2022 Periodic Review Report

(Reporting Period: September 15, 2021 to September 15, 2022)

Location:

Franczyk Park
550 and 564 New Babcock Street
City of Buffalo, New York, 14206
NYSDEC Site No. B00174-9

Prepared for:

City of Buffalo
Office of Strategic Planning
Division of Environmental Affairs
65 Niagara Square Room 901
Buffalo, New York 14202

LaBella Project No. 2223105

December 2022

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1.0 EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is a required element of the approved Site Management Plan (SMP) for the Franczyk Park Site located at 550 and 564 Babcock Street in the City of Buffalo, Erie County, New York (hereafter referred to as the "Site"). This PRR was prepared on behalf of the City of Buffalo to summarize the post remedial status of the New York State Department of Environmental Conservation (NYSDE) Environmental Restoration Program (ERP) Site No. B00174. This PRR and associated Institutional and Engineering Controls (IC/EC) Certification Form have been completed for the post-remedial activities at the Site for the reporting period from September 15, 2021 to September 15, 2022.

1.1 Site Summary

The Site is a public park composed of two adjoining parcels totaling approximately 15.49 acres, located at 550 and 564 New Babcock Street in the City of Buffalo, Erie County, New York. The Site is bound by Lyman Street to the north, Fleming Street to the south, New Babcock Street to the east, and Lewis Street to the west. The Site area is characterized as a mixture of commercial, industrial, and residential.

The City of Buffalo entered into a State Assistance Contract (SAC) with the NYSDEC to complete a Site Investigation/Remedial Alternatives Report (SI/RAR) for the Site. The Site Investigation, performed in the fall of 2003 and the spring of 2004, identified contaminated subsurface soil/fill throughout the Site as well as a minor amount of contaminated surface soil/fill in some high traffic areas. Following the completion of the SI, an SI/RAR was prepared. Based on the SI/RAR, a Proposed Remedial Action Plan (PRAP) was prepared. The PRAP was finalized in the March 2005 Record of Decision (ROD) following receipt of public input. A Remedial Action Work Plan (RAWP) was prepared in March 2006 to describe the specific remedial activities that were propose for the Site. December 2006, the City of Buffalo entered into an agreement with a contractor to implement the RAWP. The remedial activities completed at the Site included excavation and off-Site disposal of two hazardous contaminated soil/fill areas, installation of a groundwater interceptor trench along Fleming Street, demolition and replacement of all athletic facilities and the playground to facilitate the installation of the cover system, augmentation of the existing cover soil to achieve a minimum 24-inch cover thickness, and covering non-vegetated areas by a paving system of asphalt or concrete of at least six inches in thickness.

On June 15, 2016, a Certificate of Completion was issued by the NYSDEC indicating approval of the Final Engineering Report and satisfactory completion of the remediation phase of the environmental restoration project.

Subsequent completion of the remedial work, some contamination remained in the subsurface of the Site, referred to as "remaining contamination." A SMP was prepared to manage remaining contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. The SMP addresses the means for implementing the ICs and ECs that are required by the Environmental Easement for the Site.

1.2 Effectiveness of Remedial Program

Based on a recent inspection of the Site, the Site cover system and the groundwater interceptor trench system are intact and functioning as designed on the Site. Additionally, the groundwater sampling results indicate no semi-volatile organic compounds (SVOCs) were detected in the groundwater samples collected in October 2022 at concentrations exceeding NYSDEC standards. Limited metals parameters were identified in the groundwater samples collected from the Site at concentrations exceeding NYSDEC standards.

1.3 Non-Compliance

Areas of non-compliance regarding the major elements of the SMP were not identified during the preparation of this PRR.

1.4 Recommendations

Overall, the remedial program is viewed to be effective in achieving the remedial objectives for the Site. No changes to the SMP or the frequency of PRR submissions are recommended at this time.

2.0 SITE OVERVIEW

The Site is a public park encompasses approximately 15.49-acre area and is located at 550 and 560 Babcock Street in the City of Buffalo, Erie County, New York (see Figure 1). As shown in Figure 2, the Site is bounded by Lyman Street to the north, Fleming Street to the south, New Babcock Street to the east, and Lewis Street to the west. Figure 2 depicts the Site boundaries overlain on a current aerial image.

2.1 Site Background

The Site was first developed by Buffalo Fertilizing Chemicals Works, (L.L. Crocker) as an agricultural fertilizer manufacturing facility. These manufacturing operations lasted almost a century while the facility underwent a number of name changes during its tenure as a fertilizer manufacturing facility. The parcel adjoining the northwest corner of the Site was sold to the Thaddeus Joseph Dulski Community Center, Inc. in 1975. The following year, the remainder of the Site was sold to the Industrial Refining Corporation and then to Car Salvage World in 1977. The Site was used as an automobile junk yard in the final years until Car Salvage World went Bankrupt in 1981. The Brondy Real Estate Co. acquired the Site and later sold it to the City of Buffalo in 1984. The City of Buffalo redeveloped the Site into a park in 1987.

3.0 EFFECTIVENESS OF THE REMEDIAL PROGRAM

As detailed below in Section 5.1.1, the Site cover system, groundwater interceptor trench, and groundwater monitoring wells were inspected during the annual periodic review conducted October 15, 2022 (note: the inspection was done outside certification period). Additionally, annual groundwater samples were collected and submitted for laboratory analysis from four on-Site groundwater monitoring wells on October 15, 2022. Based on this inspection, the engineering controls are generally intact and functioning effectively; the cover system and groundwater interceptor trench system are intact and functioning effectively throughout the Site.

