90	5.95	16.98	0.422	0	0.00	216
120	6.07	16.98	0.423	0.6	0.00	208
150	6.29	16.98	0.425	0.6	0.00	202
180	6.20	16.98	0.425	0.7	0.00	202

Purging Rate: 3.0 GPM
Purging Time: 60 min
Sampling Rate: Low flow

Time of Sample Collection: 2:45 p.m.

Method:
- X Submersible Pump
- X In-Line Filter (Diss. Metals)
- Pos. Disp. Pump
- Disposable bailer
- Dedicated pump

Analyses: (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- Leachate
- X Parameters

Observations
Weather/Temperature: Sunny warm 70-75 F
Sample description: Clear, no odor
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/27/2025

WELL ID: **MW-09C** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 225' historical log
Initial static water level (feet from top of casing)..... 93.26
Approximate Pump Inlet (feet from top of casing) ..... 99'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 131.74 ft. of water x 0.65 = 85.6 gallons

volume of water removed: 280 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	5.76	16.95	0.256	0	3.81	138
40	5.46	17.29	0.397	0	0.00	224
80	5.84	17.55	0.451	0	0.00	215
120	5.98	17.61	0.469	0	0.00	205
160	6.15	17.60	0.470	0	0.00	200
200	6.29	17.60	0.472	0	0.00	187
240	6.33	17.61	0.471	0.5	0.00	183
280	6.34	17.62	0.471	1	0.00	184

Purging Rate: 4.0 GPM
Purging Time: 70 min
Sampling Rate: Low flow

Sampling
Time of Sample Collection: 1:15 p.m.

Method:
- X Submersible Pump
- X In-Line Filter (Diss. Metals)
- Pos. Disp. Pump
- Disposable bailer
- Dedicated pump

Analyses: (Pace Analytical Laboratory)
- X VOCs
- X Total & Dissolved Metals
- Leachate
- X Parameters

Observations
Weather/Temperature: Sunny warm 70-75 F
Sample description: Clear, no odor
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Collected Blind Duplicate -1 at well MW-09C

D&B ENGINEERS AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 05/27/2025

WELL ID: **OBS-1** Time On-site: Time Off-site:
SAMPLERS: KR

Depth of well (feet from top of casing)..... 195.00'
Initial static water level (feet from top of casing)..... 49.65'
Approximate Pump Inlet (feet from top of casing) ..... 55'

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Submersible Pump	X	Disposable Bladder Pump (Low Flow)	

Well Volume Calculation:
2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 145.35 ft. of water x 0.65 = 94.5 gallons

volume of water removed:
300 gal. >3 volumes: yes X no ____ purged dry? yes ____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.59	18.18	0.469	0.9	4.14	141
40	6.12	17.83	0.461	0.0	0.00	178
80	6.21	18.07	0.494	3.5	0.00	155
120	6.29	18.11	0.496	1.7	0.00	123
160	6.25	18.11	0.493	4.5	0.00	113
200	6.21	18.11	0.490	9.6	0.00	109
240	6.43	18.08	0.490	2.5	0.00	95
280	6.42	18.09	0.488	3.5	0.00	95
300	6.43	18.09	0.487	4.2	0.00	94

Purging Rate: 4 GPM
Purging Time: 75 min
Sampling Rate: Low flow<500 ml/m

Sampling
Time of Sample Collection: 11:10 a.m.

Method:

X	Submersible Pump
X	In-Line Filter (Diss. Metals)
	Pos. Disp. Pump
	Disposable bailer

Analyses: (Pace Analytical Laboratory)

X	VOCs
X	Total & Dissolved Metals
	Leachate
X	Parameters

Observations
Weather/Temperature: Sunny warm 70-75 F
Sample description: Clear, no odor
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes ____ no X describe ____

D&B ENGINEERS AND ARCHITECTS

APPENDIX B

CHAIN OF CUSTODY FORMS

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Town of Oyster Bay
Street Address: 150 Miller Place
Syosset, NY 11791
Customer Project #: 3617-09
Project Name: Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable): Old Bethpage Landfill

Contact/Report To: Russo, Matt
Phone #: none
E-Mail: MRusso@tobays.net
Cc E-Mail: KRobins@db-eng.com
Invoice to: Matt Russo
Invoice E-mail: MRusso@tobays.com
Purchase Order # (if applicable): —
Quote #: —

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): New York

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[X] Other Category "B"

Regulatory Program (DW, RCRA, etc.) as applicable:
Reportable [ ] Yes [X] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____
Date Results Requested: Standard

DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [X] Yes [ ] No
Analysis: CR+6 / Dissolved metals

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units
OBS-1_5/27/25	GW	G	5/27/25	1110 am	—	—	13		
MW-09C-5/27/25	GW	G	5/27/25	115 pm	—	—	13		
MW-09B-5/27/25	GW	G	5/27/25	245 pm	—	—	13		
MW-05B-5/27/25	GW	G	5/27/25	415 pm	—	—	13		
Blind Duplicate-1-5/27/25	GW	G	5/27/25	0000	—	—	13		
TRip Blank -5/28/25	AQ	—	5/27/25	—	—	—	2		

Analysis Requested	Alkalinity	Cl, SO4, CO3, HCO3	Cyanide	Dissolved CR+6 (F) Field Filtered	Dissolved Mercury (F) Field Filtered	NH3 NO3 TKN	NO2, TDS	Phenolics by (4AAP)	Total metals Hardness	VOCs by 8260
OBS-1_5/27/25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-09C-5/27/25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-09B-5/27/25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-05B-5/27/25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blind Duplicate-1-5/27/25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TRip Blank -5/28/25	-	-	-	-	-	-	-	-	-	✓

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Provide Category B deliverables
Send data to the lab clerk @db-eng.com

Collected By:
Printed Name: Keith Robins
Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards:
Samples denoted with (F) were field filtered

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	On Ice
1	TH211	+0.2	5.2	5.4	Yes

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Keith Robins / DvB Engineers	5/28/2025 0805		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [X] In-person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Pace

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Town of Oyster Bay
Street Address: 150 Miller Place, Syosset, NY 11791
Customer Project #: 3617-09
Project Name: Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable): Old Bethpage Landfill

Contact/Report To: MATT Russo
Phone #: —
E-Mail: MRusso@TOBAYS.net
Cc E-Mail: KRobins@db-eng.com
Invoice to: MATT Russo
Invoice E-mail: MRusso@TOBAYS.net
Purchase Order # (if applicable): —
Quote #: —

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s):

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [X] Other Category B

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [X] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other ____

Date Results Requested: STAndard

DW PWSID # or WW Permit # as applicable: —

Field Filtered (if applicable): [X] Yes [ ] No
Analysis: CR+6 / Dissolved metals

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Alkanity	CL, SO4, CO3, HCO3	CR6	Cyanide	Dissolved CR+6 Field Filtered (F)	Dissolved metals Field filtered (F)	NH3, NO3, TKN	NO2, TDS	Phenolics (420.1)	Total metals, Hardness	VOCs (8260)
LF-2 — 5/28/25	GW	G	5/28/25	1035	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LF-1 — 5/28/25	GW	G	5/28/25	100 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-08 B — 5/28/25	GW	G	5/28/25	250 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-08 A — 5/28/25	GW	G	5/28/25	335 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trip Blank — 5/28/25	AQ	—	5/28/25	—	—	—	2			—	—	—	—	—	—	—	—	—	—	✓

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace®: Provide "Category B" deliverables. Send data to Labdata@db-eng.com

Collected By: Printed Name: Keith Robins
Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards: Samples denoted with (F) were field filtered

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp (°C):	On Ice
1	[illegible]	+2	4.9	5.1	(circled)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Keith Robins (D&B Engineers + Architects)	5/29/2025 0855	[signature]	5/29/25 8:58

Tracking Number:

Delivered by: [X] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Town of Oyster Bay
Street Address:	150 miller Place Syosset, New York 11791
Customer Project #:	3617-09
Project Name:	Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable):	Old Bethpage Landfill
Contact/Report To:	Russo, MATT
Phone #:	—
E-Mail:	MRusso@TOBAYS.net
Cc E-Mail:	KRobins@db-eng.com
Invoice to:	MATT Russo
Invoice E-mail:	MRUSSO@TOBAYS.net
Purchase Order # (if applicable):	—
Quote #:	—
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample:	New York
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [X] Other Category B
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [X] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____
Date Results Requested:	Standard
DW PWSID # or WW Permit # as applicable	—
Field Filtered (if applicable):	[X] Yes [ ] No
Analysis:	CR+6 / Dissolved metals

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OI), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Alkalinity	Cl, SO4, CO3, HCO3	CR+6, Cyanide	Dissolved CR+6 Field Filtered (F)	Dissolved Mg, Ca (F) Field Filtered	NH3, NO3, TKN	NO2, TDS	Phenolics (420.1)	Total Metals + Hardness	VOCs (8260)	Sample Comment
MW-06B - 5/29/25	GW	G	5/29/25	11:00 am	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MW-06E - 5/29/25	GW	G	5/29/25	1:45 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MW-06C - 5/29/25	GW	G	5/29/25	3:15 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Trip Blank - 5/29/25	AQ	—	5/29/25	—	—	—	2			—	—	—	—	—	—	—	—	—	✓	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample

Additional Instructions from Pace®: Provide Category "B" deliverables
Send data to Lab data @ db-eng.com

Collected By: Printed Name: Kenny Robins
Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp (°C)	Corrected Temp (°C)	[ ] On Ice
2	CH11	+2	3.0	5.2	(Y)

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Keith Robins DB Engineers + Arch. Assocs	5/30/25 0800		
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
			5/30/25 8:03
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time

Tracking Number:

Delivered by: [X] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Town of Oyster Bay
Street Address: 150 Miller Place, Syosset, NY 11791
Customer Project #: 3617-09
Project Name: Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable): Old Bethpage Landfill

Contact/Report To: Matt Russo
Phone #:
E-Mail: MRusso@TOBAYS.net
Cc E-Mail: KRobins@db-eng.com
Invoice to: Matt Russo
Invoice E-mail: MRusso@TOBAYS.net
Purchase Order # (if applicable): —
Quote #: —

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): New York

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [X] Other Category B

Regulatory Program (DW, RCRA, etc.) as applicable:
Reportable [ ] Yes [X] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other ______
Date Results Requested: Standard

DW PWSID # or WW Permit # as applicable: —
Field Filtered (if applicable): [X] Yes [ ] No
Analysis: dissolved metals + dissolved CR+6

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **
Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Alkalinity	CL, SO4, CO3, CR6, HCO3	Cyanide	Dissolved CR+6 Field Filtered (F)	Dissolved metals Field Filtered (F)	NH3, NO3, TKN	NO2, TDS	Phenolics (420.1)	Total metals + Hardness	VOCs (8260)	Sample Comment
MW-06F-5/30/25	GW	G	5/30/25	11:35 am	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MW-06A-5/30/25	GW	G	5/30/25	12:50 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Field Blank-5/30/25	water	G	5/30/25	1:30 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Trip Blank-5/30/25	AQ	—	5/30/25	—	—	—	2			—	—	—	—	—	—	—	—	—	✓	

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample

Additional Instructions from Pace®: Provide Category "B". Send data to lab data@db-eng.com

Collected By: Keith Robins
Printed Name: Keith Robins
Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards: Samples denoted with (F) were field filtered

# Coolers	Thermometer ID	Correction Factor (°C)	Obs Temp. (°C)	Corrected Temp (°C)	On Ice
	TT211	+0.2	1.6	1.8	✓

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Keith Robins D&B Engineers Architects	5/30/25 300pm	[signature]	5/30/25 15:03

Tracking Number:
Delivered by: [X] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

ENV-FRM-CORQ-0019_v02_110123 ©

APPENDIX C

DATA VALIDATION CHECKLIST

DATA VALIDATION CHECKLIST

Project Name:	Old Bethpage Landfill
Project Number:	3617-09
Sample Date(s):	May 27-30, 2025
Sample Team:	Keith Robins
Matrix/Number of Samples:	Water/ 13 Field Duplicates/ 1 Trip Blanks / 4 Field Blanks/ 1
Analyzing Laboratory:	Pace Analytical, Melville, NY and Phenolics were subcontracted to Microbac Laboratories Inc., Marietta, OH
Analyses:	Volatile Organic Compounds (VOCs): by SW846 8260D Metals: Total and dissolved by USEPA 200.7 and mercury by USEPA 245.1 General Chemistry: Alkalinity (SM2320B), Hardness (SM2340B), Total Dissolved Solids (SM 2540C), Hexavalent Chromium (SM22 3500), Chloride (SM22 4500), Sulfate (USEPA 300.0), Total Kjeldahl Nitrogen (TKN) (USEPA 351.2), Nitrate-Nitrite and Nitrite (USEPA 353.2), Ammonia (SM22 4500), Cyanide (SM22 4500), and Phenolics (USEPA 420.1)
Laboratory Report No:	70356901 (M5F0109) Date: 6/23/2025

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, November 2020, or USEPA National Functional Guidelines of Inorganic Data Review, November 2020, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS

Custody Numbers:70356901
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	SVOC	PCB	MET	MISC
OBS-1	70356901001-2	5/27/2025		X			X	X
MW-09C	70356901003-4	5/27/2025		X			X	X
MW-09B	70356901005-6	5/27/2025		X			X	X
MW-05B	70356901007-8	5/27/2025		X			X	X
BLIND DUPLICATE-1	70356901009-10	5/27/2025	MW-09C	X			X	X
TRIP BLANK	703569010011	5/27/2025		X				
LF-2	70356901012-13	5/28/2025		X			X	X
LF-1	70356901014-15	5/28/2025		X			X	X
MW-08B	70356901016-17	5/28/2025		X			X	X
MW-08A	70356901018-19	5/28/2025		X			X	X
TRIP BLANK	70356901020	5/28/2025		X				
MW-06B	70356901021-22	5/29/2025		X			X	X
MW-06E	70356901023-24	5/29/2025		X			X	X
MW-06C	70356901025-26	5/29/2025		X			X	X
TRIP BLANK	70356901027	5/29/2025		X				
MW-06F	70356901028-29	5/30/2025		X			X	X
MW-06A	70356901030-31	5/30/2025		X			X	X
FIELD BLANK	70356901032-33	5/30/2025		X			X	X
TRIP BLANK	70356901034	5/30/2025		X				

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks		X		X	
3. Matrix spike (MS) & MS duplicate %R		X	X		
4. Duplicate RPD		X	X		
5. Laboratory control sample (LCS) %R		X	X		
6. Surrogate spike recoveries		X		X	
7. Field duplicate		X		X	

VOCs - volatile organic compounds %R - percent recovery RPD - relative percent difference

Comments:
The performance was acceptable, except the following:

3-4. The %R was above the QC limit in the MS, for 1,2-dichloroethane associated with all samples. The RPDs were above the QC limits for 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, carbon tetrachloride, chloroethane, dichlorodifluoromethane, methylene chloride, vinyl chloride, and trans-1,2-dichloroethene associated with all samples. The VOCs were not detected therefore qualification of the data was not necessary.

5. The %Rs were below the QC limit in the LCS for 1,1,1-trichloroethane associated with samples OBS-1, MW-09C, MW-09B, MW-05B, BLIND DUPLICATE-1, TRIP BLANK 5/27, LF-2, LF-1, MW-08B, MW-08A, and TRIP BLANK 5/28; cis-1,2-dichloroethene associated with samples MW-06B, MW-06C, MW-06F, and MW-06A and 1,1-dichloroethane associated with samples MW-06E, TRIP BLANK 5/29, FIELD BLANK, and TRIP BLANK 5/30. The VOCs were qualified as an estimated limit (UJ) in associated samples.

INORGANIC ANALYSES
METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Field blanks		X		X	
3. Laboratory control samples (LCS) %R		X		X	
4. Spike sample %R		X	X		
5. Duplicate RPD		X		X	
6. Serial dilution check %D		X	X		
7. Total verse dissolved results		X	X		
8. Field duplicate		X		X	

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
The performance was acceptable, except the following:

2. Dissolved copper was detected in the method blank and was qualified as non-detect (UB) in samples LF-2, MW-06A, MW-06B, MW-06C, and MW-06F.

4. The %R was below the QC limit in the spike for total mercury associated with sample OBS-1, MW-09C, MW-09B, MW-05B, BLIND DUPLICATE-1, LF-2, and LF-1 and was qualified as an estimated limit (UJ).

6. The serial dilution %Ds were above the QC limits for total calcium, magnesium, and sodium associated with samples MW-06A, MW-06B, MW-06C, MW-06E, MW-06F, and Field Blank and were qualified as estimated (J).

7. The following metals were qualified as estimated (J) based on total and dissolved results: total and dissolved calcium, manganese, potassium, sodium, and the sum of iron and manganese in sample MW-08A.

INORGANIC ANALYSES
GENERAL CHEMISTRY

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X	X		
2. Blanks					
A. Method blanks		X		X	
B. Field blanks		X	X		
3. Laboratory spike %R		X		X	
4. Laboratory duplicate RPD		X	X		
5. Matrix spike %R		X	X		
6. Field duplicate		X		X	

%R percent recovery RPD - relative percent difference %D – percent difference
RSD - relative standard deviation

Comments:
The performance was acceptable, except the following:

1. The total hexavalent chromium were analyzed outside of holding time requirement for samples FIELD BLANK, LF-1, LF-2, MW-06A, MW-06B, MW-06C, MW-06E,_MW-06F, MW-08B, and OBS-1. They were qualified as an estimated limit (UJ).

2B. Cyanide was detected in the Field Blank and was qualified as non-detect (UB) in samples LF-2, MW-08A, MW-08B, and MW-09B.

4. The RPD was above the QC limit in the duplicate for matrix spike for nitrogen, kjeldahl, total associated with all samples. It was qualified as estimated (J/UJ) in associated samples

5. The MS %Rs were above the QC limits for alkalinity, total associated with samples OBS-1, MW-09C, MW-09B, MW-05B, and BLIND DUPLICATE-1; alkalinity,carbonate associated with sample LF-2.; nitrogen, kjeldahl, total associated with all samples; nitrite associated with samples MW-06F, MW-06A, and FIELD BLANK; and ammonia associated with samples OBS-1, MW-09C, MW-09B, MW-05B, LF-2, LF-1, and MW-08B. The following were detected and qualified as estimated bias high (JH): alkalinity, total in samples OBS-1, MW-09C, MW-09B, MW-05B, and BLIND DUPLICATE-1; nitrogen, kjeldahl, total in samples LF-1, LF-2, MW-06B, MW-06C, MW-06E, MW-08A MW-09C, and OBS-1; and ammonia associated with samples OBS-1, MW-09C, MW-09B, LF-2, LF-1, and MW-08B.

   The MS %Rs were below the QC limits for alkalinity,carbonate associated with all samples except sample LF-2; and total hexavalent chromium associated with samples MW-06B, MW-06E, and MW-06C These compounds were qualified as an estimated limit (UJ) in associated samples.

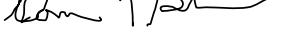
   .

D&B ENGINEERS AND ARCHITECTS

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers:70356901

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
OBS-1, MW-09C, MW-09B, MW-05B, BLIND DUPLICATE-1, TRIP BLANK 5/27, LF-2, LF-1, MW-08B, MW-08A, and TRIP BLANK 5/28	1,1,1-Trichloroethane	UJ	The %R was below the QC limit in the LCS
MW-06B, MW-06C, MW-06F, and MW-06A	cis-1,2-Dichloroethene		
MW-06E, TRIP BLANK 5/29, FIELD BLANK, and TRIP BLANK 5/30	1,1-Dichloroethane		
Metals			
LF-2, MW-06A, MW-06B, MW-06C, and MW-06F	Dissolved copper	UB	Detected in the Blanks
OBS-1, MW-09C, MW-09B, MW-05B, BLIND DUPLICATE-1, LF-2, and LF-1	Total mercury	UJ	The %R was below the QC limit in the spike
MW-06A, MW-06B, MW-06C, MW-06E, MW-06F, and Field Blank	Total calcium, magnesium, and sodium	J	The serial dilution %Ds were above the QC limits
MW-08A	Total and dissolved calcium, manganese, potassium, sodium, and the sum of iron and manganese	J	based on total and dissolved results
General Chemistry			
FIELD BLANK, LF-1, LF-2, MW-06A, MW-06B, MW-06C, MW-06E,_MW-06F, MW-08B, and OBS-1	Total hexavalent chromium	UJ	Analyzed outside of holding time
LF-2, MW-08A, MW-08B, and MW-09B	Cyanide	UB	Detected in the Field Blank
All samples	Nitrogen, kjeldahl, total	J/UJ	The RPD was above QC limit in the laboratory duplicate
All samples except sample LF-2	Alkalinity,carbonate	UJ	The %Rs were below the QC limits in the matrix spike
MW-06B, MW-06E, and MW-06C	Total hexavalent chromium		
OBS-1, MW-09C, MW-09B, MW-05B, and BLIND DUPLICATE-1	Alkalinity, total	JH	The %Rs were above the QC limits in the matrix spike
LF-1, LF-2, MW-06B, MW-06C, MW-06E, MW-08A MW-09C, and OBS-1	Nitrogen, kjeldahl, total		
OBS-1, MW-09C, MW-09B, LF-2, LF-1, and MW-08B	Ammonia		

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 7/9/2025
VALIDATION PERFORMED BY SIGNATURE:	

APPENDIX D

LABORATORY DATA REPORTS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

June 23, 2025

Robbin Petrella
Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797

RE: Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Dear Robbin Petrella:

Enclosed are the analytical results for sample(s) received by the laboratory between May 28, 2025 and May 30, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

REVISION#1: Report re-issued 6/23/25 to update the 8260 VOC list as per client request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kimberley Mack

Kimberley M. Mack
kimberley.mack@pacelabs.com
516-370-6052
Project Manager

Enclosures

cc: Tom Fox, D&B Engineers and Architects, P.C.
John Gerlach, Lockwood Kessler & Bartlett
Rachel Lambert, Cashin Associates

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 200.7 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 404235

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70359344003,70359344006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2137618)
  - Calcium
  - Magnesium
  - Potassium
  - Sodium
- MS (Lab ID: 2137620)
  - Magnesium
  - Potassium
  - Sodium

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Town of Oyster Bay
Date: June 23, 2025

Batch Comments:

The post digestion spike for sample 70359318004 (PDS 2136331) exceeded acceptance criteria for Silver and Sodium.
- QC Batch: 404011

The post digestion spike for sample 70359344003 (PDS 2138328) exceeded acceptance criteria for Aluminum, Arsenic, Barium, Calcium, Iron, Magnesium, Potassium, and Sodium.
- QC Batch: 404347

The post digestion spike for sample 70359324001 (PDS 2136333) exceeded acceptance criteria for Silver.
- QC Batch: 404011

The post digestion spike for sample 70359344006 (PDS 2138330) exceeded acceptance criteria for Aluminum, Calcium, Magnesium, Potassium, Silver, and Sodium.
- QC Batch: 404347

The serial dilution for sample 70359344003 (SD 2138329) exceeded acceptance criteria for Calcium, Magnesium, and Sodium.
- QC Batch: 404347

The serial dilution for sample 70359344006 (SD 2138331) exceeded acceptance criteria for Calcium, Magnesium, and Sodium.
- QC Batch: 404347

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Melville, NY 11747
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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 200.7**
Description: 200.7 Metals, Dissolved
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 200.7 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 403692

B: Analyte was detected in the associated method blank.

- BLANK for HBN 403692 [ICP/2356 (Lab ID: 2134229)
  - Copper, Dissolved

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 403692

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70358601001,70358601002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2134232)
  - Manganese, Dissolved
- MS (Lab ID: 2134234)
  - Manganese, Dissolved

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 2340B**
Description: 2340B Hardness, Total (Calc.)
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for SM22 2340B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 245.1**
Description: 245.1 Mercury
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 245.1 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 402645

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70357656003,70357656005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2127287)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 245.1**
Description: 245.1 Mercury, Dissolved
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 245.1 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 8260D/5030C**
Description: 8260D Volatile Organics
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
19 samples were analyzed for EPA 8260D/5030C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: 401541

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 2120487)
  - Chloroethane

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 2120486)
  - Dichlorodifluoromethane
- BLIND DUPLICATE-1_5/27/25 (Lab ID: 70356901009)
  - Dichlorodifluoromethane
- DUP (Lab ID: 2122912)
  - Dichlorodifluoromethane
- LCS (Lab ID: 2120487)
  - Dichlorodifluoromethane
- LF-1_05/28/25 (Lab ID: 70356901014)
  - Dichlorodifluoromethane
- LF-2_05/28/25 (Lab ID: 70356901012)
  - Dichlorodifluoromethane
- MW-05B_05/27/25 (Lab ID: 70356901007)
  - Dichlorodifluoromethane
- MW-08A_05/28/25 (Lab ID: 70356901018)
  - Dichlorodifluoromethane
- MW-08B_05/28/25 (Lab ID: 70356901016)
  - Dichlorodifluoromethane
- MW-09B_05/27/25 (Lab ID: 70356901005)
  - Dichlorodifluoromethane
- MW-09C_05/27/25 (Lab ID: 70356901003)
  - Dichlorodifluoromethane
- OBS-1_5/27/25 (Lab ID: 70356901001)
  - Dichlorodifluoromethane
- TRIP BLANK_05/28/25 (Lab ID: 70356901020)
  - Dichlorodifluoromethane
- TRIP BLANK_5/27/25 (Lab ID: 70356901011)
  - Dichlorodifluoromethane

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 8260D/5030C**
Description: 8260D Volatile Organics
Client: Town of Oyster Bay
Date: June 23, 2025

QC Batch: 402034

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 2123603)
  - Chloroethane
- MS (Lab ID: 2124189)
  - Chloroethane
- MSD (Lab ID: 2124190)
  - Chloroethane

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 2123602)
  - Dichlorodifluoromethane
- LCS (Lab ID: 2123603)
  - Dichlorodifluoromethane
- MS (Lab ID: 2124189)
  - Dichlorodifluoromethane
- MSD (Lab ID: 2124190)
  - Dichlorodifluoromethane
- MW-06A_05/30/25 (Lab ID: 70356901030)
  - Dichlorodifluoromethane
- MW-06B_05/29/25 (Lab ID: 70356901021)
  - Dichlorodifluoromethane
- MW-06C_05/29/25 (Lab ID: 70356901025)
  - Dichlorodifluoromethane
- MW-06F_05/30/25 (Lab ID: 70356901028)
  - Dichlorodifluoromethane

QC Batch: 402218

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 2124509)
  - Chloroethane

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 2124508)
  - Dichlorodifluoromethane
- DUP (Lab ID: 2125258)
  - Dichlorodifluoromethane
- FIELD BLANK_05/30/25 (Lab ID: 70356901032)
  - Dichlorodifluoromethane
- LCS (Lab ID: 2124509)
  - Dichlorodifluoromethane
- MW-06E_05/29/25 (Lab ID: 70356901023)
  - Dichlorodifluoromethane
- TRIP BLANK_05/29/25 (Lab ID: 70356901027)
  - Dichlorodifluoromethane

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 8260D/5030C**
Description: 8260D Volatile Organics
Client: Town of Oyster Bay
Date: June 23, 2025

QC Batch: 402218

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- TRIP BLANK_5/30/25 (Lab ID: 70356901034)
  - Dichlorodifluoromethane

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 401541

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BLANK (Lab ID: 2120486)
  - 1,1-Dichloroethane
- DUP (Lab ID: 2122912)
  - 1,1-Dichloroethane
- LCS (Lab ID: 2120487)
  - 1,1-Dichloroethane
- LF-1_05/28/25 (Lab ID: 70356901014)
  - 1,1-Dichloroethane
- LF-2_05/28/25 (Lab ID: 70356901012)
  - 1,1-Dichloroethane
- MW-05B_05/27/25 (Lab ID: 70356901007)
  - 1,1-Dichloroethane
- MW-08A_05/28/25 (Lab ID: 70356901018)
  - 1,1-Dichloroethane
- MW-08B_05/28/25 (Lab ID: 70356901016)
  - 1,1-Dichloroethane
- MW-09B_05/27/25 (Lab ID: 70356901005)
  - 1,1-Dichloroethene
- MW-09C_05/27/25 (Lab ID: 70356901003)
  - 1,1-Dichloroethene
- OBS-1_5/27/25 (Lab ID: 70356901001)
  - 1,1-Dichloroethane
- TRIP BLANK_05/28/25 (Lab ID: 70356901020)
  - 1,1-Dichloroethane
- TRIP BLANK_5/27/25 (Lab ID: 70356901011)
  - 1,1-Dichloroethane

QC Batch: 402218

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- LCS (Lab ID: 2124509)
  - Dichlorodifluoromethane

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BLANK (Lab ID: 2124508)

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 8260D/5030C**
Description: 8260D Volatile Organics
Client: Town of Oyster Bay
Date: June 23, 2025

QC Batch: 402218

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- 1,1-Dichloroethane
- DUP (Lab ID: 2125258)
  - 1,1-Dichloroethane
- FIELD BLANK_05/30/25 (Lab ID: 70356901032)
  - 1,1-Dichloroethane
- LCS (Lab ID: 2124509)
  - 1,1-Dichloroethane
- MW-06E_05/29/25 (Lab ID: 70356901023)
  - 1,1-Dichloroethane
- TRIP BLANK_05/29/25 (Lab ID: 70356901027)
  - 1,1-Dichloroethane
- TRIP BLANK_5/30/25 (Lab ID: 70356901034)
  - 1,1-Dichloroethane

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 401541

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2120487)
  - 1,1,1-Trichloroethane

QC Batch: 402034

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2123603)
  - cis-1,2-Dichloroethene

QC Batch: 402218

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2124509)
  - 1,1-Dichloroethane

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 8260D/5030C**
Description: 8260D Volatile Organics
Client: Town of Oyster Bay
Date: June 23, 2025

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 402034

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70357573002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2124189)
  - 1,2-Dichloroethane

R1: RPD value was outside control limits.

- MSD (Lab ID: 2124190)
  - 1,1,1-Trichloroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,2-Dichloroethane
  - Carbon tetrachloride
  - Chloroethane
  - Dichlorodifluoromethane
  - Methylene Chloride
  - Vinyl chloride
  - trans-1,2-Dichloroethene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 2320B**
Description: 2320B Alkalinity
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for SM22 2320B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 403414

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70357639002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2132055)
  - Alkalinity, Total as CaCO3
  - Alkalinity,Carbonate (CaCO3)

QC Batch: 403552

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70357094004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2133257)
  - Alkalinity,Carbonate (CaCO3)

QC Batch: 403689

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70357497001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2134225)
  - Alkalinity,Carbonate (CaCO3)

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 2320B**
Description: 2320B Alkalinity
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
1 sample was analyzed for SM22 2320B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 403814

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70356901012

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2135100)
  - Alkalinity,Carbonate (CaCO3)

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 2540C**
Description: 2540C Total Dissolved Solids
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for SM22 2540C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 3500-Cr B**
Description: Chromium, Hexavalent
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
30 samples were analyzed for SM22 3500-Cr B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- FIELD BLANK_05/30/25 (Lab ID: 70356901032)
- FIELD BLANK_05/30/25 DISS (Lab ID: 70356901033)
- LF-1_05/28/25 (Lab ID: 70356901014)
- LF-1_05/28/25 DISS (Lab ID: 70356901015)
- LF-2_05/28/25 (Lab ID: 70356901012)
- LF-2_05/28/25 DISS (Lab ID: 70356901013)
- MW-06A_05/30/25 (Lab ID: 70356901030)
- MW-06A_05/30/25 DISS (Lab ID: 70356901031)
- MW-06B_05/29/25 (Lab ID: 70356901021)
- MW-06B_05/29/25 DISS (Lab ID: 70356901022)
- MW-06C_05/29/25 (Lab ID: 70356901025)
- MW-06C_05/29/25 DISS (Lab ID: 70356901026)
- MW-06E_05/29/25 (Lab ID: 70356901023)
- MW-06E_05/29/25 DISS (Lab ID: 70356901024)
- MW-06F_05/30/25 (Lab ID: 70356901028)
- MW-06F_05/30/25 DISS (Lab ID: 70356901029)
- MW-08B_05/28/25 (Lab ID: 70356901016)
- MW-08B_05/28/25 DISS (Lab ID: 70356901017)
- OBS-1_5/27/25 (Lab ID: 70356901001)
- OBS-1_5/27/25 DISS (Lab ID: 70356901002)

H3: Sample was received or analysis requested beyond the recognized method holding time.
- BLIND DUPLICATE-1_5/27/25 (Lab ID: 70356901009)
- BLIND DUPLICATE-1_5/27/25 DISS (Lab ID: 70356901010)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 3500-Cr B**
Description: Chromium, Hexavalent
Client: Town of Oyster Bay
Date: June 23, 2025

QC Batch: 401811

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70356901023

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2122231)
  - Chromium, Hexavalent

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 300.0**
Description: 300.0 IC Anions 28 Days
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 300.0 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 351.2**
Description: 351.2 Total Kjeldahl Nitrogen
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 351.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 351.2 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 403919

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70356901025,70358122001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2135917)
  - Nitrogen, Kjeldahl, Total

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 403919

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 2135916)
  - Nitrogen, Kjeldahl, Total

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- BLIND DUPLICATE-1_5/27/25 (Lab ID: 70356901009)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 401880

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70356901030,70357639001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 2122663)
  - Nitrite as N

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 4500-CN-E**
Description: SM 4500 CNE Cyanide, Total
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for SM22 4500-CN-E by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM20/22 4500-CN-C with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 4500-Cl-E**
Description: 4500 Chloride
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for SM22 4500-Cl-E by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Method: **SM22 4500 NH3 H**
Description: 4500 Ammonia Water
Client: Town of Oyster Bay
Date: June 23, 2025

General Information:
15 samples were analyzed for SM22 4500 NH3 H by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 403721

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70358595001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2134386)
  - Nitrogen, Ammonia

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: OBS-1_5/27/25 **Lab ID: 70356901001** Collected: 05/27/25 11:10 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:34	7429-90-5	
Barium	**45.1J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:34	7440-39-3	
Calcium	**16400**	ug/L	200	1	06/12/25 07:04	06/12/25 15:34	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:34	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:34	7440-50-8	
Iron	**23.6**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:34	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:34	7439-92-1	
Magnesium	**8840**	ug/L	200	1	06/12/25 07:04	06/12/25 15:34	7439-95-4	
Manganese	**2770**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:34	7439-96-5	
Nickel	**4.8J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:34	7440-02-0	
Potassium	**18400**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:34	7440-09-7	
Sodium	**42200**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:34	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**77400**	ug/L	830	1	06/12/25 07:04	06/12/25 15:34		
Zinc	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:34	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**77400**	ug/L	830	1		06/12/25 15:34		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/05/25 05:39	06/05/25 14:48	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 17:30	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 17:30	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	78-87-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: OBS-1_5/27/25 **Lab ID: 70356901001** Collected: 05/27/25 11:10 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 17:30	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:30	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 17:30	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 17:30	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 17:30	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 17:30	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	80-120	1		05/29/25 17:30	17060-07-0	
4-Bromofluorobenzene (S)	94	%	80-120	1		05/29/25 17:30	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		05/29/25 17:30	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**141**	mg/L	1.0	1		06/10/25 11:03		
Alkalinity,Bicarbonate (CaCO3)	**141**	mg/L	1.0	1		06/10/25 11:03		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 11:03		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**217**	mg/L	25.0	1		06/02/25 09:07		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 15:51	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**18.5**	mg/L	5.0	1		06/17/25 17:35	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**11.5**	mg/L	1.0	10	06/12/25 02:13	06/12/25 14:12	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.15**	mg/L	0.050	1		06/13/25 16:11	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/29/25 01:25	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: OBS-1_5/27/25 **Lab ID: 70356901001** Collected: 05/27/25 11:10 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**7.5J**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:12	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**292**	mg/L	10.0	5		06/02/25 11:37	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**12.4**	mg/L	0.50	5		06/11/25 13:52	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: OBS-1_5/27/25 DISS **Lab ID: 70356901002** Collected: 05/27/25 11:10 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**36.0J**	ug/L	200	1		06/11/25 10:27	7429-90-5	
Barium, Dissolved	**23.4J**	ug/L	200	1		06/11/25 10:27	7440-39-3	
Calcium, Dissolved	**13800**	ug/L	200	1		06/11/25 10:27	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:27	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:27	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:27	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:27	7439-92-1	
Magnesium, Dissolved	**8120**	ug/L	1000	1		06/11/25 10:27	7439-95-4	
Manganese, Dissolved	**1270**	ug/L	10.0	1		06/11/25 10:27	7439-96-5	
Nickel, Dissolved	**6.4J**	ug/L	40.0	1		06/11/25 10:27	7440-02-0	
Potassium, Dissolved	**17400**	ug/L	5000	1		06/11/25 10:27	7440-09-7	
Sodium, Dissolved	**38700**	ug/L	5000	1		06/11/25 10:27	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:27	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 13:57	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 15:53	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09C_05/27/25 **Lab ID: 70356901003** Collected: 05/27/25 13:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:36	7429-90-5	
Barium	**61.9J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:36	7440-39-3	
Calcium	**10100**	ug/L	200	1	06/12/25 07:04	06/12/25 15:36	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:36	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:36	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:36	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:36	7439-92-1	
Magnesium	**6040**	ug/L	200	1	06/12/25 07:04	06/12/25 15:36	7439-95-4	
Manganese	**342**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:36	7439-96-5	
Nickel	**5.1J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:36	7440-02-0	
Potassium	**11500**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:36	7440-09-7	
Sodium	**61700**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:36	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**50100**	ug/L	830	1	06/12/25 07:04	06/12/25 15:36		
Zinc	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:36	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**50100**	ug/L	830	1		06/12/25 15:36		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/05/25 05:39	06/05/25 14:52	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 17:49	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 17:49	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-35-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09C_05/27/25 **Lab ID: 70356901003** Collected: 05/27/25 13:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 17:49	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:49	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 17:49	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 17:49	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 17:49	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 17:49	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	80-120	1		05/29/25 17:49	17060-07-0	
4-Bromofluorobenzene (S)	92	%	80-120	1		05/29/25 17:49	460-00-4	
Toluene-d8 (S)	95	%	80-120	1		05/29/25 17:49	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**50.7**	mg/L	1.0	1		06/10/25 11:10		
Alkalinity,Bicarbonate (CaCO3)	**50.7**	mg/L	1.0	1		06/10/25 11:10		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 11:10		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**231**	mg/L	25.0	1		06/02/25 09:07		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 13:13	18540-29-9	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**17.0**	mg/L	5.0	1		06/17/25 18:28	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**2.7**	mg/L	0.10	1	06/12/25 02:13	06/12/25 13:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.26**	mg/L	0.050	1		06/13/25 16:15	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/29/25 01:40	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09C_05/27/25 **Lab ID: 70356901003** Collected: 05/27/25 13:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:14	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**102**	mg/L	10.0	5		06/02/25 11:38	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.5**	mg/L	0.10	1		06/11/25 13:06	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09C_05/27/25 DISS **Lab ID: 70356901004** Collected: 05/27/25 13:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 11:23	7429-90-5	
Barium, Dissolved	**25.9J**	ug/L	200	1		06/11/25 11:23	7440-39-3	
Calcium, Dissolved	**7190**	ug/L	200	1		06/11/25 11:23	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 11:23	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 11:23	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:23	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 11:23	7439-92-1	
Magnesium, Dissolved	**4970**	ug/L	1000	1		06/11/25 11:23	7439-95-4	
Manganese, Dissolved	**110**	ug/L	10.0	1		06/11/25 11:23	7439-96-5	
Nickel, Dissolved	**5.6J**	ug/L	40.0	1		06/11/25 11:23	7440-02-0	
Potassium, Dissolved	**10700**	ug/L	5000	1		06/11/25 11:23	7440-09-7	
Sodium, Dissolved	**54600**	ug/L	5000	1		06/11/25 11:23	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:23	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 13:58	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 13:14	18540-29-9	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09B_05/27/25 **Lab ID: 70356901005** Collected: 05/27/25 14:45 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:37	7429-90-5	
Barium	**91.2J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:37	7440-39-3	
Calcium	**11000**	ug/L	200	1	06/12/25 07:04	06/12/25 15:37	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:37	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:37	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:37	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:37	7439-92-1	
Magnesium	**5070**	ug/L	200	1	06/12/25 07:04	06/12/25 15:37	7439-95-4	
Manganese	**2160**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:37	7439-96-5	
Nickel	**4.8J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:37	7440-02-0	
Potassium	**8600**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:37	7440-09-7	
Sodium	**56200**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:37	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**48300**	ug/L	830	1	06/12/25 07:04	06/12/25 15:37		
Zinc	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:37	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**48300**	ug/L	830	1		06/12/25 15:37		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/05/25 05:39	06/05/25 14:53	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 18:09	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 18:09	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-35-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09B_05/27/25 **Lab ID: 70356901005** Collected: 05/27/25 14:45 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 18:09	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:09	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 18:09	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 18:09	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 18:09	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 18:09	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	80-120	1		05/29/25 18:09	17060-07-0	
4-Bromofluorobenzene (S)	92	%	80-120	1		05/29/25 18:09	460-00-4	
Toluene-d8 (S)	96	%	80-120	1		05/29/25 18:09	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**30.8**	mg/L	1.0	1		06/10/25 11:16		
Alkalinity,Bicarbonate (CaCO3)	**30.8**	mg/L	1.0	1		06/10/25 11:16		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 11:16		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**225**	mg/L	25.0	1		06/02/25 09:07		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 14:20	18540-29-9	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**19.8**	mg/L	5.0	1		06/17/25 18:45	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**<0.10**	mg/L	0.10	1	06/12/25 02:13	06/12/25 13:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**3.2**	mg/L	0.25	5		06/13/25 16:44	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/29/25 01:48	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09B_05/27/25 **Lab ID: 70356901005** Collected: 05/27/25 14:45 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**14.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:15	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**88.7**	mg/L	10.0	5		06/02/25 11:40	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.38**	mg/L	0.10	1		06/11/25 13:07	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-09B_05/27/25 DISS **Lab ID: 70356901006** Collected: 05/27/25 14:45 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 10:36	7429-90-5	
Barium, Dissolved	**42.4J**	ug/L	200	1		06/11/25 10:36	7440-39-3	
Calcium, Dissolved	**8380**	ug/L	200	1		06/11/25 10:36	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:36	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:36	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:36	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:36	7439-92-1	
Magnesium, Dissolved	**4340**	ug/L	1000	1		06/11/25 10:36	7439-95-4	
Manganese, Dissolved	**932**	ug/L	10.0	1		06/11/25 10:36	7439-96-5	
Nickel, Dissolved	**4.9J**	ug/L	40.0	1		06/11/25 10:36	7440-02-0	
Potassium, Dissolved	**8140**	ug/L	5000	1		06/11/25 10:36	7440-09-7	
Sodium, Dissolved	**49900**	ug/L	5000	1		06/11/25 10:36	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:36	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 13:59	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 14:21	18540-29-9	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-05B_05/27/25 **Lab ID: 70356901007** Collected: 05/27/25 16:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:38	7429-90-5	
Barium	**59.1J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:38	7440-39-3	
Calcium	**15900**	ug/L	200	1	06/12/25 07:04	06/12/25 15:38	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:38	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:38	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:38	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:38	7439-92-1	
Magnesium	**7270**	ug/L	200	1	06/12/25 07:04	06/12/25 15:38	7439-95-4	
Manganese	**2480**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:38	7439-96-5	
Nickel	**11.4J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:38	7440-02-0	
Potassium	**10400**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:38	7440-09-7	
Sodium	**70700**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:38	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**69600**	ug/L	830	1	06/12/25 07:04	06/12/25 15:38		
Zinc	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:38	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**69600**	ug/L	830	1		06/12/25 15:38		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/05/25 05:39	06/05/25 14:55	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 17:11	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 17:11	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	78-87-5	

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516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-05B_05/27/25 **Lab ID: 70356901007** Collected: 05/27/25 16:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 17:11	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 17:11	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 17:11	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 17:11	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 17:11	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 17:11	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	80-120	1		05/29/25 17:11	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		05/29/25 17:11	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		05/29/25 17:11	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**34.3**	mg/L	1.0	1		06/10/25 11:22		
Alkalinity,Bicarbonate (CaCO3)	**34.3**	mg/L	1.0	1		06/10/25 11:22		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 11:22		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**292**	mg/L	25.0	1		06/02/25 09:08		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 14:22	18540-29-9	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**24.2**	mg/L	5.0	1		06/17/25 19:03	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**<0.10**	mg/L	0.10	1	06/12/25 02:13	06/12/25 13:55	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**4.3**	mg/L	0.25	5		06/13/25 16:46	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/29/25 01:51	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-05B_05/27/25 **Lab ID: 70356901007** Collected: 05/27/25 16:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:16	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**123**	mg/L	10.0	5		06/02/25 11:41	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		06/11/25 13:08	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-05B_05/27/25 DISS **Lab ID: 70356901008** Collected: 05/27/25 16:15 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 10:37	7429-90-5	
Barium, Dissolved	**31.7J**	ug/L	200	1		06/11/25 10:37	7440-39-3	
Calcium, Dissolved	**13200**	ug/L	200	1		06/11/25 10:37	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:37	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:37	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:37	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:37	7439-92-1	
Magnesium, Dissolved	**6540**	ug/L	1000	1		06/11/25 10:37	7439-95-4	
Manganese, Dissolved	**1240**	ug/L	10.0	1		06/11/25 10:37	7439-96-5	
Nickel, Dissolved	**10.4J**	ug/L	40.0	1		06/11/25 10:37	7440-02-0	
Potassium, Dissolved	**9760**	ug/L	5000	1		06/11/25 10:37	7440-09-7	
Sodium, Dissolved	**62900**	ug/L	5000	1		06/11/25 10:37	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:37	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:01	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 14:23	18540-29-9	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: BLIND DUPLICATE-1_5/27/25 **Lab ID: 70356901009** Collected: 05/27/25 00:00 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:40	7429-90-5	
Barium	**62.5J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:40	7440-39-3	
Calcium	**10300**	ug/L	200	1	06/12/25 07:04	06/12/25 15:40	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:40	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:40	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:40	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:40	7439-92-1	
Magnesium	**6110**	ug/L	200	1	06/12/25 07:04	06/12/25 15:40	7439-95-4	
Manganese	**345**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:40	7439-96-5	
Nickel	**4.5J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:40	7440-02-0	
Potassium	**11600**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:40	7440-09-7	
Sodium	**62500**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:40	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**50900**	ug/L	830	1	06/12/25 07:04	06/12/25 15:40		
Zinc	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:40	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**50900**	ug/L	830	1		06/12/25 15:40		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/05/25 05:39	06/05/25 14:56	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 18:28	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 18:28	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: BLIND DUPLICATE-1_5/27/25 **Lab ID: 70356901009** Collected: 05/27/25 00:00 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 18:28	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:28	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 18:28	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 18:28	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 18:28	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 18:28	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	80-120	1		05/29/25 18:28	17060-07-0	
4-Bromofluorobenzene (S)	92	%	80-120	1		05/29/25 18:28	460-00-4	
Toluene-d8 (S)	94	%	80-120	1		05/29/25 18:28	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**50.6**	mg/L	1.0	1		06/10/25 11:29		
Alkalinity,Bicarbonate (CaCO3)	**50.6**	mg/L	1.0	1		06/10/25 11:29		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 11:29		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**233**	mg/L	25.0	1		06/02/25 09:17		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 15:54	18540-29-9	H3
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**17.0**	mg/L	5.0	1		06/17/25 19:20	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**2.6**	mg/L	0.10	1	06/12/25 02:13	06/12/25 13:56	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.26**	mg/L	0.050	1		06/13/25 16:18	14797-55-8	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: BLIND DUPLICATE-1_5/27/25 **Lab ID: 70356901009** Collected: 05/27/25 00:00 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/29/25 01:19	14797-65-0	H1
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:17	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**101**	mg/L	10.0	5		06/02/25 11:41	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.4**	mg/L	0.10	1		06/11/25 13:09	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: BLIND DUPLICATE-1_5/27/25 DISS **Lab ID: 70356901010** Collected: 05/27/25 00:00 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 10:39	7429-90-5	
Barium, Dissolved	**25.7J**	ug/L	200	1		06/11/25 10:39	7440-39-3	
Calcium, Dissolved	**7280**	ug/L	200	1		06/11/25 10:39	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:39	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:39	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:39	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:39	7439-92-1	
Magnesium, Dissolved	**5030**	ug/L	1000	1		06/11/25 10:39	7439-95-4	
Manganese, Dissolved	**109**	ug/L	10.0	1		06/11/25 10:39	7439-96-5	
Nickel, Dissolved	**5.8J**	ug/L	40.0	1		06/11/25 10:39	7440-02-0	
Potassium, Dissolved	**10800**	ug/L	5000	1		06/11/25 10:39	7440-09-7	
Sodium, Dissolved	**55400**	ug/L	5000	1		06/11/25 10:39	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:39	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:02	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/28/25 15:54	18540-29-9	H3

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: TRIP BLANK_5/27/25 **Lab ID: 70356901011** Collected: 05/27/25 00:00 Received: 05/28/25 08:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 18:47	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 18:47	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	78-87-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 18:47	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 18:47	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 18:47	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 18:47	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 18:47	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 18:47	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	80-120	1		05/29/25 18:47	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		05/29/25 18:47	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		05/29/25 18:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-2_05/28/25 **Lab ID: 70356901012** Collected: 05/28/25 10:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:41	7429-90-5	
Barium	**54.2J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:41	7440-39-3	
Calcium	**35900**	ug/L	200	1	06/12/25 07:04	06/12/25 15:41	7440-70-2	
Chromium	**11.6**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:41	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:41	7440-50-8	
Iron	**8850**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:41	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:41	7439-92-1	
Magnesium	**21000**	ug/L	200	1	06/12/25 07:04	06/12/25 15:41	7439-95-4	
Manganese	**107**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:41	7439-96-5	
Nickel	**23.4J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:41	7440-02-0	
Potassium	**171000**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:41	7440-09-7	
Sodium	**432000**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:41	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**176000**	ug/L	830	1	06/12/25 07:04	06/12/25 15:41		
Zinc	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:41	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**176000**	ug/L	830	1		06/12/25 15:41		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/05/25 05:39	06/05/25 14:57	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**3.1**	ug/L	1.0	1		05/29/25 19:07	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 19:07	56-23-5	
Chlorobenzene	**3.4**	ug/L	1.0	1		05/29/25 19:07	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 19:07	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	541-73-1	
1,4-Dichlorobenzene	**3.0**	ug/L	1.0	1		05/29/25 19:07	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	78-87-5	