4.0 INSTITUTIONAL/ENGINEERING CONTROLS (IC/EC)

4.1 Institutional Control Requirements and Compliance

In accordance with the SMP, a series of Institutional Controls (ICs) have been established for the Site in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement and implemented under the SMP. The ICs include the following:

- Compliance with the Environmental Easement and the SMP by Owner and the Owner's successors and assigns;
- All Engineering Controls (ECs) must be operated and maintained as specified in the SMP;
- All ECs on the Site must be inspected at a frequency and in a manner defined in the SMP;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management of the Site must be reported at the frequency and in a manner defined in the SMP; and
- On-site environmental monitoring devices, including but not limited to, groundwater monitoring wells, must be protected and replaced as necessary to ensure the devices function in the manner specified in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The Site has a series of ICs in the form of restrictions. Site restrictions that apply are as follows:

- The Site may only be used for public park use provided that the long-term ECs and ICs included in the SMP are employed;
- The Site may not be used for a higher level of use, such as unrestricted use without additional remediation and amendment of the Environmental Easement;
- All future activities on the Site that will disturb the cover system and/or remaining contaminated material must be conducted in accordance with the SMP;
- The use of groundwater underlying the Site is prohibited without treatment rendering it safe for intended use;
- Vegetable gardens and farming on the Site are prohibited; and
- The owner of the Site is required to provide an IC/EC certification, prepared and submitted by a professional engineer or environmental professional acceptable to the NYSDEC annually or for a period to be approved by the NYSDEC, which will certify that the ICs and ECs put in place are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC, and, nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP.

LaBella has concluded that the ICs are in force and are being adhered to with respect to the condition and use of the Sites and activities conducted thereon.

4.2 Engineering Control Requirements and Compliance

4.2.1 Site Cover System

Exposure to the remaining contamination in soil/fill at the Site is prevented by cover systems placed over the Site. The cover system is comprised of a minimum of 24 inches of clean soil cover, or a

combination of asphalt or concrete pavement and clean soil cover that is a minimum 24 inches thick over all "active" areas of the Site, and a minimum of 12 inches over all "passive" areas. Figure 9 from the Site SMP, included in the Figures appendix, depicts the post-construction cover thicknesses across the Site. The cover system is a permanent control and quality and integrity of this system is inspected on an annual basis. The frequency of inspections will not change without the prior approval of the NYSDEC.

The final cover system shall be observed by traversing the cover on foot and making appropriate observations, notes and photographic records. The overall integrity of the final cover system on the Site will be assessed during inspections. The following characteristics shall be inspected during the observation of the cover system:

- Sloughing of slopes;
- Large cracks in the soil or paved cover surface;
- Settlement of the cover system;
- Erosion;
- Distressed vegetation/turf;
- Damaged to park access controls; or
- Vehicular rutting

Repairs will be performed at all areas exhibiting deficiencies or potential problems. Remedies for deficiencies are described in the SMP.

4.2.2 Interceptor Trench System

Exposure to remaining contamination in groundwater at the Site is prevented by a groundwater interceptor trench installed along Fleming Street and Lewis Street. The groundwater interceptor trench is located along the downgradient boundary of the Site, parallel to Fleming Street and Lewis Street. A groundwater interceptor trench was also installed in between the northwestern playground and the Dulski Community Center to the north and connected to the existing interceptor trench along Lewis Street. Groundwater collected in the trench system is conveyed to the Buffalo Sewer Authority sewer system. The interceptor trench system is a permanent control and quality and integrity of this system is inspected on an annual basis.

5.0 SITE MONITORING PLAN

5.1 Site Inspection and Certification

This PRR provides the information necessary to document the IC/EC certification. The certification primarily consists of a Site inspection to complete the NYSDEC "Site Management Periodic Review Report Notice-Institutional and Engineering Controls Certification Form" and confirm the IC/ECs:

- Are in place, performing properly, and remain effective;
- Nothing has occurred that would impair the ability of the controls to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with the SMP for such controls; and
- That access is available to the Site to evaluate continued maintenance of such controls.

The Site inspection includes the inspection of the following components in accordance with the SMP.

- Final cover system;
- Interceptor trench;
- Site access controls; and
- Site monitoring wells

5.1.1 Site-Wide Inspection

Annual site-wide inspections along with annual monitoring of the performance of the remedy is conducted for the first 30 years post completion. An annual inspection was conducted by LaBella on October 15, 2022, which included traversing the Site on foot to observe current conditions. The Site is developed with a park, including vegetated soil cover at the ground surface, baseball diamonds, basketball courts, soccer fields, a playground area, and asphalt pedestrian/bicycle trails and parking areas. At the time of the Site inspection the cover systems were observed to be generally in good condition, intact, and functioning as intended. Low areas of mulch were observed in portions of the playground area. The fencing along the north portion of the park was generally observed to be intact and functioning as intended. The interceptor trench appeared to be in good condition and functioning as intended. Additionally, the Site monitoring wells were observed to be in good condition. The Site Inspection Form is included in Appendix 1. Appendix 2 includes photographs taking during the Site Inspection.

During the previous reporting period, low areas of woodchips were observed in the playground area and boulders along Fleming Street were observed to have been removed. Additional woodchips were added to the playground area in November 2021. No cover restoration was required associated with the removed boulder areas and the vegetative cover has been reestablished.

5.1.2 IC/EC Certification

The NYSDEC's IC/EC Certification Form was completed in its entirety as all ICs/ECs are in place for the Site per the SMP. Appendix 3 includes the NYSDEC "Site Management Periodic Review Report Notice-Institutional and Engineering Controls Certification Form."

5.2 Groundwater Monitoring

The SMP specifies that groundwater sampling shall be performed at four down-gradient monitoring wells (MW-03, MW-05R, MW-07, and MW-08) on an annual basis and include analysis of Target Compound List (TCL) SVOCs and Target Analyte List (TAL) metals. Sampling of the monitoring wells is to be conducted using low-flow sampling procedures. Trends in contaminant levels in groundwater are evaluated to determine if the remedy continues to be effective in achieving remedial goals.

5.2.1 Groundwater Monitoring Procedures

The annual groundwater monitoring activities were performed in general accordance with the SMP and included the following.

- Measure depth of groundwater from the top of the well riser to determine groundwater elevations for the sampled groundwater monitoring wells;
- Collection of groundwater samples from monitoring wells MW-03, MW-05R, MW-07, and MW-08 using low-flow sampling techniques;

- Record field parameters (pH, oxidation-reduction potential, temperature, turbidity, and specific conductivity) at each monitoring well during the low-flow sampling;
- Submit groundwater samples for laboratory analysis for TCL SVOCs and TAL Metals to Eurofins Scientific, Inc., a New York State Department of Health (NYSDEC) environmental laboratory approval program (ELAP)-certified laboratory;
- Collection and analysis of a blind duplicate sample "Field Duplicate" from MW-07;
- Inspection and documentation of the structural integrity of the monitoring wells; and
- Containerize groundwater generated during the sampling and discharge to the groundwater interceptor trench collection system

Field measurements are summarized in Table 1 and groundwater elevations are presented in Table 2. Additionally, groundwater monitoring well low-flow sampling logs are included in Appendix 1.

5.2.2 Groundwater Monitoring Results

The analytical results for the groundwater samples are summarized on Table 3. The laboratory analytical results are compared to NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (AWQS) dated June 1998.

SVOCs were detected in the groundwater samples collected and submitted for laboratory analysis from MW-03 and MW-08. SVOCs at these locations were detected at concentrations below NYSDEC TOGS 1.1.1 AWQS.

Metals were detected in each of the groundwater samples with two or more parameters in each sample detected at concentrations exceeding NYSDEC TOGS 1.1.1 AWQS. Parameters detected in each groundwater sample at concentrations exceeding NYSDEC TOGS 1.1.1 AWQS are listed below.

- MW-03: Antimony, beryllium, iron, magnesium, manganese, and sodium
- MW-05R: Iron, magnesium, manganese, and sodium
- MW-07: Iron, magnesium, manganese, and sodium
- MW-08: Iron, lead, magnesium, manganese, and sodium
- Field Duplicate (MW-07): Iron, magnesium, manganese, and sodium

Historical metals parameter concentration trends are plot for each monitoring well on graphs included in Appendix 6. Thallium was detected during the previous reporting period in MW-07 and requested to be added to the graph. Thallium in MW-07 was non detected during this monitoring event and was not detected during the 2017-2020 reporting periods. Due to only one histporical detection, thallium was not included in the graph for MW-07. The laboratory analytical reports are included in Appendix 4.

The groundwater elevations within each monitoring well were measured prior to sampling and are indicated on Figure 3.

5.2.3 Data Usability Summary Report

Data Validation Services completed the third-party data validation of the groundwater sample analytical results. The Data Usability Summary Report (DUSR) prepared by Data Validation Services is included in Appendix 5. The data validator indicated the results for the samples are usable either

as reported or with minor qualification/edit. Data completeness, representativeness, reproducibility, and comparability are acceptable.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Annual inspection of the Site was performed on October 15, 2022, by LaBella Associates, DPC as prescribed in the SMP (note: the inspection was performed outside of the certifying period). As a result of this inspection, LaBella has determined that the Site is in compliance with the elements of the SMP.

As reflected by the signed Institutional and Engineering Controls Certification Form (Appendix 3), LaBella has concluded that:

- The required EC/ICs are in place, are performing properly, and remain effective;
- The SMP is being implemented; and
- The remedy continues to be protective of public health and the environment.

Based on the results of the annual groundwater monitoring, SVOCs were not detected in any of the groundwater samples at concentrations exceeding NYSDEC TOGS 1.1.1 AWQS. Metals parameters exceeding NYSDEC TOGS 1.1.1 AWQS were identified in each groundwater sample analyzed. The SMP for the Site indicates that antimony, arsenic, beryllium, lead, nickel, and selenium were previously identified in Site groundwater at concentrations exceeding NYSDEC TOGS 1.1.1 AWQS. Of these parameters only antimony and beryllium in MW-03 and lead in MW-08 were detected at concentrations exceeding NYSDEC TOGS 1.1.1 AWQS in the groundwater samples collected during this reporting period. Additional metals parameters including iron, magnesium, manganese, and sodium were detected in one or more of the groundwater samples during this reporting period at concentrations exceeding NYSDEC TOGS 1.1.1 AWQS. The SMP indicates that iron, magnesium, manganese, and sodium were previously detected at the Site at concentrations exceeding NYSDEC TOGS 1.1.1 AWQS and are commonly encountered in uncontaminated, natural environmental and are associated with groundwater aesthetics rather than toxicity.