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-2_05/28/25 **Lab ID: 70356901012** Collected: 05/28/25 10:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C							
	Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	100-41-4	
Isopropylbenzene (Cumene)	**9.6**	ug/L	1.0	1		05/29/25 19:07	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:07	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 19:07	75-01-4	
Xylene (Total)	**1.5J**	ug/L	3.0	1		05/29/25 19:07	1330-20-7	
m&p-Xylene	**1.5J**	ug/L	2.0	1		05/29/25 19:07	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 19:07	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	80-120	1		05/29/25 19:07	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		05/29/25 19:07	460-00-4	
Toluene-d8 (S)	95	%	80-120	1		05/29/25 19:07	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B							
	Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**<1.0**	mg/L	1.0	1		06/10/25 17:51		
Alkalinity,Bicarbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 17:51		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 17:51		
2320B Alkalinity	Analytical Method: SM22 2320B							
	Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**1520**	mg/L	5.0	1		06/11/25 15:25		
Alkalinity,Bicarbonate (CaCO3)	**1520**	mg/L	5.0	1		06/11/25 15:25		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	5.0	1		06/11/25 15:25		M1
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
	Pace Analytical Services - Melville							
Total Dissolved Solids	**1670**	mg/L	100	1		06/04/25 10:47		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
	Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 18:31	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
	Pace Analytical Services - Melville							
Sulfate	**<5.0**	mg/L	5.0	1		06/17/25 23:42	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
	Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**156**	mg/L	10.0	20	06/12/25 02:13	06/12/25 14:16	7727-37-9	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-2_05/28/25 **Lab ID: 70356901012** Collected: 05/28/25 10:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/13/25 16:47	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 00:07	14797-65-0	
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**20.5**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:19	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**367**	mg/L	20.0	10		06/02/25 11:42	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**175**	mg/L	10.0	100		06/11/25 14:01	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-2_05/28/25 DISS **Lab ID: 70356901013** Collected: 05/28/25 10:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 10:43	7429-90-5	
Barium, Dissolved	**24.5J**	ug/L	200	1		06/11/25 10:43	7440-39-3	
Calcium, Dissolved	**30400**	ug/L	200	1		06/11/25 10:43	7440-70-2	
Chromium, Dissolved	**12.4**	ug/L	10.0	1		06/11/25 10:43	7440-47-3	
Copper, Dissolved	**12.8J**	ug/L	25.0	1		06/11/25 10:43	7440-50-8	B
Iron, Dissolved	**2440**	ug/L	20.0	1		06/11/25 10:43	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:43	7439-92-1	
Magnesium, Dissolved	**18500**	ug/L	1000	1		06/11/25 10:43	7439-95-4	
Manganese, Dissolved	**36.4**	ug/L	10.0	1		06/11/25 10:43	7439-96-5	
Nickel, Dissolved	**24.6J**	ug/L	40.0	1		06/11/25 10:43	7440-02-0	
Potassium, Dissolved	**156000**	ug/L	5000	1		06/11/25 10:43	7440-09-7	
Sodium, Dissolved	**360000**	ug/L	5000	1		06/11/25 10:43	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:43	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:05	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 18:32	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-1_05/28/25 **Lab ID: 70356901014** Collected: 05/28/25 13:00 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:43	7429-90-5	
Barium	**54.2J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:43	7440-39-3	
Calcium	**11700**	ug/L	200	1	06/12/25 07:04	06/12/25 15:43	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:43	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:43	7440-50-8	
Iron	**9490**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:43	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:43	7439-92-1	
Magnesium	**7130**	ug/L	200	1	06/12/25 07:04	06/12/25 15:43	7439-95-4	
Manganese	**1320**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:43	7439-96-5	
Nickel	**7.6J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:43	7440-02-0	
Potassium	**9190**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:43	7440-09-7	
Sodium	**66900**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:43	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**58600**	ug/L	830	1	06/12/25 07:04	06/12/25 15:43		
Zinc	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:43	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**58600**	ug/L	830	1		06/12/25 15:43		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/05/25 05:39	06/05/25 14:59	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 19:26	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 19:26	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-1_05/28/25 **Lab ID: 70356901014** Collected: 05/28/25 13:00 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 19:26	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:26	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 19:26	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 19:26	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 19:26	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 19:26	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	80-120	1		05/29/25 19:26	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		05/29/25 19:26	460-00-4	
Toluene-d8 (S)	96	%	80-120	1		05/29/25 19:26	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**45.9**	mg/L	1.0	1		06/10/25 17:58		
Alkalinity,Bicarbonate (CaCO3)	**45.9**	mg/L	1.0	1		06/10/25 17:58		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 17:58		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**228**	mg/L	50.0	1		06/04/25 10:47		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 18:25	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**21.4**	mg/L	5.0	1		06/18/25 00:00	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**0.23**	mg/L	0.10	1	06/12/25 02:13	06/12/25 14:00	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/13/25 16:23	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 00:26	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-1_05/28/25 **Lab ID: 70356901014** Collected: 05/28/25 13:00 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:22	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**112**	mg/L	10.0	5		06/02/25 11:43	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.084J**	mg/L	0.10	1		06/11/25 13:55	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: LF-1_05/28/25 DISS **Lab ID: 70356901015** Collected: 05/28/25 13:00 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**36.8J**	ug/L	200	1		06/11/25 10:45	7429-90-5	
Barium, Dissolved	**23.9J**	ug/L	200	1		06/11/25 10:45	7440-39-3	
Calcium, Dissolved	**9050**	ug/L	200	1		06/11/25 10:45	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:45	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:45	7440-50-8	
Iron, Dissolved	**13.5J**	ug/L	20.0	1		06/11/25 10:45	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:45	7439-92-1	
Magnesium, Dissolved	**6200**	ug/L	1000	1		06/11/25 10:45	7439-95-4	
Manganese, Dissolved	**522**	ug/L	10.0	1		06/11/25 10:45	7439-96-5	
Nickel, Dissolved	**8.1J**	ug/L	40.0	1		06/11/25 10:45	7440-02-0	
Potassium, Dissolved	**8900**	ug/L	5000	1		06/11/25 10:45	7440-09-7	
Sodium, Dissolved	**60500**	ug/L	5000	1		06/11/25 10:45	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:45	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:06	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 18:27	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08B_05/28/25 **Lab ID: 70356901016** Collected: 05/28/25 14:50 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/12/25 07:04	06/12/25 15:44	7429-90-5	
Barium	**83.3J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:44	7440-39-3	
Calcium	**19300**	ug/L	200	1	06/12/25 07:04	06/12/25 15:44	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:44	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:44	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:44	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:44	7439-92-1	
Magnesium	**5180**	ug/L	200	1	06/12/25 07:04	06/12/25 15:44	7439-95-4	
Manganese	**522**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:44	7439-96-5	
Nickel	**18.1J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:44	7440-02-0	
Potassium	**9280**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:44	7440-09-7	
Sodium	**112000**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:44	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**69500**	ug/L	830	1	06/12/25 07:04	06/12/25 15:44		
Zinc	**34.1**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:44	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**69500**	ug/L	830	1		06/12/25 15:44		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:26	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 19:46	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 19:46	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08B_05/28/25 **Lab ID: 70356901016** Collected: 05/28/25 14:50 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 19:46	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 19:46	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 19:46	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 19:46	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 19:46	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 19:46	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		05/29/25 19:46	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		05/29/25 19:46	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		05/29/25 19:46	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**12.8**	mg/L	1.0	1		06/10/25 18:03		
Alkalinity,Bicarbonate (CaCO3)	**12.8**	mg/L	1.0	1		06/10/25 18:03		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 18:03		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**326**	mg/L	50.0	1		06/04/25 10:47		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 18:24	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**33.2**	mg/L	5.0	1		06/18/25 00:17	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**<0.10**	mg/L	0.10	1	06/12/25 02:13	06/12/25 14:01	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**2.0**	mg/L	0.25	5		06/13/25 16:24	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 00:27	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08B_05/28/25 **Lab ID: 70356901016** Collected: 05/28/25 14:50 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**10.5**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:23	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**189**	mg/L	20.0	10		06/02/25 11:43	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.056J**	mg/L	0.10	1		06/11/25 13:15	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08B_05/28/25 DISS **Lab ID: 70356901017** Collected: 05/28/25 14:50 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 10:46	7429-90-5	
Barium, Dissolved	**36.2J**	ug/L	200	1		06/11/25 10:46	7440-39-3	
Calcium, Dissolved	**7950**	ug/L	200	1		06/11/25 10:46	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:46	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:46	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:46	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:46	7439-92-1	
Magnesium, Dissolved	**4100**	ug/L	1000	1		06/11/25 10:46	7439-95-4	
Manganese, Dissolved	**47.5**	ug/L	10.0	1		06/11/25 10:46	7439-96-5	
Nickel, Dissolved	**9.1J**	ug/L	40.0	1		06/11/25 10:46	7440-02-0	
Potassium, Dissolved	**6860**	ug/L	5000	1		06/11/25 10:46	7440-09-7	
Sodium, Dissolved	**20600**	ug/L	5000	1		06/11/25 10:46	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:46	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:10	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 18:25	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08A_05/28/25 **Lab ID: 70356901018** Collected: 05/28/25 15:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**43.1J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:46	7429-90-5	
Barium	**68.8J**	ug/L	200	1	06/12/25 07:04	06/12/25 15:46	7440-39-3	
Calcium	**8670**	ug/L	200	1	06/12/25 07:04	06/12/25 15:46	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:46	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/12/25 07:04	06/12/25 15:46	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:46	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/12/25 07:04	06/12/25 15:46	7439-92-1	
Magnesium	**4700**	ug/L	200	1	06/12/25 07:04	06/12/25 15:46	7439-95-4	
Manganese	**121**	ug/L	10.0	1	06/12/25 07:04	06/12/25 15:46	7439-96-5	
Nickel	**10.8J**	ug/L	40.0	1	06/12/25 07:04	06/12/25 15:46	7440-02-0	
Potassium	**6770**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:46	7440-09-7	
Sodium	**22600**	ug/L	5000	1	06/12/25 07:04	06/12/25 15:46	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**41000**	ug/L	830	1	06/12/25 07:04	06/12/25 15:46		
Zinc	**7.2J**	ug/L	20.0	1	06/12/25 07:04	06/12/25 15:46	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**41000**	ug/L	830	1		06/12/25 15:46		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:30	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 20:05	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-00-3	
Chloroform	**1.1**	ug/L	1.0	1		05/29/25 20:05	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-35-4	
cis-1,2-Dichloroethene	**10.4**	ug/L	1.0	1		05/29/25 20:05	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	78-87-5	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08A_05/28/25 **Lab ID: 70356901018** Collected: 05/28/25 15:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 20:05	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-09-2	
Tetrachloroethene	**7.8**	ug/L	1.0	1		05/29/25 20:05	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:05	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 20:05	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 20:05	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 20:05	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 20:05	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	80-120	1		05/29/25 20:05	17060-07-0	
4-Bromofluorobenzene (S)	92	%	80-120	1		05/29/25 20:05	460-00-4	
Toluene-d8 (S)	93	%	80-120	1		05/29/25 20:05	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**12.4**	mg/L	1.0	1		06/10/25 18:08		
Alkalinity,Bicarbonate (CaCO3)	**12.4**	mg/L	1.0	1		06/10/25 18:08		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/10/25 18:08		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**114**	mg/L	50.0	1		06/04/25 10:47		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 15:31	18540-29-9	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**37.6**	mg/L	5.0	1		06/18/25 00:35	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**0.11**	mg/L	0.10	1	06/12/25 02:13	06/12/25 14:02	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**1.2**	mg/L	0.25	5		06/13/25 16:25	14797-55-8	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 00:29	14797-65-0	

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516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08A_05/28/25 **Lab ID: 70356901018** Collected: 05/28/25 15:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**10.2**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:24	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**31.4**	mg/L	2.0	1		06/02/25 11:44	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		06/11/25 13:16	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-08A_05/28/25 DISS **Lab ID: 70356901019** Collected: 05/28/25 15:35 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**36.1J**	ug/L	200	1		06/11/25 10:48	7429-90-5	
Barium, Dissolved	**53.4J**	ug/L	200	1		06/11/25 10:48	7440-39-3	
Calcium, Dissolved	**17000**	ug/L	200	1		06/11/25 10:48	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:48	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:48	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:48	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:48	7439-92-1	
Magnesium, Dissolved	**4800**	ug/L	1000	1		06/11/25 10:48	7439-95-4	
Manganese, Dissolved	**264**	ug/L	10.0	1		06/11/25 10:48	7439-96-5	
Nickel, Dissolved	**14.4J**	ug/L	40.0	1		06/11/25 10:48	7440-02-0	
Potassium, Dissolved	**8830**	ug/L	5000	1		06/11/25 10:48	7440-09-7	
Sodium, Dissolved	**100000**	ug/L	5000	1		06/11/25 10:48	7440-23-5	
Zinc, Dissolved	**8.7J**	ug/L	20.0	1		06/11/25 10:48	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:12	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/29/25 15:32	18540-29-9	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: TRIP BLANK_05/28/25 **Lab ID: 70356901020** Collected: 05/28/25 00:00 Received: 05/29/25 08:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/29/25 20:24	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/29/25 20:24	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-34-3	v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	78-87-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/29/25 20:24	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/29/25 20:24	71-55-6	L2
Trichloroethene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/29/25 20:24	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/29/25 20:24	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		05/29/25 20:24	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/29/25 20:24	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	80-120	1		05/29/25 20:24	17060-07-0	
4-Bromofluorobenzene (S)	90	%	80-120	1		05/29/25 20:24	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		05/29/25 20:24	2037-26-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06B_05/29/25 **Lab ID: 70356901021** Collected: 05/29/25 11:00 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:45	7429-90-5	
Barium	**78.1J**	ug/L	200	1	06/13/25 07:06	06/16/25 11:45	7440-39-3	
Calcium	**35200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:45	7440-70-2	
Chromium	**1.2J**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:45	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/13/25 07:06	06/16/25 11:45	7440-50-8	
Iron	**25800**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:45	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/13/25 07:06	06/16/25 11:45	7439-92-1	
Magnesium	**29800**	ug/L	200	1	06/13/25 07:06	06/16/25 11:45	7439-95-4	
Manganese	**55.7**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:45	7439-96-5	
Nickel	**5.3J**	ug/L	40.0	1	06/13/25 07:06	06/16/25 11:45	7440-02-0	
Potassium	**53500**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:45	7440-09-7	
Sodium	**88700**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:45	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**211000**	ug/L	830	1	06/13/25 07:06	06/16/25 11:45		
Zinc	**<20.0**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:45	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**211000**	ug/L	830	1		06/16/25 11:45		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:37	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**0.96J**	ug/L	1.0	1		06/02/25 19:18	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/02/25 19:18	56-23-5	
Chlorobenzene	**8.4**	ug/L	1.0	1		06/02/25 19:18	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/02/25 19:18	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	541-73-1	
1,4-Dichlorobenzene	**2.5**	ug/L	1.0	1		06/02/25 19:18	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	156-59-2	L2
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06B_05/29/25 **Lab ID: 70356901021** Collected: 05/29/25 11:00 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/02/25 19:18	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:18	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/02/25 19:18	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/02/25 19:18	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/02/25 19:18	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/02/25 19:18	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	80-120	1		06/02/25 19:18	17060-07-0	
4-Bromofluorobenzene (S)	95	%	80-120	1		06/02/25 19:18	460-00-4	
Toluene-d8 (S)	96	%	80-120	1		06/02/25 19:18	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**544**	mg/L	1.0	1		06/11/25 11:52		
Alkalinity,Bicarbonate (CaCO3)	**544**	mg/L	1.0	1		06/11/25 11:52		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/11/25 11:52		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**516**	mg/L	50.0	1		06/05/25 09:34		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/30/25 15:26	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**3.2J**	mg/L	5.0	1		06/18/25 00:52	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**62.2**	mg/L	5.0	50	06/12/25 02:13	06/12/25 14:17	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/13/25 16:26	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 22:33	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06B_05/29/25 **Lab ID: 70356901021** Collected: 05/29/25 11:00 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:26	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**104**	mg/L	10.0	5		06/02/25 11:45	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**68.9**	mg/L	2.0	20		06/11/25 14:04	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06B_05/29/25 DISS **Lab ID: 70356901022** Collected: 05/29/25 11:00 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 10:58	7429-90-5	
Barium, Dissolved	**36.4J**	ug/L	200	1		06/11/25 10:58	7440-39-3	
Calcium, Dissolved	**32400**	ug/L	200	1		06/11/25 10:58	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:58	7440-47-3	
Copper, Dissolved	**14.6J**	ug/L	25.0	1		06/11/25 10:58	7440-50-8	B
Iron, Dissolved	**15.4J**	ug/L	20.0	1		06/11/25 10:58	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:58	7439-92-1	
Magnesium, Dissolved	**28300**	ug/L	1000	1		06/11/25 10:58	7439-95-4	
Manganese, Dissolved	**18.2**	ug/L	10.0	1		06/11/25 10:58	7439-96-5	
Nickel, Dissolved	**6.7J**	ug/L	40.0	1		06/11/25 10:58	7440-02-0	
Potassium, Dissolved	**51200**	ug/L	5000	1		06/11/25 10:58	7440-09-7	
Sodium, Dissolved	**83000**	ug/L	5000	1		06/11/25 10:58	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:58	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:13	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/30/25 15:27	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06E_05/29/25 **Lab ID: 70356901023** Collected: 05/29/25 13:45 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:46	7429-90-5	
Barium	**74.7J**	ug/L	200	1	06/13/25 07:06	06/16/25 11:46	7440-39-3	
Calcium	**14300**	ug/L	200	1	06/13/25 07:06	06/16/25 11:46	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:46	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/13/25 07:06	06/16/25 11:46	7440-50-8	
Iron	**22900**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:46	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/13/25 07:06	06/16/25 11:46	7439-92-1	
Magnesium	**10200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:46	7439-95-4	
Manganese	**147**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:46	7439-96-5	
Nickel	**9.4J**	ug/L	40.0	1	06/13/25 07:06	06/16/25 11:46	7440-02-0	
Potassium	**15200**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:46	7440-09-7	
Sodium	**152000**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:46	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**77700**	ug/L	830	1	06/13/25 07:06	06/16/25 11:46		
Zinc	**4.0J**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:46	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**77700**	ug/L	830	1		06/16/25 11:46		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:38	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/03/25 13:30	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/03/25 13:30	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-34-3	L2,v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06E_05/29/25 **Lab ID: 70356901023** Collected: 05/29/25 13:45 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/03/25 13:30	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 13:30	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/03/25 13:30	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/03/25 13:30	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/03/25 13:30	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/03/25 13:30	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%	80-120	1		06/03/25 13:30	17060-07-0	
4-Bromofluorobenzene (S)	94	%	80-120	1		06/03/25 13:30	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		06/03/25 13:30	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**115**	mg/L	1.0	1		06/11/25 12:00		
Alkalinity,Bicarbonate (CaCO3)	**115**	mg/L	1.0	1		06/11/25 12:00		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/11/25 12:00		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**560**	mg/L	50.0	1		06/05/25 09:34		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/30/25 15:27	18540-29-9	H1,M1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**77.6**	mg/L	5.0	1		06/18/25 01:10	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**6.8**	mg/L	0.50	5	06/12/25 02:13	06/12/25 14:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate-Nitrite (as N)	**0.30**	mg/L	0.050	1		06/13/25 16:28	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 22:34	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06E_05/29/25 **Lab ID: 70356901023** Collected: 05/29/25 13:45 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:27	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**200**	mg/L	10.0	5		06/02/25 11:45	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**6.3**	mg/L	0.50	5		06/11/25 13:57	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06E_05/29/25 DISS **Lab ID: 70356901024** Collected: 05/29/25 13:45 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 10:59	7429-90-5	
Barium, Dissolved	**45.0J**	ug/L	200	1		06/11/25 10:59	7440-39-3	
Calcium, Dissolved	**12100**	ug/L	200	1		06/11/25 10:59	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 10:59	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 10:59	7440-50-8	
Iron, Dissolved	**6330**	ug/L	20.0	1		06/11/25 10:59	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 10:59	7439-92-1	
Magnesium, Dissolved	**9140**	ug/L	1000	1		06/11/25 10:59	7439-95-4	
Manganese, Dissolved	**89.6**	ug/L	10.0	1		06/11/25 10:59	7439-96-5	
Nickel, Dissolved	**8.8J**	ug/L	40.0	1		06/11/25 10:59	7440-02-0	
Potassium, Dissolved	**14000**	ug/L	5000	1		06/11/25 10:59	7440-09-7	
Sodium, Dissolved	**135000**	ug/L	5000	1		06/11/25 10:59	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 10:59	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:15	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/30/25 15:29	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06C_05/29/25 **Lab ID: 70356901025** Collected: 05/29/25 15:15 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:48	7429-90-5	
Barium	**32.8J**	ug/L	200	1	06/13/25 07:06	06/16/25 11:48	7440-39-3	
Calcium	**50900**	ug/L	200	1	06/13/25 07:06	06/16/25 11:48	7440-70-2	
Chromium	**1.2J**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:48	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/13/25 07:06	06/16/25 11:48	7440-50-8	
Iron	**7260**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:48	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/13/25 07:06	06/16/25 11:48	7439-92-1	
Magnesium	**14900**	ug/L	200	1	06/13/25 07:06	06/16/25 11:48	7439-95-4	
Manganese	**123**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:48	7439-96-5	
Nickel	**14.7J**	ug/L	40.0	1	06/13/25 07:06	06/16/25 11:48	7440-02-0	
Potassium	**61900**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:48	7440-09-7	
Sodium	**240000**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:48	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**188000**	ug/L	830	1	06/13/25 07:06	06/16/25 11:48		
Zinc	**<20.0**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:48	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**188000**	ug/L	830	1		06/16/25 11:48		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:40	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**1.1**	ug/L	1.0	1		06/02/25 19:57	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/02/25 19:57	56-23-5	
Chlorobenzene	**4.0**	ug/L	1.0	1		06/02/25 19:57	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/02/25 19:57	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	541-73-1	
1,4-Dichlorobenzene	**1.5**	ug/L	1.0	1		06/02/25 19:57	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	156-59-2	L2
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	78-87-5	

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516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06C_05/29/25 **Lab ID: 70356901025** Collected: 05/29/25 15:15 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	100-41-4	
Isopropylbenzene (Cumene)	**1.7**	ug/L	1.0	1		06/02/25 19:57	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 19:57	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/02/25 19:57	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/02/25 19:57	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/02/25 19:57	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/02/25 19:57	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	80-120	1		06/02/25 19:57	17060-07-0	
4-Bromofluorobenzene (S)	96	%	80-120	1		06/02/25 19:57	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		06/02/25 19:57	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**716**	mg/L	1.0	1		06/11/25 12:29		
Alkalinity,Bicarbonate (CaCO3)	**716**	mg/L	1.0	1		06/11/25 12:29		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/11/25 12:29		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**18400**	mg/L	500	1		06/05/25 09:34		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/30/25 15:29	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**0.48J**	mg/L	5.0	1		06/18/25 01:27	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**63.0**	mg/L	5.0	50	06/12/25 02:13	06/12/25 14:18	7727-37-9	M1
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/13/25 16:29	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 22:39	14797-65-0	

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06C_05/29/25 **Lab ID: 70356901025** Collected: 05/29/25 15:15 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:28	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**225**	mg/L	10.0	5		06/02/25 11:47	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**61.1**	mg/L	2.0	20		06/11/25 14:06	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06C_05/29/25 DISS **Lab ID: 70356901026** Collected: 05/29/25 15:15 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 11:01	7429-90-5	
Barium, Dissolved	**14.5J**	ug/L	200	1		06/11/25 11:01	7440-39-3	
Calcium, Dissolved	**46900**	ug/L	200	1		06/11/25 11:01	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 11:01	7440-47-3	
Copper, Dissolved	**9.3J**	ug/L	25.0	1		06/11/25 11:01	7440-50-8	B
Iron, Dissolved	**61.5**	ug/L	20.0	1		06/11/25 11:01	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 11:01	7439-92-1	
Magnesium, Dissolved	**14100**	ug/L	1000	1		06/11/25 11:01	7439-95-4	
Manganese, Dissolved	**46.0**	ug/L	10.0	1		06/11/25 11:01	7439-96-5	
Nickel, Dissolved	**15.7J**	ug/L	40.0	1		06/11/25 11:01	7440-02-0	
Potassium, Dissolved	**60000**	ug/L	5000	1		06/11/25 11:01	7440-09-7	
Sodium, Dissolved	**207000**	ug/L	5000	1		06/11/25 11:01	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:01	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:19	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/30/25 15:30	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: TRIP BLANK_05/29/25 **Lab ID: 70356901027** Collected: 05/29/25 00:00 Received: 05/30/25 08:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/03/25 14:16	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/03/25 14:16	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-34-3	L2,v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	78-87-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/03/25 14:16	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:16	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/03/25 14:16	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/03/25 14:16	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/03/25 14:16	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/03/25 14:16	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	80-120	1		06/03/25 14:16	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		06/03/25 14:16	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		06/03/25 14:16	2037-26-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06F_05/30/25 **Lab ID: 70356901028** Collected: 05/30/25 11:35 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**235**	ug/L	200	1	06/13/25 07:06	06/16/25 11:49	7429-90-5	
Barium	**297**	ug/L	200	1	06/13/25 07:06	06/16/25 11:49	7440-39-3	
Calcium	**52100**	ug/L	200	1	06/13/25 07:06	06/16/25 11:49	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:49	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/13/25 07:06	06/16/25 11:49	7440-50-8	
Iron	**68.2**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:49	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/13/25 07:06	06/16/25 11:49	7439-92-1	
Magnesium	**19800**	ug/L	200	1	06/13/25 07:06	06/16/25 11:49	7439-95-4	
Manganese	**161**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:49	7439-96-5	
Nickel	**38.2J**	ug/L	40.0	1	06/13/25 07:06	06/16/25 11:49	7440-02-0	
Potassium	**12600**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:49	7440-09-7	
Sodium	**228000**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:49	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**212000**	ug/L	830	1	06/13/25 07:06	06/16/25 11:49		
Zinc	**29.5**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:49	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**212000**	ug/L	830	1		06/16/25 11:49		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**0.28**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:43	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/02/25 20:16	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/02/25 20:16	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	156-59-2	L2
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06F_05/30/25 **Lab ID: 70356901028** Collected: 05/30/25 11:35 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/02/25 20:16	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:16	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/02/25 20:16	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/02/25 20:16	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/02/25 20:16	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/02/25 20:16	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	80-120	1		06/02/25 20:16	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		06/02/25 20:16	460-00-4	
Toluene-d8 (S)	96	%	80-120	1		06/02/25 20:16	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**<1.0**	mg/L	1.0	1		06/11/25 12:59		
Alkalinity,Bicarbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/11/25 12:59		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/11/25 12:59		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**886**	mg/L	50.0	1		06/06/25 11:14		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/31/25 14:26	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**<5.0**	mg/L	5.0	1		06/18/25 01:45	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**<0.10**	mg/L	0.10	1	06/12/25 02:13	06/12/25 14:07	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate-Nitrite (as N)	**3.3**	mg/L	0.25	5		06/13/25 16:48	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 23:04	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06F_05/30/25 **Lab ID: 70356901028** Collected: 05/30/25 11:35 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:29	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**523**	mg/L	20.0	10		06/02/25 11:48	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.34**	mg/L	0.10	1		06/11/25 13:24	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06F_05/30/25 DISS **Lab ID: 70356901029** Collected: 05/30/25 11:35 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**133J**	ug/L	200	1		06/11/25 11:02	7429-90-5	
Barium, Dissolved	**272**	ug/L	200	1		06/11/25 11:02	7440-39-3	
Calcium, Dissolved	**52000**	ug/L	200	1		06/11/25 11:02	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 11:02	7440-47-3	
Copper, Dissolved	**6.1J**	ug/L	25.0	1		06/11/25 11:02	7440-50-8	B
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:02	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 11:02	7439-92-1	
Magnesium, Dissolved	**19500**	ug/L	1000	1		06/11/25 11:02	7439-95-4	
Manganese, Dissolved	**134**	ug/L	10.0	1		06/11/25 11:02	7439-96-5	
Nickel, Dissolved	**35.3J**	ug/L	40.0	1		06/11/25 11:02	7440-02-0	
Potassium, Dissolved	**12000**	ug/L	5000	1		06/11/25 11:02	7440-09-7	
Sodium, Dissolved	**206000**	ug/L	5000	1		06/11/25 11:02	7440-23-5	
Zinc, Dissolved	**17.2J**	ug/L	20.0	1		06/11/25 11:02	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:23	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/31/25 14:28	18540-29-9	H1

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06A_05/30/25 **Lab ID: 70356901030** Collected: 05/30/25 12:50 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:51	7429-90-5	
Barium	**15.7J**	ug/L	200	1	06/13/25 07:06	06/16/25 11:51	7440-39-3	
Calcium	**1150**	ug/L	200	1	06/13/25 07:06	06/16/25 11:51	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:51	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/13/25 07:06	06/16/25 11:51	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:51	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/13/25 07:06	06/16/25 11:51	7439-92-1	
Magnesium	**1190**	ug/L	200	1	06/13/25 07:06	06/16/25 11:51	7439-95-4	
Manganese	**3.0J**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:51	7439-96-5	
Nickel	**7.1J**	ug/L	40.0	1	06/13/25 07:06	06/16/25 11:51	7440-02-0	
Potassium	**1760J**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:51	7440-09-7	
Sodium	**6720**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:51	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**7770**	ug/L	830	1	06/13/25 07:06	06/16/25 11:51		
Zinc	**4.2J**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:51	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**7770**	ug/L	830	1		06/16/25 11:51		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:44	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/02/25 20:36	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/02/25 20:36	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	156-59-2	L2
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	78-87-5	

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516-370-6000

ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06A_05/30/25 **Lab ID: 70356901030** Collected: 05/30/25 12:50 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/02/25 20:36	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/25 20:36	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/02/25 20:36	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/02/25 20:36	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/02/25 20:36	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/02/25 20:36	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	80-120	1		06/02/25 20:36	17060-07-0	
4-Bromofluorobenzene (S)	100	%	80-120	1		06/02/25 20:36	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		06/02/25 20:36	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**4.4**	mg/L	1.0	1		06/11/25 13:04		
Alkalinity,Bicarbonate (CaCO3)	**4.4**	mg/L	1.0	1		06/11/25 13:04		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/11/25 13:04		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**<25.0**	mg/L	25.0	1		06/06/25 11:19		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/31/25 14:29	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**6.4**	mg/L	5.0	1		06/18/25 02:02	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**<0.10**	mg/L	0.10	1	06/12/25 02:13	06/12/25 14:08	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate-Nitrite (as N)	**0.084**	mg/L	0.050	1		06/13/25 16:31	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 23:14	14797-65-0	M1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06A_05/30/25 **Lab ID: 70356901030** Collected: 05/30/25 12:50 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:30	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**8.1**	mg/L	2.0	1		06/04/25 10:21	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		06/11/25 13:25	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: MW-06A_05/30/25 DISS **Lab ID: 70356901031** Collected: 05/30/25 12:50 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 11:04	7429-90-5	
Barium, Dissolved	**6.1J**	ug/L	200	1		06/11/25 11:04	7440-39-3	
Calcium, Dissolved	**760**	ug/L	200	1		06/11/25 11:04	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 11:04	7440-47-3	
Copper, Dissolved	**8.6J**	ug/L	25.0	1		06/11/25 11:04	7440-50-8	B
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:04	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 11:04	7439-92-1	
Magnesium, Dissolved	**920J**	ug/L	1000	1		06/11/25 11:04	7439-95-4	
Manganese, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 11:04	7439-96-5	
Nickel, Dissolved	**7.4J**	ug/L	40.0	1		06/11/25 11:04	7440-02-0	
Potassium, Dissolved	**1750J**	ug/L	5000	1		06/11/25 11:04	7440-09-7	
Sodium, Dissolved	**6040**	ug/L	5000	1		06/11/25 11:04	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:04	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:53	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/31/25 14:29	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: FIELD BLANK_05/30/25 **Lab ID: 70356901032** Collected: 05/30/25 13:30 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:52	7429-90-5	
Barium	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:52	7440-39-3	
Calcium	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:52	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:52	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/13/25 07:06	06/16/25 11:52	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:52	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	06/13/25 07:06	06/16/25 11:52	7439-92-1	
Magnesium	**<200**	ug/L	200	1	06/13/25 07:06	06/16/25 11:52	7439-95-4	
Manganese	**<10.0**	ug/L	10.0	1	06/13/25 07:06	06/16/25 11:52	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	06/13/25 07:06	06/16/25 11:52	7440-02-0	
Potassium	**<5000**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:52	7440-09-7	
Sodium	**<5000**	ug/L	5000	1	06/13/25 07:06	06/16/25 11:52	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**<830**	ug/L	830	1	06/13/25 07:06	06/16/25 11:52		
Zinc	**<20.0**	ug/L	20.0	1	06/13/25 07:06	06/16/25 11:52	7440-66-6	
2340B Hardness, Total (Calc.)	Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	**<830**	ug/L	830	1		06/16/25 11:52		
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury	**<0.20**	ug/L	0.20	1	06/09/25 07:58	06/09/25 13:45	7439-97-6	
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/03/25 14:36	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/03/25 14:36	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-34-3	L2,v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	78-87-5	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: FIELD BLANK_05/30/25 **Lab ID: 70356901032** Collected: 05/30/25 13:30 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/03/25 14:36	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:36	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/03/25 14:36	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/03/25 14:36	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/03/25 14:36	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/03/25 14:36	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	80-120	1		06/03/25 14:36	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		06/03/25 14:36	460-00-4	
Toluene-d8 (S)	96	%	80-120	1		06/03/25 14:36	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**0.77J**	mg/L	1.0	1		06/11/25 13:07		
Alkalinity,Bicarbonate (CaCO3)	**0.77J**	mg/L	1.0	1		06/11/25 13:07		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		06/11/25 13:07		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**31.0**	mg/L	25.0	1		06/06/25 11:20		
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/31/25 14:29	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**<5.0**	mg/L	5.0	1		06/18/25 02:20	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**<0.10**	mg/L	0.10	1	06/12/25 02:13	06/12/25 14:11	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/13/25 16:32	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/30/25 23:22	14797-65-0	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: FIELD BLANK_05/30/25 **Lab ID: 70356901032** Collected: 05/30/25 13:30 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C Pace Analytical Services - Melville							
Cyanide	**10.6**	ug/L	10.0	1	06/02/25 13:30	06/02/25 15:32	57-12-5	
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**<2.0**	mg/L	2.0	1		06/04/25 10:23	16887-00-6	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		06/11/25 13:26	7664-41-7	

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: FIELD BLANK_05/30/25 DISS **Lab ID: 70356901033** Collected: 05/30/25 13:30 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Dissolved	Analytical Method: EPA 200.7 Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		06/11/25 11:05	7429-90-5	
Barium, Dissolved	**<200**	ug/L	200	1		06/11/25 11:05	7440-39-3	
Calcium, Dissolved	**<200**	ug/L	200	1		06/11/25 11:05	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 11:05	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		06/11/25 11:05	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:05	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		06/11/25 11:05	7439-92-1	
Magnesium, Dissolved	**<1000**	ug/L	1000	1		06/11/25 11:05	7439-95-4	
Manganese, Dissolved	**<10.0**	ug/L	10.0	1		06/11/25 11:05	7439-96-5	
Nickel, Dissolved	**<40.0**	ug/L	40.0	1		06/11/25 11:05	7440-02-0	
Potassium, Dissolved	**<5000**	ug/L	5000	1		06/11/25 11:05	7440-09-7	
Sodium, Dissolved	**<5000**	ug/L	5000	1		06/11/25 11:05	7440-23-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		06/11/25 11:05	7440-66-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Melville							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	06/11/25 07:34	06/11/25 14:55	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/31/25 14:30	18540-29-9	H1

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ANALYTICAL RESULTS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Sample: TRIP BLANK_5/30/25 **Lab ID: 70356901034** Collected: 05/30/25 00:00 Received: 05/30/25 15:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D Volatile Organics	Analytical Method: EPA 8260D/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-25-2	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	104-51-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/03/25 14:55	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/03/25 14:55	67-66-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-71-8	IL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-34-3	L2,v3
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	78-87-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/03/25 14:55	98-82-8	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-09-2	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/03/25 14:55	71-55-6	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/03/25 14:55	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/03/25 14:55	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/03/25 14:55	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/03/25 14:55	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	80-120	1		06/03/25 14:55	17060-07-0	
4-Bromofluorobenzene (S)	93	%	80-120	1		06/03/25 14:55	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		06/03/25 14:55	2037-26-5	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403692
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Dissolved
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901002, 70356901004, 70356901006, 70356901008, 70356901010, 70356901013, 70356901015, 70356901017, 70356901019, 70356901022, 70356901024, 70356901026, 70356901029, 70356901031, 70356901033

METHOD BLANK: 2134229
Matrix: Water
Associated Lab Samples: 70356901002, 70356901004, 70356901006, 70356901008, 70356901010, 70356901013, 70356901015, 70356901017, 70356901019, 70356901022, 70356901024, 70356901026, 70356901029, 70356901031, 70356901033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<200	200	06/11/25 10:13	
Barium, Dissolved	ug/L	<200	200	06/11/25 10:13	
Calcium, Dissolved	ug/L	<200	200	06/11/25 10:13	
Chromium, Dissolved	ug/L	<10.0	10.0	06/11/25 10:13	
Copper, Dissolved	ug/L	7.7J	25.0	06/11/25 10:13	
Iron, Dissolved	ug/L	<20.0	20.0	06/11/25 10:13	
Lead, Dissolved	ug/L	<5.0	5.0	06/11/25 10:13	
Magnesium, Dissolved	ug/L	<1000	1000	06/11/25 10:13	
Manganese, Dissolved	ug/L	<10.0	10.0	06/11/25 10:13	
Nickel, Dissolved	ug/L	<40.0	40.0	06/11/25 10:13	
Potassium, Dissolved	ug/L	<5000	5000	06/11/25 10:13	
Sodium, Dissolved	ug/L	<5000	5000	06/11/25 10:13	
Zinc, Dissolved	ug/L	<20.0	20.0	06/11/25 10:13	

LABORATORY CONTROL SAMPLE: 2134230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	25000	24800	99	85-115	
Barium, Dissolved	ug/L	500	471	94	85-115	
Calcium, Dissolved	ug/L	25000	25800	103	85-115	
Chromium, Dissolved	ug/L	500	484	97	85-115	
Copper, Dissolved	ug/L	500	493	99	85-115	
Iron, Dissolved	ug/L	12500	12500	100	85-115	
Lead, Dissolved	ug/L	500	484	97	85-115	
Magnesium, Dissolved	ug/L	25000	25200	101	85-115	
Manganese, Dissolved	ug/L	500	479	96	85-115	
Nickel, Dissolved	ug/L	500	478	96	85-115	
Potassium, Dissolved	ug/L	25000	23000	92	85-115	
Sodium, Dissolved	ug/L	25000	23000	92	85-115	
Zinc, Dissolved	ug/L	500	490	98	85-115	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

MATRIX SPIKE SAMPLE: 2134232

Parameter	Units	70358601001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	213	12500	13700	108	70-130	
Barium, Dissolved	ug/L	<200	500	528	96	70-130	
Calcium, Dissolved	ug/L	19800	12500	32400	101	70-130	
Chromium, Dissolved	ug/L	<10.0	500	497	99	70-130	
Copper, Dissolved	ug/L	<25.0	500	580	116	70-130	
Iron, Dissolved	ug/L	<20.0	5000	5180	104	70-130	
Lead, Dissolved	ug/L	<5.0	500	493	98	70-130	
Magnesium, Dissolved	ug/L	3700	12500	16400	102	70-130	
Manganese, Dissolved	ug/L	2720	500	3050	66	70-130	M1
Nickel, Dissolved	ug/L	<40.0	500	464	92	70-130	
Potassium, Dissolved	ug/L	<5000	12500	13600	93	70-130	
Sodium, Dissolved	ug/L	21300	12500	32400	89	70-130	
Zinc, Dissolved	ug/L	<20.0	500	509	102	70-130	

MATRIX SPIKE SAMPLE: 2134234

Parameter	Units	70358601002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	357	12500	13800	108	70-130	
Barium, Dissolved	ug/L	<200	500	532	96	70-130	
Calcium, Dissolved	ug/L	20400	12500	33200	102	70-130	
Chromium, Dissolved	ug/L	<10.0	500	498	100	70-130	
Copper, Dissolved	ug/L	<25.0	500	571	113	70-130	
Iron, Dissolved	ug/L	<20.0	5000	5220	104	70-130	
Lead, Dissolved	ug/L	<5.0	500	494	99	70-130	
Magnesium, Dissolved	ug/L	3590	12500	16300	102	70-130	
Manganese, Dissolved	ug/L	5790	500	6000	42	70-130	M1
Nickel, Dissolved	ug/L	<40.0	500	467	93	70-130	
Potassium, Dissolved	ug/L	<5000	12500	13500	92	70-130	
Sodium, Dissolved	ug/L	12700	12500	24100	91	70-130	
Zinc, Dissolved	ug/L	<20.0	500	513	102	70-130	

SAMPLE DUPLICATE: 2134231

Parameter	Units	70358601001 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	213	182J		
Barium, Dissolved	ug/L	<200	47.1J		
Calcium, Dissolved	ug/L	19800	19700	1	
Chromium, Dissolved	ug/L	<10.0	<10.0		
Copper, Dissolved	ug/L	<25.0	<25.0		
Iron, Dissolved	ug/L	<20.0	<20.0		
Lead, Dissolved	ug/L	<5.0	<5.0		
Magnesium, Dissolved	ug/L	3700	3690	0	
Manganese, Dissolved	ug/L	2720	2710	0	
Nickel, Dissolved	ug/L	<40.0	<40.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

SAMPLE DUPLICATE: 2134231

Parameter	Units	70358601001 Result	Dup Result	RPD	Qualifiers
Potassium, Dissolved	ug/L	<5000	2000J		
Sodium, Dissolved	ug/L	21300	21200	0	
Zinc, Dissolved	ug/L	<20.0	<20.0		

SAMPLE DUPLICATE: 2134233

Parameter	Units	70358601002 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	357	359	1	
Barium, Dissolved	ug/L	<200	50.4J		
Calcium, Dissolved	ug/L	20400	20500	0	
Chromium, Dissolved	ug/L	<10.0	<10.0		
Copper, Dissolved	ug/L	<25.0	<25.0		
Iron, Dissolved	ug/L	<20.0	13.8J		
Lead, Dissolved	ug/L	<5.0	<5.0		
Magnesium, Dissolved	ug/L	3590	3600	0	
Manganese, Dissolved	ug/L	5790	5800	0	
Nickel, Dissolved	ug/L	<40.0	<40.0		
Potassium, Dissolved	ug/L	<5000	1980J		
Sodium, Dissolved	ug/L	12700	12800	1	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 402645 | Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 | Analysis Description: 245.1 Mercury
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014

METHOD BLANK: 2127285 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	06/05/25 14:19	

LABORATORY CONTROL SAMPLE: 2127286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.96	96	85-115	

MATRIX SPIKE SAMPLE: 2127287

Parameter	Units	70357656003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.15	1	0.56	56	70-130	M1

MATRIX SPIKE SAMPLE: 2127289

Parameter	Units	70357656005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.15	1	0.70	70	70-130	

SAMPLE DUPLICATE: 2127288

Parameter	Units	70357656003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.15	<0.20		

SAMPLE DUPLICATE: 2127290

Parameter	Units	70357656005 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.15	<0.20		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403182 | Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 | Analysis Description: 245.1 Mercury
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2130925 Matrix: Water
Associated Lab Samples: 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	06/09/25 13:20	

LABORATORY CONTROL SAMPLE: 2130926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.94	94	85-115	

MATRIX SPIKE SAMPLE: 2130927

Parameter	Units	70356901018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	0.88	88	70-130	

MATRIX SPIKE SAMPLE: 2131213

Parameter	Units	70356901016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	0.95	89	70-130	

SAMPLE DUPLICATE: 2130928

Parameter	Units	70356901018 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

SAMPLE DUPLICATE: 2131214

Parameter	Units	70356901016 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403683
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury - Dissolved
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901002, 70356901004, 70356901006, 70356901008, 70356901010, 70356901013, 70356901015, 70356901017, 70356901019, 70356901022, 70356901024, 70356901026, 70356901029, 70356901031, 70356901033

METHOD BLANK: 2134202 Matrix: Water
Associated Lab Samples: 70356901002, 70356901004, 70356901006, 70356901008, 70356901010, 70356901013, 70356901015, 70356901017, 70356901019, 70356901022, 70356901024, 70356901026, 70356901029, 70356901031, 70356901033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.20	0.20	06/11/25 13:54	

LABORATORY CONTROL SAMPLE: 2134203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	0.95	95	85-115	

MATRIX SPIKE SAMPLE: 2134204

Parameter	Units	70356901024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	<0.20	1	0.95	92	70-130	

MATRIX SPIKE SAMPLE: 2134206

Parameter	Units	70356901026 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	<0.20	1	0.97	94	70-130	

SAMPLE DUPLICATE: 2134205

Parameter	Units	70356901024 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	<0.20	<0.20		

SAMPLE DUPLICATE: 2134207

Parameter	Units	70356901026 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403934
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018

METHOD BLANK: 2135948 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	06/12/25 15:26	
Barium	ug/L	<200	200	06/12/25 15:26	
Calcium	ug/L	<200	200	06/12/25 15:26	
Chromium	ug/L	<10.0	10.0	06/12/25 15:26	
Copper	ug/L	<25.0	25.0	06/12/25 15:26	
Iron	ug/L	<20.0	20.0	06/12/25 15:26	
Lead	ug/L	<5.0	5.0	06/12/25 15:26	
Magnesium	ug/L	<200	200	06/12/25 15:26	
Manganese	ug/L	<10.0	10.0	06/12/25 15:26	
Nickel	ug/L	<40.0	40.0	06/12/25 15:26	
Potassium	ug/L	<5000	5000	06/12/25 15:26	
Sodium	ug/L	<5000	5000	06/12/25 15:26	
Tot Hardness asCaCO3 (SM 2340B	ug/L	<830	830	06/12/25 15:26	
Zinc	ug/L	<20.0	20.0	06/12/25 15:26	

LABORATORY CONTROL SAMPLE: 2135949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	25000	24300	97	85-115	
Barium	ug/L	500	500	100	85-115	
Calcium	ug/L	25000	24900	100	85-115	
Chromium	ug/L	500	485	97	85-115	
Copper	ug/L	500	496	99	85-115	
Iron	ug/L	12500	12200	98	85-115	
Lead	ug/L	500	502	100	85-115	
Magnesium	ug/L	25000	24600	98	85-115	
Manganese	ug/L	500	486	97	85-115	
Nickel	ug/L	500	502	100	85-115	
Potassium	ug/L	25000	24300	97	85-115	
Sodium	ug/L	25000	24700	99	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L		163000			
Zinc	ug/L	500	500	100	85-115	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

MATRIX SPIKE SAMPLE: 2135951

Parameter	Units	70359318004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	256	12500	13900	109	70-130	
Barium	ug/L	<200	500	497	99	70-130	
Calcium	ug/L	20000	12500	33200	106	70-130	
Chromium	ug/L	<10.0	500	484	97	70-130	
Copper	ug/L	<25.0	500	501	100	70-130	
Iron	ug/L	29.9	5000	5130	102	70-130	
Lead	ug/L	<5.0	500	498	100	70-130	
Magnesium	ug/L	17200	12500	29800	101	70-130	
Manganese	ug/L	25.8	500	518	98	70-130	
Nickel	ug/L	<40.0	500	479	94	70-130	
Potassium	ug/L	13100	12500	27900	118	70-130	
Sodium	ug/L	248000	12500	261000	104	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	121000		206000			
Zinc	ug/L	<20.0	500	512	101	70-130	

MATRIX SPIKE SAMPLE: 2136259

Parameter	Units	70359324001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	12500	13100	104	70-130	
Barium	ug/L	<200	500	573	91	70-130	
Calcium	ug/L	21500	12500	33300	94	70-130	
Chromium	ug/L	<10.0	500	469	93	70-130	
Copper	ug/L	<25.0	500	497	96	70-130	
Iron	ug/L	780	5000	5660	98	70-130	
Lead	ug/L	<5.0	500	482	96	70-130	
Magnesium	ug/L	20600	12500	32100	92	70-130	
Manganese	ug/L	95.8	500	567	94	70-130	
Nickel	ug/L	<40.0	500	466	92	70-130	
Potassium	ug/L	55500	12500	66700	90	70-130	
Sodium	ug/L	72500	12500	81700	74	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	139000		215000			
Zinc	ug/L	27.3	500	512	97	70-130	

SAMPLE DUPLICATE: 2135950

Parameter	Units	70359318004 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	256	247	4	
Barium	ug/L	<200	3.4J		
Calcium	ug/L	20000	19600	2	
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	29.9	29.1	3	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	17200	16900	2	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

SAMPLE DUPLICATE: 2135950

Parameter	Units	70359318004 Result	Dup Result	RPD	Qualifiers
Manganese	ug/L	25.8	25.2	2	
Nickel	ug/L	<40.0	7.4J		
Potassium	ug/L	13100	12800	2	
Sodium	ug/L	248000	242000	2	
Tot Hardness asCaCO3 (SM 2340B	ug/L	121000	119000	2	
Zinc	ug/L	<20.0	6.1J		