LaBella recommends the following:

- Additional wood chips should be added to low areas within the playground areas. Additional wood chips will be added to the playground area in the spring;
- No changes to the inspection, reporting or certification frequency prescribed for the Site; and
- Groundwater monitoring should continue to be performed annually.

7.0 LIMITATIONS

The conclusions presented in this report are based on information gathered in accordance with generally acceptable professional consulting principles and practices. All conclusions reflect observable conditions existing at the time of the Site inspection. Information provided by outside sources (individuals, agencies, laboratories, etc.) as cited herein, was used in the assessment of the Site. The accuracy of the conclusions drawn from this assessment is, therefore, dependent upon the accuracy of information provided by these sources. Furthermore, LaBella is not responsible for the

impacts of any changes in environmental standards, practices, or regulations subsequent to the performance of services.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based upon the facts currently available with the limits of the existing data, scope of services, budget and schedule. To the extent that more definitive conclusions are desired by the Client than are warranted by the current available facts, it is specifically Labella's' intent that the conclusions and recommendations stated herein will be intended as guidance and not necessarily a firm course of action expect where explicitly stated as such. LaBella makes no warranties, expressed or implied including without limitation, warranties as to merchantability or fitness of a particular purpose. Furthermore, the information provided in this report is not be construed as legal advice.

This assessment and report have been completed and prepared on behalf of and for the exclusive use of the City of Buffalo. Any reliance on this report by a third party is at such party's sole risk.

8.0 REFERENCES

DER-10/Technical Guidance for Site Investigation and Remediation, NYSDEC, May 3, 2010

Site Management Plan, Franczyk Park Site Erie County, New York; KHEOPS Architecture, Engineering & Survey, DPC, Februruay 2015

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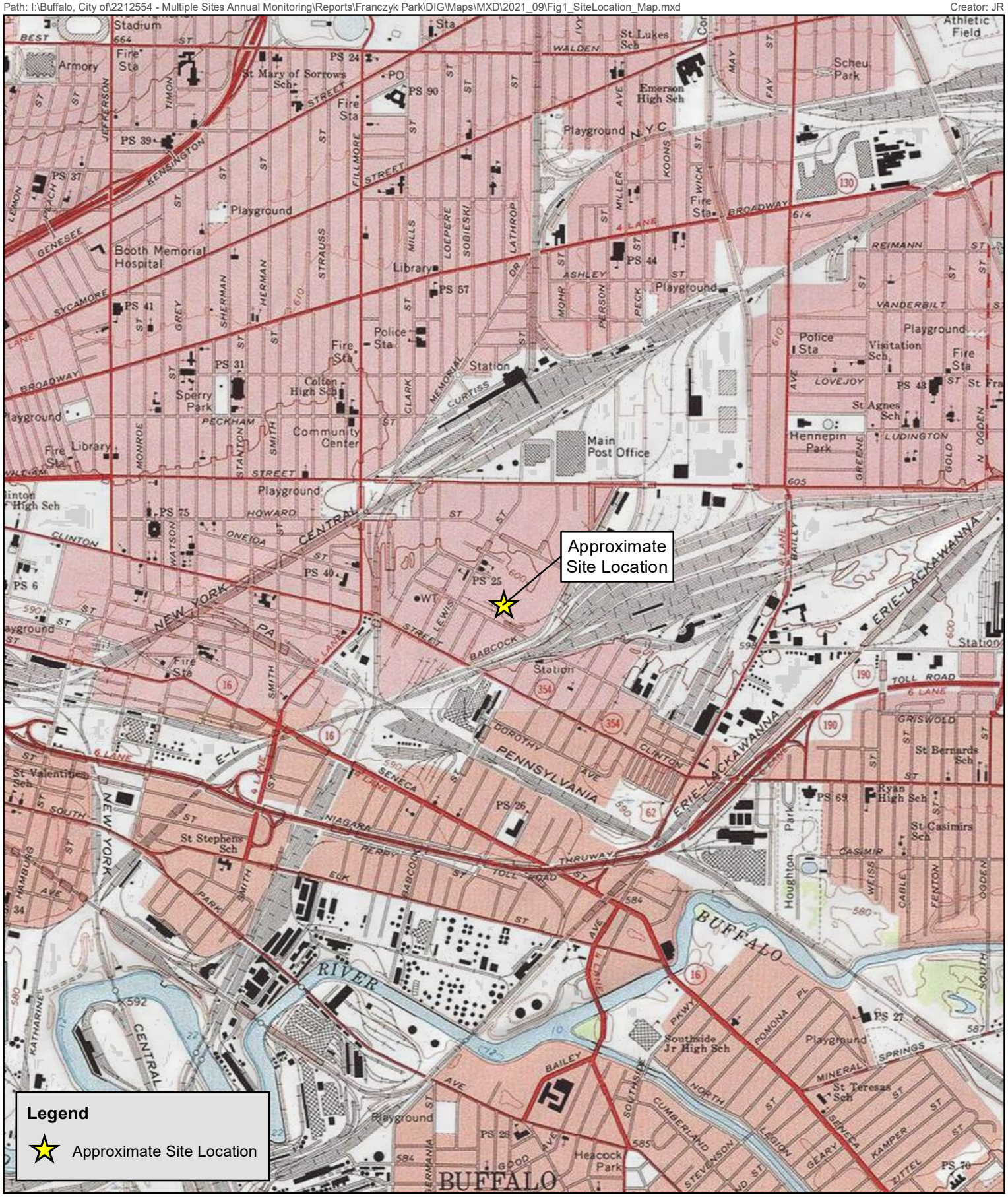
FIGURES



PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2223105 **Figure 1** 11/1/2022	Site Location Map	2022 Periodic Review Report 550 & 564 New Babcock Street, Buffalo, New York NYSDEC Site No. B00174-9

N

0 1,000 2,000 Feet

LaBella Powered by partnership.