SAMPLE DUPLICATE: 2136258

Parameter	Units	70359324001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<200	79.0J		
Barium	ug/L	<200	105J		
Calcium	ug/L	21500	20900	3	
Chromium	ug/L	<10.0	1.5J		
Copper	ug/L	<25.0	15.7J		
Iron	ug/L	780	737	6	
Lead	ug/L	<5.0	2.3J		
Magnesium	ug/L	20600	20200	2	
Manganese	ug/L	95.8	94.2	2	
Nickel	ug/L	<40.0	8.9J		
Potassium	ug/L	55500	54400	2	
Sodium	ug/L	72500	71500	1	
Tot Hardness asCaCO3 (SM 2340B	ug/L	139000	135000	2	
Zinc	ug/L	27.3	25.7	6	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 404235
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2137615 Matrix: Water
Associated Lab Samples: 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	06/16/25 11:37	
Barium	ug/L	<200	200	06/16/25 11:37	
Calcium	ug/L	<200	200	06/16/25 11:37	
Chromium	ug/L	<10.0	10.0	06/16/25 11:37	
Copper	ug/L	<25.0	25.0	06/16/25 11:37	
Iron	ug/L	<20.0	20.0	06/16/25 11:37	
Lead	ug/L	<5.0	5.0	06/16/25 11:37	
Magnesium	ug/L	<200	200	06/16/25 11:37	
Manganese	ug/L	<10.0	10.0	06/16/25 11:37	
Nickel	ug/L	<40.0	40.0	06/16/25 11:37	
Potassium	ug/L	<5000	5000	06/16/25 11:37	
Sodium	ug/L	<5000	5000	06/16/25 11:37	
Tot Hardness asCaCO3 (SM 2340B	ug/L	<830	830	06/16/25 11:37	
Zinc	ug/L	<20.0	20.0	06/16/25 11:37	

LABORATORY CONTROL SAMPLE: 2137616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	25000	25100	100	85-115	
Barium	ug/L	500	506	101	85-115	
Calcium	ug/L	25000	25800	103	85-115	
Chromium	ug/L	500	509	102	85-115	
Copper	ug/L	500	519	104	85-115	
Iron	ug/L	12500	13000	104	85-115	
Lead	ug/L	500	515	103	85-115	
Magnesium	ug/L	25000	25500	102	85-115	
Manganese	ug/L	500	510	102	85-115	
Nickel	ug/L	500	507	101	85-115	
Potassium	ug/L	25000	24300	97	85-115	
Sodium	ug/L	25000	25200	101	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L		169000			
Zinc	ug/L	500	519	104	85-115	

MATRIX SPIKE SAMPLE: 2137618

Parameter	Units	70359344003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	12500	14500	115	70-130	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

MATRIX SPIKE SAMPLE: 2137618

Parameter	Units	70359344003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	<200	500	531	106	70-130	
Calcium	ug/L	195000	12500	213000	144	70-130	M1
Chromium	ug/L	<10.0	500	497	99	70-130	
Copper	ug/L	<25.0	500	476	91	70-130	
Iron	ug/L	1000	5000	6310	106	70-130	
Lead	ug/L	<5.0	500	479	95	70-130	
Magnesium	ug/L	592000	12500	620000	224	70-130	M1
Manganese	ug/L	58.0	500	580	104	70-130	
Nickel	ug/L	<40.0	500	457	90	70-130	
Potassium	ug/L	334000	12500	365000	248	70-130	M1
Sodium	ug/L	3450000	12500	3450000	0	70-130	M1
Tot Hardness asCaCO3 (SM 2340B	ug/L	2920000		3090000			
Zinc	ug/L	20.3	500	479	92	70-130	

MATRIX SPIKE SAMPLE: 2137620

Parameter	Units	70359344006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	12500	13900	111	70-130	
Barium	ug/L	<200	500	520	104	70-130	
Calcium	ug/L	184000	12500	195000	88	70-130	
Chromium	ug/L	<10.0	500	486	97	70-130	
Copper	ug/L	<25.0	500	452	90	70-130	
Iron	ug/L	349	5000	5500	103	70-130	
Lead	ug/L	<5.0	500	472	94	70-130	
Magnesium	ug/L	558000	12500	563000	40	70-130	M1
Manganese	ug/L	55.9	500	566	102	70-130	
Nickel	ug/L	<40.0	500	450	89	70-130	
Potassium	ug/L	314000	12500	332000	144	70-130	M1
Sodium	ug/L	3200000	12500	3250000	400	70-130	M1
Tot Hardness asCaCO3 (SM 2340B	ug/L	2760000		2810000			
Zinc	ug/L	<20.0	500	461	91	70-130	

SAMPLE DUPLICATE: 2137617

Parameter	Units	70359344003 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<200	155J		
Barium	ug/L	<200	<200		
Calcium	ug/L	195000	198000	2	
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	19.3J		
Iron	ug/L	1000	1010	1	
Lead	ug/L	<5.0	4.7J		
Magnesium	ug/L	592000	599000	1	
Manganese	ug/L	58.0	58.8	1	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

SAMPLE DUPLICATE: 2137617

Parameter	Units	70359344003 Result	Dup Result	RPD	Qualifiers
Nickel	ug/L	<40.0	7.5J		
Potassium	ug/L	334000	342000	2	
Sodium	ug/L	3450000	3420000	1	
Tot Hardness asCaCO3 (SM 2340B	ug/L	2920000	2960000	1	
Zinc	ug/L	20.3	19.8J		

SAMPLE DUPLICATE: 2137619

Parameter	Units	70359344006 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<200	<200		
Barium	ug/L	<200	<200		
Calcium	ug/L	184000	189000	3	
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	349	356	2	
Lead	ug/L	<5.0	4.3J		
Magnesium	ug/L	558000	567000	2	
Manganese	ug/L	55.9	57.5	3	
Nickel	ug/L	<40.0	6.8J		
Potassium	ug/L	314000	318000	1	
Sodium	ug/L	3200000	3340000	4	
Tot Hardness asCaCO3 (SM 2340B	ug/L	2760000	2810000	2	
Zinc	ug/L	<20.0	8.0J		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401541
QC Batch Method: EPA 8260D/5030C
Analysis Method: EPA 8260D/5030C
Analysis Description: 8260D MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901011, 70356901012, 70356901014, 70356901016, 70356901018, 70356901020

METHOD BLANK: 2120486
Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901011, 70356901012, 70356901014, 70356901016, 70356901018, 70356901020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/29/25 12:08	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/29/25 12:08	v3
1,1-Dichloroethene	ug/L	<1.0	1.0	05/29/25 12:08	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	05/29/25 12:08	
1,2-Dichloroethane	ug/L	<1.0	1.0	05/29/25 12:08	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/29/25 12:08	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	05/29/25 12:08	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	05/29/25 12:08	
Benzene	ug/L	<1.0	1.0	05/29/25 12:08	
Bromodichloromethane	ug/L	<1.0	1.0	05/29/25 12:08	
Bromoform	ug/L	<1.0	1.0	05/29/25 12:08	
Carbon tetrachloride	ug/L	<1.0	1.0	05/29/25 12:08	
Chlorobenzene	ug/L	<1.0	1.0	05/29/25 12:08	
Chloroethane	ug/L	<1.0	1.0	05/29/25 12:08	
Chloroform	ug/L	<1.0	1.0	05/29/25 12:08	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	05/29/25 12:08	
Dibromochloromethane	ug/L	<1.0	1.0	05/29/25 12:08	
Dichlorodifluoromethane	ug/L	<1.0	1.0	05/29/25 12:08	IL
Ethylbenzene	ug/L	<1.0	1.0	05/29/25 12:08	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	05/29/25 12:08	
m&p-Xylene	ug/L	<2.0	2.0	05/29/25 12:08	
Methylene Chloride	ug/L	<1.0	1.0	05/29/25 12:08	
n-Butylbenzene	ug/L	<1.0	1.0	05/29/25 12:08	
o-Xylene	ug/L	<1.0	1.0	05/29/25 12:08	
tert-Butylbenzene	ug/L	<1.0	1.0	05/29/25 12:08	
Tetrachloroethene	ug/L	<1.0	1.0	05/29/25 12:08	
Toluene	ug/L	<1.0	1.0	05/29/25 12:08	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	05/29/25 12:08	
Trichloroethene	ug/L	<1.0	1.0	05/29/25 12:08	
Vinyl chloride	ug/L	<1.0	1.0	05/29/25 12:08	
Xylene (Total)	ug/L	<3.0	3.0	05/29/25 12:08	
1,2-Dichloroethane-d4 (S)	%	94	80-120	05/29/25 12:08	
4-Bromofluorobenzene (S)	%	96	80-120	05/29/25 12:08	
Toluene-d8 (S)	%	97	80-120	05/29/25 12:08	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

LABORATORY CONTROL SAMPLE: 2120487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	33.5	67	72-122	L2
1,1-Dichloroethane	ug/L	50	41.1	82	72-131	v3
1,1-Dichloroethene	ug/L	50	47.7	95	71-128	
1,2-Dichlorobenzene	ug/L	50	45.1	90	75-112	
1,2-Dichloroethane	ug/L	50	54.4	109	74-118	
1,2-Dichloropropane	ug/L	50	45.8	92	75-121	
1,3-Dichlorobenzene	ug/L	50	45.1	90	72-119	
1,4-Dichlorobenzene	ug/L	50	44.7	89	74-114	
Benzene	ug/L	50	46.5	93	74-121	
Bromodichloromethane	ug/L	50	45.9	92	76-121	
Bromoform	ug/L	50	47.7	95	60-135	
Carbon tetrachloride	ug/L	50	46.7	93	69-129	
Chlorobenzene	ug/L	50	47.5	95	82-113	
Chloroethane	ug/L	50	43.9	88	59-140	IH
Chloroform	ug/L	50	41.5	83	78-126	
cis-1,2-Dichloroethene	ug/L	50	44.9	90	78-128	
Dibromochloromethane	ug/L	50	45.1	90	70-125	
Dichlorodifluoromethane	ug/L	50	31.6	63	22-145	IL
Ethylbenzene	ug/L	50	46.9	94	79-113	
Isopropylbenzene (Cumene)	ug/L	50	46.8	94	73-117	
m&p-Xylene	ug/L	100	95.6	96	81-113	
Methylene Chloride	ug/L	50	44.9	90	70-127	
n-Butylbenzene	ug/L	50	47.7	95	71-124	
o-Xylene	ug/L	50	48.0	96	79-112	
tert-Butylbenzene	ug/L	50	46.0	92	69-120	
Tetrachloroethene	ug/L	50	44.8	90	76-123	
Toluene	ug/L	50	47.4	95	82-118	
trans-1,2-Dichloroethene	ug/L	50	46.2	92	73-130	
Trichloroethene	ug/L	50	45.2	90	82-123	
Vinyl chloride	ug/L	50	50.9	102	51-144	
Xylene (Total)	ug/L	150	144	96	81-112	
1,2-Dichloroethane-d4 (S)	%			93	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Toluene-d8 (S)	%			98	80-120	

SAMPLE DUPLICATE: 2122912

Parameter	Units	70356901012 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		v3
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

SAMPLE DUPLICATE: 2122912

Parameter	Units	70356901012 Result	Dup Result	RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	3.0	3.1	5	
Benzene	ug/L	3.1	3.0	5	
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	3.4	3.5	3	
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		IL
Ethylbenzene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	9.6	9.6	0	
m&p-Xylene	ug/L	1.5J	1.5J		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	1.5J	1.5J		
1,2-Dichloroethane-d4 (S)	%	94	90		
4-Bromofluorobenzene (S)	%	93	97		
Toluene-d8 (S)	%	95	98		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 402034
QC Batch Method: EPA 8260D/5030C
Analysis Method: EPA 8260D/5030C
Analysis Description: 8260D MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901021, 70356901025, 70356901028, 70356901030

METHOD BLANK: 2123602 Matrix: Water
Associated Lab Samples: 70356901021, 70356901025, 70356901028, 70356901030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/02/25 13:42	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/02/25 13:42	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/02/25 13:42	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/02/25 13:42	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/02/25 13:42	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/02/25 13:42	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/02/25 13:42	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/02/25 13:42	
Benzene	ug/L	<1.0	1.0	06/02/25 13:42	
Bromodichloromethane	ug/L	<1.0	1.0	06/02/25 13:42	
Bromoform	ug/L	<1.0	1.0	06/02/25 13:42	
Carbon tetrachloride	ug/L	<1.0	1.0	06/02/25 13:42	
Chlorobenzene	ug/L	<1.0	1.0	06/02/25 13:42	
Chloroethane	ug/L	<1.0	1.0	06/02/25 13:42	
Chloroform	ug/L	<1.0	1.0	06/02/25 13:42	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/02/25 13:42	
Dibromochloromethane	ug/L	<1.0	1.0	06/02/25 13:42	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/02/25 13:42	IL
Ethylbenzene	ug/L	<1.0	1.0	06/02/25 13:42	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	06/02/25 13:42	
m&p-Xylene	ug/L	<2.0	2.0	06/02/25 13:42	
Methylene Chloride	ug/L	<1.0	1.0	06/02/25 13:42	
n-Butylbenzene	ug/L	<1.0	1.0	06/02/25 13:42	
o-Xylene	ug/L	<1.0	1.0	06/02/25 13:42	
tert-Butylbenzene	ug/L	<1.0	1.0	06/02/25 13:42	
Tetrachloroethene	ug/L	<1.0	1.0	06/02/25 13:42	
Toluene	ug/L	<1.0	1.0	06/02/25 13:42	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/02/25 13:42	
Trichloroethene	ug/L	<1.0	1.0	06/02/25 13:42	
Vinyl chloride	ug/L	<1.0	1.0	06/02/25 13:42	
Xylene (Total)	ug/L	<3.0	3.0	06/02/25 13:42	
1,2-Dichloroethane-d4 (S)	%	95	80-120	06/02/25 13:42	
4-Bromofluorobenzene (S)	%	95	80-120	06/02/25 13:42	
Toluene-d8 (S)	%	96	80-120	06/02/25 13:42	

LABORATORY CONTROL SAMPLE: 2123603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.1	94	72-122	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

LABORATORY CONTROL SAMPLE: 2123603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/L	50	37.4	75	72-131	
1,1-Dichloroethene	ug/L	50	42.0	84	71-128	
1,2-Dichlorobenzene	ug/L	50	50.0	100	75-112	
1,2-Dichloroethane	ug/L	50	47.1	94	74-118	
1,2-Dichloropropane	ug/L	50	48.2	96	75-121	
1,3-Dichlorobenzene	ug/L	50	50.7	101	72-119	
1,4-Dichlorobenzene	ug/L	50	49.7	99	74-114	
Benzene	ug/L	50	49.4	99	74-121	
Bromodichloromethane	ug/L	50	49.3	99	76-121	
Bromoform	ug/L	50	49.8	100	60-135	
Carbon tetrachloride	ug/L	50	49.0	98	69-129	
Chlorobenzene	ug/L	50	50.6	101	82-113	
Chloroethane	ug/L	50	37.4	75	59-140	IH
Chloroform	ug/L	50	51.6	103	78-126	
cis-1,2-Dichloroethene	ug/L	50	36.9	74	78-128	L2
Dibromochloromethane	ug/L	50	48.3	97	70-125	
Dichlorodifluoromethane	ug/L	50	40.7	81	22-145	IL
Ethylbenzene	ug/L	50	49.7	99	79-113	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	73-117	
m&p-Xylene	ug/L	100	102	102	81-113	
Methylene Chloride	ug/L	50	40.0	80	70-127	
n-Butylbenzene	ug/L	50	52.2	104	71-124	
o-Xylene	ug/L	50	50.9	102	79-112	
tert-Butylbenzene	ug/L	50	50.4	101	69-120	
Tetrachloroethene	ug/L	50	46.8	94	76-123	
Toluene	ug/L	50	49.8	100	82-118	
trans-1,2-Dichloroethene	ug/L	50	42.7	85	73-130	
Trichloroethene	ug/L	50	49.1	98	82-123	
Vinyl chloride	ug/L	50	34.3	69	51-144	
Xylene (Total)	ug/L	150	153	102	81-112	
1,2-Dichloroethane-d4 (S)	%			93	80-120	
4-Bromofluorobenzene (S)	%			96	80-120	
Toluene-d8 (S)	%			97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2124189 2124190

Parameter	Units	70357573002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.32	50	50	37.8	51.2	76	102	69-137	30	R1
1,1-Dichloroethane	ug/L	<0.58	50	50	55.2	38.2	110	76	74-136	36	R1
1,1-Dichloroethene	ug/L	<0.54	50	50	61.7	45.4	123	91	74-138	30	R1
1,2-Dichlorobenzene	ug/L	<0.58	50	50	51.4	52.3	103	105	75-119	2	
1,2-Dichloroethane	ug/L	<0.40	50	50	72.7	49.8	145	100	74-121	37	M1,R1
1,2-Dichloropropane	ug/L	<0.45	50	50	53.3	50.9	107	102	75-127	5	
1,3-Dichlorobenzene	ug/L	<0.46	50	50	53.0	53.6	106	107	70-123	1	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2124189 2124190

Parameter	Units	70357573002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,4-Dichlorobenzene	ug/L	<0.48	50	50	51.5	52.2	103	104	74-120	1	
Benzene	ug/L	<0.58	50	50	55.8	52.8	112	106	70-133	5	
Bromodichloromethane	ug/L	<0.48	50	50	54.0	50.5	108	101	76-129	7	
Bromoform	ug/L	<0.61	50	50	53.3	51.4	107	103	51-140	4	
Carbon tetrachloride	ug/L	<0.33	50	50	39.1	52.7	78	105	59-146	30	R1
Chlorobenzene	ug/L	<0.57	50	50	53.3	53.3	107	107	77-124	0	
Chloroethane	ug/L	<0.64	50	50	53.1	35.9	106	72	56-158	39	IH,R1
Chloroform	ug/L	<0.56	50	50	52.3	55.2	105	110	80-133	5	
cis-1,2-Dichloroethene	ug/L	<0.50	50	50	57.3	58.8	115	118	78-135	3	
Dibromochloromethane	ug/L	<0.50	50	50	50.2	50.2	100	100	65-132	0	
Dichlorodifluoromethane	ug/L	<0.37	50	50	43.0	28.4	86	57	13-157	41	IL,R1
Ethylbenzene	ug/L	<0.52	50	50	55.3	53.9	111	108	71-126	3	
Isopropylbenzene (Cumene)	ug/L	<0.40	50	50	55.0	56.7	110	113	76-126	3	
m&p-Xylene	ug/L	<0.93	100	100	112	111	112	111	78-120	1	
Methylene Chloride	ug/L	<0.77	50	50	60.5	43.7	121	87	73-132	32	R1
n-Butylbenzene	ug/L	<0.38	50	50	56.0	57.5	112	115	70-137	3	
o-Xylene	ug/L	<0.47	50	50	58.7	55.0	117	110	74-121	7	
tert-Butylbenzene	ug/L	<0.37	50	50	54.4	56.7	109	113	72-128	4	
Tetrachloroethene	ug/L	<0.53	50	50	52.2	52.3	104	105	72-131	0	
Toluene	ug/L	<0.57	50	50	56.6	53.4	113	107	72-135	6	
trans-1,2-Dichloroethene	ug/L	<0.56	50	50	63.4	45.7	127	91	77-138	32	R1
Trichloroethene	ug/L	<0.47	50	50	55.4	53.1	111	106	79-137	4	
Vinyl chloride	ug/L	<0.48	50	50	45.0	29.7	90	59	48-158	41	R1
Xylene (Total)	ug/L	<0.47	150	150	171	166	114	111	77-120	3	
1,2-Dichloroethane-d4 (S)	%						100	93	80-120		
4-Bromofluorobenzene (S)	%						103	98	80-120		
Toluene-d8 (S)	%						98	98	80-120		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 402218
QC Batch Method: EPA 8260D/5030C
Analysis Method: EPA 8260D/5030C
Analysis Description: 8260D MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901023, 70356901027, 70356901032, 70356901034

METHOD BLANK: 2124508 Matrix: Water
Associated Lab Samples: 70356901023, 70356901027, 70356901032, 70356901034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/03/25 10:18	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/03/25 10:18	v3
1,1-Dichloroethene	ug/L	<1.0	1.0	06/03/25 10:18	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/03/25 10:18	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/03/25 10:18	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/03/25 10:18	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/03/25 10:18	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/03/25 10:18	
Benzene	ug/L	<1.0	1.0	06/03/25 10:18	
Bromodichloromethane	ug/L	<1.0	1.0	06/03/25 10:18	
Bromoform	ug/L	<1.0	1.0	06/03/25 10:18	
Carbon tetrachloride	ug/L	<1.0	1.0	06/03/25 10:18	
Chlorobenzene	ug/L	<1.0	1.0	06/03/25 10:18	
Chloroethane	ug/L	<1.0	1.0	06/03/25 10:18	
Chloroform	ug/L	<1.0	1.0	06/03/25 10:18	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/03/25 10:18	
Dibromochloromethane	ug/L	<1.0	1.0	06/03/25 10:18	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/03/25 10:18	IL
Ethylbenzene	ug/L	<1.0	1.0	06/03/25 10:18	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	06/03/25 10:18	
m&p-Xylene	ug/L	<2.0	2.0	06/03/25 10:18	
Methylene Chloride	ug/L	<1.0	1.0	06/03/25 10:18	
n-Butylbenzene	ug/L	<1.0	1.0	06/03/25 10:18	
o-Xylene	ug/L	<1.0	1.0	06/03/25 10:18	
tert-Butylbenzene	ug/L	<1.0	1.0	06/03/25 10:18	
Tetrachloroethene	ug/L	<1.0	1.0	06/03/25 10:18	
Toluene	ug/L	<1.0	1.0	06/03/25 10:18	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/03/25 10:18	
Trichloroethene	ug/L	<1.0	1.0	06/03/25 10:18	
Vinyl chloride	ug/L	<1.0	1.0	06/03/25 10:18	
Xylene (Total)	ug/L	<3.0	3.0	06/03/25 10:18	
1,2-Dichloroethane-d4 (S)	%	93	80-120	06/03/25 10:18	
4-Bromofluorobenzene (S)	%	96	80-120	06/03/25 10:18	
Toluene-d8 (S)	%	98	80-120	06/03/25 10:18	

LABORATORY CONTROL SAMPLE: 2124509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.6	85	72-122	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

LABORATORY CONTROL SAMPLE: 2124509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/L	50	32.2	64	72-131	L2,v3
1,1-Dichloroethene	ug/L	50	41.0	82	71-128	
1,2-Dichlorobenzene	ug/L	50	43.7	87	75-112	
1,2-Dichloroethane	ug/L	50	41.0	82	74-118	
1,2-Dichloropropane	ug/L	50	42.2	84	75-121	
1,3-Dichlorobenzene	ug/L	50	44.4	89	72-119	
1,4-Dichlorobenzene	ug/L	50	43.6	87	74-114	
Benzene	ug/L	50	44.8	90	74-121	
Bromodichloromethane	ug/L	50	42.5	85	76-121	
Bromoform	ug/L	50	45.7	91	60-135	
Carbon tetrachloride	ug/L	50	46.2	92	69-129	
Chlorobenzene	ug/L	50	45.9	92	82-113	
Chloroethane	ug/L	50	33.7	67	59-140	IH
Chloroform	ug/L	50	42.8	86	78-126	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	78-128	
Dibromochloromethane	ug/L	50	43.2	86	70-125	
Dichlorodifluoromethane	ug/L	50	33.6	67	22-145	IL,v1
Ethylbenzene	ug/L	50	46.0	92	79-113	
Isopropylbenzene (Cumene)	ug/L	50	46.2	92	73-117	
m&p-Xylene	ug/L	100	93.1	93	81-113	
Methylene Chloride	ug/L	50	37.3	75	70-127	
n-Butylbenzene	ug/L	50	45.7	91	71-124	
o-Xylene	ug/L	50	46.0	92	79-112	
tert-Butylbenzene	ug/L	50	45.2	90	69-120	
Tetrachloroethene	ug/L	50	45.6	91	76-123	
Toluene	ug/L	50	45.6	91	82-118	
trans-1,2-Dichloroethene	ug/L	50	39.1	78	73-130	
Trichloroethene	ug/L	50	45.6	91	82-123	
Vinyl chloride	ug/L	50	29.0	58	51-144	
Xylene (Total)	ug/L	150	139	93	81-112	
1,2-Dichloroethane-d4 (S)	%			92	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			98	80-120	

SAMPLE DUPLICATE: 2125258

Parameter	Units	70357577004 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.32	<1.0		
1,1-Dichloroethane	ug/L	<0.58	<1.0		v3
1,1-Dichloroethene	ug/L	<0.54	<1.0		
1,2-Dichlorobenzene	ug/L	<0.58	<1.0		
1,2-Dichloroethane	ug/L	<0.40	<1.0		
1,2-Dichloropropane	ug/L	<0.45	<1.0		
1,3-Dichlorobenzene	ug/L	<0.46	<1.0		
1,4-Dichlorobenzene	ug/L	<0.48	<1.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

SAMPLE DUPLICATE: 2125258

Parameter	Units	70357577004 Result	Dup Result	RPD	Qualifiers
Benzene	ug/L	<0.58	<1.0		
Bromodichloromethane	ug/L	<0.48	<1.0		
Bromoform	ug/L	<0.61	<1.0		
Carbon tetrachloride	ug/L	<0.33	<1.0		
Chlorobenzene	ug/L	<0.57	<1.0		
Chloroethane	ug/L	<0.64	<1.0		
Chloroform	ug/L	<0.56	<1.0		
cis-1,2-Dichloroethene	ug/L	<0.50	<1.0		
Dibromochloromethane	ug/L	<0.50	<1.0		
Dichlorodifluoromethane	ug/L	<0.37	<1.0		IL
Ethylbenzene	ug/L	<0.52	<1.0		
Isopropylbenzene (Cumene)	ug/L	<0.40	<1.0		
m&p-Xylene	ug/L	<0.93	<2.0		
Methylene Chloride	ug/L	<0.77	<1.0		
n-Butylbenzene	ug/L	<0.38	<1.0		
o-Xylene	ug/L	<0.47	<1.0		
tert-Butylbenzene	ug/L	<0.37	<1.0		
Tetrachloroethene	ug/L	<0.53	<1.0		
Toluene	ug/L	<0.57	<1.0		
trans-1,2-Dichloroethene	ug/L	<0.56	<1.0		
Trichloroethene	ug/L	<0.47	<1.0		
Vinyl chloride	ug/L	<0.48	<1.0		
Xylene (Total)	ug/L	<0.47	<3.0		
1,2-Dichloroethane-d4 (S)	%	96	97		
4-Bromofluorobenzene (S)	%	94	96		
Toluene-d8 (S)	%	94	98		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403414
QC Batch Method: SM22 2320B
Analysis Method: SM22 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

METHOD BLANK: 2132052 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	06/10/25 09:16	
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0	1.0	06/10/25 09:16	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	1.0	06/10/25 09:16	

LABORATORY CONTROL SAMPLE: 2132053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	23.6	95	85-115	
Alkalinity,Bicarbonate (CaCO3)	mg/L		0.92J			
Alkalinity,Carbonate (CaCO3)	mg/L	25	22.7	91	85-115	

MATRIX SPIKE SAMPLE: 2132055

Parameter	Units	70357639002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	50	89.0	178	75-125	M1
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0		53.0			
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	50	36.0	72	75-125	M1

SAMPLE DUPLICATE: 2132054

Parameter	Units	70357639002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	<1.0		
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0	<1.0		
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403552 | Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901012, 70356901014, 70356901016, 70356901018

METHOD BLANK: 2133254 Matrix: Water
Associated Lab Samples: 70356901012, 70356901014, 70356901016, 70356901018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	06/10/25 15:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0	1.0	06/10/25 15:12	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	1.0	06/10/25 15:12	

LABORATORY CONTROL SAMPLE: 2133255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	25.6	103	85-115	
Alkalinity,Bicarbonate (CaCO3)	mg/L		0.99J			
Alkalinity,Carbonate (CaCO3)	mg/L	25	24.7	99	85-115	

MATRIX SPIKE SAMPLE: 2133257

Parameter	Units	70357094004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	49.9	50	98.4	97	75-125	
Alkalinity,Bicarbonate (CaCO3)	mg/L	49.9		98.4			
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	50	<1.0	0	75-125	M1

SAMPLE DUPLICATE: 2133256

Parameter	Units	70357094004 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	49.9	49.5	1	
Alkalinity,Bicarbonate (CaCO3)	mg/L	49.9	49.5	1	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403689 | Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2134222 Matrix: Water
Associated Lab Samples: 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	06/11/25 09:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0	1.0	06/11/25 09:12	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	1.0	06/11/25 09:12	

LABORATORY CONTROL SAMPLE: 2134223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	26.4	106	85-115	
Alkalinity,Bicarbonate (CaCO3)	mg/L		1.5			
Alkalinity,Carbonate (CaCO3)	mg/L	25	24.9	100	85-115	

MATRIX SPIKE SAMPLE: 2134225

Parameter	Units	70357497001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	256	50	298	85	75-125	
Alkalinity,Bicarbonate (CaCO3)	mg/L	256		292			
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	50	6.4	13	75-125	M1

SAMPLE DUPLICATE: 2134224

Parameter	Units	70357497001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	256	258	1	
Alkalinity,Bicarbonate (CaCO3)	mg/L	256	258	1	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403814
QC Batch Method: SM22 2320B
Analysis Method: SM22 2320B
Analysis Description: 2320B Alkalinity, High Level
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901012

METHOD BLANK: 2135097 Matrix: Water
Associated Lab Samples: 70356901012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	2.5	06/11/25 15:13	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	2.5	06/11/25 15:13	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	2.5	06/11/25 15:13	

LABORATORY CONTROL SAMPLE: 2135098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	125	133	107	80-120	
Alkalinity,Bicarbonate (CaCO3)	mg/L		<5.0			
Alkalinity,Carbonate (CaCO3)	mg/L	125	133	107	80-120	

MATRIX SPIKE SAMPLE: 2135100

Parameter	Units	70356901012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1520	625	2050	86	75-125	
Alkalinity,Bicarbonate (CaCO3)	mg/L	1520		1240			
Alkalinity,Carbonate (CaCO3)	mg/L	<5.0	625	811	130	75-125	M1

SAMPLE DUPLICATE: 2135099

Parameter	Units	70356901012 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1520	1510	1	
Alkalinity,Bicarbonate (CaCO3)	mg/L	1520	1510	1	
Alkalinity,Carbonate (CaCO3)	mg/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401940
QC Batch Method: SM22 2540C
Analysis Method: SM22 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

METHOD BLANK: 2122998 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	06/02/25 08:29	

LABORATORY CONTROL SAMPLE: 2122999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	544	109	85-115	

MATRIX SPIKE SAMPLE: 2123003

Parameter	Units	70356822003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	218	300	518	100	75-125	

MATRIX SPIKE SAMPLE: 2123005

Parameter	Units	70356710002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	190	300	487	99	75-125	

SAMPLE DUPLICATE: 2123002

Parameter	Units	70356822003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	218	229	5	

SAMPLE DUPLICATE: 2123004

Parameter	Units	70356710002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	190	188	1	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 402459
QC Batch Method: SM22 2540C
Analysis Method: SM22 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901012, 70356901014, 70356901016, 70356901018

METHOD BLANK: 2125662 Matrix: Water
Associated Lab Samples: 70356901012, 70356901014, 70356901016, 70356901018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	06/04/25 10:21	

LABORATORY CONTROL SAMPLE: 2125663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	530	106	85-115	

MATRIX SPIKE SAMPLE: 2125665

Parameter	Units	70357124001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	51.0	300	349	99	75-125	

MATRIX SPIKE SAMPLE: 2125667

Parameter	Units	70357124004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	36.0	300	328	97	75-125	

SAMPLE DUPLICATE: 2125664

Parameter	Units	70357124001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	51.0	54.0	6	

SAMPLE DUPLICATE: 2125666

Parameter	Units	70357124004 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	36.0	39.0	8	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 402649
QC Batch Method: SM22 2540C
Analysis Method: SM22 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901021, 70356901023, 70356901025

METHOD BLANK: 2127303 Matrix: Water
Associated Lab Samples: 70356901021, 70356901023, 70356901025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	06/05/25 09:28	

LABORATORY CONTROL SAMPLE: 2127304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	546	109	85-115	

MATRIX SPIKE SAMPLE: 2127306

Parameter	Units	70357468001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	20200	15000	34400	95	75-125	

SAMPLE DUPLICATE: 2127305

Parameter	Units	70357468001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	20200	21400	5	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 402887 | Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901028, 70356901030, 70356901032

METHOD BLANK: 2128867 Matrix: Water
Associated Lab Samples: 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	06/06/25 11:12	

LABORATORY CONTROL SAMPLE: 2128868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	542	108	85-115	

MATRIX SPIKE SAMPLE: 2128870

Parameter	Units	70357584001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	68.0	300	385	106	75-125	

SAMPLE DUPLICATE: 2128869

Parameter	Units	70357584001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	68.0	75.0	10	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401336
QC Batch Method: SM22 3500-Cr B
Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901002, 70356901003, 70356901004, 70356901005, 70356901006, 70356901007, 70356901008, 70356901009, 70356901010

METHOD BLANK: 2119061 Matrix: Water
Associated Lab Samples: 70356901001, 70356901002, 70356901003, 70356901004, 70356901005, 70356901006, 70356901007, 70356901008, 70356901009, 70356901010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	05/28/25 13:13	

LABORATORY CONTROL SAMPLE: 2119062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.2	0.19	97	85-115	

MATRIX SPIKE SAMPLE: 2119224

Parameter	Units	70356901008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.2	0.19	93	75-125	

SAMPLE DUPLICATE: 2119225

Parameter	Units	70356901008 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401606
QC Batch Method: SM22 3500-Cr B
Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901012, 70356901013, 70356901014, 70356901015, 70356901016, 70356901017, 70356901018, 70356901019

METHOD BLANK: 2120944 Matrix: Water
Associated Lab Samples: 70356901012, 70356901013, 70356901014, 70356901015, 70356901016, 70356901017, 70356901018, 70356901019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	05/29/25 15:30	

LABORATORY CONTROL SAMPLE: 2120945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.2	0.19	96	85-115	

MATRIX SPIKE SAMPLE: 2120946

Parameter	Units	70356901019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.2	0.20	102	75-125	

SAMPLE DUPLICATE: 2120947

Parameter	Units	70356901019 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401811 | Analysis Method: SM22 3500-Cr B
QC Batch Method: SM22 3500-Cr B | Analysis Description: Chromium, Hexavalent by 3500
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901021, 70356901022, 70356901023, 70356901024, 70356901025, 70356901026

METHOD BLANK: 2122212 Matrix: Water
Associated Lab Samples: 70356901021, 70356901022, 70356901023, 70356901024, 70356901025, 70356901026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	05/30/25 15:25	

LABORATORY CONTROL SAMPLE: 2122213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.2	0.19	93	85-115	

MATRIX SPIKE SAMPLE: 2122231

Parameter	Units	70356901023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.2	0.12	60	75-125	H1,M1

SAMPLE DUPLICATE: 2122232

Parameter	Units	70356901023 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		H1

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401863 | Analysis Method: SM22 3500-Cr B
QC Batch Method: SM22 3500-Cr B | Analysis Description: Chromium, Hexavalent by 3500
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901028, 70356901029, 70356901030, 70356901031, 70356901032, 70356901033

METHOD BLANK: 2122492 Matrix: Water
Associated Lab Samples: 70356901028, 70356901029, 70356901030, 70356901031, 70356901032, 70356901033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	05/31/25 14:25	

LABORATORY CONTROL SAMPLE: 2122493

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.2	0.20	99	85-115	

MATRIX SPIKE SAMPLE: 2122494

Parameter	Units	70356901028 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.2	0.19	93	75-125	H1

SAMPLE DUPLICATE: 2122495

Parameter	Units	70356901028 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		H1

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 404716 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

METHOD BLANK: 2140940 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<5.0	5.0	06/17/25 17:00	

LABORATORY CONTROL SAMPLE: 2140941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	10	10.5	105	90-110	

MATRIX SPIKE SAMPLE: 2140948

Parameter	Units	70356901001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	18.5	10	28.5	101	90-110	

SAMPLE DUPLICATE: 2140949

Parameter	Units	70356901001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	18.5	18.4	0	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 404953
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2143075 Matrix: Water
Associated Lab Samples: 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<5.0	5.0	06/17/25 21:40	

LABORATORY CONTROL SAMPLE: 2143076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	10	10.3	103	90-110	

MATRIX SPIKE SAMPLE: 2143077

Parameter	Units	70358567003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	26.4	10	36.7	103	90-110	

SAMPLE DUPLICATE: 2143078

Parameter	Units	70358567003 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	26.4	26.4	0	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403919
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2135913 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.094	06/12/25 13:44	

LABORATORY CONTROL SAMPLE: 2135914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.2	105	90-110	

MATRIX SPIKE SAMPLE: 2135915

Parameter	Units	70358122001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.58	20	21.2	103	90-110	

MATRIX SPIKE SAMPLE: 2135917

Parameter	Units	70356901025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	63.0	4	70.2	181	90-110	M1

SAMPLE DUPLICATE: 2135916

Parameter	Units	70358122001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.58	0.84	37	D6

SAMPLE DUPLICATE: 2135918

Parameter	Units	70356901025 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	63.0	58.4	7	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401439
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

METHOD BLANK: 2119982 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.027	05/29/25 01:17	

LABORATORY CONTROL SAMPLE: 2119983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 2119984

Parameter	Units	70356901009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	97	90-110	H1

MATRIX SPIKE SAMPLE: 2119986

Parameter	Units	70356769001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	96	90-110	

SAMPLE DUPLICATE: 2119985

Parameter	Units	70356901009 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		H1

SAMPLE DUPLICATE: 2119987

Parameter	Units	70356769001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401671
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901012

METHOD BLANK: 2121482 Matrix: Water
Associated Lab Samples: 70356901012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.027	05/29/25 23:37	

LABORATORY CONTROL SAMPLE: 2121483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	105	90-110	

MATRIX SPIKE SAMPLE: 2121484

Parameter	Units	70357235002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.37	0.5	0.90	106	90-110	

MATRIX SPIKE SAMPLE: 2121486

Parameter	Units	70357112003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.50	100	90-110	

SAMPLE DUPLICATE: 2121485

Parameter	Units	70357235002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.37	0.38	1	

SAMPLE DUPLICATE: 2121487

Parameter	Units	70357112003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401672
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901014, 70356901016, 70356901018

METHOD BLANK: 2121488 Matrix: Water
Associated Lab Samples: 70356901014, 70356901016, 70356901018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.027	05/30/25 00:13	

LABORATORY CONTROL SAMPLE: 2121489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 2121490

Parameter	Units	70357167002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.057	0.5	0.57	103	90-110	

MATRIX SPIKE SAMPLE: 2121492

Parameter	Units	70357328002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.40	0.5	0.92	105	90-110	

SAMPLE DUPLICATE: 2121491

Parameter	Units	70357167002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.057	0.058	2	

SAMPLE DUPLICATE: 2121493

Parameter	Units	70357328002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.40	0.40	1	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401879
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901021, 70356901023, 70356901025

METHOD BLANK: 2122653 Matrix: Water
Associated Lab Samples: 70356901021, 70356901023, 70356901025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.027	05/30/25 22:16	

LABORATORY CONTROL SAMPLE: 2122654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 2122655

Parameter	Units	70357501003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.48	95	90-110	H1

MATRIX SPIKE SAMPLE: 2122657

Parameter	Units	70357532001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	94	90-110	

SAMPLE DUPLICATE: 2122656

Parameter	Units	70357501003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		H1

SAMPLE DUPLICATE: 2122658

Parameter	Units	70357532001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401880
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901028, 70356901030, 70356901032

METHOD BLANK: 2122659 Matrix: Water
Associated Lab Samples: 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.027	05/30/25 22:52	

LABORATORY CONTROL SAMPLE: 2122660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 2122661

Parameter	Units	70357639001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.28	0.5	0.80	102	90-110	

MATRIX SPIKE SAMPLE: 2122663

Parameter	Units	70356901030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.43	85	90-110	M1

SAMPLE DUPLICATE: 2122662

Parameter	Units	70357639001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.28	0.29	2	

SAMPLE DUPLICATE: 2122664

Parameter	Units	70356901030 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 404397
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2138639 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.037	06/13/25 16:09	

LABORATORY CONTROL SAMPLE: 2138640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 2138641

Parameter	Units	70356901001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.15	0.5	0.60	91	90-110	

MATRIX SPIKE SAMPLE: 2138777

Parameter	Units	70359446001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	4.7	2.5	7.4	107	90-110	

SAMPLE DUPLICATE: 2138642

Parameter	Units	70356901001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.15	0.15	4	

SAMPLE DUPLICATE: 2138778

Parameter	Units	70359446001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	4.7	4.8	3	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401979
QC Batch Method: SM20/22 4500-CN-C
Analysis Method: SM22 4500-CN-E
Analysis Description: 4500 CNE Cyanide, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2123166 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	5.0	06/02/25 15:10	

LABORATORY CONTROL SAMPLE: 2123167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	70.9	94	85-115	

MATRIX SPIKE SAMPLE: 2123168

Parameter	Units	70356901001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	7.5J	100	107	99	75-125	

SAMPLE DUPLICATE: 2123169

Parameter	Units	70356901001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	7.5J	7.1J		

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 401983
QC Batch Method: SM22 4500-Cl-E
Analysis Method: SM22 4500-Cl-E
Analysis Description: 4500 Chloride
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028

METHOD BLANK: 2123184 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901009, 70356901012, 70356901014, 70356901016, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/02/25 11:30	

LABORATORY CONTROL SAMPLE: 2123185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	

MATRIX SPIKE SAMPLE: 2123186

Parameter	Units	70357328003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	162	250	414	101	80-120	

SAMPLE DUPLICATE: 2123187

Parameter	Units	70357328003 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	162	163	1	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 402452
QC Batch Method: SM22 4500-Cl-E
Analysis Method: SM22 4500-Cl-E
Analysis Description: 4500 Chloride
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901030, 70356901032

METHOD BLANK: 2125631 Matrix: Water
Associated Lab Samples: 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/04/25 10:13	

LABORATORY CONTROL SAMPLE: 2125632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	

MATRIX SPIKE SAMPLE: 2125633

Parameter	Units	70357947001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	242	250	491	100	80-120	

SAMPLE DUPLICATE: 2125634

Parameter	Units	70357947001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	242	240	1	

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QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403721
QC Batch Method: SM22 4500 NH3 H
Analysis Method: SM22 4500 NH3 H
Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901012, 70356901014, 70356901016

METHOD BLANK: 2134384 Matrix: Water
Associated Lab Samples: 70356901001, 70356901003, 70356901005, 70356901007, 70356901012, 70356901014, 70356901016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.050	06/11/25 12:39	

LABORATORY CONTROL SAMPLE: 2134385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 2134386

Parameter	Units	70358595001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	43.2	20	71.0	139	75-125	M1

SAMPLE DUPLICATE: 2134387

Parameter	Units	70358595001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	43.2	44.3	3	

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REPORT OF LABORATORY ANALYSIS

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516-370-6000

QUALITY CONTROL DATA

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

QC Batch: 403726
QC Batch Method: SM22 4500 NH3 H
Analysis Method: SM22 4500 NH3 H
Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70356901009, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

METHOD BLANK: 2134424 Matrix: Water
Associated Lab Samples: 70356901009, 70356901018, 70356901021, 70356901023, 70356901025, 70356901028, 70356901030, 70356901032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.050	06/11/25 13:13	

LABORATORY CONTROL SAMPLE: 2134425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE: 2134426

Parameter	Units	70358108001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	1.1	107	75-125	

SAMPLE DUPLICATE: 2134427

Parameter	Units	70358108001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		

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QUALIFIERS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 404011

[1] The post digestion spike for sample 70359318004 (PDS 2136331) exceeded acceptance criteria for Silver and Sodium.

[2] The post digestion spike for sample 70359324001 (PDS 2136333) exceeded acceptance criteria for Silver.

Batch: 404347

[1] The post digestion spike for sample 70359344003 (PDS 2138328) exceeded acceptance criteria for Aluminum, Arsenic, Barium, Calcium, Iron, Magnesium, Potassium, and Sodium.

[2] The post digestion spike for sample 70359344006 (PDS 2138330) exceeded acceptance criteria for Aluminum, Calcium, Magnesium, Potassium, Silver, and Sodium.

[3] The serial dilution for sample 70359344003 (SD 2138329) exceeded acceptance criteria for Calcium, Magnesium, and Sodium.

[4] The serial dilution for sample 70359344006 (SD 2138331) exceeded acceptance criteria for Calcium, Magnesium, and Sodium.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

H1 Analysis conducted outside the EPA method holding time.