Data Source: Erie County 2020; LaBella 2021; USGS, National Geographic, i-cubed 2019.

Path: I:\Buffalo, City of\2212554 - Multiple Sites Annual Monitoring\Reports\Franczyk Park\DIG\Maps\MXD\2021_09\Fig2_SiteInvestigation_Map.mxd

Creator: EG

PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2223105 **Figure 2** 11/1/2022	Site Map	2022 Periodic Review Report 550 & 564 New Babcock Street, Buffalo, New York NYSDEC Site No. B00174-9

N

0 50 100 Feet

LaBella Powered by partnership.

Data Source: Bing Maps; Erie County 2020; LaBella 2021.

Path: I:\Buffalo, City of\2223105 - BCP & LF Monitor Multiple Sites\06_Drawings\DIG\Francyk Park\Maps\MXD\2022_11\Fig3_GroundwaterContour_Map.mxd

Creator: EG

PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2223105 **Figure 3** 11/9/2022	Groundwater Contours Map	2022 Periodic Review Report 550 & 564 New Babcock Street, Buffalo, New York NYSDEC Site No. B00174-9

N

0 100 200 Feet

LaBella
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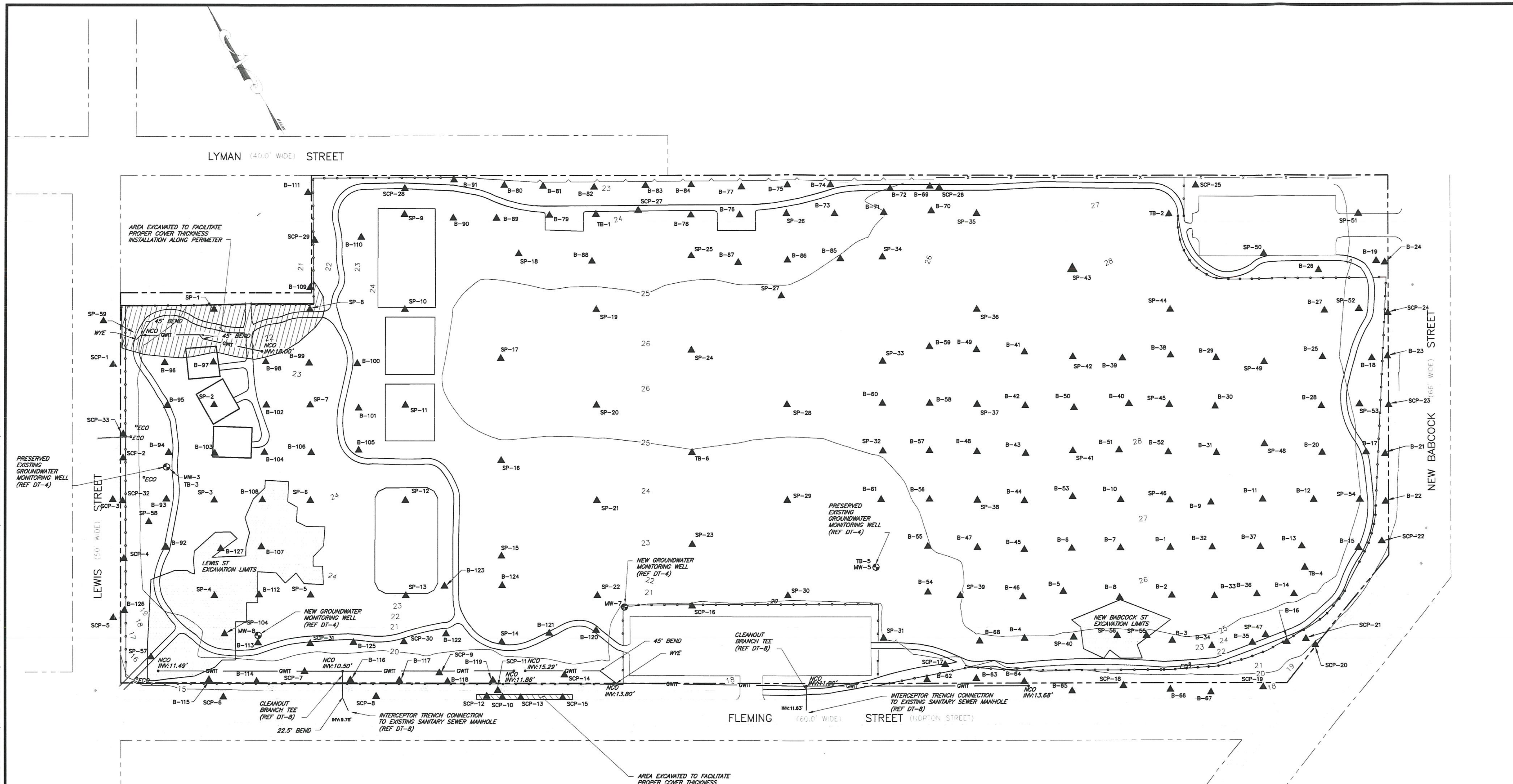
Data Source: Bing Maps; Erie County 2020; LaBella 2022.



LEGEND

Symbol	Description
— GWIT —	GROUNDWATER INTERCEPTOR TRENCH PIPE (REF DT-1)
	EXISTING GROUNDWATER INTERCEPTOR TRENCH (INSTALLED IN 2000)
N(E)CO	NEW (EXISTING) INTERCEPTOR TRENCH CLEANOUT (REF DT-1 AND DT-4)
▲	SOIL PROBE/TEST BORE LOCATION
	GROUNDWATER MONITROING WELL
□	HAZARDOUS SOIL EXCAVATION
	WIRE ROPE PERIMETER FENCE (REF DT-4)
— x —	CHAIN LINK FENCE (REF DT-2)
— 25 —	MAJOR CONTOUR
24	MINOR CONTOUR
	PROPERTY LINE
	FRANCZYK PARK PROPERTY LINE

NOTES:
"ACTIVE" AREAS OF THE SITE ARE DEFINED AS AREAS LOCATED INSIDE THE WIRE ROPE PERIMETER FENCE. "PASSIVE" AREAS OF THE SITE ARE DEFINED AS AREAS LOCATED OUTSIDE THE WIRE ROPE PERIMETER FENCE.

LOCATION OF THE GROUNDWATER INTERCEPTOR TRENCH INSTALLED IN 2000 IS APPROXIMATE. REFERENCE ACRES INTERNATIONAL CORP. AVG 2001 CONSTRUCTION CLOSEOUT REPORT FOR FURTHER DETAILS.

Depth of Cover

Boring Number	As-Built Total Thickness
SP-2	3.21
SP-3	3.97
SP-4	3.15
SP-5	4.04
SP-6	3.73
SP-7	2.55
SP-9	6.65
SP-10	4.99
SP-11	3.30
SP-12	2.32
SP-13	5.20
SP-14	2.71
SP-15	2.74
SP-16	3.11
SP-17	3.88
SP-18	4.50
SP-19	3.88
SP-20	4.53
SP-21	5.19
SP-22	2.87
SP-23	4.24
SP-24	4.76
SP-25	4.19
SP-26	2.69
SP-27	4.54
SP-28	4.48
SP-29	3.60

Depth of Cover

Boring Number	As-Built Total Thickness
SP-30	4.08
SP-31	1.93
SP-32	2.61
SP-33	3.64
SP-34	3.32
SP-35	7.00
SP-36	6.57
SP-37	2.25
SP-38	2.76
SP-39	2.21
SP-40	2.46
SP-41	3.19
SP-42	3.60
SP-43	7.39
SP-44	4.98
SP-45	2.26
SP-46	3.77
SP-47	2.37
SP-48	3.76
SP-49	3.09
SP-50	5.13
SP-51	2.56
SP-52	3.24
SP-53	3.74
SP-54	2.14
SP-58	3.14
TB-01	3.00

Depth of Cover

Boring Number	As-Built Total Thickness
TB-02	5.84
TB-03	3.88
TB-04	3.28
TB-05	2.41
TB-06	5.80
SCP-7	3.07
SCP-9	3.21
SCP-14	2.17
SCP-17	4.79
SCP-21	2.13
SCP-25	3.18
SCP-26	3.32
SCP-27	3.12
SCP-28	4.51
SCP-29	3.30
SCP-30	3.21
SCP-31	2.53
B1	3.58
B2	2.94
B3	2.58
B4	2.87
B5	2.11
B6	2.95
B7	3.16
B8	2.44

Depth of Cover

Boring Number	As-Built Total Thickness
B9	4.51
B10	3.76
B11	2.78
B12	2.45
B13	2.11
B14	2.95
B15	2.85
B16	2.68
B17	2.99
B18	2.04
B19	2.28
B20	2.93
B21	2.51
B22	2.91
B23	2.25
B24	2.11
B25	2.58
B26	3.05
B27	2.88
B28	2.81
B29	3.15
B30	2.77
B31	2.97
B32	4.62
B33	4.87
B34	3.36
B35	2.18

Depth of Cover

Boring Number	As-Built Total Thickness
B36	3.34
B37	3.40
B38	2.79
B39	2.84
B40	3.03
B41	2.50
B42	3.51
B43	2.78
B44	3.47
B45	3.06
B46	2.68
B47	3.68
B48	3.23
B49	2.33
B50	3.26
B51	3.43
B52	3.81
B53	4.19
B54	2.60
B55	4.14
B56	3.59
B57	2.83
B58	2.14
B59	2.64
B60	2.41
B61	2.41
B62	2.79

Depth of Cover

Boring Number	As-Built Total Thickness
B63	3.44
B64	2.82
B65	2.49
B66	2.50
B67	2.23
B68	3.62
B69	1.83
B70	2.24
B71	2.28
B72	2.65
B73	2.13
B74	2.35
B75	2.15
B76	2.93
B77	2.05
B78	2.75
B79	3.10
B80	2.21
B81	2.19
B82	2.31
B83	2.07
B84	2.18
B85	4.11
B86	3.83
B87	3.45
B88	3.05
B89	2.17