H3 Sample was received or analysis requested beyond the recognized method holding time.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

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QUALIFIERS

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

ANALYTE QUALIFIERS

IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70356901001	**OBS-1_5/27/25**	EPA 200.7	403934	EPA 200.7	404011
70356901003	**MW-09C_05/27/25**	EPA 200.7	403934	EPA 200.7	404011
70356901005	**MW-09B_05/27/25**	EPA 200.7	403934	EPA 200.7	404011
70356901007	**MW-05B_05/27/25**	EPA 200.7	403934	EPA 200.7	404011
70356901009	**BLIND DUPLICATE-1_5/27/25**	EPA 200.7	403934	EPA 200.7	404011
70356901012	**LF-2_05/28/25**	EPA 200.7	403934	EPA 200.7	404011
70356901014	**LF-1_05/28/25**	EPA 200.7	403934	EPA 200.7	404011
70356901016	**MW-08B_05/28/25**	EPA 200.7	403934	EPA 200.7	404011
70356901018	**MW-08A_05/28/25**	EPA 200.7	403934	EPA 200.7	404011
70356901021	**MW-06B_05/29/25**	EPA 200.7	404235	EPA 200.7	404347
70356901023	**MW-06E_05/29/25**	EPA 200.7	404235	EPA 200.7	404347
70356901025	**MW-06C_05/29/25**	EPA 200.7	404235	EPA 200.7	404347
70356901028	**MW-06F_05/30/25**	EPA 200.7	404235	EPA 200.7	404347
70356901030	**MW-06A_05/30/25**	EPA 200.7	404235	EPA 200.7	404347
70356901032	**FIELD BLANK_05/30/25**	EPA 200.7	404235	EPA 200.7	404347
70356901002	**OBS-1_5/27/25 DISS**	EPA 200.7	403692		
70356901004	**MW-09C_05/27/25 DISS**	EPA 200.7	403692		
70356901006	**MW-09B_05/27/25 DISS**	EPA 200.7	403692		
70356901008	**MW-05B_05/27/25 DISS**	EPA 200.7	403692		
70356901010	**BLIND DUPLICATE-1_5/27/25 DISS**	EPA 200.7	403692		
70356901013	**LF-2_05/28/25 DISS**	EPA 200.7	403692		
70356901015	**LF-1_05/28/25 DISS**	EPA 200.7	403692		
70356901017	**MW-08B_05/28/25 DISS**	EPA 200.7	403692		
70356901019	**MW-08A_05/28/25 DISS**	EPA 200.7	403692		
70356901022	**MW-06B_05/29/25 DISS**	EPA 200.7	403692		
70356901024	**MW-06E_05/29/25 DISS**	EPA 200.7	403692		
70356901026	**MW-06C_05/29/25 DISS**	EPA 200.7	403692		
70356901029	**MW-06F_05/30/25 DISS**	EPA 200.7	403692		
70356901031	**MW-06A_05/30/25 DISS**	EPA 200.7	403692		
70356901033	**FIELD BLANK_05/30/25 DISS**	EPA 200.7	403692		
70356901001	**OBS-1_5/27/25**	SM22 2340B	404790		
70356901003	**MW-09C_05/27/25**	SM22 2340B	404790		
70356901005	**MW-09B_05/27/25**	SM22 2340B	404790		
70356901007	**MW-05B_05/27/25**	SM22 2340B	404790		
70356901009	**BLIND DUPLICATE-1_5/27/25**	SM22 2340B	404790		
70356901012	**LF-2_05/28/25**	SM22 2340B	404790		
70356901014	**LF-1_05/28/25**	SM22 2340B	404790		
70356901016	**MW-08B_05/28/25**	SM22 2340B	404790		
70356901018	**MW-08A_05/28/25**	SM22 2340B	404790		
70356901021	**MW-06B_05/29/25**	SM22 2340B	404790		
70356901023	**MW-06E_05/29/25**	SM22 2340B	404790		
70356901025	**MW-06C_05/29/25**	SM22 2340B	404790		
70356901028	**MW-06F_05/30/25**	SM22 2340B	404790		
70356901030	**MW-06A_05/30/25**	SM22 2340B	404790		
70356901032	**FIELD BLANK_05/30/25**	SM22 2340B	404790		
70356901001	**OBS-1_5/27/25**	EPA 245.1	402645	EPA 245.1	402773

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70356901003	**MW-09C_05/27/25**	EPA 245.1	402645	EPA 245.1	402773
70356901005	**MW-09B_05/27/25**	EPA 245.1	402645	EPA 245.1	402773
70356901007	**MW-05B_05/27/25**	EPA 245.1	402645	EPA 245.1	402773
70356901009	**BLIND DUPLICATE-1_5/27/25**	EPA 245.1	402645	EPA 245.1	402773
70356901012	**LF-2_05/28/25**	EPA 245.1	402645	EPA 245.1	402773
70356901014	**LF-1_05/28/25**	EPA 245.1	402645	EPA 245.1	402773
70356901016	**MW-08B_05/28/25**	EPA 245.1	403182	EPA 245.1	403256
70356901018	**MW-08A_05/28/25**	EPA 245.1	403182	EPA 245.1	403256
70356901021	**MW-06B_05/29/25**	EPA 245.1	403182	EPA 245.1	403256
70356901023	**MW-06E_05/29/25**	EPA 245.1	403182	EPA 245.1	403256
70356901025	**MW-06C_05/29/25**	EPA 245.1	403182	EPA 245.1	403256
70356901028	**MW-06F_05/30/25**	EPA 245.1	403182	EPA 245.1	403256
70356901030	**MW-06A_05/30/25**	EPA 245.1	403182	EPA 245.1	403256
70356901032	**FIELD BLANK_05/30/25**	EPA 245.1	403182	EPA 245.1	403256
70356901002	**OBS-1_5/27/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901004	**MW-09C_05/27/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901006	**MW-09B_05/27/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901008	**MW-05B_05/27/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901010	**BLIND DUPLICATE-1_5/27/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901013	**LF-2_05/28/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901015	**LF-1_05/28/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901017	**MW-08B_05/28/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901019	**MW-08A_05/28/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901022	**MW-06B_05/29/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901024	**MW-06E_05/29/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901026	**MW-06C_05/29/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901029	**MW-06F_05/30/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901031	**MW-06A_05/30/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901033	**FIELD BLANK_05/30/25 DISS**	EPA 245.1	403683	EPA 245.1	403745
70356901001	**OBS-1_5/27/25**	EPA 8260D/5030C	401541		
70356901003	**MW-09C_05/27/25**	EPA 8260D/5030C	401541		
70356901005	**MW-09B_05/27/25**	EPA 8260D/5030C	401541		
70356901007	**MW-05B_05/27/25**	EPA 8260D/5030C	401541		
70356901009	**BLIND DUPLICATE-1_5/27/25**	EPA 8260D/5030C	401541		
70356901011	**TRIP BLANK_5/27/25**	EPA 8260D/5030C	401541		
70356901012	**LF-2_05/28/25**	EPA 8260D/5030C	401541		
70356901014	**LF-1_05/28/25**	EPA 8260D/5030C	401541		
70356901016	**MW-08B_05/28/25**	EPA 8260D/5030C	401541		
70356901018	**MW-08A_05/28/25**	EPA 8260D/5030C	401541		
70356901020	**TRIP BLANK_05/28/25**	EPA 8260D/5030C	401541		
70356901021	**MW-06B_05/29/25**	EPA 8260D/5030C	402034		
70356901023	**MW-06E_05/29/25**	EPA 8260D/5030C	402218		
70356901025	**MW-06C_05/29/25**	EPA 8260D/5030C	402034		
70356901027	**TRIP BLANK_05/29/25**	EPA 8260D/5030C	402218		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70356901028	**MW-06F_05/30/25**	EPA 8260D/5030C	402034		
70356901030	**MW-06A_05/30/25**	EPA 8260D/5030C	402034		
70356901032	**FIELD BLANK_05/30/25**	EPA 8260D/5030C	402218		
70356901034	**TRIP BLANK_5/30/25**	EPA 8260D/5030C	402218		
70356901001	**OBS-1_5/27/25**	SM22 2320B	403414		
70356901003	**MW-09C_05/27/25**	SM22 2320B	403414		
70356901005	**MW-09B_05/27/25**	SM22 2320B	403414		
70356901007	**MW-05B_05/27/25**	SM22 2320B	403414		
70356901009	**BLIND DUPLICATE-1_5/27/25**	SM22 2320B	403414		
70356901012	**LF-2_05/28/25**	SM22 2320B	403552		
70356901014	**LF-1_05/28/25**	SM22 2320B	403552		
70356901016	**MW-08B_05/28/25**	SM22 2320B	403552		
70356901018	**MW-08A_05/28/25**	SM22 2320B	403552		
70356901021	**MW-06B_05/29/25**	SM22 2320B	403689		
70356901023	**MW-06E_05/29/25**	SM22 2320B	403689		
70356901025	**MW-06C_05/29/25**	SM22 2320B	403689		
70356901028	**MW-06F_05/30/25**	SM22 2320B	403689		
70356901030	**MW-06A_05/30/25**	SM22 2320B	403689		
70356901032	**FIELD BLANK_05/30/25**	SM22 2320B	403689		
70356901012	**LF-2_05/28/25**	SM22 2320B	403814		
70356901001	**OBS-1_5/27/25**	SM22 2540C	401940		
70356901003	**MW-09C_05/27/25**	SM22 2540C	401940		
70356901005	**MW-09B_05/27/25**	SM22 2540C	401940		
70356901007	**MW-05B_05/27/25**	SM22 2540C	401940		
70356901009	**BLIND DUPLICATE-1_5/27/25**	SM22 2540C	401940		
70356901012	**LF-2_05/28/25**	SM22 2540C	402459		
70356901014	**LF-1_05/28/25**	SM22 2540C	402459		
70356901016	**MW-08B_05/28/25**	SM22 2540C	402459		
70356901018	**MW-08A_05/28/25**	SM22 2540C	402459		
70356901021	**MW-06B_05/29/25**	SM22 2540C	402649		
70356901023	**MW-06E_05/29/25**	SM22 2540C	402649		
70356901025	**MW-06C_05/29/25**	SM22 2540C	402649		
70356901028	**MW-06F_05/30/25**	SM22 2540C	402887		
70356901030	**MW-06A_05/30/25**	SM22 2540C	402887		
70356901032	**FIELD BLANK_05/30/25**	SM22 2540C	402887		
70356901001	**OBS-1_5/27/25**	SM22 3500-Cr B	401336		
70356901002	**OBS-1_5/27/25 DISS**	SM22 3500-Cr B	401336		
70356901003	**MW-09C_05/27/25**	SM22 3500-Cr B	401336		
70356901004	**MW-09C_05/27/25 DISS**	SM22 3500-Cr B	401336		
70356901005	**MW-09B_05/27/25**	SM22 3500-Cr B	401336		
70356901006	**MW-09B_05/27/25 DISS**	SM22 3500-Cr B	401336		
70356901007	**MW-05B_05/27/25**	SM22 3500-Cr B	401336		
70356901008	**MW-05B_05/27/25 DISS**	SM22 3500-Cr B	401336		
70356901009	**BLIND DUPLICATE-1_5/27/25**	SM22 3500-Cr B	401336		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70356901010	**BLIND DUPLICATE-1_5/27/25 DISS**	SM22 3500-Cr B	401336		
70356901012	**LF-2_05/28/25**	SM22 3500-Cr B	401606		
70356901013	**LF-2_05/28/25 DISS**	SM22 3500-Cr B	401606		
70356901014	**LF-1_05/28/25**	SM22 3500-Cr B	401606		
70356901015	**LF-1_05/28/25 DISS**	SM22 3500-Cr B	401606		
70356901016	**MW-08B_05/28/25**	SM22 3500-Cr B	401606		
70356901017	**MW-08B_05/28/25 DISS**	SM22 3500-Cr B	401606		
70356901018	**MW-08A_05/28/25**	SM22 3500-Cr B	401606		
70356901019	**MW-08A_05/28/25 DISS**	SM22 3500-Cr B	401606		
70356901021	**MW-06B_05/29/25**	SM22 3500-Cr B	401811		
70356901022	**MW-06B_05/29/25 DISS**	SM22 3500-Cr B	401811		
70356901023	**MW-06E_05/29/25**	SM22 3500-Cr B	401811		
70356901024	**MW-06E_05/29/25 DISS**	SM22 3500-Cr B	401811		
70356901025	**MW-06C_05/29/25**	SM22 3500-Cr B	401811		
70356901026	**MW-06C_05/29/25 DISS**	SM22 3500-Cr B	401811		
70356901028	**MW-06F_05/30/25**	SM22 3500-Cr B	401863		
70356901029	**MW-06F_05/30/25 DISS**	SM22 3500-Cr B	401863		
70356901030	**MW-06A_05/30/25**	SM22 3500-Cr B	401863		
70356901031	**MW-06A_05/30/25 DISS**	SM22 3500-Cr B	401863		
70356901032	**FIELD BLANK_05/30/25**	SM22 3500-Cr B	401863		
70356901033	**FIELD BLANK_05/30/25 DISS**	SM22 3500-Cr B	401863		
70356901001	**OBS-1_5/27/25**	EPA 300.0	404716		
70356901003	**MW-09C_05/27/25**	EPA 300.0	404716		
70356901005	**MW-09B_05/27/25**	EPA 300.0	404716		
70356901007	**MW-05B_05/27/25**	EPA 300.0	404716		
70356901009	**BLIND DUPLICATE-1_5/27/25**	EPA 300.0	404716		
70356901012	**LF-2_05/28/25**	EPA 300.0	404953		
70356901014	**LF-1_05/28/25**	EPA 300.0	404953		
70356901016	**MW-08B_05/28/25**	EPA 300.0	404953		
70356901018	**MW-08A_05/28/25**	EPA 300.0	404953		
70356901021	**MW-06B_05/29/25**	EPA 300.0	404953		
70356901023	**MW-06E_05/29/25**	EPA 300.0	404953		
70356901025	**MW-06C_05/29/25**	EPA 300.0	404953		
70356901028	**MW-06F_05/30/25**	EPA 300.0	404953		
70356901030	**MW-06A_05/30/25**	EPA 300.0	404953		
70356901032	**FIELD BLANK_05/30/25**	EPA 300.0	404953		
70356901001	**OBS-1_5/27/25**	EPA 351.2	403919	EPA 351.2	403921
70356901003	**MW-09C_05/27/25**	EPA 351.2	403919	EPA 351.2	403921
70356901005	**MW-09B_05/27/25**	EPA 351.2	403919	EPA 351.2	403921
70356901007	**MW-05B_05/27/25**	EPA 351.2	403919	EPA 351.2	403921
70356901009	**BLIND DUPLICATE-1_5/27/25**	EPA 351.2	403919	EPA 351.2	403921
70356901012	**LF-2_05/28/25**	EPA 351.2	403919	EPA 351.2	403921
70356901014	**LF-1_05/28/25**	EPA 351.2	403919	EPA 351.2	403921
70356901016	**MW-08B_05/28/25**	EPA 351.2	403919	EPA 351.2	403921
70356901018	**MW-08A_05/28/25**	EPA 351.2	403919	EPA 351.2	403921

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70356901021	**MW-06B_05/29/25**	EPA 351.2	403919	EPA 351.2	403921
70356901023	**MW-06E_05/29/25**	EPA 351.2	403919	EPA 351.2	403921
70356901025	**MW-06C_05/29/25**	EPA 351.2	403919	EPA 351.2	403921
70356901028	**MW-06F_05/30/25**	EPA 351.2	403919	EPA 351.2	403921
70356901030	**MW-06A_05/30/25**	EPA 351.2	403919	EPA 351.2	403921
70356901032	**FIELD BLANK_05/30/25**	EPA 351.2	403919	EPA 351.2	403921
70356901001	**OBS-1_5/27/25**	EPA 353.2	404397		
70356901003	**MW-09C_05/27/25**	EPA 353.2	404397		
70356901005	**MW-09B_05/27/25**	EPA 353.2	404397		
70356901007	**MW-05B_05/27/25**	EPA 353.2	404397		
70356901009	**BLIND DUPLICATE-1_5/27/25**	EPA 353.2	404397		
70356901012	**LF-2_05/28/25**	EPA 353.2	404397		
70356901014	**LF-1_05/28/25**	EPA 353.2	404397		
70356901016	**MW-08B_05/28/25**	EPA 353.2	404397		
70356901018	**MW-08A_05/28/25**	EPA 353.2	404397		
70356901021	**MW-06B_05/29/25**	EPA 353.2	404397		
70356901023	**MW-06E_05/29/25**	EPA 353.2	404397		
70356901025	**MW-06C_05/29/25**	EPA 353.2	404397		
70356901028	**MW-06F_05/30/25**	EPA 353.2	404397		
70356901030	**MW-06A_05/30/25**	EPA 353.2	404397		
70356901032	**FIELD BLANK_05/30/25**	EPA 353.2	404397		
70356901001	**OBS-1_5/27/25**	EPA 353.2	401439		
70356901003	**MW-09C_05/27/25**	EPA 353.2	401439		
70356901005	**MW-09B_05/27/25**	EPA 353.2	401439		
70356901007	**MW-05B_05/27/25**	EPA 353.2	401439		
70356901009	**BLIND DUPLICATE-1_5/27/25**	EPA 353.2	401439		
70356901012	**LF-2_05/28/25**	EPA 353.2	401671		
70356901014	**LF-1_05/28/25**	EPA 353.2	401672		
70356901016	**MW-08B_05/28/25**	EPA 353.2	401672		
70356901018	**MW-08A_05/28/25**	EPA 353.2	401672		
70356901021	**MW-06B_05/29/25**	EPA 353.2	401879		
70356901023	**MW-06E_05/29/25**	EPA 353.2	401879		
70356901025	**MW-06C_05/29/25**	EPA 353.2	401879		
70356901028	**MW-06F_05/30/25**	EPA 353.2	401880		
70356901030	**MW-06A_05/30/25**	EPA 353.2	401880		
70356901032	**FIELD BLANK_05/30/25**	EPA 353.2	401880		
70356901001	**OBS-1_5/27/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901003	**MW-09C_05/27/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901005	**MW-09B_05/27/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901007	**MW-05B_05/27/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901009	**BLIND DUPLICATE-1_5/27/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901012	**LF-2_05/28/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901014	**LF-1_05/28/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901016	**MW-08B_05/28/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901018	**MW-08A_05/28/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OLD BETHPAGE LANDFILL 5/27
Pace Project No.: 70356901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70356901021	**MW-06B_05/29/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901023	**MW-06E_05/29/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901025	**MW-06C_05/29/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901028	**MW-06F_05/30/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901030	**MW-06A_05/30/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901032	**FIELD BLANK_05/30/25**	SM20/22 4500-CN-C	401979	SM22 4500-CN-E	402044
70356901001	**OBS-1_5/27/25**	SM22 4500-Cl-E	401983		
70356901003	**MW-09C_05/27/25**	SM22 4500-Cl-E	401983		
70356901005	**MW-09B_05/27/25**	SM22 4500-Cl-E	401983		
70356901007	**MW-05B_05/27/25**	SM22 4500-Cl-E	401983		
70356901009	**BLIND DUPLICATE-1_5/27/25**	SM22 4500-Cl-E	401983		
70356901012	**LF-2_05/28/25**	SM22 4500-Cl-E	401983		
70356901014	**LF-1_05/28/25**	SM22 4500-Cl-E	401983		
70356901016	**MW-08B_05/28/25**	SM22 4500-Cl-E	401983		
70356901018	**MW-08A_05/28/25**	SM22 4500-Cl-E	401983		
70356901021	**MW-06B_05/29/25**	SM22 4500-Cl-E	401983		
70356901023	**MW-06E_05/29/25**	SM22 4500-Cl-E	401983		
70356901025	**MW-06C_05/29/25**	SM22 4500-Cl-E	401983		
70356901028	**MW-06F_05/30/25**	SM22 4500-Cl-E	401983		
70356901030	**MW-06A_05/30/25**	SM22 4500-Cl-E	402452		
70356901032	**FIELD BLANK_05/30/25**	SM22 4500-Cl-E	402452		
70356901001	**OBS-1_5/27/25**	SM22 4500 NH3 H	403721		
70356901003	**MW-09C_05/27/25**	SM22 4500 NH3 H	403721		
70356901005	**MW-09B_05/27/25**	SM22 4500 NH3 H	403721		
70356901007	**MW-05B_05/27/25**	SM22 4500 NH3 H	403721		
70356901009	**BLIND DUPLICATE-1_5/27/25**	SM22 4500 NH3 H	403726		
70356901012	**LF-2_05/28/25**	SM22 4500 NH3 H	403721		
70356901014	**LF-1_05/28/25**	SM22 4500 NH3 H	403721		
70356901016	**MW-08B_05/28/25**	SM22 4500 NH3 H	403721		
70356901018	**MW-08A_05/28/25**	SM22 4500 NH3 H	403726		
70356901021	**MW-06B_05/29/25**	SM22 4500 NH3 H	403726		
70356901023	**MW-06E_05/29/25**	SM22 4500 NH3 H	403726		
70356901025	**MW-06C_05/29/25**	SM22 4500 NH3 H	403726		
70356901028	**MW-06F_05/30/25**	SM22 4500 NH3 H	403726		
70356901030	**MW-06A_05/30/25**	SM22 4500 NH3 H	403726		
70356901032	**FIELD BLANK_05/30/25**	SM22 4500 NH3 H	403726		

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WO#: 70356901

70356901

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Town of Oyster Bay
Street Address:	150 Miller Place, Syosset, NY 11791
Customer Project #:	3617-09
Project Name:	Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable):	Old Bethpage Landfill
Contact/Report To:	Russo, Matt
Phone #:	none
E-Mail:	MRusso@tobays.net
Cc E-Mail:	KRobins@db-eng.com
Invoice to:	Matt Russo
Invoice E-mail:	MRusso@tobays.net
Purchase Order # (if applicable):	—
Quote #:	—
County / State origin of sample(s):	New York

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [X] Other Category B

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [X] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested: Standard

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: CR+6 / Dissolved metals

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Alkalinity	Cl, SO4, CO3, HCO3	Cyanide	Dissolved CR+6 Field Filtered (F)	Dissolved Metals Field Filtered (F)	NH3 NO3 TKN	NO2, TDS	Phenolics by (420)	Total metals Hardness	VOCs by (8260)	Sample Comment
OBS-1_5/27/25	GW	G	5/27/25	11:10 am	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MW-09C-5/27/25	GW	G	5/27/25	1:15 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MW-09B-5/27/25	GW	G	5/27/25	2:45 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MW-05B-5/27/25	GW	G	5/27/25	4:15 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Blind Duplicate-1-5/27/25	GW	G	5/27/25	0000	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Trip Blank-5/28/25	AQ	—	5/29/25	—	—	—	2			-	-	-	-	-	-	-	-	-	✓	

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®: Provide Category B deliverables. Send data to Lab data @db-eng.com

Collected By: Printed Name: Keith Robins Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards: Samples noted with (F) were field filtered

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	On Ice
1	TH211	+0.2	5.2	5.4	Yes

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Keith Robins / DvB Engineers + Architects	5/28/2025 0805	[signature] / Pace	5/28/25 0855
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [X] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70356901

PM: LAB **Due Date: 06/11/25**
CLIENT: TOY

Client Name: TOY **Project #**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐Yes ☑No **Seals intact:** ☐ Yes ☑ No **Temperature Blank Present:** ☑ Yes ☐ No
Packing Material: ☐Bubble Wrap ☐ Bubble Bags ☑ Ziploc ☐ None ☐ Other **Type of Ice:** (Wet) Blue None

Thermometer Used: TH211 **Correction Factor:** +0.2 ☐Samples on ice, cooling process has begun
Cooler Temperature(°C): 5.2 **Cooler Temperature Corrected(°C):** 5.4 **Date/Time 5035A kits placed in freezer**
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: 5/28/25 PD

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used: -Pace Containers Used:	☑Yes ☑Yes	☐No ☐No		9.
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☐Yes	☐No		12.

Date and Initials of person checking preservation: 5/28/25 PD

All containers needing preservation have been checked. pH paper Lot # 231224	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #		
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed:	Lot # of added preservative:	Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N		
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot # 14-862	☑Yes	☐No	☐N/A	15. Positive for Sulfide? Y N		
Headspace in ALK Bottle (>6mm):	☐Yes	☑No	☐N/A			
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	16.		
Trip Blank Present:	☑Yes	~~☐No~~	~~☐N/A~~	17.		
Trip Blank Custody Seals Present	☐Yes	☑No	~~☑N/A~~			

5/28/25 PD

Client Notification/ Resolution: **Field Data Required?** Y / N
Person Contacted: **Date/Time:**
Comments/ Resolution:

*** PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.**

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 70356901

PM: KMM **Due Date: 06/11/25**

CLIENT: TOY

Company Name:	Town of Oyster Bay
Street Address:	150 Miller Place, Syosset, New York 11791
Customer Project #:	3617-09
Project Name:	Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable):	Old Bethpage Landfill
Contact/Report To:	Russo, Matt
Phone #:	—
E-Mail:	MRusso@TOBAYS.net
Cc E-Mail:	KRobins@db-eng.com
Invoice to:	Matt Russo
Invoice E-mail:	MRusso@TOBAYS.net
Purchase Order # (if applicable):	—
Quote #:	—
County / State origin of sample(s):	New York

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [X] Other Category B

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [X] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested: Standard

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: CR+6 / Dissolved metals

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units
MW-06B - 5/29/25	GW	G	5/29/25	11:00 am	—	—	13		
MW-06E - 5/29/25	GW	G	5/29/25	1:45 pm	—	—	13		
MW-06C - 5/29/25	GW	G	5/29/25	3:15 pm	—	—	13		
Trip Blank - 5/29/25	AQ	—	5/29/25	—	—	—	2		

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Alkalinity	Cl, SO4, H+CO3, CO3, Cyanide	Dissolved CR+6 Field Filtered (FF)	Dissolved Metals Field Filtered (FF)	NH3, NO3, TKN	NO2, TDS	Phenolics (420.1)	Total Metals + Hardness	VOCs (8260)
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
—	—	—	—	—	—	—	—	✓

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace®: Provide Category B deliverables. Send data to lab data@db-eng.com

Collected By: Printed Name: Kenny Robins Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C):	Corrected Temp. (°C):	On Ice
1	dh211	+2	3.0	5.2	(Y)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Keith Robins DiB Engineers + Architects	5/30/25 0900	Received by/Company: (Signature)	Date/Time: 5/30/25 8:03
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [X] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70356901
PM: KMM **Due Date: 06/11/25**
CLIENT: TOY

Client Name: TOY Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH211 Correction Factor: +.2 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 3.0 Cooler Temperature Corrected(°C): 3.2 Date/Time 5035A kits placed in freezer
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: WLS 13 Jun 25

		COMMENTS:
Chain of Custody Present:	☑Yes ☐No	1.
Chain of Custody Filled Out:	☑Yes ☐No	2.
Chain of Custody Relinquished:	☑Yes ☐No	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes ☐No	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No	
Containers Intact:	☐Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11. Note, if sediment is visible in the dissolved container. field filtered volume received for DISS tests
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☑Yes ☐No	12.

Date and Initials of person checking preservation: WLS 13 Jun 25

All containers needing preservation have been pH paper Lot # 231227	☑Yes ☐No ☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes ☐No ☐N/A	Initial when completed: / Lot # of added preservative / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes ☐No ☑N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot #	☐Yes ☐No ☑N/A	15. Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes ☑No ☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	16.
Trip Blank Present:	☑Yes ☐No ☐N/A	17.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 70356901

PM: KMM Due Date: 06/11/25

CLIENT: TOY

Company Name:	Town of Oyster Bay
Street Address:	150 Miller Place Syosset, NY 11791
Customer Project #:	3617-09
Project Name:	Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable):	Old Bethpage Landfill
Contact/Report To:	MATT Russo
Phone #:	—
E-Mail:	MRusso@TOBAYS.net
Cc E-Mail:	KRobins@db-eng.com
Invoice to:	MATT Russo
Invoice E-mail:	MRusso@TOBAYS.net
Purchase Order # (if applicable):	—
Quote #:	—

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s):

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [X] Other Category B

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [X] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested: STANDARD

DW PWSID # or WW Permit # as applicable: —

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: CR+6 / Dissolved metals

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Alkanity	Cl, SO4, CR, HCO3	CR+6	CYanide	Dissolved CR+6 Field Filtered (F)	Dissolved Metals Field Filtered (F)	NH3, NO3, TKN	NO2, TDS	Phenolics (Y20.1)	Total metals, Hardness	VOCs (8260)
LF-2 — 5/28/25	GW	G	5/28/25	1035	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LF-1 — 5/28/25	GW	G	5/28/25	100 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-08B — 5/28/25	GW	G	5/28/25	250 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-08A — 5/28/25	GW	G	5/28/25	335 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trip Blank — 5/28/25	AQ	—	5/28/25	—	—	—	2			—	—	—	—	—	—	—	—	—	—	✓

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace®: Provide Category "B" deliverables Send data to Lab data@db-eng.com

Collected By: Printed Name: Keith Robins Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards: Samples denoted with (F) were field filtered

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs Temp. (°C):	Corrected Temp. (°C):	On Ice
1	DB-11	+2	4.9	5.1	(W)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Keith Robins (DuBs Engineers + Architects)	5/29/2025 0855		5/29/25 8:58
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [X] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

DC# Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70356901
PM: KMM **Due Date: 06/11/25**
CLIENT: TOY

Client Name: TOY Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☑ No Temperature Blank Present: ☐ Yes ☐ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH214 Correction Factor: +1.2 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 3.9 Cooler Temperature Corrected(°C): 5.1 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: 5/28/25 PD

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☑Yes	☐No	☐N/A	11. Note, if sediment is visible in the dissolved container. Filtered volume received for Diss metals and Diss Hexchrome
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	☑Yes	☐No		12.
	SL (WT) OIL OTHER			

Date and Initials of person checking preservation: 5/28/25 PD

All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 231224				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑Yes	☐No	☐N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed / Lot # of added preservative / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulf	☑Yes	☐No	☐N/A	15
Lead Acetate Strips Lot # 14-862				Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☑No	☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	16
Trip Blank Present:	☑Yes	☐No	☐N/A	17
Trip Blank Custody Seals Present	☐Yes	☑No	☐N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 70356901

PM: KMM **Due Date: 06/11/25**

CLIENT: TOY

Company Name:	Town of Oyster Bay
Street Address:	150 Miller Place Syosset, NY 11791
Customer Project #:	3617-09
Project Name:	Old Bethpage Landfill
Site Collection Info/Facility ID (as applicable):	Old Bethpage Landfill
Contact/Report To:	Matt Russo
Phone #:	—
E-Mail:	MRusso@TOBAYS.net
Cc E-Mail:	KRobins@db-eng.com
Invoice to:	Matt Russo
Invoice E-mail:	MRusso@TOBAYS.net
Purchase Order # (if applicable):	—
Quote #:	—
County / State origin of sample(s):	New York

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [X] Other Category B

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [Y]

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested: Standard

DW PWSID # or WW Permit # as applicable: —

Field Filtered (if applicable): [X] Yes [ ] No

Analysis: dissolved metals + dissolved Cr6+

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Alkalinity	Cl, SO4, CO3, HCO3	Cyanide	Dissolved Cr6+ Field Filtered (Lab)	Dissolved Metals Field Filtered (Lab)	NH3, NO3, TKN	NO3, TDS	Phenolics (420.1)	Total Metals + Hardness	VOCs (8260)
MW-06F-5/30/25	GW	G	5/30/25	1135 am	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-06A-5/30/25	GW	G	5/30/25	1250 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Field Blank-5/30/25	water	G	5/30/25	130 pm	—	—	13			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trip Blank-5/30/25	Alt	—	5/30/25	—	—	—	2			—	—	—	—	—	—	—	—	—	✓

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace®: Provide Category "B" Send data to Matt data@db-eng.com

Collected By: Printed Name: Kevin Robins Signature: Keith Robins

Customer Remarks / Special Conditions / Possible Hazards: Samples decanted with (F) were field filtered

# Coolers	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	On Ice
1	TH211	+0.2	1.6	1.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Keith Robins D+B Engineers & Architects	5/30/25 3:00 pm	[illegible]	5/30/25 15:03
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: (X) Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70356901
PM: KMM Due Date: 06/11/25
CLIENT: TOY

Client Name: TOY Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☑ No Temperature Blank Present: ☑ Yes ☐ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Ziploc ☐ None ☐ Other Type of Ice: Wet Blue None

Thermometer Used: TH21 Correction Factor: +0.2 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 1.6 Cooler Temperature Corrected(°C): 1.8 Date/Time 5035A kits placed in freezer
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: WLS 1/30/25

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☑Yes	☐No	☐N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☑Yes	☐No		12.

Date and Initials of person checking preservation: WLS 1/30/25

All containers needing preservation have been pH paper Lot # 231224	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # 0229014	☑Yes	☐No	☐N/A	14. Positive for Res. Chlorine? Y (N)
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot # 0227202	☑Yes	☐No	☐N/A	15. Positive for Sulfide? Y (N)
Headspace in ALK Bottle (>6mm):	☐Yes	☑No	☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	16.
Trip Blank Present:	☑Yes	☐No	☐N/A	17.
Trip Blank Custody Seals Present	☐Yes	☑No	☐N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Microbac Laboratories Inc., - Marietta, OH

Client Project ID:

70356901

For:

Avida Sharma

Pace Analytical Melville

575 Broad Hollow RD

Melville, NY 11747

Project State of Origin: New York

Project Requested Certification:

Microbac Laboratories Inc., - Marietta, OH	10861	NY State Department of Health

All test results meet the requirements of the QAPP and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in the report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. The reported results are related only to the samples analyzed as received. This laboratory report may be released as a hardcopy and in computer-readable form submitted electronically or on diskette. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories, Inc.

Laboratory Project Manager:

Michelle Taylor

Project Manager

Michelle.Taylor@microbac.com

Authorized By:

Michelle Taylor

Project Manager

Issued: 06/17/2025

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.8°C

Cooler Inspection Checklist

Ice Present or not required?	Yes
Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes
Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes
Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes
Sample type identified on COC?	Yes
Correct type of Containers Received	Yes
Correct number of containers listed on COC?	Yes
Containers Intact?	Yes
COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes
Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes
Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes
Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes

Case Narrative

Phenol: The BS recovery (129%) was above the acceptance limits (120%). The sample result for M5F0109-15 was below the reporting limit and is not affected.

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Sample Notes

EPA 420.1

Q2	**LCS recovery is above acceptance limits.**

Phenolics, Total

M5F0109-15	FIELD BLANK_05/30/25

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	OBS-1_5/27/25			**Collection Date:**	05/27/2025 11:10
Laboratory ID:	M5F0109-01			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:34
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-017
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-09C_05/27/25			**Collection Date:**	05/27/2025 13:15
Laboratory ID:	M5F0109-02			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:36
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-018
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-09B_05/27/25			**Collection Date:**	05/27/2025 14:45
Laboratory ID:	M5F0109-03			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:39
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-019
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-05B_05/27/25			**Collection Date:**	05/27/2025 16:15
Laboratory ID:	M5F0109-04			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:42
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-020
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	BLIND DUPLICATE-1_5/27/25			**Collection Date:**	05/27/2025 00:01
Laboratory ID:	M5F0109-05			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:44
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-021
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	LF-2_05/28/25			**Collection Date:**	05/28/2025 10:35
Laboratory ID:	M5F0109-06			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:50
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-024
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	LF-1_05/28/25			**Collection Date:**	05/28/2025 13:00
Laboratory ID:	M5F0109-07			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:52
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-025
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-08B_05/28/25			**Collection Date:**	05/28/2025 14:50
Laboratory ID:	M5F0109-08			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:55
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-026
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-08A_05/28/25			**Collection Date:**	05/28/2025 15:35
Laboratory ID:	M5F0109-09			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 17:58
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-027
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	**0.0118**	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-06B_05/29/25			**Collection Date:**	05/29/2025 11:00
Laboratory ID:	M5F0109-10			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 18:00
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-028
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-06E_05/29/25			**Collection Date:**	05/29/2025 13:45
Laboratory ID:	M5F0109-11			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 18:03
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-029
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-06C_05/29/25			**Collection Date:**	05/29/2025 15:15
Laboratory ID:	M5F0109-12			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 18:06
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-030
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-06F_05/30/25			**Collection Date:**	05/30/2025 11:35
Laboratory ID:	M5F0109-13			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 18:08
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-031
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	**0.0458**	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	MW-06A_05/30/25			**Collection Date:**	05/30/2025 12:50
Laboratory ID:	M5F0109-14			**Prep Date:**	06/09/2025 09:26
Matrix:	Aqueous			**Analyzed:**	06/09/2025 18:11
Batch / Sequence:	B5F0410 / S5F0132	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-09_01_PHENOL_APH-032
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

Client ID:	FIELD BLANK_05/30/25			**Collection Date:**	05/30/2025 13:30
Laboratory ID:	M5F0109-15			**Prep Date:**	06/13/2025 09:12
Matrix:	Aqueous			**Analyzed:**	06/13/2025 15:29
Batch / Sequence:	B5F0784 / S5F0233	**Analytical Method:**	EPA 420.1	**Calibration:**	UNASSIGNED
Instrument:	E-OVD-DISCREET-127	**Units:**	mg/L	**File ID:**	25-06-13_01_PHENOL_APH-015
Analyst:	APH	**Dilution:**	1		

Analyte	CAS Number	Result	MDL	RL	Flag	Qualifier
Phenolics, Total	TOTPHEN	ND	0.0094	0.0100		Q2

Laboratory Report Number: M5F0109

Client Project ID: 70356901

Notes and Definitions

mg/L: Milligrams per Liter
Q2: LCS recovery is above acceptance limits.
MDL: Method Detection Limit
RL: Reporting Limit

Chain of Custody

PASI New York Laboratory

Workorder: 70356901 **Workorder Name:** OLD BETHPAGE LANDFILL 5/27 **Results Requested By:** 6/16/2025

Report / Invoice To	Subcontract To
Kimberley M. Mack Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone 516-370-6052 Email: kimberley.mack@pacelabs.com	**MICROBAC** 158 Starlite Drive Marietta, OH 45750 P.O. 70356901 KMM

Send Invoice To: invoices@pacelabs.coupahost.com
State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: H2SO4	Requested Analysis: Phenol	LAB USE ONLY
1	OBS-1_5/27/25	5/27/2025 11:10	70356901001	Water		X	
2	MW-09C_05/27/25	5/27/2025 13:15	70356901003	Water		X	
3	MW-09B_05/27/25	5/27/2025 14:45	70356901005	Water		X	
4	MW-05B_05/27/25	5/27/2025 16:15	70356901007	Water		X	
5	BLIND DUPLICATE-1_5/27/25	5/27/2025 00:00	70356901009	Water		X	
6	LF-2_05/28/25	5/28/2025 10:35	70356901012	Water		X	
7	LF-1_05/28/25	5/28/2025 13:00	70356901014	Water		X	
8	MW-08B_05/28/25	5/28/2025 14:50	70356901016	Water		X	
9	MW-08A_05/28/25	5/28/2025 15:35	70356901018	Water		X	
10	MW-06B_05/29/25	5/29/2025 11:00	70356901021	Water		X	
11	MW-06E_05/29/25	5/29/2025 13:45	70356901023	Water		X	
12	MW-06C_05/29/25	5/29/2025 15:15	70356901025	Water		X	
13	MW-06F_05/30/25	5/30/2025 11:35	70356901028	Water		X	
14	MW-06A_05/30/25	5/30/2025 12:50	70356901030	Water		X	
15	FIELD BLANK_05/30/25	5/30/2025 13:30	70356901032	Water		X	
16							
17							
18							
19							

M 5 F 0 1 0 9

Pace Analytical - Melville. NY
Rec'd: 06/03/2025 11:20
By: Stephanie Murphy Temp: 0.8 (Signature)

NEED LEVEL 4 DATA PACKAGE KK&eel 6/2/25

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	[signature] Pacer	6/2/25 1807			NEED LEVEL 4 DATA PACKAGE
2			[signature] Murphy	6/3/25 1130	
3					

Cooler Temperature on Receipt 1.8 °C N | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

[signature] 6/2/25

MICROBAC®

Work Order # M5F0109

COOLER TEMP >6° C LOG

SAMPLE ID	Bottle 1 °C	Bottle 2 °C	Bottle 3 °C	Bottle 4 °C	Bottle 5 °C	Bottle 6 °C
			10/31/25 SM			

pH Lot # HC46012271

pH Exceptions

SAMPLE ID	Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6
			10/31/25 SM			

PRESERVATIVE EXCEPTIONS

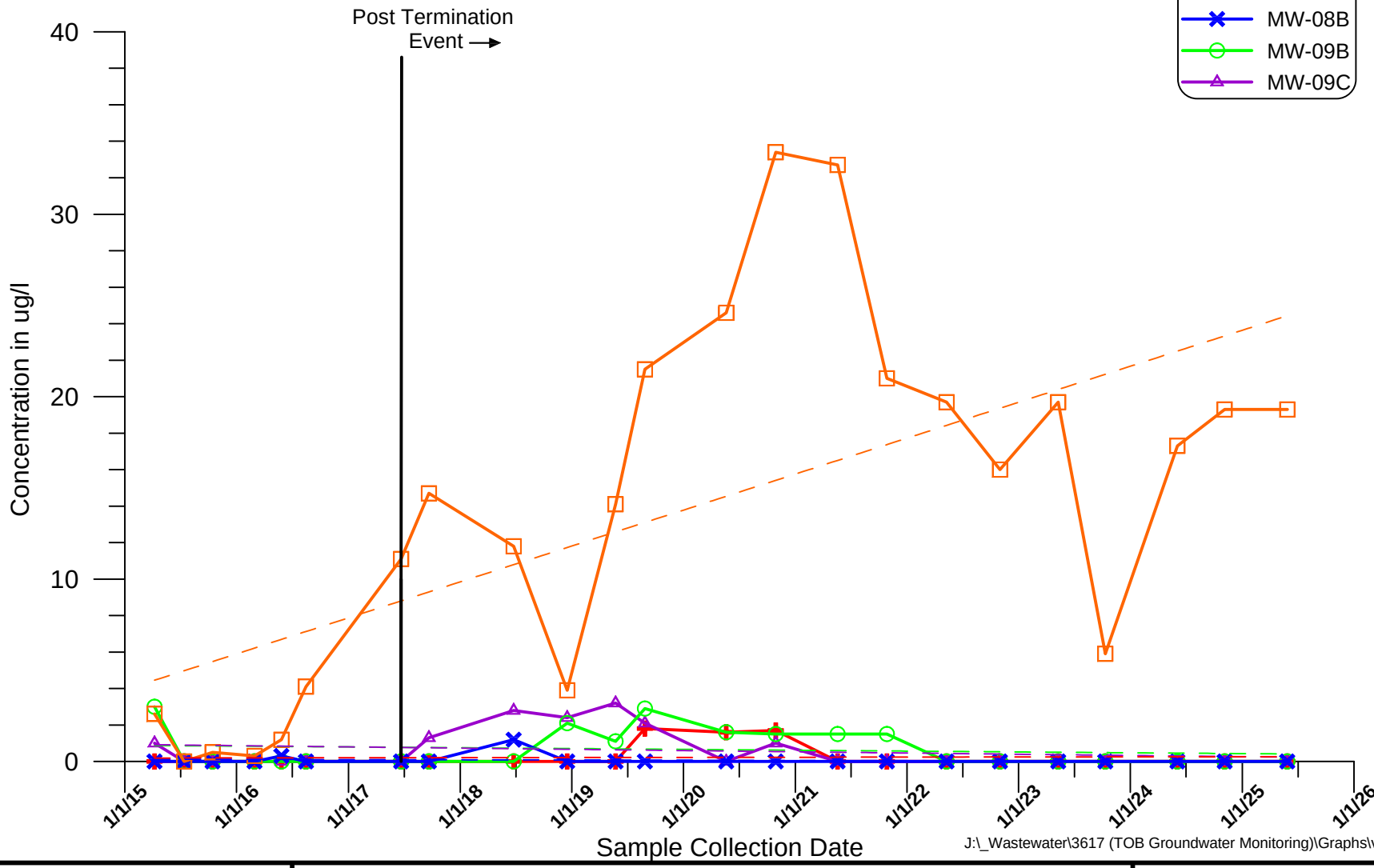
NONE

AS NOTED

10/31/25 SM

APPENDIX E

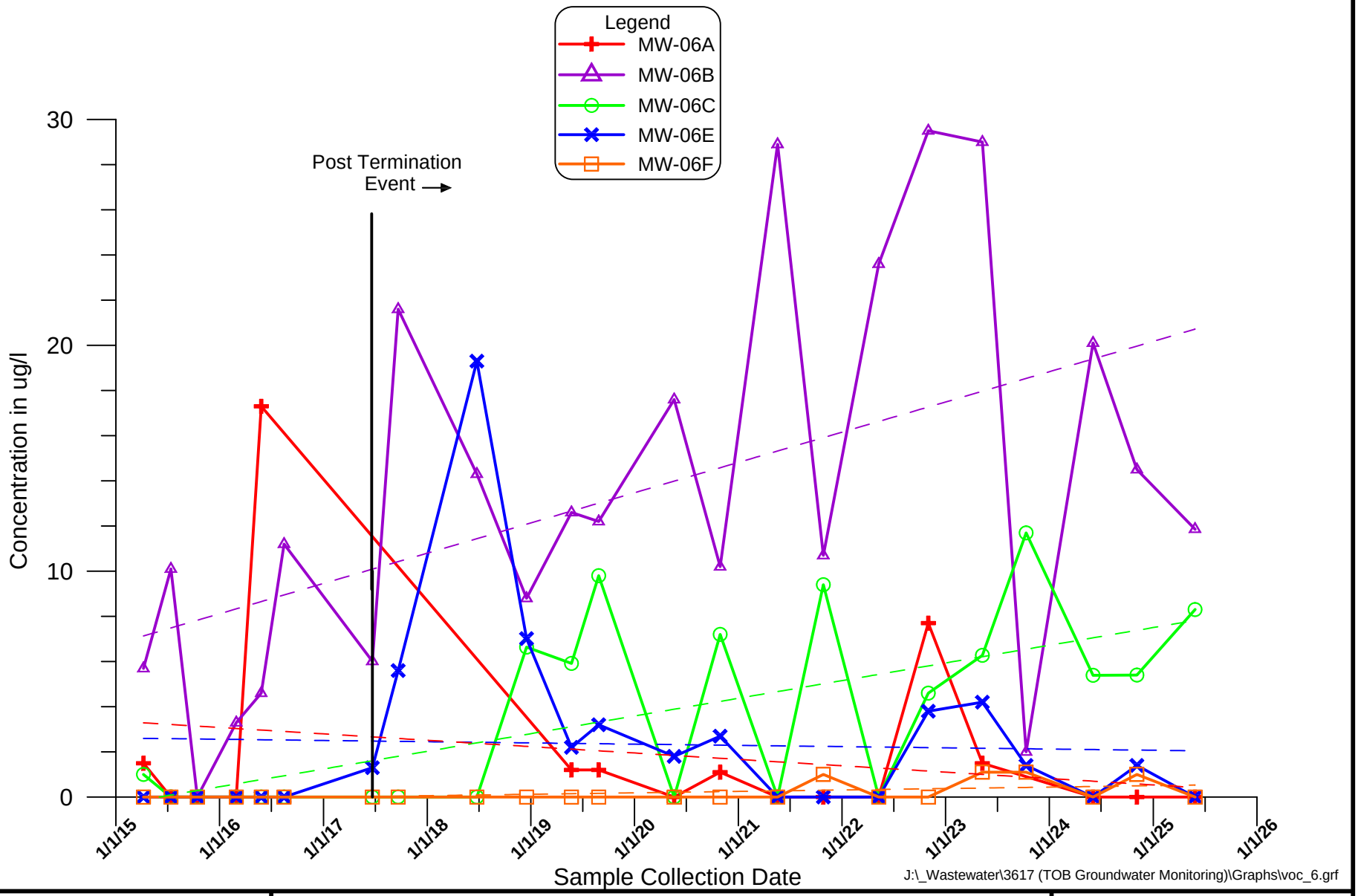
POST-TERMINATION HISTORICAL GROUNDWATER TREND GRAPHS



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Total Volatile Organic Compounds
Data for Monitoring Wells 5, 8, & 9

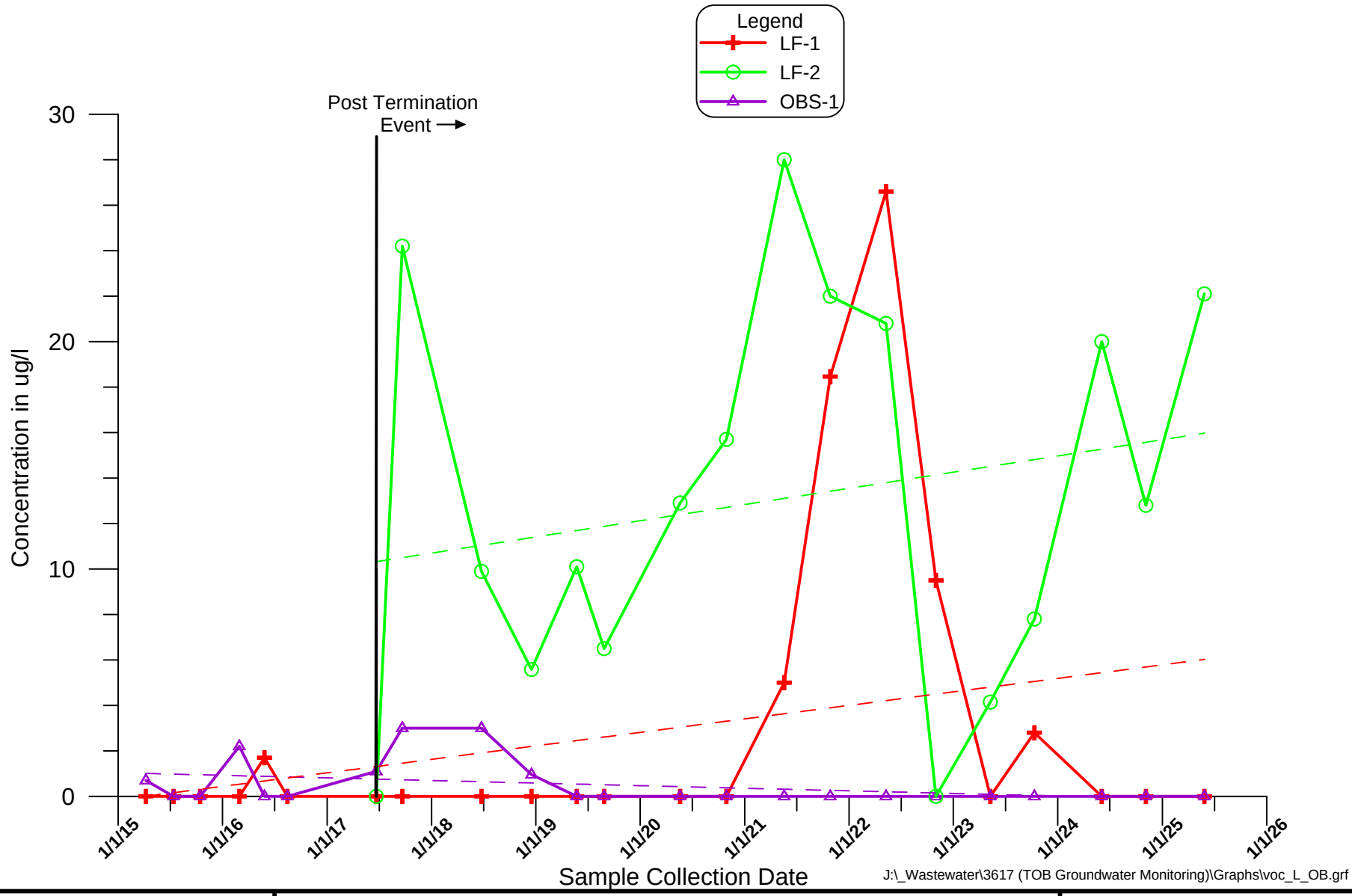
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Total Volatile Organic Compounds
Data for Monitoring Well Cluster 6

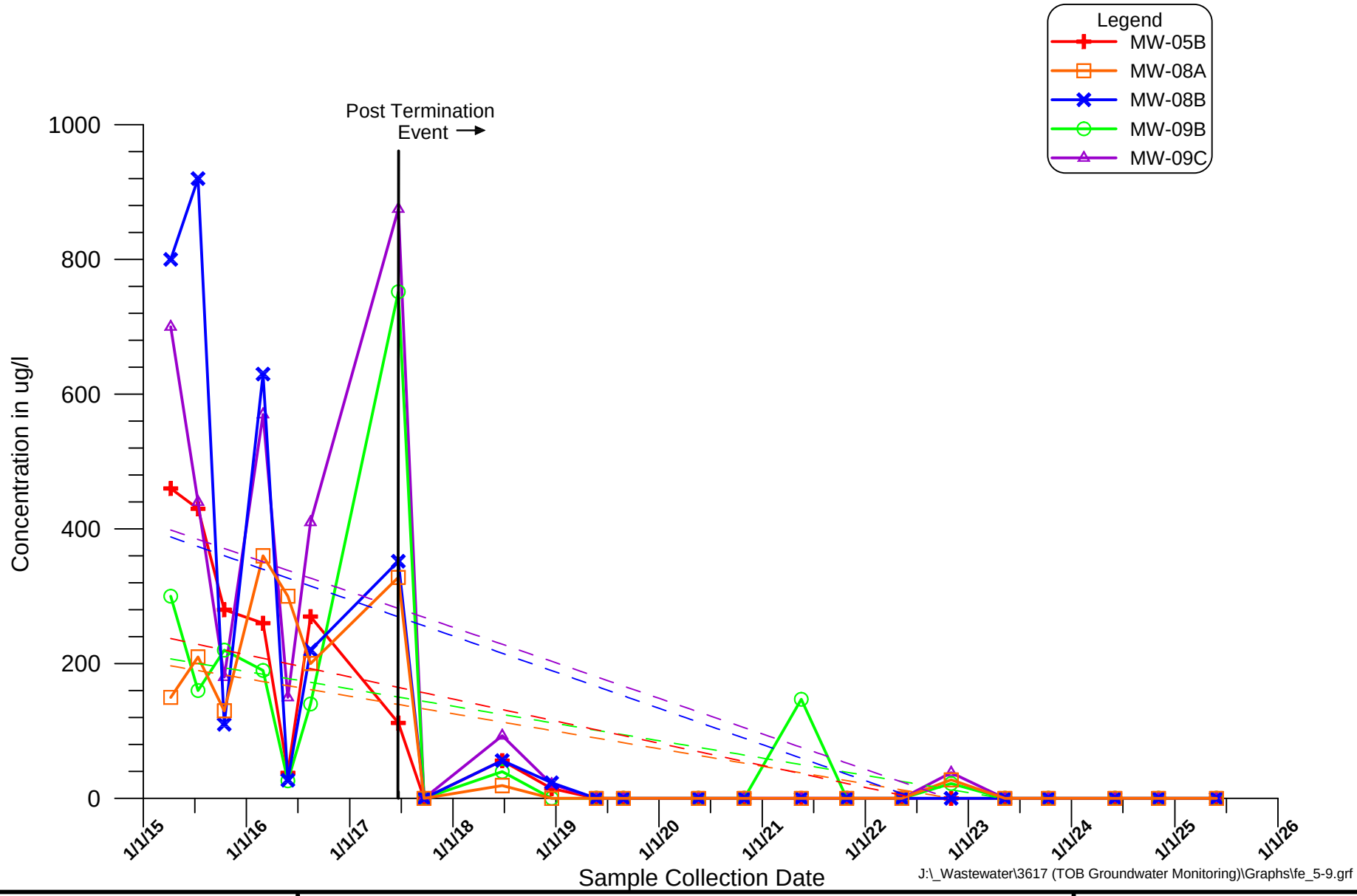
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Total Volatile Organic Compounds
Data for Wells LF-1, LF-2 & OBS-1