Depth of Cover

Boring Number	As-Built Total Thickness
B90	2.37
B91	2.31
B92	2.77
B93	2.53
B94	2.62
B95	2.37
B96	2.63
B97	2.99
B98	3.02
B99	2.88
B100	2.27
B101	2.48
B102	3.26
B103	3.09
B104	2.78
B105	2.41
B106	3.45
B110	2.77
B113	2.99
B114	2.06
B115	3.68
B116	4.08
B117	2.38
B118	2.73
B119	2.36
B120	2.24
B121	2.51

Depth of Cover

Boring Number	As-Built Total Thickness
B122	4.32
B123	2.86
B124	2.87
B125	3.21
B126	2.26
*Areas below are located within excavated areas that contain a minimum of 2' of clean backfill and are concidered "Active Park Areas"	
SP-1	2.00
SP-8	2.00
SP-55	2.00
SP-56	2.00
SP-57	2.00
SP-59	2.00
SP-104	2.00
B107	2.00
B108	2.00
B112	2.00
B127	2.00
*Areas below are located outside of the perimeter fence where only 1' of cover is required and are concidered "Passive Park Areas"	
SCP-1	
SCP-2	1.39
SCP-3	
SCP-4	1.88
SCP-5	
SCP-6	

Depth of Cover

Boring Number	As-Built Total Thickness
SCP-8	
SCP-10	
SCP-11	
SCP-12	
SCP-13	
SCP-15	
SCP-16	1.03
SCP-18	
SCP-19	
SCP-20	1.12
SCP-22	2.13
SCP-23	1.64
SCP-24	1.40
SCP-32	1.55
SCP-33	2.78
B109	2.22
B111	1.61

** SCP-10 and SCP-13 were in the area where existing soil was excavated and replaced with 1' of clean cover Ref. to Fig. 5

RECORD DRAWING
DATE

REV	DESCRIPTION	DATE	BY
1	REVISED TO REFLECT INSTALLATION OF GROUNDWATER INTERCEPTOR TRENCH SOUTH OF THE DULSKI COMMUNITY CENTER	1/19/11	ATB
2	REVISED TO REFLECT NYSDEC COMMENTS	10/26/11	ATB

KHEOPS Architecture, Engineering & Survey, DPC
300 Pearl Street, Suite 100
Buffalo, New York 14202
P. 716.849.8739
F. 716.856.0981
WWW.KHEOPSDPC.COM

Designed by: M. FINN	Date: JANUARY 2009
Drawn by: T. O'DONOGHUE	Job No. 2003.0125.01
Checked by: T. RIED	Drawing File No.
Dwg Scale: Horiz: AS NOTED Vert: NA	File Name: 081209_FRANCZYK.DWG

CITY OF BUFFALO NEW YORK

REMEDIATION RECORD DRAWING
FRANCZYK PARK

564 BABCOCK STREET
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SHEET REFERENCE NUMBER:
FIG-9

LaBella
Powered by partnership.

TABLES

TABLE 1
SUMMARY OF FIELD MEASUREMENTS
FRANCZYK PARK
CITY OF BUFFALO, NEW YORK

Location	Sampling Date	Sampling Time	Temp (°C)	pH (units)	Eh (MV)	Conductance $(ms/cm)^2$	Turbidity (NTU)	Diss. Oxygen (mg/L)	Sample Appearance
MW-03	10/5/2022	11:45	14.24	5.01	11.4	8.017	NM	0.06	Clear, coloroless
MW-05R	10/5/2022	9:25	16.31	7.86	-36.7	1.275	NM	0.66	Clear, coloroless
MW-07	10/5/2022	10:15	16.72	7.13	-36.9	1.836	NM	0.50	Clear, coloroless
MW-08	10/5/2022	12:00	17.21	7.28	-85.2	3.258	NM	1.52	Clear, coloroless

Notes:
Measurements are the readings obtained from last bailer of water prior to sample collection time.
NS - Not Sampled
NM - Not Measured (meter malfucntion)

TABLE 2
GROUNDWATER ELEVATIONS
FRANCZYK PARK
CITY OF BUFFALO, NEW YORK

Well Identification	Top of Casing Elevation[(1)]	Depth to Bottom[(1)(3)]	Depth to Water[(2)]	Water Level Elevation
MW-03	597.30	15.0	6.05	591.25
MW-05R	595.12	11.9	2.00	593.12
MW-07	595.48	7.8	3.03	592.45
MW-08	597.14	7.8	5.71	591.43

Notes:
(1) Feet Above Mean Sea Level (AMSL). Casing elevation obtained via Eos Positioning System, Inc., Arrow Gold RTK GNSS GPS Unit
(2) Feet below top of casing
(3) Depth to bottom measured at time of sample collection

TABLE 3
SUMMARY OF ANNUAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
FRANCZYK PARK 2022 PRR
CITY OF BUFFALO, NEW YORK
(Detected Analytes Only)