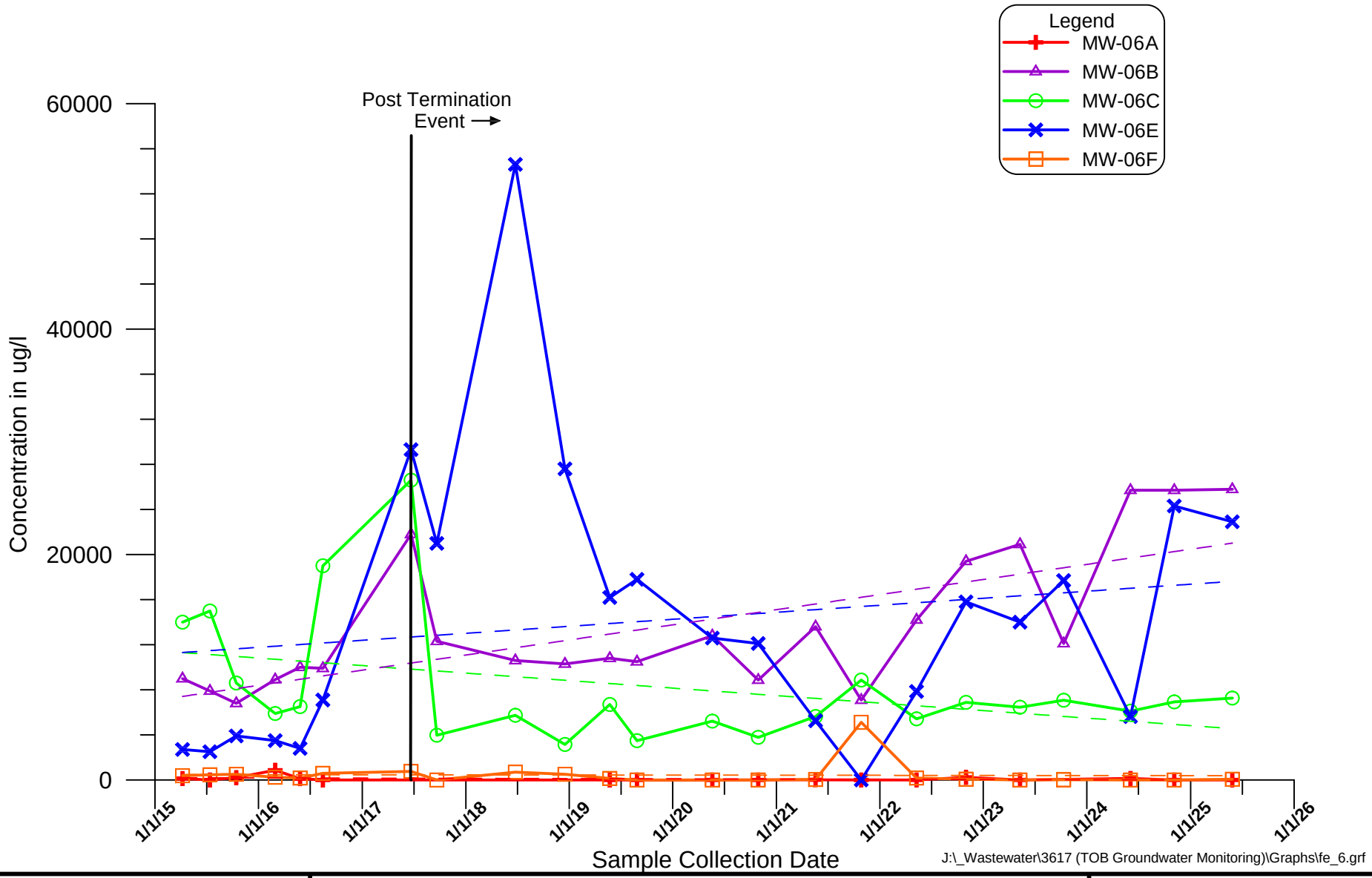
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Iron
Data for Monitoring Wells 5, 8, & 9

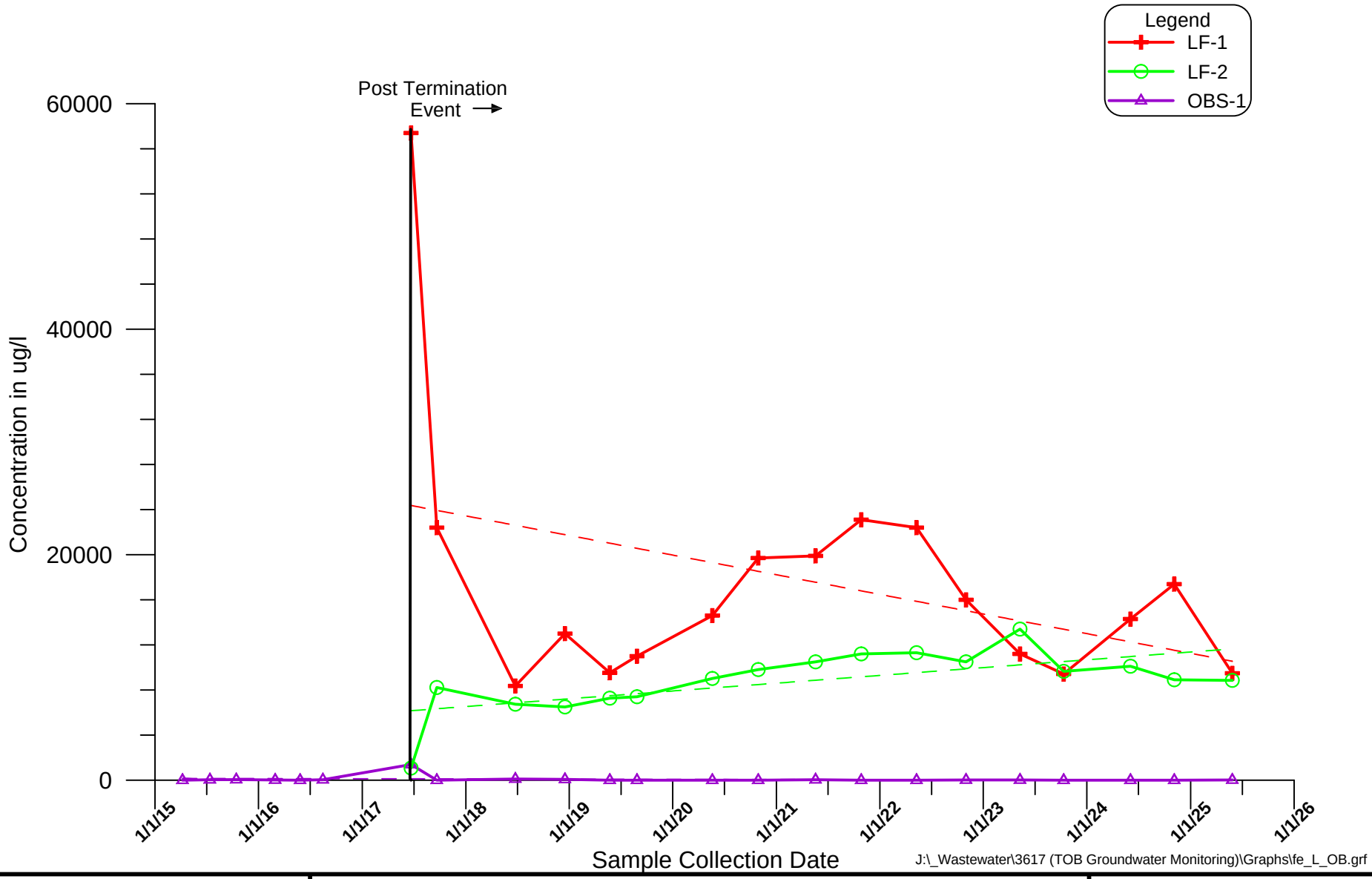
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Iron
Data for Monitoring Well Cluster 6

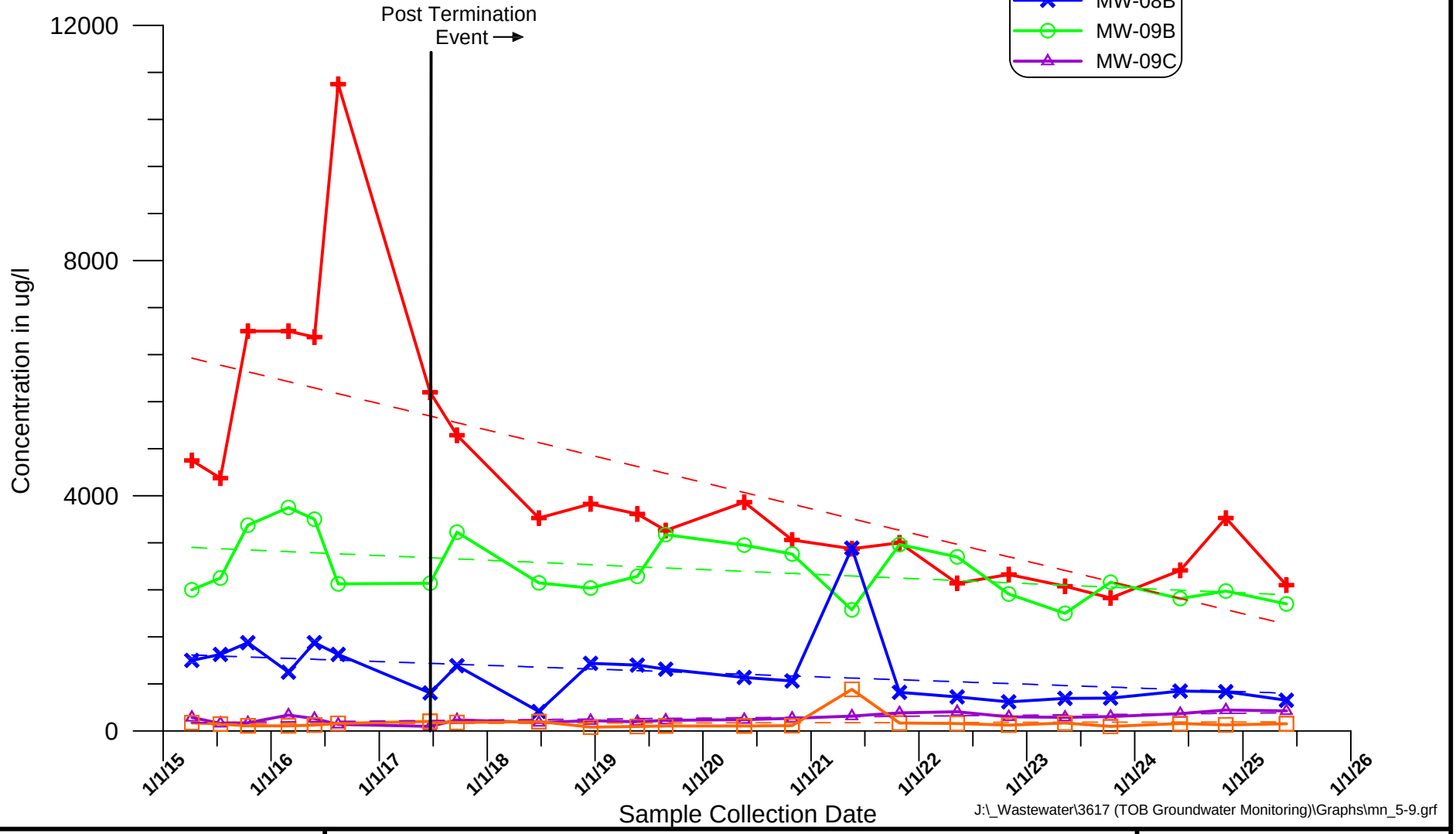
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Iron
Data for Wells LF-1, LF-2 & OBS-1

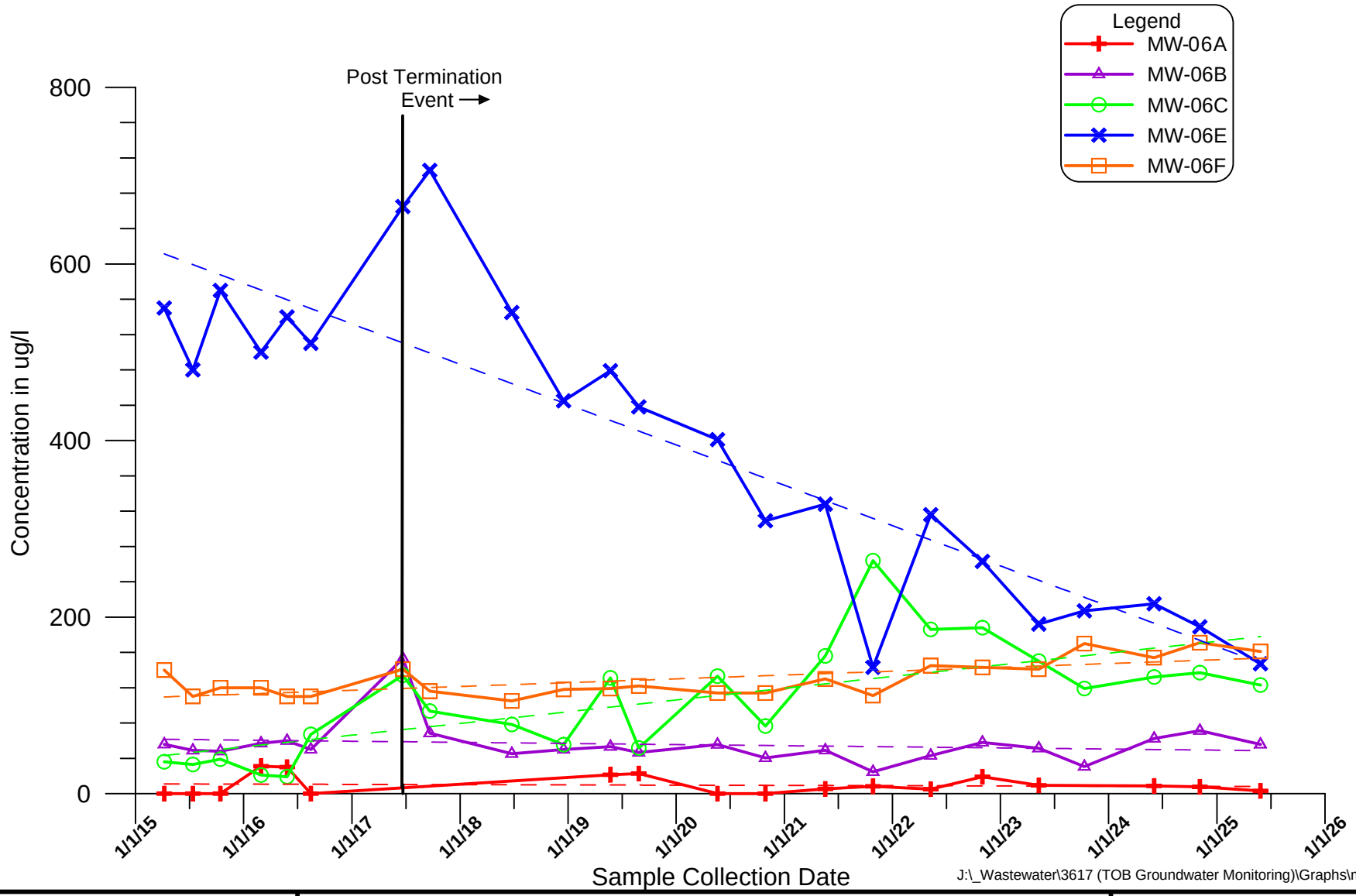
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Manganese
Data for Monitoring Wells 5, 8, & 9

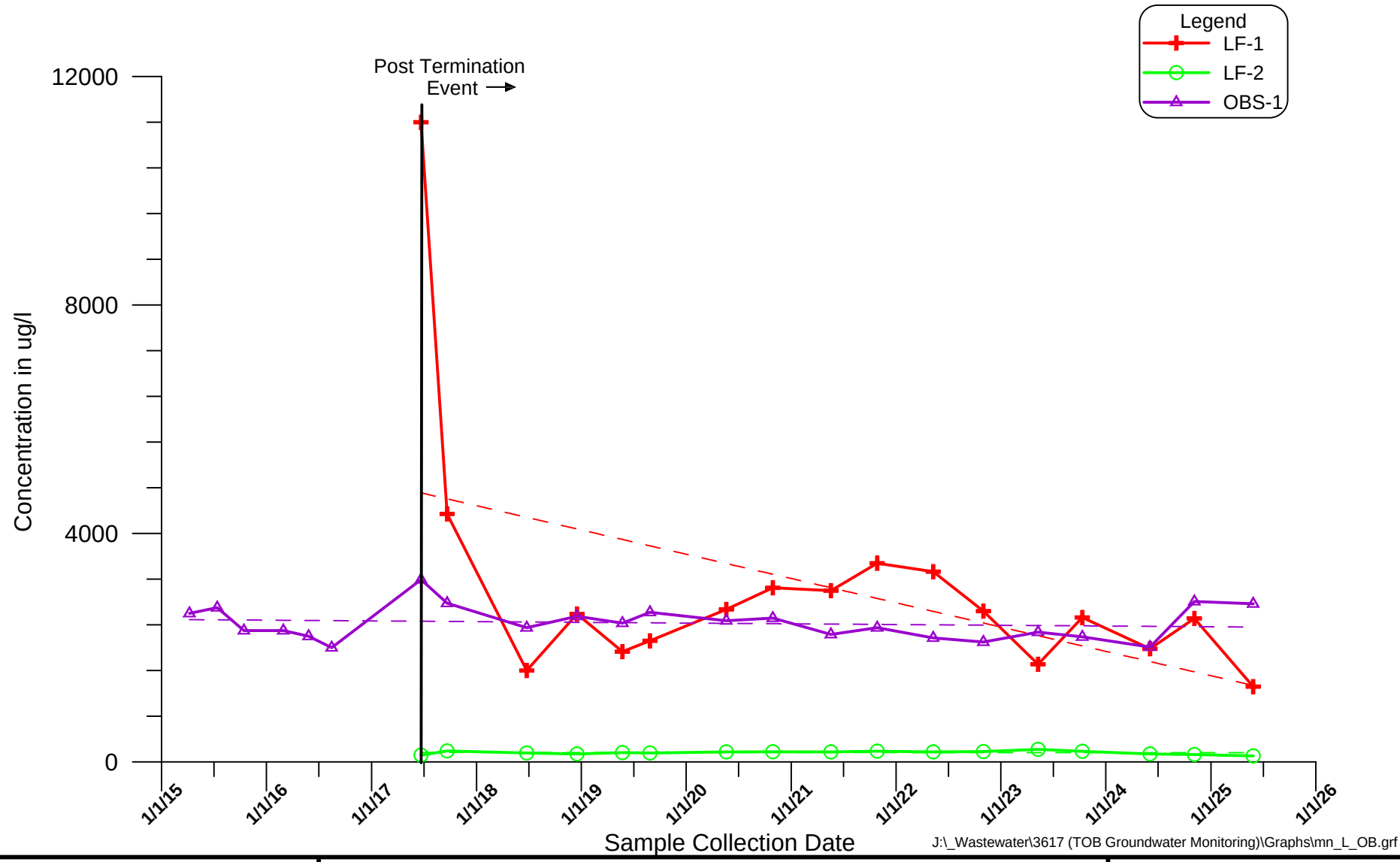
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Manganese
Data for Monitoring Well Cluster 6

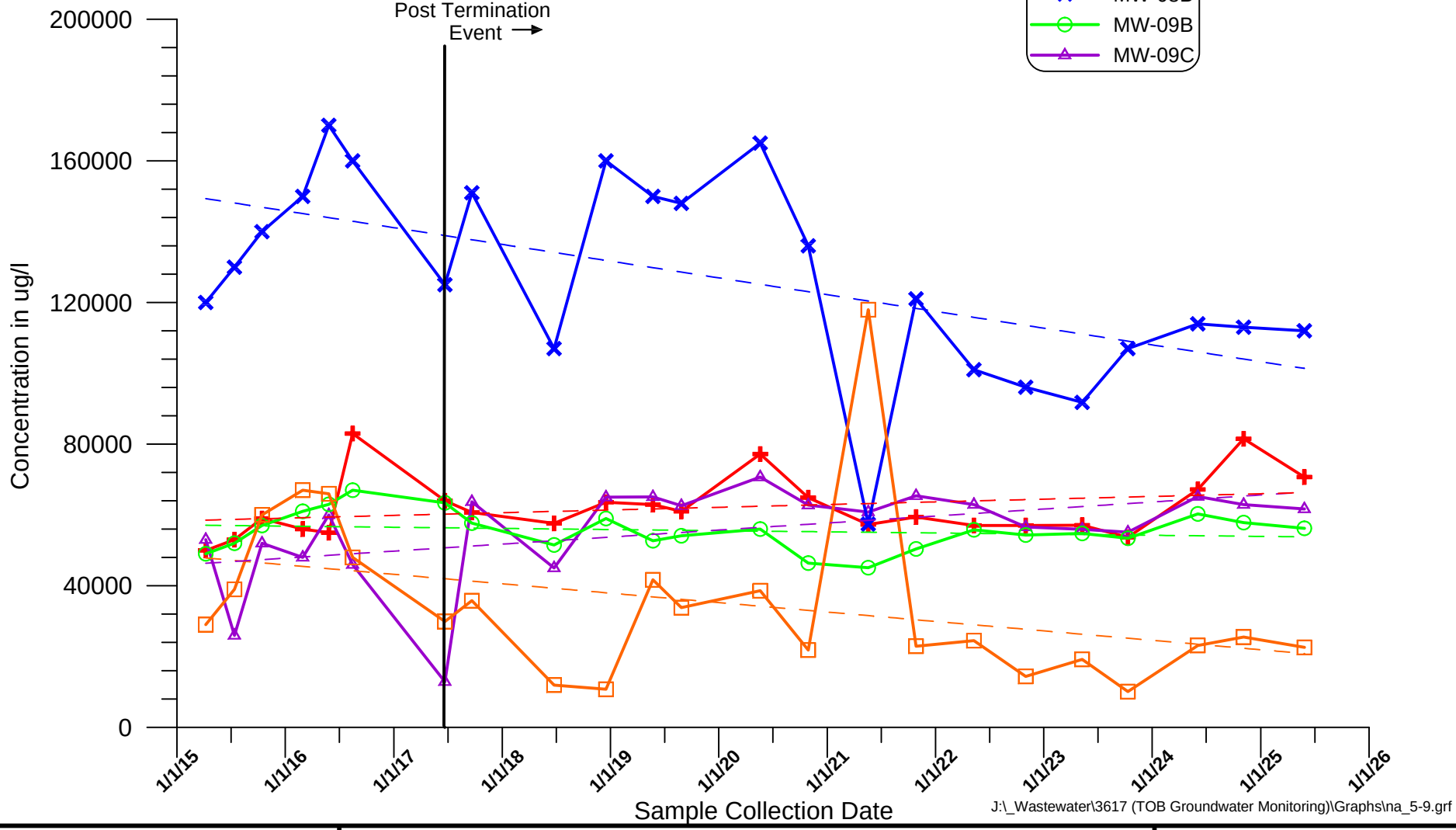
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Manganese
Data for Wells LF-1, LF-2 & OBS-1

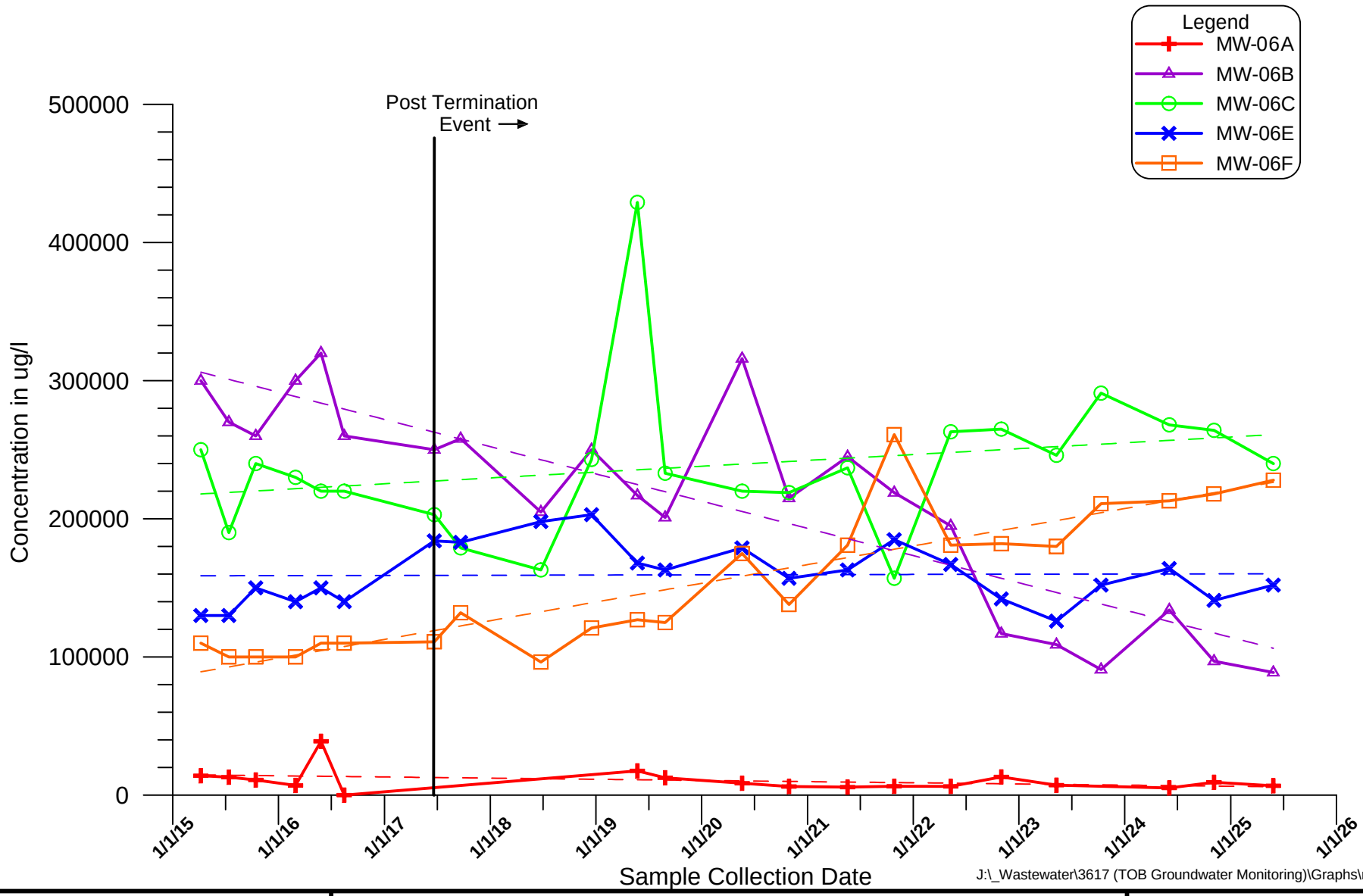
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Sodium
Data for Monitoring Wells 5, 8, & 9

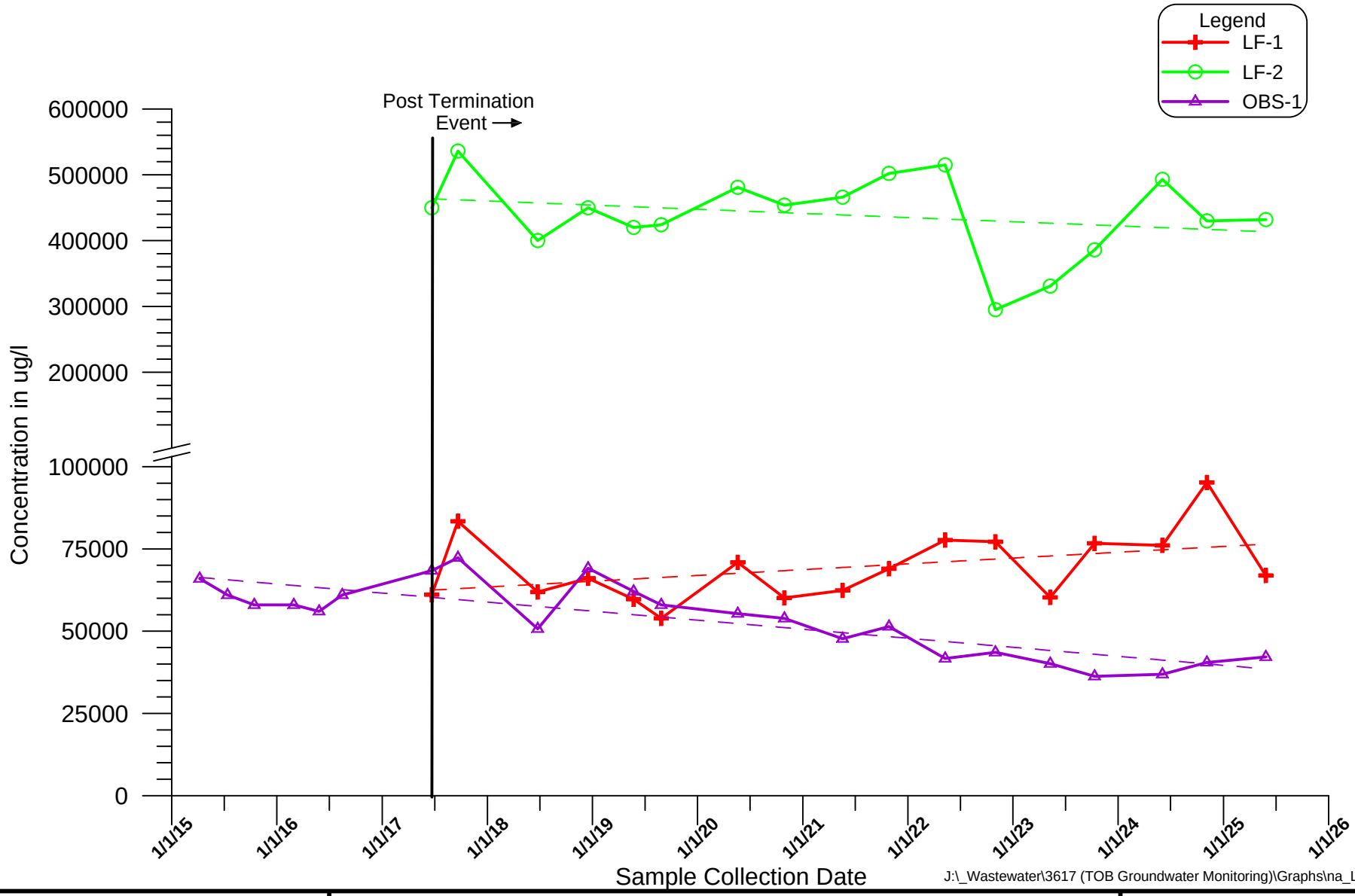
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Sodium
Data for Monitoring Well Cluster 6

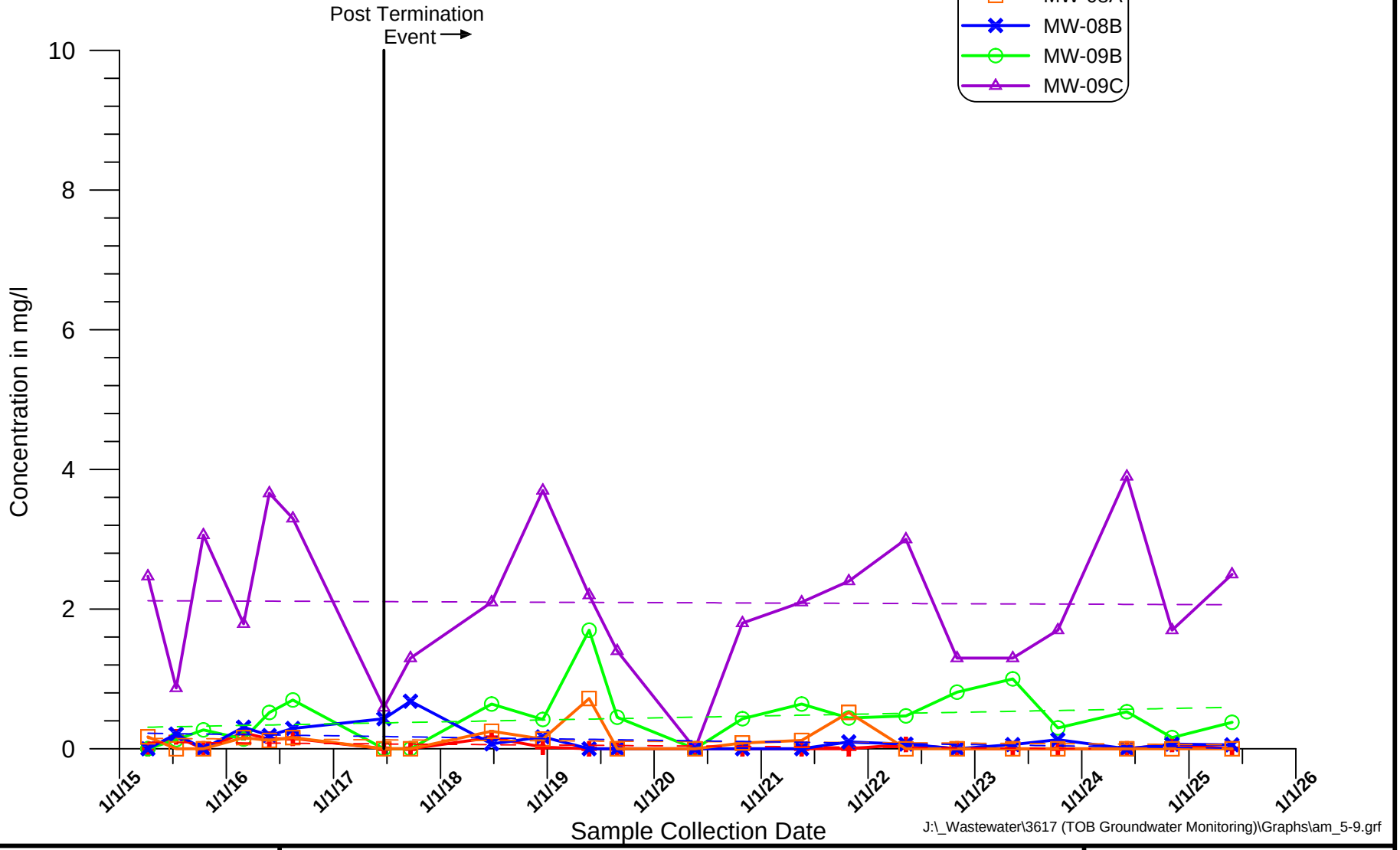
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Sodium
Data for Wells LF-1, LF-2 & OBS-1

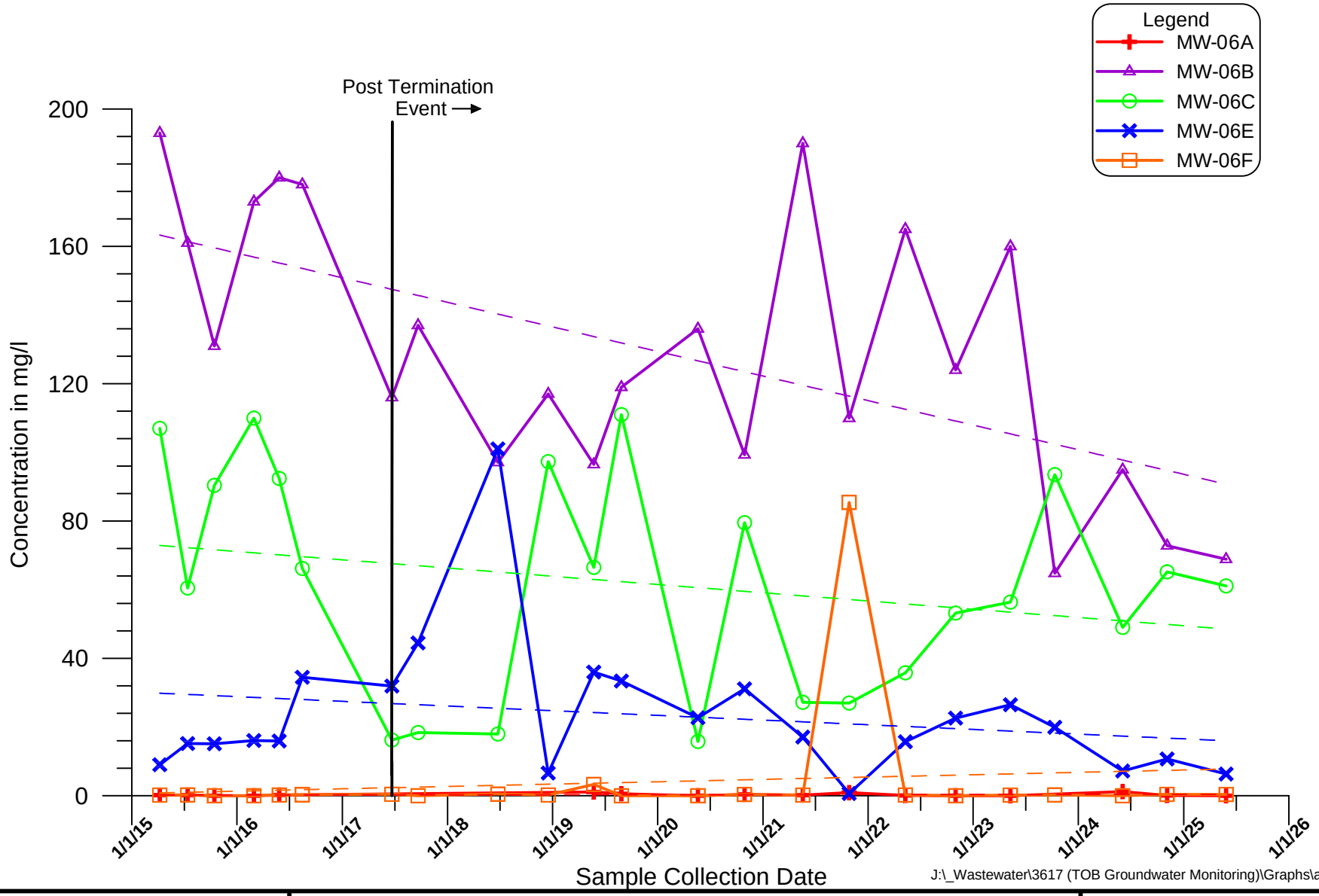
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Ammonia
Data for Monitoring Wells 5, 8, & 9

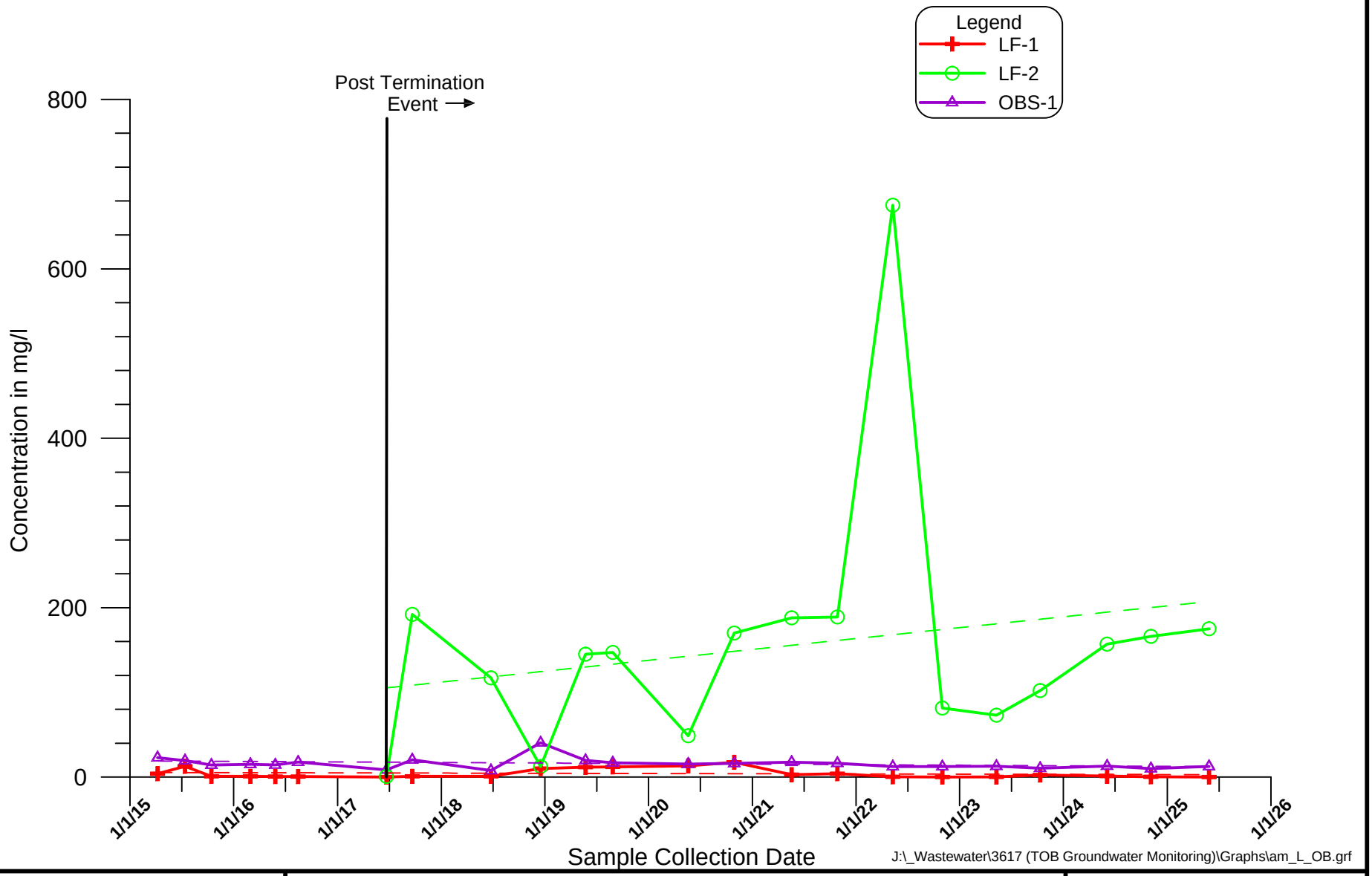
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Ammonia
Data for Monitoring Well Cluster 6

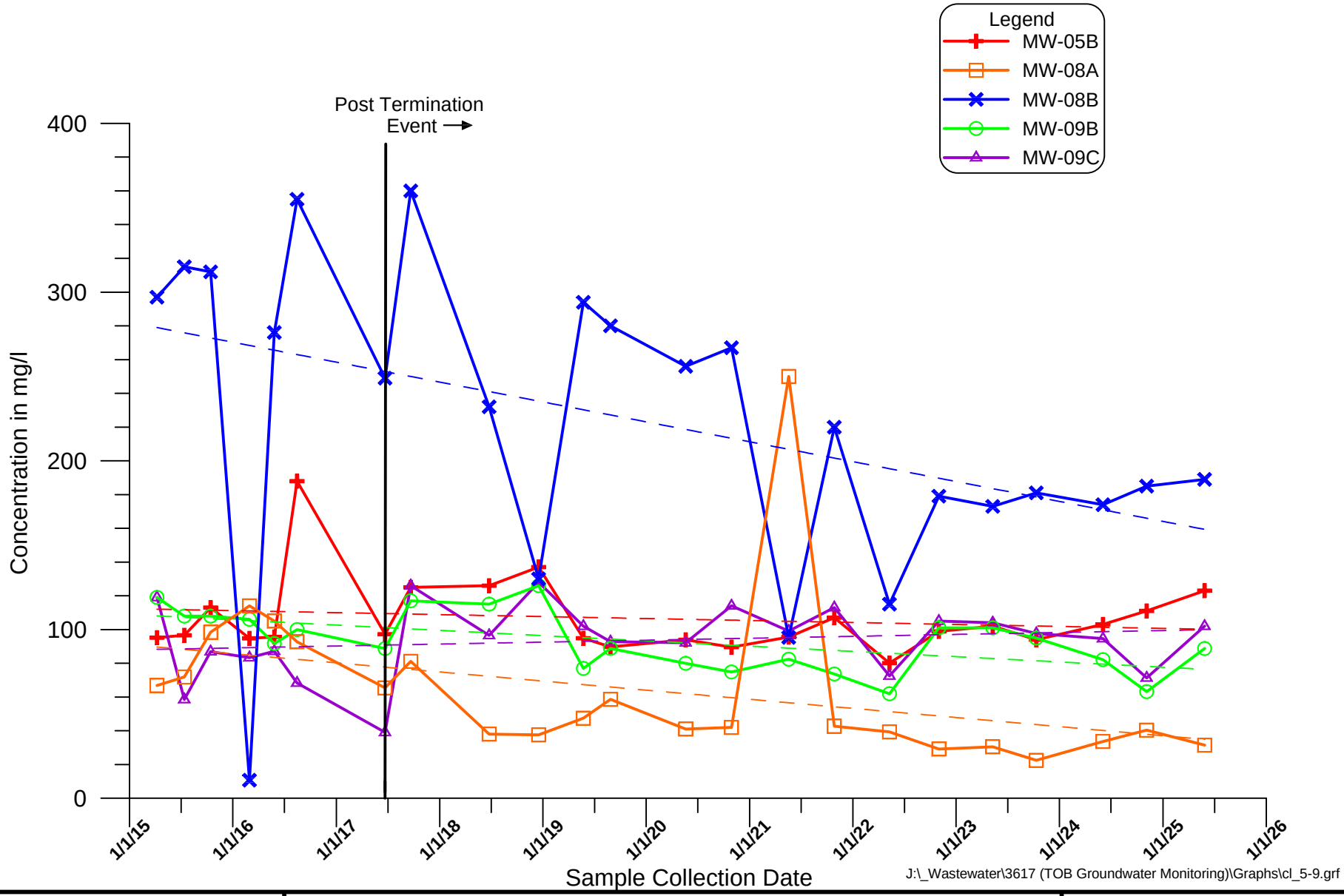
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Ammonia
Data for Wells LF-1, LF-2 & OBS-1

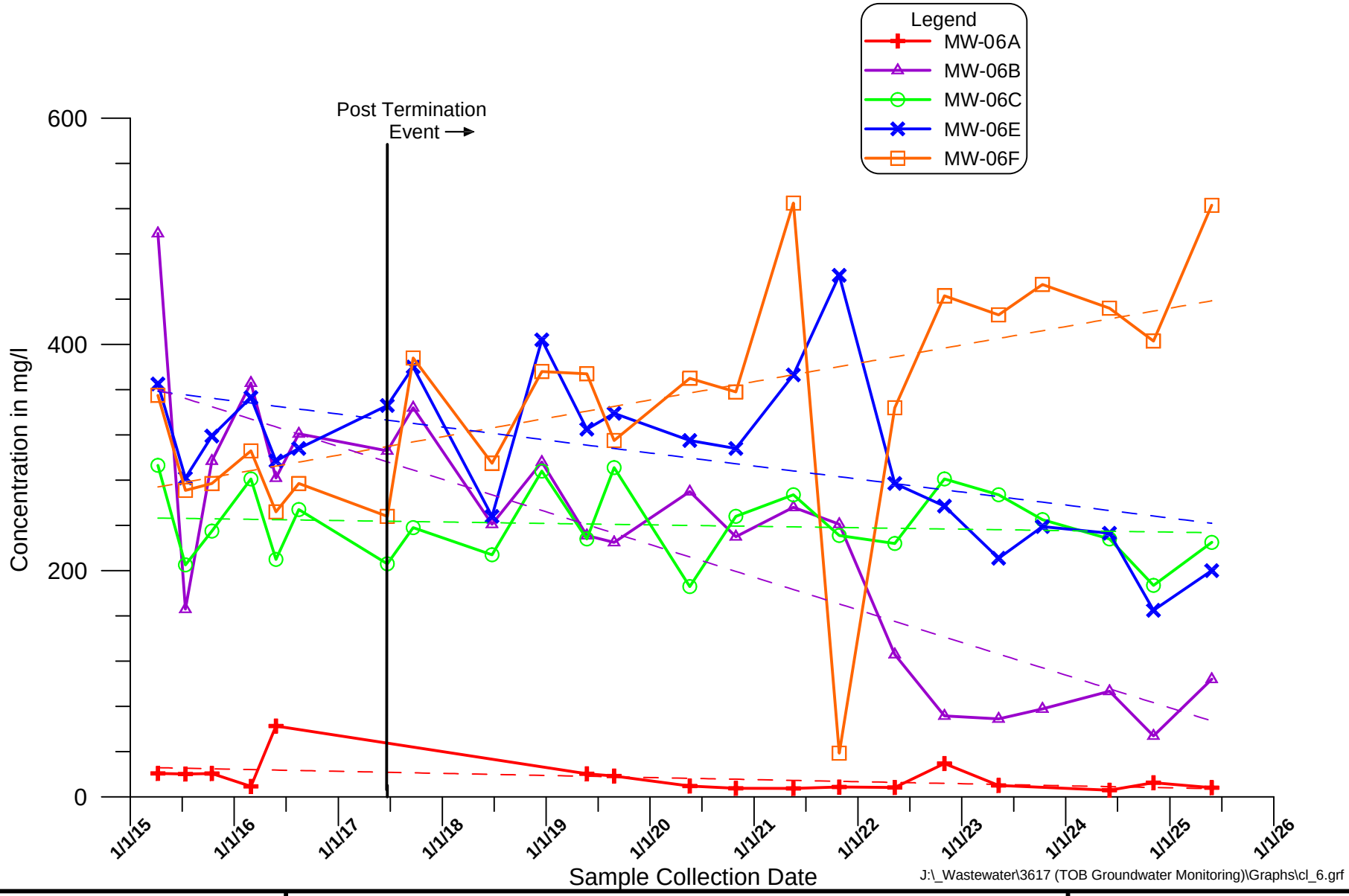
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Chloride
Data for Monitoring Wells 5, 8, & 9

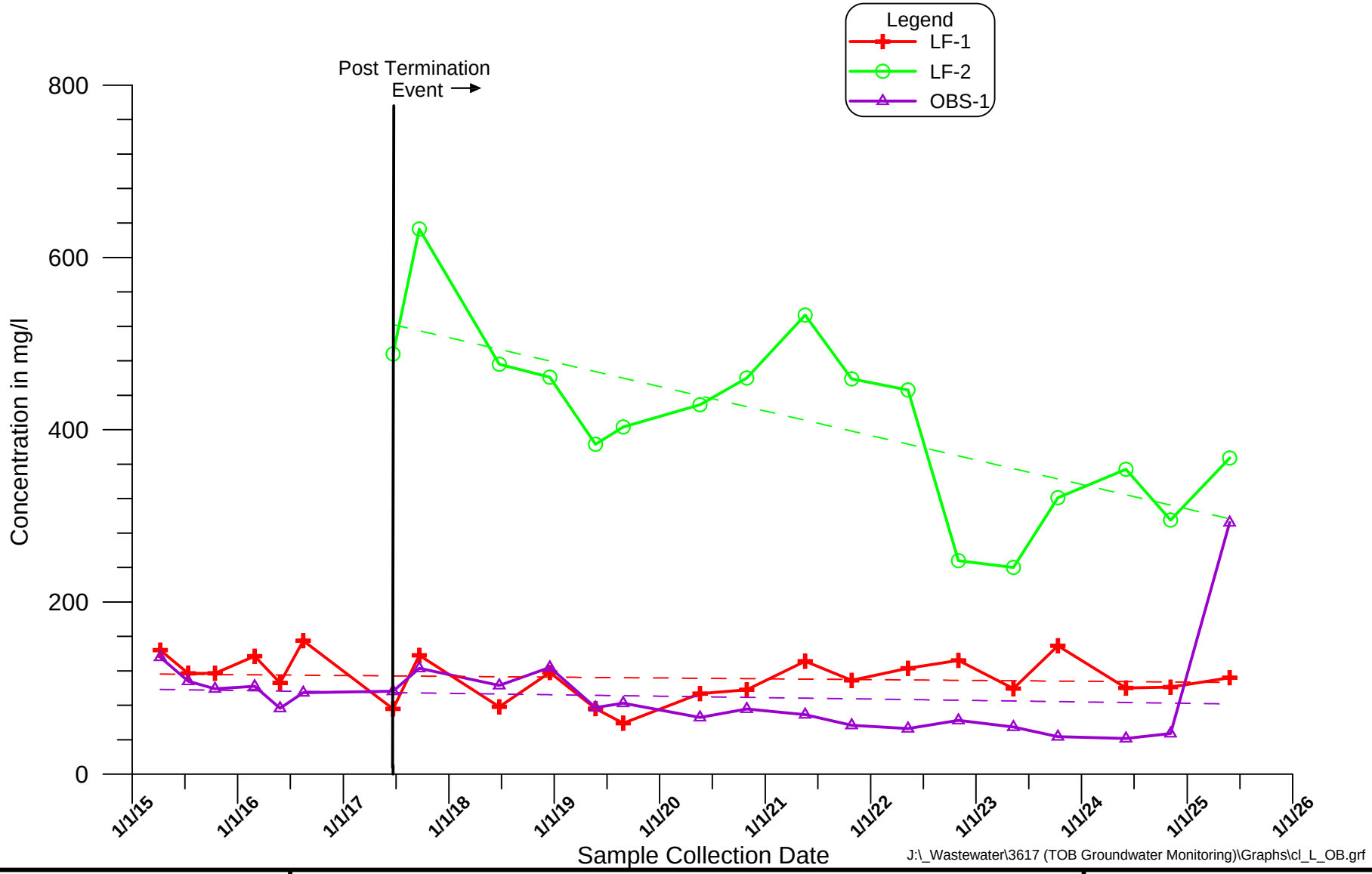
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Chloride
Data for Monitoring Well Cluster 6

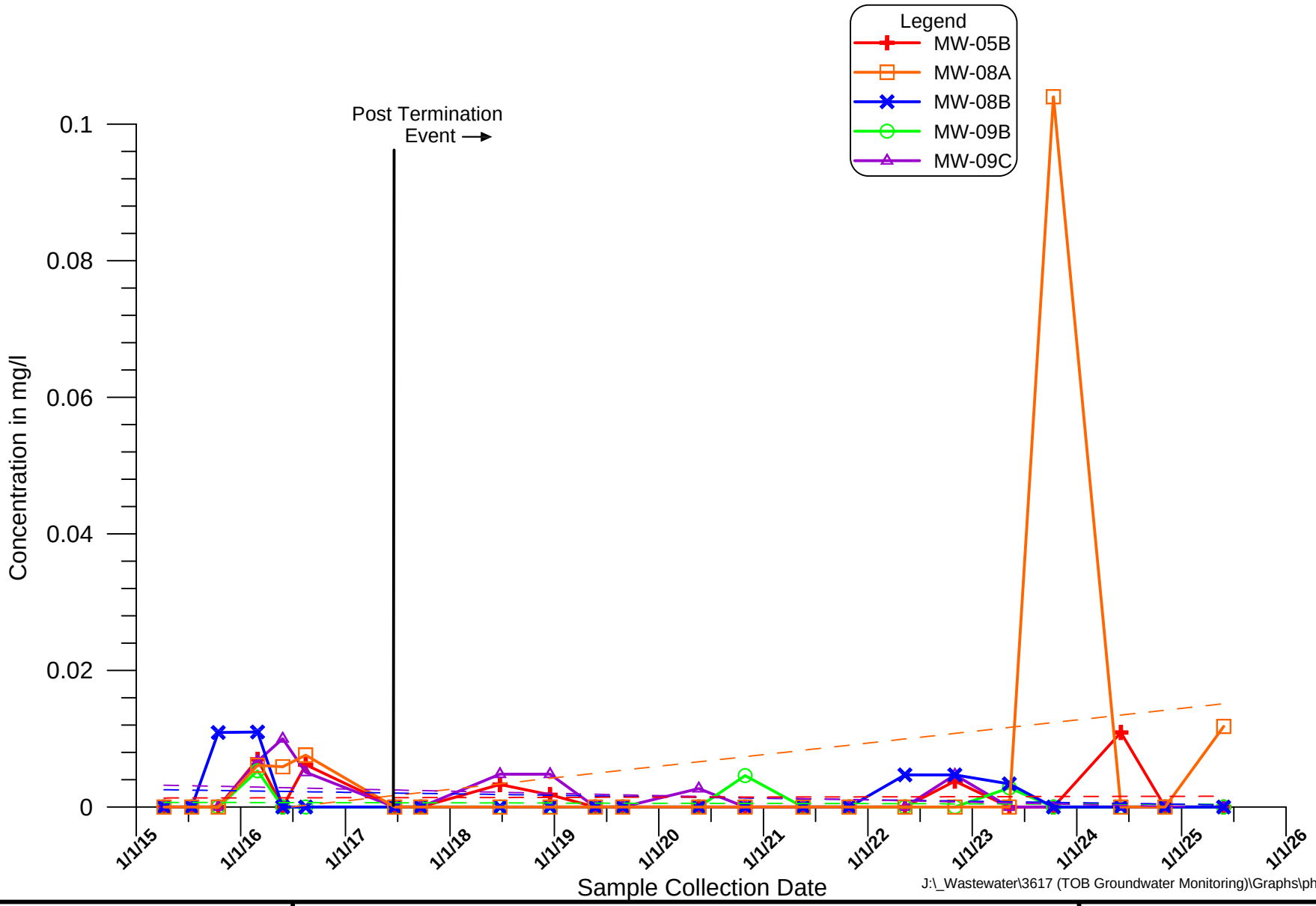
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Chloride
Data for Wells LF-1, LF-2 & OBS-1

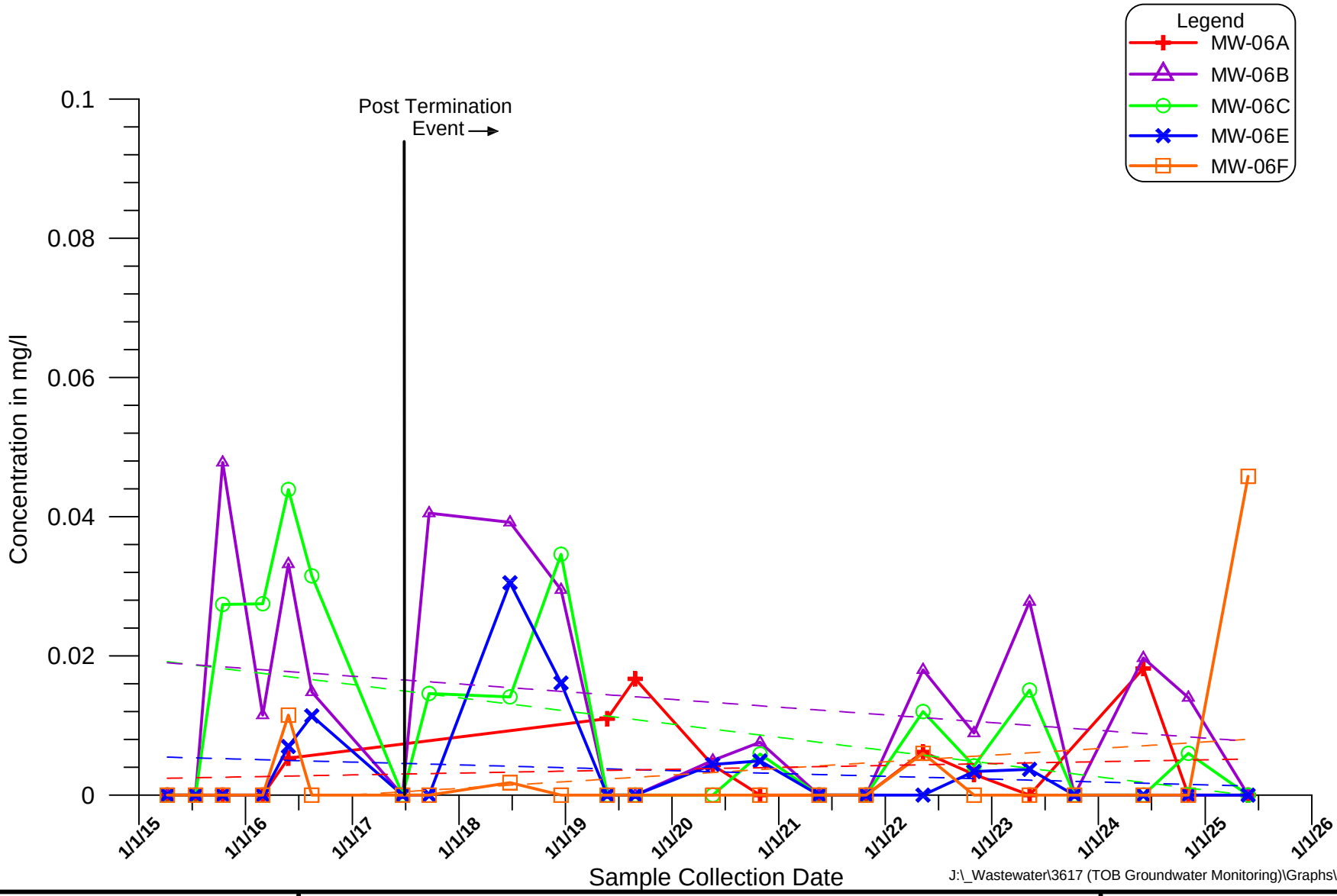
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Phenolics
Data for Monitoring Wells 5, 8, & 9

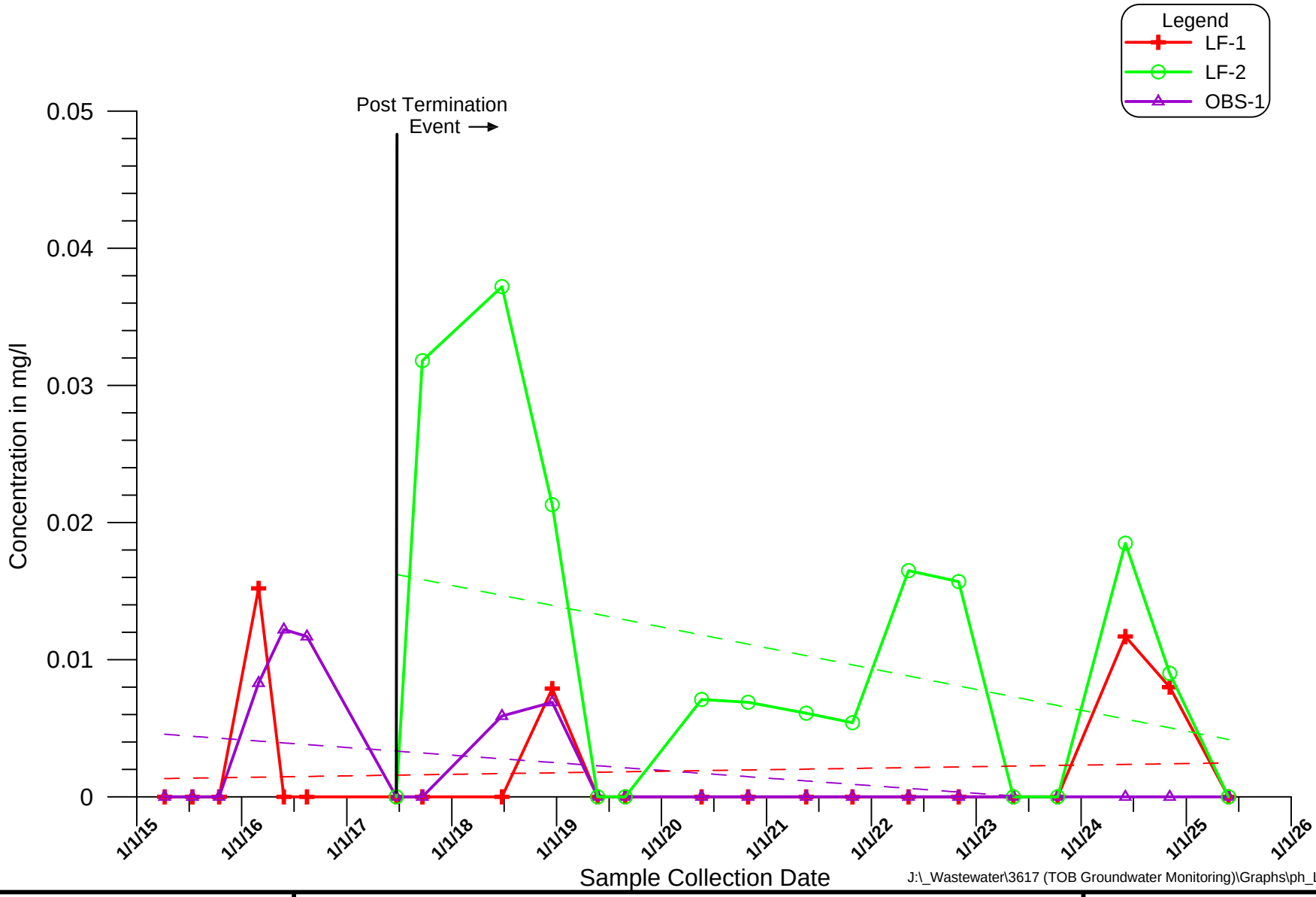
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Phenolics
Data for Monitoring Well Cluster 6

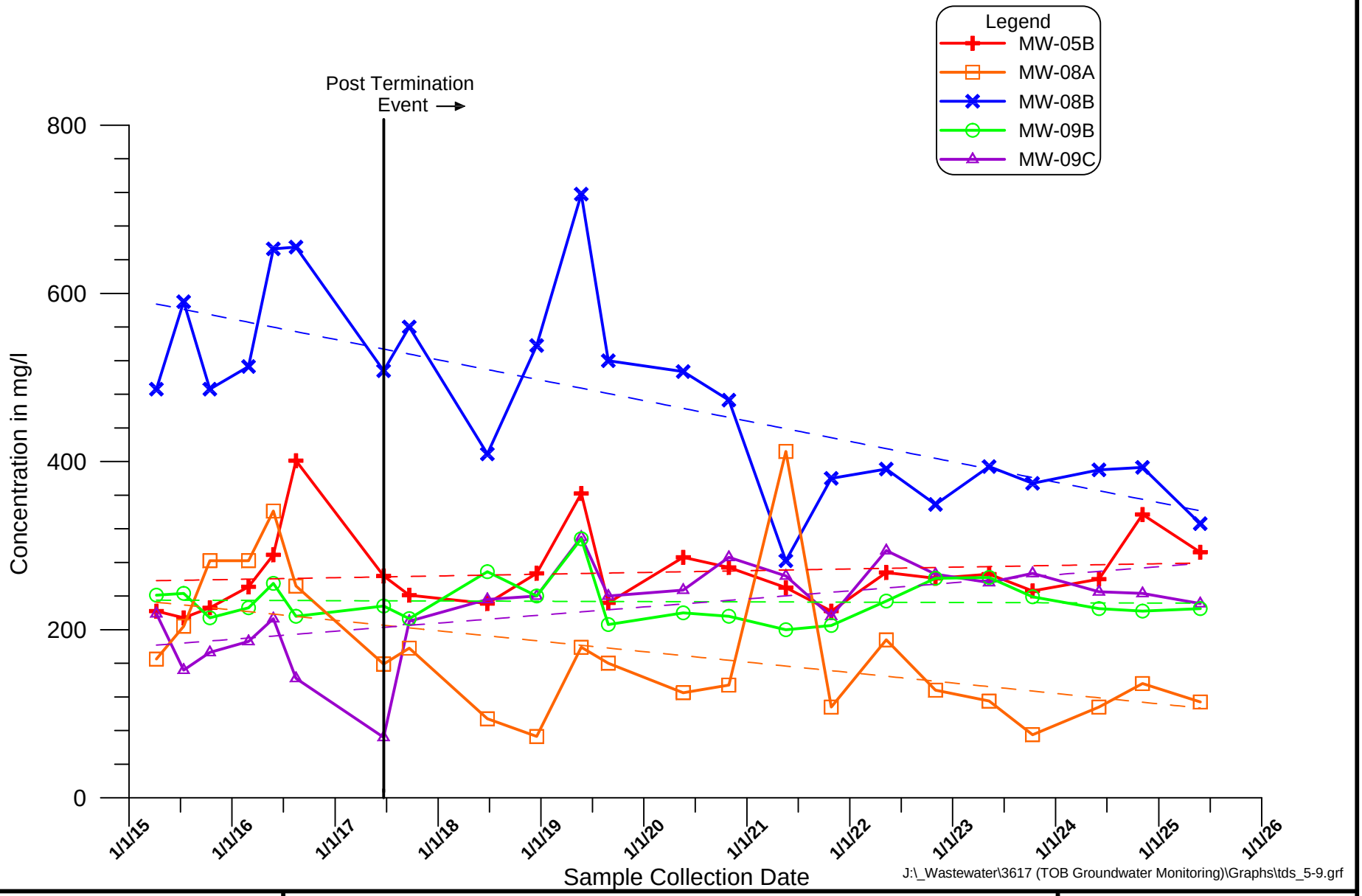
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Phenolics
Data for Wells LF-1, LF-2 & OBS-1

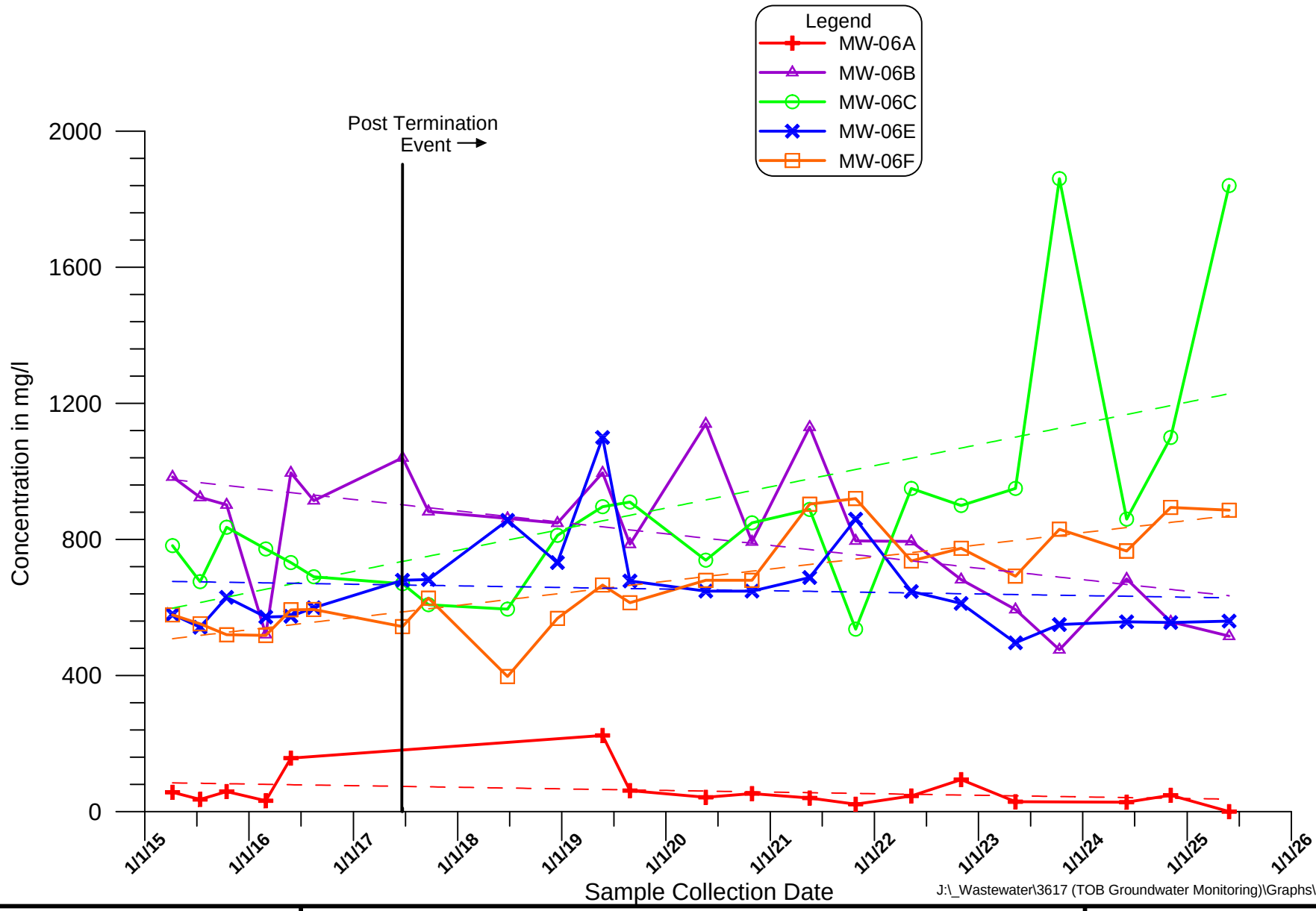
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Total Dissolved Solids
Data for Monitoring Wells 5, 8, & 9

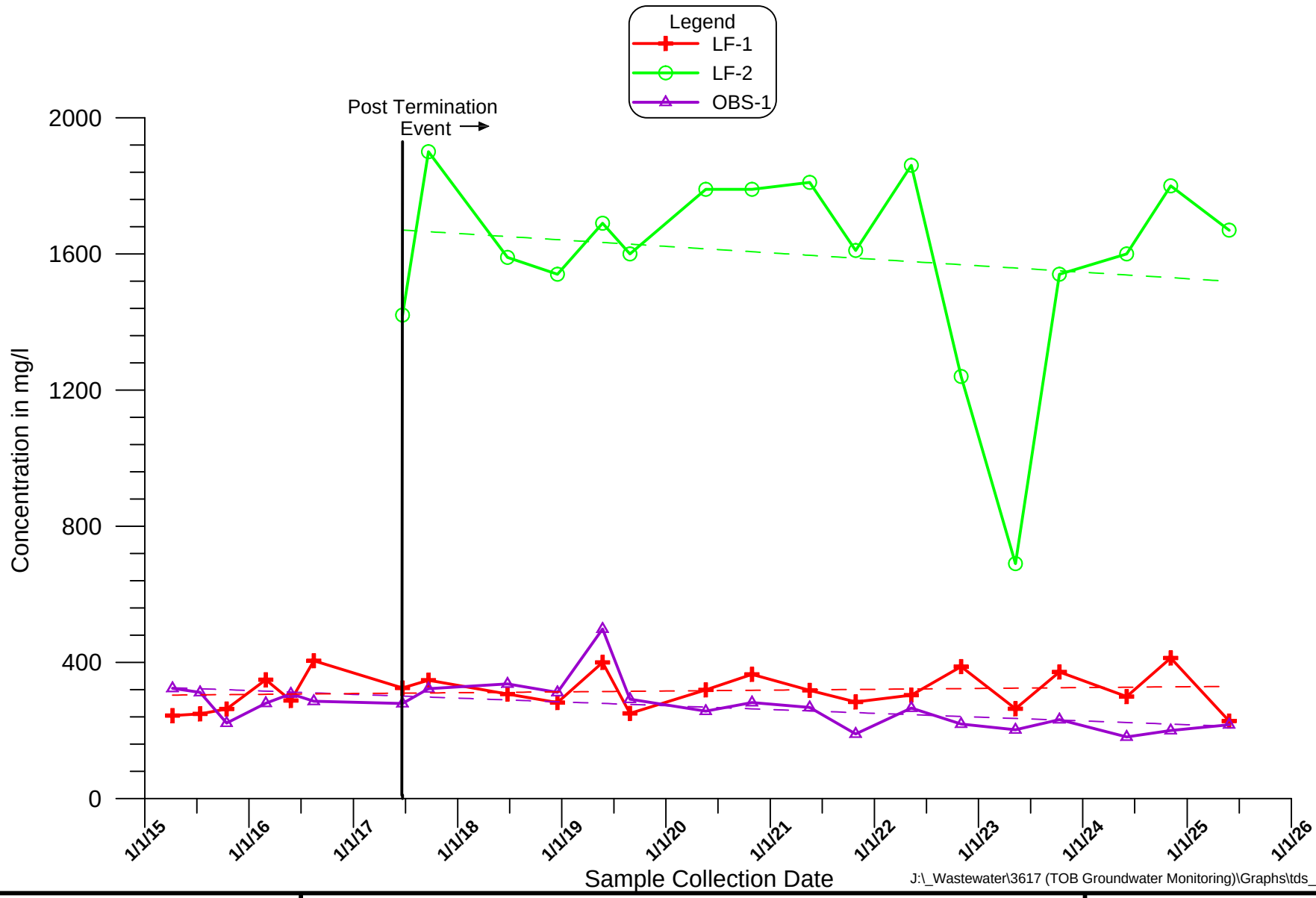
Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Total Dissolved Solids
Data for Monitoring Well Cluster 6

Figure
E



D&B ENGINEERS AND ARCHITECTS

Town of Oyster Bay
Old Bethpage Landfill
Historical Total Dissolved Solids
Data for Wells LF-1, LF-2 & OBS-1

Figure
E

APPENDIX F

PREVIOUSLY COLLECTED POST-TERMINATION GROUNDWATER MONITORING DATA

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 06/22/2017	LF-2 06/20/2017	MW-5B 06/20/2017	MW-6B 06/21/2017	MW-6C 06/21/2017	MW-6E 06/21/2017	MW-6F 06/21/2017	MW-8A 06/22/2017	MW-8B 06/22/2017	MW-9B 06/20/2017	MW-9C 06/20/2017	OBS-1 06/20/2017
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value												
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1.1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1.1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	1 U	1 U	0.71 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1.9 J	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1.1
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1 U	1 U	1.2 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***5.6***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total Volatile Compounds	--	ND	ND	ND	6.01	ND	1.3	ND	11.1	ND	ND	ND	1.1

Footnotes/Qualifiers:

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
-- No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

D&B Engineers and Architects, P.C.

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 06/22/2017 Total	LF-1 06/22/2017 Dissolved	LF-2 06/20/2017 Total	LF-2 06/20/2017 Dissolved	MW-5B 06/20/2017 Total	MW-5B 06/20/2017 Dissolved	MW-6B 06/21/2017 Total	MW-6B 06/21/2017 Dissolved	MW-6C 06/21/2017 Total	MW-6C 06/21/2017 Dissolved	MW-6E 06/21/2017 Total	MW-6E 06/21/2017 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	112 J	200 U	195 J	48.8 J	200 U	200 U	437	200 U	41.7 J	200 U	39.4 J	200 U
Barium	1000	368	8.9 J	56.9 J	42.9 J	55.3 J	31.6 J	59 J	37.6 J	43.7 J	21.9 J	196 J	151 J
Calcium	--	28900 J	24200	28800	21400	14600	12300	17300	13800	42400	34800	33800	27700
Chromium	50	10 U	10 U	7.6 J	2.9 J	4.7 J	10 U	4.9 UB	10 U	10 U	10 U	10 U	10 U
Copper	200	41.4 J	2.8 J	90.1	71.7	25 U	25 U	23.7 J	11.5 J	4.8 J	25 U	4.9 J	25 U
Iron	300	***57400***	100 U	***1080***	23 J	112	100 U	***21800***	53.1 J	***26600***	100 U	***29300***	***610***
Lead	25	5 U	5 U	***370***	***32***	4 UB	5 U	24.1	1.3 J	3.8 UB	5 U	2.9 UB	5 U
Magnesium	35000	17600	15000	11400	10000	6870	5900	13300	11100	10300	8670	15400	12900
Manganese	300	***11200***	11.3 UB	120 J	40.7	***5760 J***	***5220***	153 J	48	134 J	77.2	***665 J***	***513***
Mercury	0.7	0.087 UB	0.067 UB	0.1 UB	0.2 U	0.097 UB	0.10 UB	0.038 UB	0.067 UB	0.047 UB	0.066 UB	0.18 UB	0.066 UB
Nickel	100	8.2 J	2.1 J	12.7 J	9.7 J	4.3 J	3.1 J	17.6 J	13.2 J	7.6 UB	6.3 J	15.3 J	10 J
Potassium	--	9820	7540	148000	122000	12600	10200	88800	74200	26100	22400	33800	29000
Sodium	20000	***61100***	***54500***	***450000***	***404000***	***64000***	***54900***	***250000***	***214000***	***203000***	***176000***	***184000***	***157000***
Zinc	2000	509	7.9 UB	147	53.9	7 UB	5.7 UB	43.1	17.1 J	29.1	11 J	50.1	11.1 J

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID	MW-6F	MW-6F	MW-8A	MW-8A	MW-8B	MW-8B	MW-9B	MW-9B	MW-9C	MW-9C	OBS-1	OBS-1
	Sample Date	06/21/2017	06/21/2017	06/22/2017	06/22/2017	06/22/2017	06/22/2017	06/20/2017	06/20/2017	06/20/2017	06/20/2017	06/20/2017	06/20/2017
	Type:	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	90.3 J	38.4 J	91 J	14 J	100 J	200 U	51 J	200 U	19.2 J	200 U	29.5 J	200 U
Barium	1000	201	172 J	69.5 J	62.2 J	109 J	92 J	94.4 J	88.2 J	36.2 J	30.9 J	91.1 J	73 J
Calcium	--	33700	27700	5940 J	5180	30200 J	27600	16500	13900	3760	3650	16900	16800
Chromium	50	3.3 UB	10 U	4.4 J	10 U	10.4	10 U	3.5 J	10 U	3.6 J	10 U	1.7 J	10 U
Copper	200	6.6 J	7.8 J	85.5 J	89.4	4.8 J	25 U	10.6 J	25 U	12.4 J	4.2 J	2.8 J	3.9 J
Iron	300	***756***	32.9 J	***328***	100 U	***352***	100 U	***752***	100 U	***875***	100 U	***1390***	100 U
Lead	25	7.1 UB	3 J	3.8 UB	4 J	7.7 UB	5 U	6.6 UB	5 U	8.1 UB	5 U	5.6 UB	5 U
Magnesium	35000	12400	10500	5850	5040	7770	6810	6100	5390	1900	2430	12000	12100
Manganese	300	141 J	120	162	155	***647***	***540***	***2510 J***	***3090***	77.8 J	60.8	***3190 J***	***2950***
Mercury	0.7	0.14 UB	0.2 U	0.07 UB	0.07 UB	0.094 UB	0.063 UB	0.1 UB	0.1 UB	0.098 UB	0.098 UB	0.14 UB	0.11 UB
Nickel	100	39.7 J	35.5 J	5.7 J	5.6 J	11.1 J	7.5 J	3.7 J	1.8 J	3 J	1.7 J	3.4 J	3.5 J
Potassium	--	7510	6450	14700	13400	9900	8770	8990	7100	2950 J	3080 J	18100	16700
Sodium	20000	***111000***	***91600***	***29900***	***24100***	***125000***	***113000***	***63400***	***52600***	12900	15800	***68400***	***63200***
Zinc	2000	1600	1400	302	386	32	25.1	17.8 J	5.6 UB	15.2 J	9.8 UB	33.4	9 UB

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Units in mg/l	Sample ID Sample Date	LF-1 06/22/2017	LF-2 06/20/2017	MW-5B 06/20/2017	MW-6B 06/21/2017	MW-6C 06/21/2017	MW-6E 06/21/2017	MW-6F 06/21/2017	MW-8A 06/22/2017	MW-8B 06/22/2017	MW-9B 06/20/2017	MW-9C 06/20/2017	OBS-1 06/20/2017
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value												
Alkalinity, Total	---	112 J	466 J	30 J	905 J	331 J	177 J	3.6 J	7.2 J	45 J	34.4 J	12 J	144 J
Alkalinity,Bicarbonate	---	112	466 J	30 J	905 J	331 J	177 J	3.6 J	7.2	45	34.4 J	12 J	144 J
Alkalinity,Carbonate	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloride	250	75.8	***488***	97.2	***306***	206	***346***	248	65.4	249	88.7	39	96.3
Cyanide	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hardness	---	190	120	70	120	176	152	180	40	104	72	19	100
Hexavalent Chromium	0.05	0.02 U	0.02 U	0.02 U	0.0064 J	0.023 J	0.014 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nitrogen, Ammonia	2	0.026 UB	0.68 J	0.03 UB	***116***	***16.2***	***31.9***	0.42	0.021 UB	0.43	0.19 UB	0.59 J	***8.4 J***
Nitrogen, Kjeldahl, Total	---	0.65 J	3.2	0.1 U	114 J	12.4 J	30.2 J	0.1 UJ	0.1 UJ	0.65 J	0.35	0.9	9.1
Nitrate	10	5.5	5.6	5.6	0.091 J	0.034 J	1.7 J	3.3 J	4.5	0.63	4	0.75	0.19
Nitrite	1	0.05 U	0.045 J	0.068	0.05 U	0.05 U	0.05 U	0.022 UB	0.012 J	0.05 U	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.0011 UB	0.0021 UB	0.0016 UB	0.017 UB	0.0135 UB	0.0049 UB	0.0034 UB	0.0011 UB	0.0029 UB	0.0025 UB	0.003 UB	0.0094 UB
Sulfate	250	45.4	40.8	18.8	1 J	42.4	20.9	0.48 J	37.9	35.3	19.9	10.6	27.8
Total Dissolved Solids	---	325	1420	264	1040	670	680	544	159	508	228	72	279

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 09/21/17	LF-2 09/21/17	MW-5B 09/21/17	MW-6B 09/22/17	MW-6C 09/22/17	MW-6E 09/22/17	MW-6F 09/22/17	MW-8A 09/22/17	MW-8B 09/22/17	MW-9B 09/21/17	MW-9C 09/21/17	OBS-1 09/21/17
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value												
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1.3	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dichloropropane	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	***3.3***	1 U	***3.8***	1 U	1.0	1 U	1 U	1 U	1 U	1 U	1.2
Benzene	1	1 U	***3.4***	1 U	***1.9***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	2.7	1 U	***7.7***	1 U	3.2	1 U	1 U	1 U	1 U	1 U	1.8
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***6.4***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	***9.7***	1 U	***6.0***	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***5.5***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1.3	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	2 U	3.8	2 U	1.1 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total Volatile Compounds	--	ND	24.2	ND	21.6	ND	5.6	ND	14.7	ND	ND	1.3	3

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value or limit
--	No standard
ND	Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 09/21/17 Total	LF-1 09/21/17 Dissolved	LF-2 09/21/17 Total	LF-2 09/21/17 Dissolved	MW-5B 09/21/17 Total	MW-5B 09/21/17 Dissolved	MW-6B 09/22/17 Total	MW-6B 09/22/17 Dissolved	MW-6C 09/22/17 Total	MW-6C 09/22/17 Dissolved	MW-6E 09/22/17 Total	MW-6E 09/22/17 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	200 U	15.6 UB	38.5 J	200 U	16.4 J	200 U	159 J	14.2 UB	200 U	200 U	200 U	200 U
Barium	1000	83 J	72.8 J	56 J	55.7 J	40.2 J	36.6 J	55 J	51.2 J	24.6 J	23 J	208	192 J
Calcium	--	19000	17200	35700	34400	14000	12400	18200	17000	36600	34200	35900	33300
Chromium	50	10 U	10 U	12.2	13.5	10 U	10 U	3.6 J	2.2 J	10 U	10 U	10 U	10 U
Copper	200	25 U	3.3 J	25 U	25 U	25 U	25 U	2.8 J	25 U	25 U	25 U	25 U	4.4 J
Iron	300	***22400***	***19500***	***8220***	***7840***	200 U	20 U	***12300***	***9140***	***3970***	***3580***	***21000***	***19100***
Lead	25	2.3 J	5 U	2.1 J	5 U	1.8 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	16500	14800	24500	22900	6740	5980	12600	11900	8790	8420	16800	15900
Manganese	300	***4340***	***4260***	193	184	***5030***	***5270***	68.5	37.3	93.4	83.3	***706***	***640***
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	3.8 J	2.7 UB	20.8 J	19.6 J	2.2 J	2.5 UB	17.7 J	13.7 J	6.4 J	5.5 UB	15 J	12.2 J
Potassium	--	9790	10000	160000	162000	11200	11000	90200	91200	23400	24200	36300	36300
Sodium	20000	***83400***	***86400***	***536000***	***535000***	***60700***	***63200***	***258000***	***274000***	***179000***	***189000***	***183000***	***190000***
Zinc	2000	8.1 UB	3.1 UB	7.4 UB	2.3 UB	3.4 UB	1.7 UB	6.4 UB	1.6 UB	4.2 UB	20 UB	21.5 UB	16.7 UB

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	MW-6F 09/22/17 Total	MW-6F 09/22/17 Dissolved	MW-8A 09/22/17 Total	MW-8A 09/22/17 Dissolved	MW-8B 09/22/17 Total	MW-8B 09/22/17 Dissolved	MW-9B 09/21/17 Total	MW-9B 09/21/17 Dissolved	MW-9C 09/21/17 Total	MW-9C 09/21/17 Dissolved	OBS-1 09/21/17 Total	OBS-1 09/21/17 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	166 J	162 UB	55.5 J	46.5 UB	26.2 J	32.3 UB	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	223	205	82.3 J	78.1 J	156 J	143 J	99 J	95.6 J	52.2 J	48.5 J	64.6 J	60.5 J
Calcium	--	37100	34500	9430	10300	24000	22300	15400	14400	7830	7100	24000	21700
Chromium	50	10 U	10 U	2.2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	2.5 J	25 U	24.5 J	19.1 J	3.1 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300	63.2 UB	49.7 UB	64 UB	19.5 UB	19.6 UB	32.1 UB	200 U	20 U	20.5 UB	20 U	53.5 UB	51.9 UB
Lead	25	5 U	2.3 J	3.6 J	3.5 J	5 U	5 U	1.5 J	5 U	1.8 J	5 U	2 J	5 U
Magnesium	35000	14600	13800	6960	6950	8300	7850	6370	5840	9760	8800	16300	14700
Manganese	300	116	107	143	128	***1110***	***1000***	***3380***	***3480***	187	169	***2780***	***2680***
Mercury	0.7	0.11 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.092 J	0.07 J
Nickel	100	22.2 J	20.7 J	6.7 J	5.9 UB	21.5 J	20 J	40 U	1 UB	1.4 J	2 UB	3.4 J	3.4 UB
Potassium	--	7750	7870	12700	13200	10300	10600	8550	8800	10600	10400	24800	24400
Sodium	20000	***132000***	***139000***	***35800***	***39000***	***151000***	***162000***	***57700***	***59500***	***63700***	***63300***	***72300***	***72400***
Zinc	2000	47.4 UB	43.3 UB	114 UB	107 UB	63.2 UB	58 UB	2.6 UB	20 U	3.1 UB	1.3 UB	2.9 UB	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Units in mg/l	Sample ID Sample Date	LF-1 09/21/17	LF-2 09/21/17	MW-5B 09/21/17	MW-6B 09/22/17	MW-6C 09/22/17	MW-6E 09/22/17	MW-6F 09/22/17	MW-8A 09/22/17	MW-8B 09/22/17	MW-9B 09/21/17	MW-9C 09/21/17	OBS-1 09/21/17
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value												
Alkalinity, Total	---	124	1590	34.2	957	272	328	1 U	13.2	8.4	34.6	44	196
Alkalinity,Bicarbonate	---	124 J	--	34.2 J	--	272 J	328 J	--	13.2 J	8.4 J	34.6 J	44 J	196 J
Alkalinity,Carbonate	---	1 U	--	1 U	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Chloride	250	138	***633***	125	***344***	238	***380***	***388***	81.1	***360***	117	126	123
Cyanide	0.2	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U
Hardness	---	100	147	60	88	112	144	120	46	84	60	48	108
Hexavalent Chromium	0.05	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nitrogen, Ammonia	2	0.83	***192***	0.22 UB	***137 J***	***18.4***	***44.5***	0.14 UB	0.018 UBJ	0.68 J	0.23 UB	1.3	***20.4***
Nitrogen, Kjeldahl, Total	---	1.7 J	192 J	1.2 J	146	16.1	41.2	0.1 U	0.17	2.4	0.1 U	1.4 J	18.9 J
Nitrate	10	0.037 UB	0.05 U	5.9	0.05 U	0.05 U	1.7 UB	4.1	3.3	1.8 UB	5.1	0.57 UB	0.24 UB
Nitrite	1	0.017 J	0.05 U	0.056	0.05 U	0.05 UJ	0.0096 J	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.0038 UB	***0.0318***	0.005 U	***0.0405***	***0.0146***	0.0065 UB	0.0016 UB	0.0011 UBJ	0.0034 UB	0.005 U	0.0016 UB	0.0087 UB
Sulfate	250	44.3	0.42 UB	23.9	0.61 UB	42.8	18.6	0.39 UB	33	27.3	21.6	21.7	45.2
Total Dissolved Solids	---	348	1900	241	882	608	682	628	178	560	213	210	323

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

Note that well MW-06A was dry and could not be sampled

Table 1. Summary of Second Quarter 2018 Field Parameter Results and Comparison to Standards

PARAMETER	UNITS	CLASS GA STANDARD	WELL NUMBER AND FIELD PARAMETER RESULTS					
			5B	6B	6C	6E	6F	8A
Temperature	°C	No Std.	15.6	17.4	17.8	17.8	16.7	14.6
pH	Units	6.5-8.5	**6.10**	7.14	6.84	6.99	**4.76**	**4.38**
Dissolved Oxygen	mg/L	No Std.	0.56	0.47	0.49	0.27	0.34	8.04
Conductivity	mS/cm	No Std.	0.544	2.390	1.280	2.490	0.900	0.185
Eh	pHmV	No Std.	34.5	-23.5	-7.5	-15.5	111	130
ORP	mV	No. Std.	128	-164	-37.5	-159	162	228
Turbidity	NTU	<5	1	**159**	**16**	**30**	2	0
Floaters or Sinkers	N/A	No Std.	None	None	None	None	None	None
Field Observations	N/A	No Std.	Clear, No Odor	Cloudy, Lt. Orange, Strong Odor	Slty. Cloudy, Moderate Odor	Slty. Cloudy, Foam, Strong Odor	Clear, No Odor	Clear, No Odor

PARAMETER	UNITS	CLASS GA STANDARD	WELL NUMBER AND FIELD PARAMETER RESULTS					
			8B	9B	9C	OBS-1	LF-1	LF-2
Temperature	°C	No Std.	14.3	14.5	14.8	15.9	17.5	18.1
pH	Units	6.5-8.5	**5.76**	**5.92**	**5.72**	**5.78**	6.70	7.27
Dissolved Oxygen	mg/L	No Std.	1.80	0.38	2.79	0.50	2.60	0.25
Conductivity	mS/cm	No Std.	0.880	0.491	0.370	0.519	0.610	3.530
Eh	pHmV	No Std.	52.2	44.2	55.3	52.4	0.90	-31.4
ORP	mV	No Std.	213	131	127	153	-71.6	-176
Turbidity	NTU	<5	1	1	3	1	4	0
Floaters or Sinkers	N/A	No Std.	None	None	None	None	None	None
Field Observations	N/A	No Std.	Clear, No Odor	Clear, No Odor	Clear, No Odor	Clear, No Odor	Clear, Odor	Foam, Strong Odor

Notes: Class GA Standards are the groundwater standards listed in 6NYCRR Part 703.5.
Bold values exceed Class GA standard.
°C = degrees Celsius.
mg/L = milligrams per Liter.
mS/cm = milliSiemens per centimeter.
pHmV = pH in milliVolts.
ORP = Oxidation-Reduction Potential
mV = milliVolts.
NTU = Nephelometric turbidity units.
N/A = Not applicable.

Table 2. Summary of Second Quarter 2018 VOC Results and Comparison to Standards

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND VOC RESULTS					
		MW-5B	MW-6B	MW-6C	MW-6E	MW-6F	MW-8A
Aromatic Hydrocarbons:							
Benzene	1	<1.0	**2.0**	<1.0	**3.1**	<1.0	<1.0
Chlorobenzene	5	<1.0	**6.0**	<1.0	**9.4**	<1.0	<1.0
1,2-Dichlorobenzene	3	<1.0	1.2	<1.0	1.1	<1.0	<1.0
1,4-Dichlorobenzene	3	<1.0	**3.2**	<1.0	**3.9**	<1.0	<1.0
Isopropylbenzene	5	<1.0	3.1	<1.0	2.9	<1.0	<1.0
Chlorinated Solvents:							
cis-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	2.1
Tetrachloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	**8.6**
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	1.1

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND VOC RESULTS					
		MW-8B	MW-9B	MW-9C	OBS-1	LF-1	LF-2
Aromatic Hydrocarbons:							
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**
Chlorobenzene	5	<1.0	<1.0	<1.0	1.8	<1.0	2.0
1,2-Dichlorobenzene	3	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
1,4-Dichlorobenzene	3	<1.0	<1.0	<1.0	1.2	<1.0	2.4
Isopropylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	3.8
Chlorinated Solvents:							
cis-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	5	1.2	<1.0	2.8	<1.0	<1.0	<1.0

Notes: Parameters listed are the VOCs that were detected in at least one groundwater sample.
Class GA Standards are the groundwater standards listed in 6NYCRR Part 703.5.
Results are in units of micrograms per Liter (ug/L).
Bold results exceed Class GA standard.

Table 3. Summary of Second Quarter 2018 Leachate Indicator Parameter Results and Comparison to Standards

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND LEACHATE INDICATOR PARAMETER RESULT					
		5B	6B	6C	6E	6F	8A
Alkalinity	No Std.	24.0	696	316	742	4.0 J	2.0 J
Ammonia	2	0.16	**97.1**	**18.0**	**101**	0.49	0.25
Chloride	250	126	241	214	248	**295**	38.0
Cyanide	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate	10	6.6	<0.050	<0.050	0.094	2.8	1.8
Nitrite	1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrate and Nitrite	10	6.6	<0.050	<0.050	0.1	2.8	1.8
Sulfate	250	27.0	4.3 J	49.2	5.9	0.33 J	19.0
Total Dissolved Solids	500 (SMCL)	231	**862**	**595**	**856**	397	94.0
Total Hardness	No Std.	60.0	136	112	128	120	34.0
Total Kjeldahl Nitrogen	No Std.	<0.10	137	23.4	115	0.69	0.10
Total Phenols	0.001	**0.0033 J**	**0.0392**	**0.0141**	**0.0305**	**0.0018 J**	<0.005

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND LEACHATE INDICATOR PARAMETER RESULT					
		8B	9B	9C	OBS-1	LF-1	LF-2
Alkalinity	No Std.	48.0	26.0	22.0	184	120	30.0
Ammonia	2	0.069 J	0.64	2.1	**7.8**	0.87	**117**
Chloride	250	232	115	96.5	103	78.2	**476**
Cyanide	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate	10	1.3	3.5	1.4	0.34	1.4	<0.050
Nitrite	1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrate and Nitrite	10	1.3	3.5	1.4	0.3	1.4	<0.050
Sulfate	250	38.0	24.2	22.8	33.5	42.4	0.48 J
Total Dissolved Solids	500 (SMCL)	409	269	236	337	307	**1,590**
Total Hardness	No Std.	84.0	56.0	38.0	110	100	132
Total Kjeldahl Nitrogen	No Std.	0.69	0.72	4.0	14.8	4.5	150
Total Phenols	0.001	<0.005	<0.005	**0.0048 J**	**0.0059**	<0.005	**0.0372**

Notes: Standards are the Class GA groundwater standards listed in 6NYCRR Part 703.5, except for TDS.
Standard for TDS is the more stringent federal secondary maximum contaminant level (SMCL).
Results are in units of milligrams per Liter (mg/L).
J = Estimated result above method detection limit but below reporting limit.
Bold results exceed Class GA standard.