MONITORING LOCATIONS	MW-03	MW-05R	MW-07	MW-08	Field Duplicate (MW-07)	NYSDEC TOGS 1.1.1 AWQS
Collection Date	10/5/2022	10/5/2022	10/5/2022	10/5/2022	10/5/2022	
Semi-Volatile Organic Compounds (µg/L)						
4-Methylphenol	8.4 J	<	<	<	<	NS
Benzaldehyde	<	<	<	0.62 J	<	NS
Fluoranthene	<	<	<	0.53 J	<	50
Diethly phthalate	<	<	<	0.33 J	<	50
Pyrene	<	<	<	0.45 J	<	50
Metals (mg/L)						
Aluminum	381	0.19 J	0.38	1.8	0.35	NS
Antimony	0.036	<	<	<	<	0.003
Arsenic	<	<	<	0.0068 J	<	0.025
Barium	0.014	0.041	0.05	0.076	0.05	1
Beryllium	0.027	<	<	<	<	0.003
Cadmium	<	0.00058 J	<	<	<	0.005
Calcium	384	124	327	647	329	NS
Chromium	0.014	<	<	0.0039 J	<	0.05
Cobalt	0.023	0.00080 J	0.008	0.00088 J	0.0078	NS
Copper	0.0057 J	<	<	0.0061 J	<	0.2
Iron	1820	0.5	18.3	10.3	18.7	0.3
Lead	<	0.0035 J	0.0047 J	0.27	0.0036 J	0.025
Magnesium	840	68.2	66.8	199	67.4	35
Manganese	19.0 B	0.32 B	5.1 B	0.82 B	5.0 B	0.3
Mercury	<	<	<	0.00018 J	<	0.0007
Nickel	0.042 J	0.0018 J	0.0023 J	0.0023 J	0.0021 J	0.1
Potassium	151	8.2	20.8	54.2	20.6	NS
Selenium	0.0096 J	<	<	<	<	0.01
Sodium	134	56.4	33.8	33.7	34.5	20
Thallium	<	<	<	<	<	0.0005
Vanadium	0.046 J	<	<	0.0029 J	<	NS
Zinc	0.041	0.11	0.01	0.22	0.01	2

NYSDEC TOGS 1.1.1 AWQS = New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998)

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NS - Indictes the no regulatory value is noted within the NYSDEC TOGS 1.1.1 AWQS

"<" - Indicates no detection

Shaded = Value exceedes NYSDEC TOGS 1.1.1 AWQS

J = Estimated value.

U = The target analyte was analyzed for, but was not detected above the level of the assocaited reported quantitation limit.

APPENDIX 1

Inspection Form and Field Logs

SITE INSPECTION FORM
FRANCZYK PARK

Property Name: Franczyk Park Inspection Date:

Property Address: 564 Babcock Street

City: Buffalo State: NY Zip Code: 14206

Property ID: (Tax Assessment Map)

Section: 112.17 Block: 1 Lot(s): 10 and 11

Total Acreage: 16.5 acres

Weather (during inspection): Temperature: 60° Conditions: mostly cloudy

SIGNATURE:

The findings of this inspection were discussed with appropriate personnel, corrective actions were identified and implementation was mutually agreed upon:

Inspector: A. Koons Date: 10/5/22

Next Scheduled Inspection Date: Fall 2023

COVER & VEGETATION

	Yes	No
4. Final cover in acceptable condition?	X	
Is there evidence of sloughing, erosion, ponding or settlement?		X
Is there evidence of unintended traffic; rutting?		X
Is there evidence of distressed vegetation/turf?		X
5. Final cover sufficiently covers soil/fill material?	X	
Are there cracks visible in the soil or pavement?		X
Is there evidence of erosion in the stormwater channels or swales?		X
Is the synthetic erosion control fabric visible or damaged in the playground and/or athletic field area?		X

INTERCEPTOR TRENCH AND MONITORING WELLS

	Yes	No
6. Interceptor trench in acceptable condition?		
Are the cleanout caps secured and not buried?	X	
Are the interceptor pipes obstructed (check the manholes where the interceptor trench connects to the sanitary sewer)		X

What is the condition of the monitoring wells?

Monitoring wells in good condition

ACTIVITY ON SITE

	Yes	No
7. Any activity on site that disturbed the soil cover?	____	X

ACCESS CONTROLS

	Yes	No
1. Is access controlled by barriers (i.e. fencing, boulders, etc?	X	____
Are there sections of the access controls damaged or missing?	____	X
2. Is there evidence of the operation of vehicles on the site?	____	X
Is there evidence of damage to the cover or access controls resulting from vehicle use on the project site?	____	X

ADDITIONAL FACILITY INFORMATION

Has there been any any development on or near the site? (Specify size and type: e.g., residential, 40 acres, well and septic)

No

COMMENTS

Item #

ATTACHMENTS

1. Site Sketch
2. Photographs
3. Laboratory Report(s)

LaBella

300 Pearl Street
Buffalo, New York 14202
Telephone: (716) 551-6281

Project Name: Franczyk Park
Location: 550-564 New Babcock Road
Project No.:
Sampled By: A. Kemp
Date: 10/5/22
Weather: Mostly Cloudy, 60°F

WELL I.D.: MW-003

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 15.0'
Measuring Point: Inner casing
Pump Type: peri-pump

Static Water Level: 6.05
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: 1/4" OD

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1117	0.2	0	15.75	9.24	11.41	5.15	42.9		6.05		v. turbid
1122	0.2	1.0	14.41	0.30	10.06	5.05	29.6		7.88		slightly turbid
1127	0.2	2.0	14.28	6.10	9.339	5.02	21.0		7.88		clear
1132	0.2	3.0	14.28	6.07	8.175	5.01	13.6		7.98		clear
1137	0.2	4.0	14.24	6.06	8.017	5.01	11.4		7.98		clear

Total _____ Gallons Purged

Purge Time Start: 1117 Purge Time End: 1137 Final Static Water Level: 7.98

OBSERVATIONS

one well volume = 1.4 gal sampled @ 1145

LaBella

300 Pearl Street