Table 4. Summary of Second Quarter 2018 Inorganic Parameter Results and Comparison to Standards

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND TOTAL INORGANIC PARAMETER RESULT					
		5B	6B	6C	6E	6F	8A
Aluminum	No. Std.	38.5 J	216	86.0 J	48.6 J	249	30.9 J
Barium	1,000	30.6 J	36.8 J	23.0 J	138 J	162 J	50.2 J
Calcium	No Std.	12,700	12,100	32,000	29,800	27,300	4,850
Chromium, Total	50	<10.0	4.9 J	2.8 J	<10.0	1.7 J	1.7 J
Chromium, Hexavalent	50	<20	<20	<20	<40	3.0 J	3.0 J
Copper	200	<25.0	<25.0	<25.0	<25.0	<25.0	4.2 J
Iron	300	55.9	**10,600**	**5,730**	**54,600**	**693**	19.0 J
Iron and Manganese	500	**3,676**	**10,645**	**5,808**	**55,145**	**798**	178 J
Lead	25	<5.0	2.9 J	3.2 J	<5.0	<5.0	1.3 J
Magnesium	No Std	5,900	8,920	7,930	17,100	10,600	5,420
Manganese	300	**3,620**	45.1	78.4	545	105	159
Mercury	0.7	0.14 J	<0.20	<0.20	0.16 J	0.18 J	<0.20
Nickel	100	8.6 J	16.4 J	12.6 J	11.6 J	27.0 J	11.8 J
Potassium	No Std.	11,000	83,700	27,400	71,000	7,660	5,010
Sodium	20,000	**57,600**	**205,000**	**163,000**	**198,000**	**96,300**	11,900
Zinc	2,000[GV]	1.3 J	11.6 J	63.0	8.1 J	140	36.2

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND TOTAL INORGANIC PARAMETER RESULT					
		8B	9B	9C	OBS-1	LF-1	LF-2
Aluminum	No. Std.	21.4 J	27.9 J	13.7 J	41.8 J	29.6 J	155 J
Barium	1,000	75.8 J	77.9 J	50.1 J	67.0 J	42.9 J	39.6 J
Calcium	No Std.	24,600	12,700	6,590	14,200	19,800	26,300
Chromium, Total	50	5.4 J	<10.0	<10.0	<10.0	<10.0	9.4 J
Chromium, Hexavalent	50	5.8 J	<20	3.7 J	<20	<20	<20
Copper	200	<25.0	<25.0	3.3 J	<25.0	<25.0	<25.0
Iron	300	56.2	39.6	93.1	104	**8,360**	**6,730**
Iron and Manganese	500	387	**2,560**	237	**2,454**	**9,960**	**6,887**
Lead	25	<5.0	3.6 J	<5.0	<5.0	<5.0	<5.0
Magnesium	No Std.	6,170	5,890	5,940	9,680	14,100	18,000
Manganese	300	**331**	**2,520**	144	**2,350**	**1,600**	157
Mercury	0.7	<0.20	<0.20	0.28	<0.20	0.15 J	0.13 J
Nickel	100	10.2 J	4.4 J	5.7 J	5.6 J	9.2 J	17.1 J
Potassium	No Std.	8,820	8,460	8,950	12,400	10,800	123,000
Sodium	20,000	**107,000**	**51,500**	**45,000**	**50,700**	**61,900**	**400,000**
Zinc	2,000[GV]	16.6 J	2.5 J	3.4 J	1.5 J	5.6 J	2.8 J

Notes: Class GA Standards are the groundwater standards listed in 6NYCRR Part 703.5.
GV = Guidance Value, there is no Class GA standard for this parameter.
Results are in units of micrograms per Liter (ug/L).
J = Estimated result above method detection limit but below reporting limit.
Bold results exceed Class GA standard.

Table 1. Summary of Fourth Quarter 2018 Field Parameter Results and Comparison to Standards

PARAMETER	UNITS	CLASS GA STANDARD	WELL NUMBER AND FIELD PARAMETER RESULTS					
			5B	6B	6C	6E	6F	8A
Temperature	°C	No Std.	15.5	17.6	17.6	17.7	16.5	13.5
pH	Units	6.5-8.5	**6.33**	7.32	7.35	6.92	**4.82**	**4.97**
Dissolved Oxygen	mg/L	No Std.	0.59	0.37	0.31	0.38	0.67	8.25
Conductivity	mS/cm	No Std.	0.507	2.238	1.831	1.977	1.006	0.136
Eh	pHmV	No Std.	524	-34.8	-36.5	-11.6	109	99.8
ORP	mV	No. Std.	153	-109	-86.1	-97	193	161
Turbidity	NTU	<5	2.7	**32.2**	1.6	**108**	4.2	4.6
Floaters or Sinkers	N/A	No Std.	None	None	None	None	None	None
Field Observations	N/A	No Std.	Clear, No Odor	Cloudy, Strong Sulfur Odor	Slty. Cloudy, Moderate Sulfur Odor	Slty. Cloudy, Foam, Strong Sulfur Odor	Clear, No Odor	Clear, No Odor

PARAMETER	UNITS	CLASS GA STANDARD	WELL NUMBER AND FIELD PARAMETER RESULTS					
			8B	9B	9C	OBS-1	LF-1	LF-2
Temperature	°C	No Std.	13.8	14.8	15.3	16.1	16.3	16.8
pH	Units	6.5-8.5	**4.13**	**6.19**	N/A	6.62	7.00	7.43
Dissolved Oxygen	mg/L	No Std.	0.36	0.52	0.40	0.46	0.56	0.58
Conductivity	mS/cm	No Std.	1.160	0.464	0.492	0.747	0.634	3.170
Eh	pHmV	No Std.	147	29.9	524	5.7	-16.10	-41.5
ORP	mV	No Std.	254	154	972	112	-81.8	-138
Turbidity	NTU	<5	4.6	0.29	1.2	0.47	1.8	2.3
Floaters or Sinkers	N/A	No Std.	None	None	None	None	None	None
Field Observations	N/A	No Std.	Clear, No Odor	Clear, No Odor	Clear, No Odor	Clear, No Odor	Clear, Odor	Light Yellow, Strong Odor

Notes: Class GA Standards are the groundwater standards listed in 6NYCRR Part 703.5.
Bold values exceed Class GA standard.
°C = degrees Celsius.
mg/L = milligrams per Liter.
mS/cm = milliSiemens per centimeter.
pHmV = pH in milliVolts.
ORP = Oxidation-Reduction Potential
mV = milliVolts.
NTU = Nephelometric turbidity units.
N/A = Not applicable.

Table 2. Summary of Fourth Quarter 2018 VOC Results and Comparison to Standards

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND VOC RESULTS					
		MW-5B	MW-6B	MW-6C	MW-6E	MW-6F	MW-8A
Aromatic Hydrocarbons:							
Benzene	1	<1.0	1.0	0.94 J	0.95 J	<1.0	<1.0
Chlorobenzene	5	<1.0	3.6	2.4	3.9	<1.0	<1.0
1,4-Dichlorobenzene	3	<1.0	1.8	1.5	1.3	<1.0	<1.0
Isopropylbenzene	5	<1.0	2.4	1.8	0.87 J	<1.0	<1.0
Chlorinated Solvents:							
cis-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	1.1
Tetrachloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	2.8
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND VOC RESULTS					
		MW-8B	MW-9B	MW-9C	OBS-1	LF-1	LF-2
Aromatic Hydrocarbons:							
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**
Chlorobenzene	5	<1.0	<1.0	<1.0	0.96 J	<1.0	0.98 J
1,4-Dichlorobenzene	3	<1.0	<1.0	<1.0	<1.0	<1.0	1.1
Isopropylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	2.3
Chlorinated Solvents:							
cis-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	5	<1.0	2.1	2.4	<1.0	<1.0	<1.0

Notes: Parameters listed are the VOCs that were detected in at least one groundwater sample.
Class GA Standards are the potable groundwater standards listed in 6NYCRR Part 703.5.
Results are in units of micrograms per Liter (ug/L).
Bold results exceed Class GA standard.

Table 3. Summary of Fourth Quarter 2018 Leachate Indicator Parameter Results and Comparison to Standards

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND LEACHATE INDICATOR PARAMETER RESULT					
		5B	6B	6C	6E	6F	8A
Alkalinity	No Std.	31.3	763	741	426	0.63 J	1.3
Ammonia	2	0.024 J	**117**	**97.3**	**6.6**	0.20	0.14
Chloride	250	137	**296**	**288**	**404**	**376**	37.6
Cyanide	0.2	<0.010	0.003 J	<0.010	<0.010	<0.010	<0.010
Nitrate	10	4.4	<0.050	<0.050	1.1	3.4	1.2
Nitrite	1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrate and Nitrite	10	4.4	<0.050	<0.050	1.1	3.4	1.2
Sulfate	250	27.3	0.69 J	4.7 J	23.8	<5	11.2
Total Dissolved Solids	500 (SMCL)	267	**848**	**812**	**732**	**568**	73.0
Total Hardness	No Std.	58.0	72.0	100	148	140	24.0
Total Kjeldahl Nitrogen	No Std.	<0.10	129	107	68.0	<0.10	<0.10
Total Phenols	0.001	**0.0018 J**	**0.0295**	**0.0346**	**0.0161**	<0.005	<0.005

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND LEACHATE INDICATOR PARAMETER RESULT					
		8B	9B	9C	OBS-1	LF-1	LF-2
Alkalinity	No Std.	10.3	29.0	39.0	191	122	1,160
Ammonia	2	0.17	0.42	**3.7**	**40.4**	**10**	**12.3**
Chloride	250	130	126	128	124	118	**461**
Cyanide	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate	10	1.1	3.3	1.8	0.39	<0.050	<0.050
Nitrite	1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrate and Nitrite	10	1.1	3.3	1.8	0.39	<0.050	<0.050
Sulfate	250	32.2	23.2	22.7	35.6	43.9	8.5
Total Dissolved Solids	500 (SMCL)	**538**	240	240	312	282	**1,540**
Total Hardness	No Std.	80.0	56.0	57.0	99.0	88.0	130
Total Kjeldahl Nitrogen	No Std.	0.33	<0.10	3.1	20.7	10.5	136
Total Phenols	0.001	<0.005	<0.005	**0.0048 J**	**0.0069**	**0.0079**	**0.0213**

Notes: Standards are the Class GA groundwater standards listed in 6NYCRR Part 703.5, except for TDS.
Standard for TDS is the more stringent federal secondary maximum contaminant level (SMCL).
Results are in units of milligrams per Liter (mg/L).
J = Estimated result above method detection limit but below reporting limit.
Bold results exceed Class GA standard or SMCL.

Table 4. Summary of Fourth Quarter 2018 Inorganic Parameter Results and Comparison to Standards

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND TOTAL INORGANIC PARAMETER RESULT					
		5B	6B	6C	6E	6F	8A
Aluminum	No. Std.	15.4 J	166 J	24.5 J	37.0 J	229	35.7 J
Barium	1,000	32.6 J	42.4 J	23.0 J	194 J	202	41.4 J
Calcium	No Std.	13,300	14,300	24,300	35,800	35,500	4,040
Chromium, Total	50	<10.0	1.8 J	<10.0	<10.0	<10.0	<10.0
Chromium, Hexavalent	50	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Copper	200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Iron	300	14.5 J	**10,300**	**3,140**	**27,600**	**500**	<100
Iron and Manganese	500	**3,875 J**	**10,350**	**3,195**	**28,045**	**618**	65.1
Lead	25	1.4 J	3.7 J	<5.0	1.3 J	1.5 J	<5.0
Magnesium	No Std.	6,060	10,500	9,910	17,500	13,700	4,600
Manganese	300	**3,860**	50.0	55.4	**445**	118	65.1
Mercury	0.7	0.14 J	<0.20	<0.20	0.21	0.19 J	<0.20
Nickel	100	5.8 J	13.0 J	11.2 J	12.0 J	26.5 J	8.2 J
Potassium	No Std.	10,300	92,800	76,200	49,400	7,120	3,260 J
Sodium	20,000	**63,600**	**250,000**	**243,000**	**203,000**	**121,000**	10,800
Zinc	2,000[GV]	4.5 J	9.5 J	5.4 J	18.1 J	63.9	38.8

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND TOTAL INORGANIC PARAMETER RESULT					
		8B	9B	9C	OBS-1	LF-1	LF-2
Aluminum	No. Std.	52.3 J	14.0 J	15.9 J	14.1 J	13.8 J	27.6 J
Barium	1,000	144 J	91.0 J	53.7 J	48.3 J	75.8 J	41.2 J
Calcium	No Std.	26,300	13,700	7,840	17,100	17,200	26,700
Chromium, Total	50	<10.0	<10.0	<10.0	<10.0	<10.0	6.7 J
Chromium, Hexavalent	50	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Copper	200	<25.0	<25.0	<25.0	<25.0	4.5 J	<25.0
Iron	300	23.1 J	<100	21.0 J	74.6 J	**13,000**	**6,490**
Iron and Manganese	500	**1,173 J**	**2,430**	195	**2,625 J**	**15,590**	**6,628**
Lead	25	<5.0	<5.0	<5.0	2.0 J	<5.0	3.1 J
Magnesium	No Std.	8,710	5,910	7,120	13,800	13,500	17,500
Manganese	300	**1,150**	**2,430**	174	**2,550**	**2,590**	138
Mercury	0.7	<0.20	<0.20	<0.20	0.18 J	<0.20	<0.20
Nickel	100	24.4 J	2.5 J	4.0 J	3.9 J	7.3 J	13.6 J
Potassium	No Std.	10,700	8,110	12,400	24,700	13,300	125,000
Sodium	20,000	**160,000**	**59,000**	**65,000**	**69,100**	**66,100**	**450,000**
Zinc	2,000[GV]	59.0	5.7 J	6.4 J	5.4 J	5.5 J	5.3 J

Notes: Class GA Standards are the potable groundwater standards listed in 6NYCRR Part 703.5.
GV = Guidance Value from NYSDEC TOGS 1.1.1, there is no Class GA standard for this parameter.
Results are in units of micrograms per Liter (ug/L).
J = Estimated result above method detection limit but below reporting limit.
Bold results exceed Class GA standard.

Table 5. Summary of Fourth Quarter 2018 Dissolved Inorganic Parameter Results and Comparison to Standards

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND DISSOLVED INORGANIC PARAMETER RESULT					
		5B	6B	6C	6E	6F	8A
Aluminum	No. Std.	<200	102 J	16.7 J	22.5 J	180 J	32.6 J
Barium	1,000	30.6 J	34.8 J	19.5 J	165 J	198 J	39.9 J
Calcium	No Std.	13,200	13,000	23,200	34,400	34,900	3,930
Chromium, Total	50	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chromium, Hexavalent	50	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Copper	200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Iron	300	<20.0	**1,570**	271	**4,440**	**395**	<20.0
Iron and Manganese	500	**3,740**	**1,593**	321	**4,844**	**510**	62.6
Lead	25	1.6 J	<5.0	<5.0	<5.0	<5.0	2.5 J
Magnesium	No Std.	5,960	9,560	9,400	16,800	13,400	4,480
Manganese	300	**3,740**	23.2	49.5	**404**	115	62.6
Mercury	0.7	<0.20	<0.20	<0.20	<0.20	0.16 J	<0.20
Nickel	100	6.0 J	9.6 J	10.9 J	10.8 J	26.1 J	7.7 J
Potassium	No Std.	9,960	87,000	74,000	48,000	7,080	3,210 J
Sodium	20,000	**61,100**	**232,000**	**234,000**	**199,000**	**116,000**	9,880
Zinc	2,000[GV]	2.8 J	3.5 J	3.3 J	4.7 J	60.1	39.4

PARAMETER	CLASS GA STANDARD	WELL NUMBER AND DISSOLVED INORGANIC PARAMETER RESULT					
		8B	9B	9C	OBS-1	LF-1	LF-2
Aluminum	No. Std.	49.5 J	<200	<200	15.0 J	<200	29.8 J
Barium	1,000	138 J	87.8 J	51.0 J	47.2 J	68.9 J	34.8 J
Calcium	No Std.	25,200	13,300	7,500	16,700	16,200	25,400
Chromium, Total	50	<10.0	<10.0	<10.0	<10.0	<10.0	6.3 J
Chromium, Hexavalent	50	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Copper	200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Iron	300	13.9 J	<20.0	<20.0	49.5	**6,040**	**3,010**
Iron and Manganese	500	**1,094 J**	**2,350**	167	**2,580**	**8,510**	**3,139**
Lead	25	<5.0	1.8 J	<5.0	<5.0	1.8 J	<5.0
Magnesium	No Std.	8,310	5,730	6,770	13,400	12,800	16,400
Manganese	300	**1,080**	**2,350**	167	**2,530**	**2,470**	129
Mercury	0.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Nickel	100	22.9 J	<40.0	2.9 J	4.8 J	5.5 J	14.2 J
Potassium	No Std.	10,300	7,880	11,900	23,800	12,800	121,000
Sodium	20,000	**155,000**	**56,900**	**62,200**	**66,500**	**63,800**	**437,000**
Zinc	2,000[GV]	53.4	3.2 J	3.7 J	2.9 J	5.3 J	3.5 J

Notes: Class GA Standards are the potable groundwater standards listed in 6NYCRR Part 703.5.
GV = Guidance Value from NYSDEC TOGS 1.1.1, there is no Class GA standard for this parameter.
Results are in units of micrograms per Liter (ug/L).
J = Estimated result above method detection limit but below reporting limit.
Bold results exceed Class GA standard.

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 05/24/19	LF-2 05/23/19	MW-05B 05/22/19	MW-06A 05/23/19	MW-06B 05/23/19	MW-06C 05/23/19	MW-06E 05/23/19	MW-06F 05/23/19	MW-08A 05/22/19	MW-08B 05/22/19	MW-09B 05/22/19	MW-09C 05/22/19	OBS-1 05/22/19
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1.6	1 U	1 U	2.4	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	2.3	1 U	1 U	2.1	0.92 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1.2	1 U	1 U	5.4	2.3	2.2	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	5	1 U	1 U	2.7	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1.9	1 U	1.1	3.2	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	–	ND	10.1	ND	1.2	12.6	5.9	2.2	ND	14.1	ND	1.1	3.2	ND

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value or limit
--	No standard
ND	Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		LF-1	LF-1	LF-2	LF-2	MW-5B	MW-5B	MW-6A	MW-6A	MW-6B	MW-6B	MW-6C	MW-6C	MW-6E
Sample Date		05/24/19	05/24/19	05/23/19	05/23/19	05/22/19	05/22/19	05/23/19	05/23/19	05/23/19	05/23/19	05/23/19	05/23/19	05/23/19
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Units in ug/l														
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	200 U	200 UJ	200 U	200 UJ	200 U	200 UJ	200 U	200 UJ	200 U	200 UJ	200 U	200 UJ	200 U
Barium	1000	71.2 J	69 J	47 J	45.8 J	38 J	36.9 J	50.1 J	46.7 J	53.3 J	50.9 J	46.7 J	21.6 J	212
Calcium	--	13100	13000	29800	29100	13000	12700	3130	3000	18000	17200	52700	24500	33300
Chromium	50	10 U	10 U	13.8	5.8 J	3 J	10 U	3.7 J	10 U	7.7 J	10 U	3.8 J	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***9520***	***8970 J***	***7280***	***7180 J***	25.4 UB	20 UJ	29.4 UB	13.2 J	***10800***	***9570 J***	***6700***	***3070 J***	***16200***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	10100	9990	20400	19500	5810	5660	3110	2930	14500	13600	21000	9730	15500
Manganese	300 #	***1930***	***1870***	***162***	***151***	***3690***	***3530***	21.4	17.4	***53.3***	***47.2***	***131***	***61.3***	***479***
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.03 J	0.2 U	0.07 J	0.2 U	0.2 U	0.2 U	0.04 J	0.2 U	0.03 J	0.2 U
Nickel	100	8.1 J	7.6 J	18.9 J	15.2 J	9.7 J	6.9 J	9.4 J	7.5 J	11.9 J	7.2 J	23 J	9.6 J	15.2 J
Potassium	--	16800	16000	132000	128000	11300	10800	3580 J	3200 J	92200	87000	139000	63000	39200
Sodium	20000	***59700***	***58700***	***420000***	***411000***	***62900***	***61200***	17600	16100	***217000***	***207000***	***429000***	***207000***	***168000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	12 J	8.7 J	20 U	20 U	20 U	20 U	16.4 J

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		MW-6E	MW-6F	MW-6F	MW-8A	MW-8A	MW-8B	MW-8B	MW-9B	MW-9B	MW-9C	MW-9C	OBS-1	OBS-1
Sample Date		05/23/19	05/23/19	05/23/19	05/22/19	05/22/19	05/22/19	05/22/19	05/22/19	05/22/19	05/22/19	05/22/19	05/22/19	05/22/19
Type:		Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l														
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	200 UJ	155 J	139 J	200 U	200 UJ	200 U	200 UJ	200 U	200 UJ	200 U	200 UJ	200 U	200 UJ
Barium	1000	210	212	203	55.8 J	55.7 J	141 J	141 J	80.4 J	77.2 J	53.7 J	51.8 J	50.6 J	49.3 J
Calcium	--	33300	36900	35400	12500	12600	23100	23400	11700	11700	7910	7660	16900	16600
Chromium	50	10 U	4 J	10 U	6.1 J	10 U	4 J	10 U	3.9 J	10 U	5.1 J	10 U	3 J	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	5.3 J	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***16000 J***	137	99.6 J	48.6 UB	6 J	32.6 UB	***8 J***	38.2 UB	***12.9 J***	35.7 UB	20 UJ	65.5 UB	***39.8 J***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	15400	14500	13900	5110	5210	7890	7980	5040	5040	8750	8480	13200	13000
Manganese	300 #	***467***	119	107	75.1	66.4	***1120***	***1110***	***2630***	***2440***	156	140	***2430***	***2330***
Mercury	0.7	0.2 U	0.21	0.1 J	0.2 U	0.07 J	0.2 U	0.13 J	0.2 U	0.05 J	0.2 U	0.06 J	0.2 U	0.05 J
Nickel	100	13.4 J	28.9 J	25.9 J	9.3 J	6 J	27.9 J	25.5 J	5.5 J	40 U	6.6 J	4.9 J	6.5 J	40 U
Potassium	--	38500	8570	8400	6420	6290	10800	10600	8580	8500	12000	11500	24500	23600
Sodium	20000	***166000***	***127000***	***123000***	***41700***	***42000***	***150000***	***151000***	***52700***	***52300***	***65100***	***62900***	***62100***	***60500***
Zinc	2000	15.1 J	29.3	27.1	17.7 J	16.9 J	66	65.9	12.6 J	10.5 J	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID		LF-1	LF-2	MW-05B	MW-06A	MW-06B	MW-06C	MW-06E	MW-06F	MW-08A	MW-08B	MW-09B	MW-09C
Sample Date		05/24/19	05/23/19	05/22/19	05/23/19	05/23/19	05/23/19	05/23/19	05/23/19	05/22/19	05/22/19	05/22/19	05/22/19
Units in mg/l	NYSDEC Class GA Standard or Guidance Value												
LEACHATE INDICATORS													
Alkalinity, Total	—	117	1230	30.3	2.5	808	620	217	1.0 U	21.6	4.1	30.3	38.9
Alkalinity,Bicarbonate	—	117	1230	30.3	2.5	808	620	217	1.0 U	21.6	4,1	30.3	38.9
Alkalinity,Carbonate	—	1.0 U	1230	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloride	250	76.2	***383***	94.8	20.5	231	228	***325***	***374***	47.4	***294***	76.9	102
Cyanide	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.0036 J	0.0036 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hardness	--	25.0	100	53.3	14.0	80.0	70.0	80.0	120	40.0	85.0	46.7	43.3
Hexavalent Chromium	0.05	0.020 UJ	0.10 U	0.020 U	0.020 U	0.10 U	0.10 U	0.10 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Nitrogen, Ammonia	2	***11.7***	***145***	0.10 U	1.1	***96.5***	***66.5***	***36.0***	***3.3***	0.72	0.32 UB	1.7	***2.2***
Nitrogen, Kjeldahl, Total	—	11.2 J	131	0.10 U	0.77	137	128	37.2	0.58	0.18	0.15	0.86	2.0
Nitrate	10	0.47	0.050 UJ	4.7	1.5 J	0.050 UJ	0.050 UJ	2.3 J	3.6	2.3	1.1	4.6	2.3
Nitrite	1	0.050 U	0.050 U	0.13 J	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Phenolics, Total	0.001	0.010 U	0.010 U	0.010 U	***0.011***	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sulfate	250	36.6	5.0 U	24.3	13.3	5.0 U	4.7 J	24.7	5.0 U	27.9	31.6	20.7	21.4
Total Dissolved Solids	—	400 J	1690 J	362 J	224 J	996 J	896 J	1100 J	666 J	179 J	718 J	308 J	310 J

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard or not analyzed
Exceeds NYSDEC Class GA Standard or Guidance Value	

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Units in mg/l	Sample ID / Sample Date	OBS-1 05/22/19
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value	
Alkalinity, Total	—	186
Alkalinity,Bicarbonate	—	186
Alkalinity,Carbonate	—	1.0 U
Chloride	250	77.3
Cyanide	0.2	0.01 U
Hardness	—	85.0
Hexavalent Chromium	0.05	0.020 U
Nitrogen, Ammonia	2	19.7
Nitrogen, Kjeldahl, Total	—	18.0
Nitrate	10	0.42
Nitrite	1	0.050 U
Phenolics, Total	0.001	0.010 U
Sulfate	250	32.0
Total Dissolved Solids	—	498 J

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 08/28/19	LF-2 08/28/19	MW-05B 08/26/19	MW-06A 08/27/19	MW-06B 08/27/19	MW-06C 08/27/19	MW-06E 08/27/19	MW-06F 08/27/19
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value								
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	2.3	1 U	1 U	2.7	2.1	1.1	1 U
Benzene	1	1 U	***2.8 J***	1 U	1 U	***1.7***	***1.5***	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1.4	1 U	1 U	***5.7***	4.2	2.1	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1 U	1 U	1 U	2.1	2	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1.8	1.2	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	ND	6.5	1.8	1.2	12.2	9.8	3.2	ND

Footnotes/Qualifiers:
ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
-- No standard
ND Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	MW-08A 08/26/19	MW-08B 08/26/19	MW-09B 08/26/19	MW-09C 08/26/19	OBS-1 08/26/19
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value					
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	***15.5***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	3.5	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	2.5	1 U	2.9	2.1	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	21.5	ND	2.9	2.1	ND

Footnotes/Qualifiers:
ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
-- No standard
ND Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		LF-1		LF-2		MW-05B		MW-06A		MW-06B		MW-06C	
Sample Date		08/28/19		08/28/19		08/26/19		08/27/19		08/27/19		08/27/19	
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l													
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	74.1 J	79.7 J	47.3 J	49.2 J	37.1 J	39.6 J	31.5 J	33.4 J	51.2 J	53.4 J	22.2 J	23.2 J
Calcium	--	11300	12100	31600	32300	13000	13800	2040	2130	18000	18500	20300	20800
Chromium	50	10 U	10 U	9.6 J	9 J	10 U	10 U	1.5 J	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300*	***11000***	***11500***	***7400***	***7540***	100 U	20 U	151 UB	146	***10500***	***10600***	***3490***	***3520***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	9330	9930	21300	21500	5670	6050	2080	2160	14500	14700	12600	12800
Manganese	300*	***2120***	***2240***	***157***	***160***	***3410***	***3610***	22.8	21.7	***46.6***	***45.8***	***51.7***	***52.6***
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	6.6 J	7.5 J	17 J	17.1 J	6.6 J	8 J	6.8 J	7.8 J	6.8 J	7.5 J	11.4 J	12.1 J
Potassium	--	16300	17500	133000	145000	11200	12100	2460 J	2680 J	89200	95800	81500	87500
Sodium	20000	***53900***	***59100***	***424000***	***451000***	***61000***	***65900***	12500	13400	***201000***	***214000***	***233000***	***248000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 UB	20 UB	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard
Exceeds NYSDEC Class GA Standard or Guidance Value	
*	Iron and magnesium sum is 500

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		MW-06E		MW-06F		MW-08A		MW-08B		MW-09B		MW-09C	
Sample Date		08/27/19		08/27/19		08/26/19		08/26/19		08/26/19		08/26/19	
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l													
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	200 U	200 U	138 J	145 J	200 U	200 U	200 U	100 J	200 U	200 U	200 U	200 U
Barium	1000	207	228	207	227	52 J	53.7 J	123 J	130 J	98.3 J	107 J	57 J	62.3 J
Calcium	--	32100	34900	36200	39200	11900	12000	24600	26000	14000	15100	8630	9290
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	6.7 J	25 U	7.1 J	12.2 J	25 U	25 U	5.6 J	25 U	25 U	25 U	25 U	25 U
Iron	300*	***17800***	***19000***	100 UB	100	100 U	20 U	100 UB	***77.1***	100 U	20 UB	100 UB	20 U
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	15000	16200	14100	15300	4730	4840	7790	8200	5800	6290	9050	9780
Manganese	300*	***438***	***475***	122	120	82.8	66.6	***1050***	***1100***	***3340***	***3560***	181	195
Mercury	0.7	0.2 U	0.2 U	0.32	0.2 U	0.2 U	0.11 J	0.11 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	14.1 J	15.5 J	26.6 J	29.9 J	6.4 J	7.1 J	20.8 J	21.8 J	40 U	40 U	4.5 J	5.8 J
Potassium	--	36200	40500	8790	9510	5780	6030	11500	12300	9830	10900	11800	13200
Sodium	20000	***163000***	***183000***	***125000***	***139000***	***33800***	***35200***	***148000***	***158000***	***54100***	***59600***	***62600***	***69200***
Zinc	2000	20 UB	20 UB	26.8 UB	29.2 UB	20 UB	20 UB	50.1	51.3 UB	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard
Exceeds NYSDEC Class GA Standard or Guidance Value	
*	Iron and magnesium sum is 500

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l Sample ID Sample Date Type:		OBS-1 08/26/19 Total	OBS-1 08/26/19 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value		
Aluminum	--	200 U	168 J
Barium	1000	51.8 J	89.1 J
Calcium	--	17500	18600
Chromium	50	10 U	10 U
Copper	200	25 U	25 U
Iron	300*	100 UB	62.8 UB
Lead	25	5 U	5 U
Magnesium	35000	13500	14200
Manganese	300*	***2620***	***2770***
Mercury	0.7	0.2 U	0.2 U
Nickel	100	40 U	5.2 J
Potassium	--	23200	24900
Sodium	20000	***58000***	***62900***
Zinc	2000	20 U	20 UB

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard
Exceeds NYSDEC Class GA Standard or Guidance Value	
*	Iron and magnesium sum is 500

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Units in mg/l	Sample ID Sample Date	LF-1 08/28/19	LF-2 08/28/19	MW-05B 08/26/19	MW-06A 08/27/19	MW-06B 08/27/19	MW-06C 08/27/19	MW-06E 08/27/19	MW-06F 08/27/19	MW-08A 08/26/19	MW-08B 08/26/19
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value										
Alkalinity, Total	--	109	1170	26.3 J	4.1 J	726 J	691 J	172 J	1 U	12.8 J	10.6 J
Alkalinity,Bicarbonate	--	109	1170	26.3 J	4.1 J	726 J	691 J	172 J	1 U	12.8 J	10.6 J
Alkalinity,Carbonate	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloride	250	59.1	***403***	89.7	18.5	225	***291***	***339***	***315***	58.6	***280***
Cyanide	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hardness	--	70.0	140	45.0	10.0	100	93.3	200	133	40.0	73.3
Hexavalent Chromium	0.05	0.02 U	0.02 U	0.02 U	0.02 U	0.1 U	0.1 U	0.02 U	0.02 U	0.02 U	0.02 U
Nitrogen, Ammonia	2	***11.9***	***147***	0.1 UB	0.55	***119***	***111***	***33.4***	0.16 UB	0.1 U	0.1 UB
Nitrogen, Kjeldahl, Total	--	12.6 J	137 J	0.1 UJ	1.2 J	111 J	98.6 J	34.6 J	1.1 J	0.076 UJB	0.057 UJB
Nitrate	10	0.05 U	0.05 U	5.0	0.85	0.05 UJ	0.05 UJ	2.3 J	3.7	1.8	1.4
Nitrite	1	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
Phenolics, Total	0.001	0.005 UB	0.005 UB	0.005 U	**0.0167**	0.005 UB	0.005 U	0.005 UB	0.005 U	0.005 U	0.005 U
Sulfate	250	45.7	5 U	28.8	14.2	5 U	5.8	41.1	5 U	36.1	38.0
Total Dissolved Solids	--	250	1600	232	62.0 J	786 J	910 J	678 J	614 J	160	520

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Units in mg/l	Sample ID Sample Date	MW-09B 08/26/19	MW-09C 08/26/19	OBS-1 08/26/19
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value			
Alkalinity, Total	–	27.4 J	42.8 J	153 J
Alkalinity,Bicarbonate	–	27.4 J	42.8 J	153 J
Alkalinity,Carbonate	–	1 U	1 U	1 U
Chloride	250	88.8	92.8	82.4
Cyanide	0.2	0.01 U	0.01 U	0.01 U
Hardness	–	50.0	45.0	86.7
Hexavalent Chromium	0.05	0.02 U	0.02 U	0.02 U
Nitrogen, Ammonia	2	0.45	1.4	***16.9***
Nitrogen, Kjeldahl, Total	–	0.45 UJB	1.4 J	15.6 J
Nitrate	10	3.8	0.42	0.52
Nitrite	1	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.005 U	0.005 U	0.005 U
Sulfate	250	23.3	26.1	40.2
Total Dissolved Solids	--	206	240	292

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
–	No standard or not analyzed
Exceeds NYSDEC Class GA Standard or Guidance Value	

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 5/20/20	LF-2 5/20/20	MW_05B 5/18/20	MW_06A 5/19/20	MW_06B 5/19/20	MW_06C 5/19/20	MW_06E 5/19/20	MW_06F 5/19/20	MW_08A 5/18/20	MW_08B 5/18/20	MW_09B 5/18/20	MW_09C 5/18/20	OBS_1 5/18/20
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1.8	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	***3.1***	1 U	1 U	***3.6***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1.8	1 U	1 U	***8.9***	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***17.2***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	4.9	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.5	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1.6	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	1.3 J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	ND	12.9	1.6	ND	17.6	ND	1.8	ND	24.6	ND	1.6	ND	ND

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value or limit
--	No standard
ND	Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 5/20/20 Total	LF-1 5/20/20 Dissolved	LF-2 5/20/20 Total	LF-2 5/20/20 Dissolved	MW_05B 5/18/20 Total	MW_05B 5/18/20 Dissolved	MW_06A 5/19/20 Total	MW_06A 5/19/20 Dissolved	MW_06B 5/19/20 Total	MW_06B 5/19/20 Dissolved	MW_06C 5/19/20 Total	MW_06C 5/19/20 Dissolved	MW_06E 5/19/20 Total
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	102 J	96.7 J	52.8 J	51.9 J	49.8 J	43.2 J	22.3 J	20.5 J	61.5 J	58.2 J	29.7 J	26.8 J	193 J
Calcium	--	15300	15200	34900	35000	15800	15100	1400	1350	20800	20400	47200	46300	30300
Chromium	50	10 U	10 U	13	12.8	10 U	10 U	10 U	6.1 J	11.7	6.8 J	10 U	10 U	10 U
Copper	200	25 U	25 U	11.7 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***14600***	***14300***	***9020***	***8820***	100 U	20 U	40.1 UB	103 UB	***12800***	***12200***	***5220***	***4810***	***12600***
Lead	25	5 U	5 U	3.6 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	12500	12600	25200	25800	6520	6580	1470	1450	14600	14600	11300	11700	14800
Manganese	300 #	***2670***	***2630***	***174***	***178***	***3890***	***3880***	8.9 UB	10.5 UB	***55.6***	***55***	***133***	***141***	***401***
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21	0.15 J	0.2 U	0.2 U
Nickel	100	4 J	4 J	14.7 J	14.4 J	2.9 J	2.3 J	40 U	8.5 J	16.8 J	12.7 J	7.9 J	7.3 J	9 J
Potassium	--	17800	16300	133000	132000	10900	8890	5000 U	1990 J	118000	108000	28600	26100	28400
Sodium	20000	***70900***	***71800***	***481000***	***488000***	***77200***	***71500***	8650	7750	***316000***	***313000***	***220000***	***207000***	***179000***
Zinc	2000	20 U	3.6 UB	20 U	2.1 UB	20 U	20 U	20 U	23.3	20 U	2.2 UB	20 U	3 UB	17.2 J

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID	MW_06E	MW_06F	MW_06F	MW_08A	MW_08A	MW_08B	MW_08B	MW_09B	MW_09B	MW_09C	MW_09C	OBS_1	OBS_1
	Sample Date	5/19/20	5/19/20	5/19/20	5/18/20	5/18/20	5/18/20	5/18/20	5/18/20	5/18/20	5/18/20	5/18/20	5/18/20	5/18/20
	Type:	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	200 U	191 J	166 J	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	184 J	248	235	64 J	52.6 J	118 J	103 J	96.8 J	90.8 J	65.2 J	60.9 J	48.2 J	46.4 J
Calcium	--	29100	42800	43400	11200	9640	21600	20500	13300	13500	10200	10200	16100	16000
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	3.9 J	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***12000***	79.5 UB	86.8 UB	100 U	20 U	100 U	20 U	100 U	20 U	20.1 UB	10.2 UB	46.2 UB	38 UB
Lead	25	5 U	2.8 J	5.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	14200	16400	17500	4900	4790	6680	6700	5570	5980	8090	8410	10600	10900
Manganese	300 #	***381***	114	121	82.9	84.2	***910***	***914***	***3160***	***3320***	192	202	***2470***	***2560***
Mercury	0.7	0.2 U	0.2 U	0.26	0.2 U	0.2 U	0.37	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	7.7 J	24.4 J	24.8 J	2.9 J	2.6 J	17.4 J	15.6 J	40 U	40 U	3.9 J	1.9 J	2.8 J	1.9 J
Potassium	--	25700	7790	7130	6200	4280 J	10000	8300	8940	8050	11400	10600	20600	19800
Sodium	20000	***180000***	***175000***	***171000***	***38600***	***30600***	***165000***	***150000***	***56000***	***55300***	***70700***	***68500***	***55300***	***54600***
Zinc	2000	14.3 UB	26.4	25.8	13.6 J	12.1 UB	54.2	51.3	20 U	4.3 UB	20 U	4.4 UB	20 U	2.9 UB

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Units in mg/l	Sample ID Sample Date	LF-1 05/20/20	LF-2 05/20/20	MW_05B 05/18/20	MW_06A 05/19/20	MW_06B 05/19/20	MW_06C 05/19/20	MW_06E 05/19/20	MW_06F 05/19/20	MW_08A 05/18/20	MW_08B 05/18/20	MW_09B 05/18/20	MW_09C 05/18/20	OBS_1 05/18/20
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value													
Alkalinity, Total	---	116	1320	32.2	4.3	1030	390	144	1 U	14	5.8	33.8	44.9	160
Alkalinity,Bicarbonate	---	116	1320	32.2	4.3	1030	390	144	1 U	14	5.8	33.8	44.9	160
Alkalinity,Carbonate	---	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloride	250	93.5	***429***	93.9	9.6	***270***	186	***315***	***370***	41	***256***	79.9	92.1	65.9
Cyanide	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0038 J	0.01 U	0.01 U	0.01 U	0.01 U
Hardness	---	110	210	70	10	130	170	160	100	50	70	70	50	70
Hexavalent Chromium	0.05	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nitrogen, Ammonia	2	***13.1***	***48.7***	0.45 UB	0.44 UB	***136***	***15.8***	***22.7***	0.39 UB	0.35 UB	0.51 UB	1.3 UB	2.8 UB	***15.3***
Nitrogen, Kjeldahl, Total	---	13.1	168	0.2 UB	0.73 UB	172	24.1	25.2	0.1 U	0.1 U	0.17 UB	0.16 UB	2.1 UB	17.4
Nitrate	10	0.05 U	0.05 U	5.8 J	0.8	0.05 U	0.05 U	3.3	4.6	2.5 J	2.1 J	5.1 J	0.84 J	0.52 J
Nitrite	1	0.05 U	0.05 U	0.065	0.05 U	0.05 U	0.05 U	0.064	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.005 U	***0.007 J***	0.005 U	***0.004 J***	***0.005 J***	0.005 U	***0.004 J***	0.005 U	0.005 U	0.005 U	0.005 U	***0.003 J***	0.005 U
Sulfate	250	50	5 U	25.6	7.4	5 U	38.2	44	5 U	32.2	38.4	19.6	22.8	30.8
Total Dissolved Solids	---	319	1790	286	42	1140	739	648	680	125	507	220	247	257

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
UB	Non-detect based on blank results
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 10/29/20	LF-2 10/29/20	MW-05B 10/27/20	MW-06A 10/28/20	MW-06B 10/28/20	MW-06C 10/28/20	MW-06E 10/28/20	MW-06F 10/28/20	MW-08A 10/27/20	MW-08B 10/27/20	MW-09B 10/27/20	MW-09C 10/27/20	OBS-1 10/27/20
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	2.1	1 U	1 U	2.8	1.5	1.2	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	***3.6***	1 U	1 U	***1.2***	***1.4***	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1.7	1 U	1 U	4.5	2.9	1.5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***21.2***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	***5.5***	1 U	1 U	1.7	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***8.4***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1.7	1.1	1 U	1 U	1 U	1 U	3.8	1 U	1.5	1	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	2.8 J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	ND	15.7	1.7	1.1	10.2	7.2	2.7	ND	33.4	ND	1.5	1	ND

Footnotes/Qualifiers:
ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
-- No standard
ND Not detected
Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 10/29/20 Total	LF-1 10/29/20 Dissolved	LF-2 10/29/20 Total	LF-2 10/29/20 Dissolved	MW-05B 10/27/20 Total	MW-05B 10/27/20 Dissolved	MW-06A 10/28/20 Total	MW-06A 10/28/20 Dissolved	MW-06B 10/28/20 Total	MW-06B 10/28/20 Dissolved	MW-06C 10/28/20 Total	MW-06C 10/28/20 Dissolved	MW-06E 10/28/20 Total	MW-06E 10/28/20 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value														
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	47.8 J	200 U	200 U	200 U	200 U	200 U
Barium	1000	114 J	96.3 J	58 J	46.3 J	41.2 J	42.6 J	19.3 J	18.9 J	39.2 J	42.5 J	24.3 J	27.2 J	153 J	158 J
Calcium	--	17000	16500	39200	37700	12900	13500	1280	1250	13500	14400	30600	33800	23200	24000
Chromium	50	2.3 J	10 U	14.6	11.7	2.1 J	10 U	10 U	10 U	3.9 J	3.9 J	3.1 J	4.1 J	2.4 J	2.1 J
Copper	200	8 J	25 U	25 U	5.7 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***19700***	***2290***	***9810***	***4920***	23.3 UB	20 U	198 UB	197 UB	***8870***	***9350***	***3780***	***4160***	***12100***	***12400***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	14600	14100	28800	27000	5310	5530	1270	1230	11100	11900	11600	12800	12300	12700
Manganese	300 #	***3050***	***2950***	***177***	***171***	***3250***	***3310***	10.2 UB	10.1	***40.5***	***41.8***	***76.4***	***84.7***	***309***	***316***
Mercury	0.7	0.17 UB	0.2 U	0.23 UB	0.12 UB	0.2 UB	0.12 UB	0.2 UB	0.11 UB	0.2 U	0.2 U	0.18 UB	0.2 U	0.2 U	0.11 UB
Nickel	100	10 J	8.8 J	20.9 J	19.8 J	11.4 J	9.8 J	5.8 J	5.4 J	12.7 J	14.3 J	12.3 J	15.1 J	15.1 J	15.5 J
Potassium	--	18800	18300	145000	137000	10600	10400	1450 J	1440 J	84700	87400	66800	70100	33200	33500
Sodium	20000	***60100***	***58400***	***454000***	***434000***	***64900***	***70200***	6220	6000	***215000***	***237000***	***219000***	***248000***	***157000***	***166000***
Zinc	2000	5 J	20 U	20 U	20 U	20 U	20 U	11 J	5.4 UB	20 U	20 U	20 U	20 U	12.4 J	10.1 UB

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		MW-06F	MW-06F	MW-08A	MW-08A	MW-08B	MW-08B	MW-09B	MW-09B	MW-09C	MW-09C	OBS-1	OBS-1
Sample Date		10/28/20	10/28/20	10/27/20	10/27/20	10/27/20	10/27/20	10/27/20	10/27/20	10/27/20	10/27/20	10/27/20	10/27/20
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l													
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	177 J	169 J	41.4 J	200 U	38 J	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	228	250	59.9 J	67.5 J	94 J	97.5 J	81.1 J	87.2 J	63.6 J	68.5 J	43.5 J	47 J
Calcium	--	40200	43800	10700	12600	20600	21200	11400	12300	10600	11300	14900	16100
Chromium	50	1.5 J	1.8 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	91.7 UB	80.2 UB	100 U	20 U	100 U	20 U	8.3 UB	20 U	23.4 UB	9.1 UB	34 UB	30
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	15500	16800	5320	5790	6180	6390	4850	5250	8250	8900	10100	10900
Manganese	300 #	114	124	91.8	91.8	***851***	***872***	***3010***	***3200***	215	229	***2520***	***2710***
Mercury	0.7	0.37 UB	0.11 UB	0.13 UB	0.2 U	0.18 UB	0.1 UB	0.13 UB	0.2 U	0.16 UB	0.1 UB	0.2 U	0.2 U
Nickel	100	29.2 J	33.3 J	7.3 J	8.5 J	19.8 J	21.2 J	40 U	40 U	6.3 J	6.3 J	5.8 J	6.3 J
Potassium	--	9510	9750	5220	5610	11100	10900	8770	8990	12600	12700	22200	23100
Sodium	20000	***138000***	***155000***	***21800***	***26400***	***136000***	***147000***	***46400***	***52200***	***62800***	***70100***	***53900***	***60500***
Zinc	2000	26.4	27 UB	9.6 J	11.1 UB	41.1	42.9 UB	20 U	20 U	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID / Sample Date / Units in mg/l		LF-1 10/29/20	LF-2 10/29/20	MW-05B 10/27/20	MW-06A 10/28/20	MW-06B 10/28/20	MW-06C 10/28/20	MW-06E 10/28/20	MW-06F 10/28/20	MW-08A 10/27/20	MW-08B 10/27/20	MW-09B 10/27/20	MW-09C 10/27/20	OBS-1 10/27/20
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value													
Alkalinity, Total	---	123	1380	39.0	3.2	676	603	145	1.0 U	12.7	9.9	31.6	48.3	162
Alkalinity,Bicarbonate	---	123	--	39.0	3.2	676	603	145	1.0 U	12.7	9.9	31.6	48.3	162
Alkalinity,Carbonate	---	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloride	250	98.0	***460***	89.5	7.6	230	248	***308***	***358***	41.9	***267***	74.8	114	75.7
Cyanide	0.2	0.004 J	0.0021 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0026 J	0.01 U
Hardness	---	103	216	54.1	8.43	79.4	124	109	164	48.6	76.9	48.4	60.4	78.8
Hexavalent Chromium	0.05	0.020 U	0.020 U	0.020 U	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 U	0.020 U	0.020 U	0.020 U	0.020 UJ
Nitrogen, Ammonia	2	***17.3***	***170***	0.10 U	0.39	***99.3***	***79.5***	***31.1***	0.34	0.083 J	0.10 U	0.43	1.8	***16.2***
Nitrogen, Kjeldahl, Total	---	17.1	149	0.10 U	1.8	121	86.4	35.1	0.10 U	0.10 U	0.17	0.10 U	2.1	18.5
Nitrate	10	0.050 U	0.050 U	5.1	0.26	0.050 U	0.050 U	2.6	5.5	2.9	3.3	6.9	0.49	0.65
Nitrite	1	0.050 U	0.050 U	0.037 J	0.050 U	0.050 U	0.050 U	0.042 J	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Phenolics, Total	0.001	0.005 U	***0.007***	0.005 U	0.005 U	***0.008***	0.0059	***0.005 J***	0.005 U	0.005 U	0.005 U	***0.005 J***	0.005 U	0.005 U
Sulfate	250	34.6	5.0 U	25.6	7.7	5.0 U	14.5	46.5	5.0 U	26.1	30.8	20.1	20.2	22.0
Total Dissolved Solids	---	365	1790	274	53.0	793	849	648	680	134	473	216	286	282

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
J	Estimated detection limit or value
--	No standard or not analyzed
Exceeds NYSDEC Class GA Standard or Guidance Value	

D&B ENGINEERS AND ARCHITECTS, P.C.

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 5/19/21	LF-2 5/19/21	MW-05B 5/17/21	MW-06A 5/18/21	MW-06B 5/18/21	MW-06C 5/18/21	MW-06E 5/18/21	MW-06F 5/18/21	MW-08A 5/17/21	MW-08B 5/17/21	MW-09B 5/17/21	MW-09C 5/17/21	OBS-1 5/17/21
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	***3.1***	1 U	1 U	***4.9***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	***4.5***	1 U	1 U	***5.7***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	3.7	1 U	1 U	***13.4***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***21.9***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	***12.9***	1 U	1 U	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***7.5***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.3	1 U	1.5	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3.8	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	5	28	ND	ND	28.9	ND	ND	ND	32.7	ND	1.5	ND	ND

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
-- No standard
ND Not detected
Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		LF-1	LF-1	LF-2	LF-2	MW-05B	MW-05B	MW-06A	MW-06A	MW-06B	MW-06B	MW-06C	MW-06C	MW-06E
Sample Date		5/19/21	5/19/21	5/19/21	5/19/21	5/17/21	5/17/21	5/18/21	5/18/21	5/18/21	5/18/21	5/18/21	5/18/21	5/18/21
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Units in ug/l														
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	72.5 J	72.1 J	61.8 J	61.9 J	40.9 J	41 J	15.5 J	15 J	66.8 J	68.5 J	29.2 J	28.9 J	179 J
Calcium	--	15900	16400	41500	42500	13100 J	13700 J	1040	979 J	22600	23500	50000	51200	25200
Chromium	50	10 U	10 U	11.2	10.4	10 U	10 U	10 U	10 U	2.3 J	2 J	40.5	4.7 J	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***19900***	***20200***	***10500***	***10400***	100 U	20 U	26.1 J	20 UB	***13600***	***14000***	***5640***	***4970***	***5250***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	11800	12300	30200	30100	5420	5750	954	976 J	21700	22400	11800	12100	11700
Manganese	300 #	***3000***	***2980***	***175***	***176***	***3100 J***	***3140 J***	5.4 J	5.2 J	***49.2***	***49.4***	***156***	***153***	***328***
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	6.9 J	6.6 J	21.9 J	22.1 J	7.9 J	7.2 J	4.8 J	40 U	13 J	13.1 J	150	17.8 J	15.7 J
Potassium	--	10100	9670	166000	156000	10000 J	9700 J	1550 J	1450 J	131000	128000	37800	36100	26200
Sodium	20000	***62400***	***59100 J***	***466000***	***441000 J***	***57300 J***	***55800 J***	5840	5300	***245000***	***238000 J***	***237000***	***223000 J***	***163000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	6.9 UB	20 U	20 U	20 U	20 U	19 J

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		MW-06E	MW-06F	MW-06F	MW-08A	MW-08A	MW-08B	MW-08B	MW-09B	MW-09B	MW-09C	MW-09C	OBS-1	OBS-1
Sample Date		5/18/21	5/18/21	5/18/21	5/17/21	5/17/21	5/17/21	5/17/21	5/17/21	5/17/21	5/17/21	5/17/21	5/17/21	5/17/21
Type:		Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l														
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	200 U	213	229	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	181 J	258	260	79.1 J	80.1 J	40.9 J	42.1 J	81.6 J	85.7 J	61.8 J	63.6 J	37.3 J	38.3 J
Calcium	--	26100	46100	47500	15200	16000	13200	14100	10300	11200	10400	11000	12800	13600
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11.4	2.5 J	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***5190***	34 J	29.5 UB	100 U	20 U	100 U	20 U	***147***	***77.6***	100 U	9.2 UB	***31.9 J***	29.4 UB
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	12200	17800	18600	4660	4960	5450	5910	4640	5130	7870	8500	8840	9490
Manganese	300 #	***330***	130	130	***708***	***727***	***3110***	***3230***	***2060***	***2190***	252	262	***2230***	***2300***
Mercury	0.7	0.2 U	0.16 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	15.2 J	30.6 J	30.8 J	17.5 J	17.1 J	7.8 J	7.6 J	29.3 J	20.9 J	4.6 J	40 U	4.6 J	4.4 J
Potassium	--	25500	10000	9670	8940	8610	10100	9980	8190	8190	11600	11400	21300	21200
Sodium	20000	***156000 J***	***181000***	***172000 J***	***118000***	***115000***	***57400***	***57300***	***45100***	***45000***	***60800***	***60200***	***47700***	***46500***
Zinc	2000	19.4 UB	24.2	26.5 UB	38.1	42.1	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID / Sample Date / Units in mg/l	NYSDEC Class GA Standard or Guidance Value	LF-1 5/19/21	LF-2 5/19/21	MW-05B 5/17/21	MW-06A 5/18/21	MW-06B 5/18/21	MW-06C 5/18/21	MW-06E 5/18/21	MW-06F 5/18/21	MW-08A 5/17/21	MW-08B 5/17/21	MW-09B 5/17/21	MW-09C 5/17/21	OBS-1 5/17/21
LEACHATE INDICATORS														
Alkalinity, Total	---	68.5	1600	34.3 J	2.6	1270	511	88	1.0 U	6.2	33.6	26.8	52.9	158
Alkalinity,Bicarbonate	---	68.5	--	34.3 J	2.6	1270	511	88	1.0 U	6.2	33.6	26.8	52.9	158
Alkalinity,Carbonate	---	1.0 UJ	--	1.0 UJ	1.0 U	5 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Chloride	250	131	***533***	95.5 J	7.5	***256***	***267***	***373***	***525***	250	95.3	82.4	99.1	69
Cyanide	0.2	0.005 UJ	0.0033 J	0.005 U	0.005 UJ	0.0021 J	0.005 UJ	0.005 UJ	0.005 UJ	0.002 J	0.005 U	0.005 U	0.005 U	0.005 U
Hardness	---	88.3	228	55 J	65.3	146	173	111	188	57.1	55.4	44.8	58.4	68.4
Hexavalent Chromium	0.05	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Nitrogen, Ammonia	2	***2.8***	***188***	0.10 U	0.16	***190***	***27.2***	***17.1***	0.17	0.12	0.10 U	0.64	***2.1***	***17.5***
Nitrogen, Kjeldahl, Total	---	2.5 UB	203 J	0.31 UB	1.6 UB	204 J	34.2 J	22.9 J	0.10 U	0.10 UB	0.10 U	0.10 U	2.7 UB	22.4 J
Nitrate	10	0.050 UJ	0.050 UJ	5.5 J	0.46	0.050 U	0.050 U	2.1	4.0	2.6	4.5	4.7	0.25	0.25 U
Nitrite	1	0.037 J	0.050 U	0.038 J	0.050 U	0.050 U	0.050 U	0.031 J	0.03 J	0.050 U	0.032 J	0.050 U	0.050 U	0.050 U
Phenolics, Total	0.001	0.005 UJ	***0.006 J***	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ
Sulfate	250	35.4	5.0 U	20.7	6.6	5.0 U	21	46.5	2.7 UB	31.2	20.7	21.8	23	24.9
Total Dissolved Solids	---	318	1810	250 J	40	1130	888	688	904	412 J	282 J	200 J	264 J	268 J

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 10/29/21	LF-2 10/29/21	MW-05B 10/25/21	MW-06A 10/28/21	MW-06B 10/28/21	MW-06C 10/27/21	MW-06E 10/27/21	MW-06F 10/27/21	MW-08A 10/25/21	MW-08B 10/25/21	MW-09B 10/25/21	MW-09C 10/25/21	OBS-1 10/25/21
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	0.66 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	***3.1***	1 U	1 U	2.4	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	***3.7***	1 U	1 U	***1.5***	***1.8***	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	3.2	1 U	1 U	4.7	4.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***12.9***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	***7.8***	1 U	1 U	2.1	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***5.8***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	***14.9***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1.5	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3.2	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	18.46	22	ND	ND	10.7	9.4	ND	1	21	ND	1.5	ND	ND

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
-- No standard
ND Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID Sample Date Type: Units in ug/l		LF-1 10/29/21 Total	LF-1 10/29/21 Dissolved	LF-2 10/29/21 Total	LF-2 10/29/21 Dissolved	MW-05B 10/25/21 Total	MW-05B 10/25/21 Dissolved	MW-06A 10/28/21 Total	MW-06A 10/28/21 Dissolved	MW-06B 10/28/21 Total	MW-06B 10/28/21 Dissolved	MW-06C 10/27/21 Total	MW-06C 10/27/21 Dissolved	MW-06E 10/27/21 Total
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	226
Barium	1000	83.6 J	75.7 J	67.6 J	65.2 J	42.3 J	39.7 J	17.5 J	15.9 J	35.8 J	35.2 J	132 J	124 J	263 J
Calcium	--	17400	17100	46900	45700	13800 J	13300	1170	1110	12400	12400	21100	19800	47500
Chromium	50	1.7 J	10 U	12.9	11.7	1.3 J	10 U	1.2 J	10 U	3.9 J	1.6 J	1.8 J	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	9.1 J
Iron	300 #	***23100***	***19600 J***	***11200***	***10700 J***	100 U	20 U	174 U	105 U	***7090***	***6870 J***	***8870***	***8030 J***	75.2 U
Lead	25	3.3 J	5 U	2.5 J	5 U	5 U	5 U	5 U	5 U	2.6 J	5 U	5 U	5 U	3.1 J
Magnesium	35000	13200	12800	31900	31000	5580	5360	11500	1070	11500	11400	11200	10500	18400
Manganese	300 #	***3480***	***3190***	***188***	***182***	***3200***	***2990***	8.2 J	7.4 J	***24.7***	***25.9***	***264***	***246***	143
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.11 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.14 U	0.36 U
Nickel	100	9.0 J	8.1 J	23.5 J	22.9 J	8.6 J	8.4 J	5.6 J	5.8 J	12 J	12.7 J	14.3 J	12 J	32.5 J
Potassium	--	11400	11100	183000	182000	10200	10100	1570 J	1610 J	92100	92500	31600	31300	10600
Sodium	20000	***69000***	***65300***	***502000***	***489000***	***59400***	***56900***	6420	6020	***219000***	***215000***	***157000***	***149000 J***	***185000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	5.1 J	11.7 J	9.0 J	29.8

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID Sample Date Type: Units in ug/l		MW-06E 10/27/21 Dissolved	MW-06F 10/27/21 Total	MW-06F 10/27/21 Dissolved	MW-08A 10/25/21 Total	MW-08A 10/25/21 Dissolved	MW-08B 10/25/21 Total	MW-08B 10/25/21 Dissolved	MW-09B 10/25/21 Total	MW-09B 10/25/21 Dissolved	MW-09C 10/25/21 Total	MW-09C 10/25/21 Dissolved	OBS-1 10/25/21 Total	OBS-1 10/25/21 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value													
Aluminum	--	217	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	252 J	33.6 J	30.9 J	62.9 J	58.5 J	77.5 J	72.3 J	108 J	95 J	71 J	64.7 J	39.2 J	37.2 J
Calcium	--	45500	46900	43500	9920	9650	16300	15200	13500	12300	12700	11600	13500	12500
Chromium	50	10 U	2.6 J	10 U	10 U	10 U	1.4 J	10 U	1.6 J	10 U	10 U	10 U	1.6 J	10 U
Copper	200	8.0 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	47.4 U	***5110***	***4570 J***	100 U	20 U	25.4 U	20 U	100 U	20 U	100 U	8.9 U	30.2 U	24.4 U
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3.2 J	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	17500	13400	12500	5280	4860	4870	4540	5770	5260	8390	7660	8570	7730
Manganese	300 #	133	***111***	***102***	133	119	***656***	***612***	***3170***	***2720***	307	280	***2350***	***2140***
Mercury	0.7	0.15 U	0.14 U	0.14 U	0.12 UJ	***2.5 J***	0.14 U	0.20 U	0.16 U	0.18 U	0.10 U	0.19 U	0.12 U	0.20 U
Nickel	100	31.4 J	13.8 J	13.1 J	9.0 J	8.4 J	18.4 J	17 J	7.3 J	40 U	5.8 J	5.3 J	6.6 J	5.0 J
Potassium	--	10600	74600	71500	5820	5600	9050	8780	9660	9130	12400	11700	21500	19800
Sodium	20000	***178000***	***261000***	***244000***	***22900***	***21700***	***121000***	***113000***	***50400***	***46200***	***65400***	***60100***	***51400***	***47500***
Zinc	2000	27.4	20 U	20 U	20 U	8.4 J	35.7	31.4 U	20 U	20 U	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
--	No standard
Exceeds NYSDEC Class GA Standard or Guidance Value	

D&B ENGINEERS AND ARCHITECTS

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID / Sample Date / Units in mg/l		LF-1 10/29/21	LF-2 10/29/21	MW-05B 10/25/21	MW-06A 10/28/21	MW-06B 10/28/21	MW-06C 10/27/21	MW-06E 10/27/21	MW-06F 10/27/21	MW-08A 10/25/21	MW-08B 10/25/21	MW-09B 10/25/21	MW-09C 10/25/21	OBS-1 10/25/21
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value													
Alkalinity, Total	---	85.6	1490	33.6 J	4.2	689	126	1.0 U	772	10.5	8	29.7	55.7	146
Alkalinity,Bicarbonate	---	85.6	--	33.6 J	4.2	689	126	1.0 U	772	10.5	8	29.7	55.7	146
Alkalinity,Carbonate	---	1.0 U	--	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloride	250	109 J	***459 J***	107 J	8.7 J	241 J	231 J	***461 J***	38.6 J	42.7 J	220 J	73.6 J	113 J	56.7 J
Cyanide	0.2	0.0085 J	0.0128	0.0077	0.01 U	0.01 U	0.005 U	0.0072 J	0.009 J	0.008 J	0.0075 J	0.008	0.0086 J	0.01 U
Hardness	---	97.8	248	57.4 J	7.66	78.3	98.8	194	172	46.5	60.8	57.5	66.3	69
Hexavalent Chromium	0.05	0.020 UJ	0.020 UJ	0.020 U	0.02 UJ	0.020 UJ	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U	0.020 U	0.020 U	0.020 U
Nitrogen, Ammonia	2	***3.8***	***189***	0.10 U	0.92	***110***	***27***	0.65	***85.4***	0.52	0.10	0.44	***2.4***	***16.4***
Nitrogen, Kjeldahl, Total	---	4.2 J	204 J	0.12 UBJ	1 UBJ	121 J	29 J	0.1 UJ	89.1 J	0.1 UJ	0.1 UJ	0.10 UJ	3 J	16.9 J
Nitrate	10	0.050 U	0.050 U	3.7	0.24 UB	0.046 J	1.2	3.4	0.050 U	1.7	2.4	4.1	0.12 UB	0.22 UB
Nitrite	1	0.029 J	0.050 U	0.034 J	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.005 U	***0.0054***	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sulfate	250	32.7	5.0 U	23.5 J	6.7	0.15 J	45.7 J	0.29 J	8 J	26.8 J	27.8 J	19.4 J	22.9 J	19.9 J
Total Dissolved Solids	500	284	***1610***	222	22	***796***	***536***	***860***	***920***	108	380	205	216	190

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 5/12/22	LF-2 5/12/22	MW-05B 5/5/22	MW-06A 5/11/22	MW-06B 5/11/22	MW-06C 5/10/22	MW-06E 5/12/22	MW-06F 5/11/22	MW-08A 5/10/22	MW-08B 5/10/22	MW-09B 5/5/22	MW-09C 5/5/22	OBS-1 5/5/22
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	***3.2***	1 U	1 U	***3.8***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	***2.8***	1 U	1 U	***3.6***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	3.5	1 U	1 U	***12.9***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1.3 UB	1 U	1 U	1.1 UB	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***11.5***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	***8.6***	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***6.4***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	***22.3***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	2.7 J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	26.6	20.8	ND	ND	23.6	ND	ND	ND	19.7	ND	ND	ND	ND

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
UB Non-detect based on blank results
-- No standard
ND Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 5/12/22 Total	LF-1 5/12/22 Dissolved	LF-2 5/12/22 Total	LF-2 5/12/22 Dissolved	MW-05B 5/5/22 Total	MW-05B 5/5/22 Dissolved	MW-06A 5/11/22 Total	MW-06A 5/11/22 Dissolved	MW-06B 5/11/22 Total	MW-06B 5/11/22 Dissolved	MW-06C 5/10/22 Total	MW-06C 5/10/22 Dissolved	MW-06E 5/12/22 Total	MW-06E 5/12/22 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value														
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	235	200 U	200 U	200 U
Barium	1000	84.7 J	93.7 UB	67.9 J	74.9 UB	34.4 J	36 UB	16.8 J	19.9 UB	63.5 J	76 UB	29.8 J	35.7 UB	169 J	191 J
Calcium	--	15400	16900 UB	46700	51600 UB	10600	11200 UB	1240	1410 UB	23400	27100 UB	52200	93000 UB	24600	27600 UB
Chromium	50	10 U	7.8 J	11.3	12.6	1.1 J	10 U	10 U	10 U	1.7 J	10 U	8.6 J	10 U	10 U	10 U
Copper	200	3.8 J	25 U	6.2 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	9 UB	25 U	25 U
Iron	300 #	***22400***	***23900***	***11300***	***12100***	100 U	20 U	100 U	16.4 UB	***14200***	***16100***	***5420***	***3940***	***7860***	***8390***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	10700	11800 UB	29100	31700 UB	4460	4580 UB	1290	1440 UB	23900	26900 UB	11800	24800 UB	12400	13900 UB
Manganese	300 #	***3330***	***3590***	***175***	190 UB	***2510***	***2600***	5.1 J	6.1 UB	***43.2***	49.6 UB	***186***	139 UB	***316***	348 UB
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	7.9 J	9.2 UB	25.8 J	29.2 UB	10.1 J	8.4 UB	4.9 J	10.5 UB	11.6 J	12.4 UB	14.2 J	15.8 UB	15.2 J	17.6 UB
Potassium	--	14400	16000 UB	194000	223000	8880	9140 UB	1520 J	1770 UB	118000	143000	46400 J	36700	29100	33600 UB
Sodium	20000	***77700***	89200 UBJ	***515000***	587000 UBJ	***57000***	60300 UB	6310	8160 UBJ	***195000***	247000 UBJ	***263000***	200000 UBJ	***167000***	197000 UBJ
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	15.3 J	20 U	20 U	20 U	30.2	15.4 J

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		MW-06F	MW-06F	MW-08A	MW-08A	MW-08B	MW-08B	MW-09B	MW-09B	MW-09C	MW-09C	OBS-1	OBS-1
Sample Date		5/11/22	5/11/22	5/10/22	5/10/22	5/10/22	5/10/22	5/5/22	5/5/22	5/5/22	5/5/22	5/5/22	5/5/22
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l													
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	193 J	251	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	277	316	63.7 J	58.9 UB	66.7 J	65.7 UB	104 J	105 UB	69.4 J	70.2 UB	33.1 J	34.4 UB
Calcium	--	50700	56100 UB	11100	9520 UB	13400	13300 UB	13000	13300 UB	12300	12300 UB	11600	12100 UB
Chromium	50	10 U	10 U	10 U	10 U	1.2 J	10 U	1.4 J	10 U	10 U	10 U	10 U	10 U
Copper	200	5.8 J	25 U	5.4 J	25 U	25 U	25 U	25 U	25 U	3.9 J	25 U	25 U	25 U
Iron	300 #	160	51.2 UB	100 U	20 U	100 U	20 U	100 U	20 U	100 U	8.4 UB	36 UB	24.6 UB
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	19800	21600 UB	4820	4480 UB	4100	3970 UB	5890	5850 UB	7680	7570 UB	7180	7290 UB
Manganese	300 #	145	162 UB	126	115 UB	***579***	563 UB	***2960***	***2970***	***325***	324 UB	***2170***	***2230***
Mercury	0.7	***1.2***	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	32.4 J	37.7 UB	9.5 J	8.6 UB	17.7 J	15.9 UB	5.4 J	4.9 UB	6.4 J	5.9 UB	5.9 J	5.5 UB
Potassium	--	11200	13400 UB	6840	6070 UB	8200	7970 UB	9830	9710 UB	12200	11900 UB	18000	18200 UB
Sodium	20000	***181000***	231000 UBJ	***24500***	22100 UB	***101000***	101000 UB	***55800***	57000 UB	***62900***	63900 UB	***41700***	43700 UB
Zinc	2000	26.3	28.4	12.8 J	9.8 J	31.2	30.5	20 U	20 U	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Non-detect based on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID Sample Date Units in mg/l		LF-1 5/12/22	LF-2 5/12/22	MW-05B 5/5/22	MW-06A 5/11/22	MW-06B 5/11/22	MW-06C 5/10/22	MW-06E 5/12/22	MW-06F 5/11/22	MW-08A 5/10/22	MW-08B 5/10/22	MW-09B 5/5/22	MW-09C 5/5/22	OBS-1 5/5/22
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value													
Alkalinity, Total	---	54.6	1580	37.9	4	981	532	81.6	1 U	16.2	6.5	30.1	57.5	126
Alkalinity,Bicarbonate	---	54.6	--	37.9	4	981	532	81.6	1 U	16.2	6.5	30.1	57.5	126
Alkalinity,Carbonate	---	1 UJ	--	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U
Chloride	250	123	***446***	80.1	8.4	126	224	***277***	***344***	39.3	115	61.9	72.5	52.9
Cyanide	0.2	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ
Hardness	---	82500	236000	44800	8410	157000	179000	112000	208000	47600	50300	56700	62300	58500
Hexavalent Chromium	0.05	0.02 UJ	0.02 UJ	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 UJ	0.02 UJ
Nitrogen, Ammonia	2	0.37	***675***	0.061 J	0.092 J	***165***	***35.8***	***15.7***	0.2	0.1 U	0.067 J	0.47	***3***	***12.3***
Nitrogen, Kjeldahl, Total	---	1.1 UB	169	0.18 UB	2 UB	150	35.4	17.2	0.1 U	0.1 U	0.1 U	0.1 U	3.4	12.8
Nitrate	10	0.05 UJ	0.05 UJ	2.1	0.32 J	0.05 UJ	0.05 UJ	1.5 J	4.2 J	1.9 J	2.4 J	4 J	0.092 UB	0.12 UB
Nitrite	1	0.048 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.005 U	***0.017***	0.005 U	***0.01***	***0.018***	***0.012***	0.005 U	***0.006***	0.005 U	***0.005 J***	0.005 U	0.005 U	0.005 U
Sulfate	250	33.3	0.19 UB	21.3	7.1	0.63 UB	10.8	43	0.27 UB	33	23.6	19.1	22.2	20.9
Total Dissolved Solids	500	304	***1860***	268	46	***794***	***950***	***647***	***737***	188	391	234	294	266

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
--	No standard or not analyzed
Exceeds NYSDEC Class GA Standard or Guidance Value	

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 11/1/22	LF-2 10/28/22	MW-05B 10/27/22	MW-06A 10/31/22	MW-06B 11/1/22	MW-06C 10/31/22	MW-06E 11/1/22	MW-06F 10/31/22	MW-08A 10/27/22	MW-08B 10/27/22	MW-09B 10/26/22	MW-09C 10/26/22	OBS-1 10/25/22
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	***3.8***	1.2	1.1	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	1 U	1 U	1 U	***2.1***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	***17.4***	1.9	2.7	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***6.6***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1 U	1 U	1 U	1.2	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***7.0***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	***8.4***	1 U	1 U	***7.7***	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	9.5	ND	ND	7.7	29.5	4.6	3.8	ND	16	ND	ND	ND	ND

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated limit
-- No standard
ND Not detected
Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 11/1/22 Total	LF-1 11/1/22 Dissolved	LF-2 10/28/22 Total	LF-2 10/28/22 Dissolved	MW-05B 10/27/22 Total	MW-05B 10/27/22 Dissolved	MW-06A 10/31/22 Total	MW-06A 10/31/22 Dissolved	MW-06B 11/1/22 Total	MW-06B 11/1/22 Dissolved	MW-06C 10/31/22 Total	MW-06C 10/31/22 Dissolved	MW-06E 11/1/22 Total	MW-06E 11/1/22 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value														
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	72.7 J	69.1 J	53.7 J	55.8 J	40.7 J	40.8 J	49.1 J	43.7 J	80.4 J	73.6 J	36.5 J	24.1 J	134 J	126 J
Calcium	--	12300	11800	48100	50100	12200	12600	3530	3510	29600	26800	63000	56400	21800	20300
Chromium	50	10 U	10 U	4.3 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***16000***	***15200***	***10500***	***11300***	100 U	8.4 UB	224	170	***19400***	***17400***	***6890***	***3250***	***15800***	***15000***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	8340	7800	29400	29500	4960	5100	3640	3560	32600	28500	14800	13400	14800	13700
Manganese	300 #	***2640***	***2330***	***183***	***190***	***2660***	***2640***	19	17.5	***57.9***	***48***	***188***	***105***	***263***	***228***
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	10.6 J	7.5 J	12.3 J	11.2 J	8.7 J	7.7 J	10 J	6.6 J	6.8 J	6.1 J	16 J	13.4 J	16.1 J	11.9 J
Potassium	--	12300	11400	88200	92500	9010	9380	2750 J	2790 J	107000	88600	56200 J	53300	33300	29400
Sodium	20000	***77200***	***72800***	***295000***	***311000***	***57000***	***59400***	13200	12600	***117000***	***107000***	***265000***	***240000***	***142000***	***133000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	5.2 J

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	MW-06F 10/31/22 Total	MW-06F 10/31/22 Dissolved	MW-08A 10/27/22 Total	MW-08A 10/27/22 Dissolved	MW-08B 10/27/22 Total	MW-08B 10/27/22 Dissolved	MW-09B 10/26/22 Total	MW-09B 10/26/22 Dissolved	MW-09C 10/26/22 Total	MW-09C 10/26/22 Dissolved	OBS-1 10/25/22 Total	OBS-1 10/25/22 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	237	154 J	73.2 J	56.4 J	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	255	241 J	53 J	55 J	59.8 J	59 J	83.7 J	85.3 J	59.4 J	61.6 J	33.1 J	33.4 J
Calcium	--	44400	43400	4330	4680	14000	14400	11700	11800	10700	11000	11200	11200
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	1.3 J	10 U	1.3 J	10 U	10 U	10 U
Copper	200	6.8 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	77.9 J	19.6 UB	27.6 J	27.6 UB	100 U	20 U	***21.8 J***	27.6 UB	38.1 J	29.3 UB	***23.9 J***	20.4 UB
Lead	25	3.6 J	5 U	5 U	5 U	5 U	5 U	3.6 UB	5 U	2.4 UB	5 U	5 U	5 U
Magnesium	35000	17400	16800	4290	4510	3960	4020	5890	5820	6800	6820	6750	6820
Manganese	300 #	143	129	98	96.8	***496***	***489***	***2330***	***2410***	241	248	***2100***	***2120***
Mercury	0.7	0.38	0.11 J	0.2 U	0.2 U	0.2 U	0.1 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.091 J
Nickel	100	38.2 J	30.8 J	10.1 J	9.5 J	14.5 J	13.3 J	5.8 J	5 J	6.2 J	6.8 J	4.5 J	40 U
Potassium	--	10400 J	10400	3820 J	4190 J	7720	7890	9200	9490	9890	10300	17100 J	17100
Sodium	20000	***182000***	***168000***	14400	16000	***96100***	***97000***	***54300***	***58500***	***56600***	***61000***	***43600***	***41900***
Zinc	2000	27.2	24.2	11.8 J	14.3 J	24.1	24.5	20 U	20 U	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Units in mg/l	Sample ID Sample Date	LF-1 11/1/22	LF-2 10/28/22	MW-05B 10/27/22	MW-06A 10/31/22	MW-06B 11/1/22	MW-06C 10/31/22	MW-06E 11/1/22	MW-06F 10/31/22	MW-08A 10/27/22	MW-08B 10/27/22	MW-09B 10/26/22	MW-09C 10/26/22	OBS-1 10/25/22
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value													
Alkalinity, Total	---	54.8	1130	40.6	3.6	1000	664	193	1.0 U	3.0	12.0	43.4	52.9	130
Alkalinity,Bicarbonate	---	54.8	1130	40.6	3.6	1000	664	193	1.0 U	3.0	12.0	43.4	52.9	130
Alkalinity,Carbonate	---	1.0 U	5.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloride	250	132	248 J	98.9 J	29.4	71.6	***281***	***257***	***443***	29.1 J	179 J	101	105	62.5
Cyanide	0.2	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Hardness	---	65.1	241	50.9	23.8	208	218	115	183	28.5	51.3	53.5	54.7	55.8
Hexavalent Chromium	0.05	0.020 UJ	0.020 U	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 UJ	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Nitrogen, Ammonia	2	0.17 UB	***81.3***	0.10 U	0.17 UB	***124***	***53.2***	***22.6***	0.17 UB	0.10 U	0.071 UB	0.81	1.3	***12.3***
Nitrogen, Kjeldahl, Total	---	0.39	85.6	0.12	0.10 U	124	55.0 J	25.0	0.11	0.10 U	0.10 U	0.39	1.7	13.0
Nitrate	10	0.050 U	0.050 U	3.5	1.1	0.050 U	0.050 U	2.1	4.0	1.5	2.5	2.9	0.57	0.35
Nitrite	1	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Phenolics, Total	0.001	0.0055 U	***0.0157***	***0.0038 J***	***0.003 J***	***0.0089***	***0.0042 J***	***0.0034 J***	0.0055 U	0.0055 U	***0.0047 J***	0.0055 U	***0.0047 J***	0.0055 U
Sulfate	250	33.2	53.6	20.0 J	5.8 J	5.0 U	5.3 J	42.5	5.0 UB	22.7 J	27.7 J	21.7 J	20.9 J	18.4 J
Total Dissolved Solids	500	388 J	***1240 J***	261 J	94.0	***682 J***	***900***	***612 J***	***774***	128 J	349 J	261 J	266 J	219 J

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 5/10/23	LF-2 5/10/23	MW-05B 5/1/23	MW-06A 5/9/23	MW-06B 5/5/23	MW-06C 5/9/23	MW-06E 5/9/23	MW-06F 5/9/23	MW-08A 5/5/23	MW-08B 5/5/23	MW-09B 5/1/23	MW-09C 5/1/23	OBS-1 5/1/23
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1.1	1 U	1 U	***4.6***	1.6	1	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	0.75 J	1 U	1 U	***3.3***	0.57 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1.1	1 U	1 U	***17.9***	1.9	3.2	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1.3	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***11.5***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1.2	1 U	1 U	1.7	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***5.5***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	ND	3.4	ND	1.5	29	5.7	4.2	1.1	19.7	ND	ND	ND	ND

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated limit
--	No standard
ND	Not detected

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		LF-1	LF-1	LF-2	LF-2	MW-05B	MW-05B	MW-06A	MW-06A	MW-06B	MW-06B	MW-06C	MW-06C	MW-06E	MW-06E
Sample Date		5/10/23	5/10/23	5/10/23	5/10/23	5/1/23	5/1/23	5/9/23	5/9/23	5/5/23	5/5/23	5/9/23	5/9/23	5/9/23	5/9/23
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l															
METALS	NYSDEC Class GA Standard or Guidance Value														
Aluminum	--	200 U	48.2 UB	74.6 J	83.6 UB	37.2 UB	200 U	200 U	38.7 UB	43.8 J	36 UB	53.3 J	82.3 UB	58.6 J	57.2 UB
Barium	1000	54.5 J	55.8 J	69 J	63.5 J	40.8 J	40.5 J	23.1 J	22 J	83.1 J	80.6 J	32.8 J	33.3 J	112 J	112 J
Calcium	--	9680	10100	56500	52800	11600	12000	1750	1680	30600	29500 J	55400	59100	18600	19300
Chromium	50	10 U	10 U	3.6 J	3.3 J	10 U	10 U	10 U	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	***11200***	***11700***	***13400***	***12700***	100 U	20 U	100 U	8 J	***20900***	***19800 J***	***6460***	***6990***	***14000***	***14700***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	6150	6390	31700	29300	4780	4830	1610	1610	30900	28900	13200	13500	13500	13800
Manganese	300 #	***1710***	***1810***	***220***	***210***	***2460***	***2400***	9.5 J	9.2 J	***51.3***	***49 J***	***150***	***162***	***192***	***203***
Mercury	0.7	--	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40 U	4.3 J	10.6 J	9.2 J	7.3 J	40 U	5.8 J	4.4 J	5.7 J	6.3 J	19.9 UB	13 J	17.5 UB	8.6 J
Potassium	--	10800	10900	93600	93100	8680	9220	2460 J	1780 UB	102000	97300	55400	56400	29600	29800
Sodium	20000	***60300***	***63400***	***331000***	***317000***	***57100***	***58700***	7110	7210	***109000***	***98700***	***246000 J***	***274000***	***126000 J***	***136000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	5 J	20 UJ	20 U	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID		MW-06F	MW-06F	MW-08A	MW-08A	MW-08B	MW-08B	MW-09B	MW-09B	MW-09C	MW-09C	OBS-1	OBS-1
Sample Date		5/9/23	5/9/23	5/5/23	5/5/23	5/5/23	5/5/23	5/1/23	5/1/23	5/1/23	5/1/23	5/1/23	5/1/23
Type:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units in ug/l													
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	233	260	56.7 J	52.4 UB	200 U	41.8 UB	33.9 UB	200 U	32.3 UB	200 U	35 UB	200 U
Barium	1000	257	252	69.2 J	64.8 J	67 J	63.9 J	82.4 J	83.2 J	57.5 J	57.6 J	31.3 J	32.4 J
Calcium	--	44000	44800	7480	7420 J	14300	13900 J	11000	11600	9250	9680	10700	11600
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	3.9 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300 #	100 U	8.5 J	100 U	20 U	100 U	20 U	100 U	20 U	100 U	20 U	***23.7 J***	***23.5***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	17000	17100	5130	4720	4120	3930	5420	5490	5850	6050	6760	7060
Manganese	300 #	141	144	135	118 J	***554***	***535 J***	***2000***	***2000***	232	243	***2270***	***2330***
Mercury	0.7	0.26	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	30.6 J	30.3 J	9.4 J	10.2 J	16.2 J	16.2 J	40 U	40 U	5.3 J	40 U	40 U	40 U
Potassium	--	10400	10200	5870	5520	7830	7660	9160	9660	9870	10800	17000	18400
Sodium	20000	***180000***	***183000***	19200	17700	***91800***	***89900***	***54800***	***56100***	***55900***	***59400***	***40100***	***42300***
Zinc	2000	24.6	23.6	9.9 J	7.7 J	26.9	26.9 J	20 U	20 U	20 U	20 U	20 U	20 U

Footnotes/Qualifiers:

ug/l	Micrograms per liter
#	Standard for total iron and manganese is 500 ug/l
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID Sample Date Units in mg/l		LF-1 5/10/23	LF-2 5/10/23	MW-05B 5/1/23	MW-06A 5/9/23	MW-06B 5/5/23	MW-06C 5/9/23	MW-06E 5/9/23	MW-06F 5/9/23	MW-08A 5/5/23	MW-08B 5/5/23	MW-09B 5/1/23	MW-09C 5/1/23	OBS-1 5/1/23
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value													
Alkalinity, Total	---	57.4	1100	42.5	2.1 J	1020	708	217	1 U	33.5	9.2	48.8	94.5	163
Alkalinity,Bicarbonate	---	57.4	1100	42.5	2.1 J	1020	708	217	1 U	33.5	9.2	48.8	94.5	163
Alkalinity,Carbonate	---	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
Chloride	250	99.4	240	102	10.1	69	***267***	211	***426***	30.5	173	101	104	54.8
Cyanide	0.2	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Hardness	---	49.5	272	48.6	11	204	193	102	180	39.8	52.7	49.8	47.2	54.6
Hexavalent Chromium	0.05	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 UJ	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nitrogen, Ammonia	2	0.11	***72.9***	0.1 U	0.1 U	***160 J***	***56.4***	***26.5***	0.17	0.1 U	0.06 J	1	1.3	***12.8***
Nitrogen, Kjeldahl, Total	---	0.74	85.3	0.1 U	0.23	110	49.7	23.2	0.89	0.18	0.1 U	0.72	1.7	12.8
Nitrate	10	0.05 UJ	0.05 UJ	0.5 U	0.4 J	0.05 UJ	0.05 UJ	1.9 J	4.1 J	1.4 J	2.3 J	0.64	1.5	0.17
Nitrite	1	0.028 J	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.0055 U	0.0055 U	0.005 U	0.0055 U	***0.0278***	***0.0151***	***0.0037***	0.005 U	0.005 U	***0.0034 J***	***0.0028 J***	0.0050 U	0.005 U
Sulfate	250	21.9	31.8	20.1	6.7	0.94 UB	1.7 J	40.6	0.23 UB	29.9	26.2	19	18.9	19.1
Total Dissolved Solids	500	264 J	***690 J***	266 J	29	***594***	***950***	496	***692***	115	394	262 J	256 J	202 J

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 10/11/23	LF-2 10/11/23	MW-05B 10/10/23	MW-06B 10/12/23	MW-06C 10/12/23	MW-06E 10/12/23	MW-06F 10/12/23	MW-08A 10/11/23	MW-08B 10/11/23	MW-09B 10/10/23	MW-09C 10/10/23	OBS-1 10/10/23
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value												
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	2	1 UJ	2	2	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ
Benzene	1	1 U	1.2	1 U	1 U	***1.7***	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	2.4	1 UJ	1 U	***5.4***	1.4	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1.5	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	2.2	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.4	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	2.8	7.8	ND	2	11.7	1.4	1.1	5.9	ND	ND	ND	ND

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated limit
-- No standard
ND Not detected
Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 10/11/23 Total	LF-1 10/11/23 Dissolved	LF-2 10/11/23 Total	LF-2 10/11/23 Dissolved	MW-05B 10/10/23 Total	MW-05B 10/10/23 Dissolved	MW-06B 10/12/23 Total	MW-06B 10/12/23 Dissolved	MW-06C 10/12/23 Total	MW-06C 10/12/23 Dissolved	MW-06E 10/12/23 Total	MW-06E 10/12/23 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	200 U	200 U	56.9 UB	58.2 J	200 U	200 U	200 U	200 U	49.4 J	37.8 J	32.4 J	200 U
Barium	1000	89.3 J	91 J	62.4 J	64.2 J	42.3 J	45.5 J	45.2 J	40.9 J	37.9 J	33.8 J	121 J	108 J
Calcium	--	15100	13900	51400	47000	11400	12700	18500	15800	50800	42300	20300	17100
Chromium	50	10 U	10 U	6.2 J	7.3 J	10 U	10 U	10 U	10 U	10 U	1.5 J	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300	***9420***	***16600***	***9650***	***10300***	100 U	20 U	***12100***	***10100***	***7070***	***5920***	***17700***	***14600***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	9920	10000	28100	27400	5050	5280	17700	16100	19800	17400	15300	13800
Manganese	300	***2530***	***2480***	184	182	***2260***	***2430***	30.7	26.2	119	103	207	178
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	7.5 J	7.9 J	15.8 J	16.7 J	8.1 J	8.1 J	40 U	4.6 J	12.2 J	13.5 J	7.6 J	10.2 J
Potassium	--	15900	14600	122000	114000	9030	10100	52000	47300	89900	79900	29800	27000
Sodium	20000	***76700***	***76800***	***386000***	***352000***	***53700***	***60900***	***90800***	***77000***	***291000***	***243000***	***152000***	***127000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	5.7 J
Iron & Manganese	500	***11950***	***19080***	***9834***	***10482***	***2260***	***2430***	***12131***	***10126***	***7189***	***6023***	***17907***	***14778***

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	MW-06F 10/12/23 Total	MW-06F 10/12/23 Dissolved	MW-08A 10/11/23 Total	MW-08A 10/11/23 Dissolved	MW-08B 10/11/23 Total	MW-08B 10/11/23 Dissolved	MW-09B 10/10/23 Total	MW-09B 10/10/23 Dissolved	MW-09C 10/10/23 Total	MW-09C 10/10/23 Dissolved	OBS-1 10/10/23 Total	OBS-1 10/10/23 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	272	219	55.6 J	37.8 J	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	304	266	45.2 J	46.4 J	71.5 J	69.7 J	87.2 J	96.2 J	63.1 J	69.1 J	30.6 J	33.2 J
Calcium	--	52400	43500	3070	3110	17600	16300	10600	12000	10100	11300	9960	11000
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	5.9 J	6.1 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300	28.9 J	8.2 J	100 U	20 U	100 U	20 U	100 U	20 U	100 U	20 U	100 U	16.3 J
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	20500	18400	3570	3640	4680	4750	5110	5420	6440	6790	6680	6950
Manganese	300	170	143	78.1	80	***559***	***544***	***2530***	***2800***	245	270	***2190***	***2350***
Mercury	0.7	0.25	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	35.6 J	31.9 J	9.6 J	9.7 J	16.5 J	16.7 J	40 U	5.1 J	5 J	4.9 J	5.1 J	5.7 J
Potassium	--	12300	11200	3780 J	3750 J	9910	8580	8420	9580	10200	11500	15900	17700
Sodium	20000	***211000***	***174000***	10100	9890	***107000***	***104000***	***53400***	***61500***	***55100***	***62500***	***36300***	***41200***
Zinc	2000	30.7	27.9	14.3 J	15 J	25.8	25.7	20 U	20 U	20 U	20 U	20 U	20 U
Iron & Manganese	500	198.9	151.2	78.1	80	***559***	***544***	***2530***	***2800***	245	270	***2190***	***2366***

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID Sample Date Units in mg/l		LF-1 10/11/23	LF-2 10/11/23	MW-05B 10/10/23	MW-06B 10/12/23	MW-06C 10/12/23	MW-06E 10/12/23	MW-06F 10/12/23	MW-08A 10/11/23	MW-08B 10/11/23	MW-09B 10/10/23	MW-09C 10/10/23	OBS-1 10/10/23
LEACHATE INDICATORS	NYSDEC Class GA Standard or Guidance Value												
Alkalinity, Total	---	53.4	1140	30.2	406 J	811 J	142 J	1 UJ	2.5	20.6	33.3	54.9	141
Alkalinity,Bicarbonate	---	53.4	1140	30.2	406	811	142	1 U	2.5	20.6	33.3	54.9	141
Alkalinity,Carbonate	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloride	250	149	***321***	94	77.8	245	239	***453***	22.5	181	94.9	97.6	43.4
Cyanide	0.2	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Hardness	---	78.6	244	49.3	119	208	114	215	22.4	63.2	47.5	51.7	52.4
Hexavalent Chromium	0.05	0.02 U	0.02 U	0.02 U	0.038 J	0.049 J	***0.058 J***	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ
Nitrogen, Ammonia	2	***2.3***	***102***	0.1 U	***64.8***	***93.5***	***19.9***	0.26	0.1 U	0.13	0.3	1.7	***10.5***
Nitrogen, Kjeldahl, Total	---	2.7 J	95.5 J	0.3 J	45.4 J	74.6 J	17.5 J	0.1 UJ	0.12 J	0.1 UJ	0.31 J	0.85 J	11.3 J
Nitrate	10	0.05 U	0.05 U	4.1	0.05 U	0.05 U	0.76	3.5	0.46	2.3	3.6	0.26	0.14
Nitrite	1	0.056	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Phenolics, Total	0.001	0.01 UJ	0.0084 UJB	0.01 U	0.0078 UB	0.0336 UB	0.0099 UB	0.0092 UB	***0.104 J***	0.0100 UJ	0.01 U	0.0100 U	0.0092 UB
Sulfate	250	25.4	8.2	18.2	6.8 J	2 J	59.3 J	0.93 J	16.3	29.6	19.3	20.2	19.1
Total Dissolved Solids	500	372	***1540***	246	476	***1860***	***550***	***830***	75	374	239	267	232

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
--	No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 1
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Volatile Organic Compounds

Units in ug/l	Sample ID Sample Date	LF-1 11/4/24	LF-2 11/4/24	MW-05B 10/29/24	MW-06A 11/1/24	MW-06B 11/1/24	MW-06C 11/1/24	MW-06E 11/5/24	MW-06F 11/5/24	MW-08A 10/31/24	MW-08B 10/31/24	MW-09B 10/29/24	MW-09C 10/29/24	OBS-1 10/31/24
VOLATILE COMPOUNDS	NYSDEC Class GA Standard or Guidance Value													
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	2.6	1 U	1 U	3	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	1 U	***2.3***	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	2.6	1 U	1 U	***11.5***	2.1	1.4	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1.1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***11.1***	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	4.1	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene(PCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	***7.1***	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	5	2 U	1.2 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5	3 U	1.2 J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Total Volatile Compounds	--	ND	12.8	ND	ND	14.5	5.4	1.4	1	19.3	ND	ND	ND	ND

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated limit or value
-- No standard
ND Not detected
Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	LF-1 11/4/24 Total	LF-1 11/4/24 Dissolved	LF-2 11/4/24 Total	LF-2 11/4/24 Dissolved	MW-05B 10/29/24 Total	MW-05B 10/29/24 Dissolved	MW-06A 11/1/24 Total	MW-06A 11/1/24 Dissolved	MW-06B 11/1/24 Total	MW-06B 11/1/24 Dissolved	MW-06C 11/1/24 Total	MW-06C 11/1/24 Dissolved	MW-06E 11/5/24 Total	MW-06E 11/5/24 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value														
Aluminum	--	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	96.1 J	97.1 J	58.1 J	61.1 J	72.6 J	71 J	21 J	21.3	79.5 J	83.8 J	31.8 J	33.4 J	103 J	103 J
Calcium	--	19300	20000	41100	44100	21300	21200	1510	1570	32700	35200	51500	55500	18300	17900
Chromium	50	10 U	10 U	9.4 J	9.8 J	10 U	10 U	10 U	10 U	10 U	10 U	1.5J U	1.5 J	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300	***17400***	***18200***	***8900***	***9690***	100 U	100 U	58.3 U	53.9 U	***25700***	***27700***	***6920***	***7490***	***24300***	***24200***
Lead	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	12600	12900	22000	22600	8850	8820	1510	1560	31900	33400	13500	14100	13000	13100
Manganese	300	***2510***	***2520***	130	137	***3620***	***3590***	7.8 J	8 J	71.3	74.2	137	143	189	191
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	9.5 J	8.7 J	21.8 J	22.7 J	11 J	11.3 J	40 U	40 U	40 U	40 U	16.3 J	16.4 J	11 J	11.2 J
Potassium	--	13800	12800	150000	155000	12200	11700	2640 UB	1600 J	53500	55200	60000	61300	19700	20400
Sodium	20000	***95200***	***94400***	***430000***	***438000***	***81500***	***81100***	9260	9240	***97000***	***99900***	***264000***	***270000***	***141000***	***149000***
Zinc	2000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	8.7 UB	8.6 J
Iron & Manganese	500	***19910***	***20720***	***9030***	***9827***	***3620***	***3590***	7.8	8	***25771***	***27774***	***7057***	***7633***	***24489***	***24391***

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS

Table 2
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Total and Dissolved Metals

Units in ug/l	Sample ID Sample Date Type:	MW-06F 11/5/24 Total	MW-06F 11/5/24 Dissolved	MW-08A 10/31/24 Total	MW-08A 10/31/24 Dissolved	MW-08B 10/31/24 Total	MW-08B 10/31/24 Dissolved	MW-09B 10/29/24 Total	MW-09B 10/29/24 Dissolved	MW-09C 10/29/24 Total	MW-09C 10/29/24 Dissolved	OBS-1 10/31/24 Total	OBS-1 10/31/24 Dissolved
METALS	NYSDEC Class GA Standard or Guidance Value												
Aluminum	--	266	240	71.7 J	70.1 J	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Barium	1000	317	301	80.3 J	82.9 J	81 J	82.4 J	100 J	99.8 J	73.2 J	72.3 J	40.8 J	40.9 J
Calcium	--	54400	50900	7430	7600	18800	19500	12100	12300	12000	12100	13800	14400
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Iron	300	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	28.8 UB	26 UB
Lead	25	2.2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35000	20400	19700	5450	5760	5100	5250	5360	5440	7100	7170	8150	8680
Manganese	300	171	164	103	105	***668***	***675***	***2380***	***2400***	***356***	***359***	***2810***	***2970***
Mercury	0.7	0.39	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40.6	38.7 J	12.2 J	11.8 J	18.7 J	17.9 J	40 U	40 U	40 U	40 U	40 U	40 U
Potassium	--	12400	12100	6930	5970	10300	9000	9340	9180	12200	11900	17600	17500
Sodium	20000	***218000***	***219000***	***25500***	***25500***	***113000***	***113000***	***57800***	***58800***	***62900***	***63200***	***40500***	***41000***
Zinc	2000	32.3	31.2	11 UB	11.2 J	33.1	34.5	20 U	20 U	20 U	20 U	20 U	20 U
Iron & Manganese	500	171	164	103	105	***668***	***675***	***2380***	***2400***	356	359	***2838.8***	***2970***

Footnotes/Qualifiers:

ug/l	Micrograms per liter
U	Compound was analyzed for but not detected
J	Estimated value
UB	Not detected base on blank results
--	No standard
Exceeds NYSDEC Class GA Standard or Guidance Value	

Table 3
Old Bethpage Landfill Complex
Post-Termination Groundwater Monitoring Program
Monitoring Well Sample Results
Leachate Indicator Parameters

Sample ID / Sample Date / Units in mg/l	NYSDEC Class GA Standard or Guidance Value	LF-1 11/4/24	LF-2 11/4/24	MW-05B 10/29/24	MW-06A 11/1/24	MW-06B 11/1/24	MW-06C 11/1/24	MW-06E 11/5/24	MW-06F 11/5/24	MW-08A 10/31/24	MW-08B 10/31/24	MW-09B 10/29/24	MW-09C 10/29/24	OBS-1 10/31/24
LEACHATE INDICATORS														
Alkalinity, Total	---	78.2	1590	37.7	4	532	663	128	1 U	5.1	14.7	29.5	47.1	123
Alkalinity,Bicarbonate	---	78.2	1590	37.7	4	532	663	128	1 U	5.1	14.7	29.5	47.1	123
Alkalinity,Carbonate	---	1 UJ	5 UJ	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 UJ
Chloride	250	101 J	***295 J***	111	12.5 J	54 J	187 J	165	***403***	40.3 J	185 J	63.2	71.3	47.2 J
Cyanide	0.2	0.0075 J	0.0107	0.010 UJ	0.010 U	0.0135	0.010 U	0.0178 J	0.010 UJ	0.010 U	0.0107 U	0.010 UJ	0.010 UJ	0.0082 J
Hardness	---	100	193	89.6	9.99	213	184	99.2	220	41	67.9	52.3	59.2	68
Hexavalent Chromium	0.05	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nitrogen, Ammonia	2	0.31	***166***	0.062 J	0.093 J	***72.8***	***65.2***	***10.7***	0.4	0.1 U	0.067 J	0.16	1.7	***10***
Nitrogen, Kjeldahl, Total	---	0.56	134	0.1 U	0.1 U	58.8	47.8	9.9	0.1 U	0.1 U	0.1 U	0.1 U	0.87	8.9
Nitrate	10	0.05 U	0.05 U	3	0.39	0.05 U	0.05 U	0.25	3.7	2	2.3	3.3	1.5	0.12
Nitrite	1	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.036 J	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 U
Phenolics, Total	0.001	***0.008 J***	***0.009 J***	0.006 U	0.006 U	***0.014 J***	***0.006 J***	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Sulfate	250	25.8 J	4 J	21.7 J	8.1 J	13.3 J	1.6 J	79.7	5 U	31.1 J	33.8 J	17.2 J	17.5 J	20.5 J
Total Dissolved Solids	500	413	***1800***	337	48	***558***	***1100***	***556***	***894***	136	393	222	243	200

Footnotes/Qualifiers:

mg/l	Milligrams per liter
U	Compound was analyzed for but not detected
UB	Non-detect based on blank results
J	Estimated detection limit or value
--	No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS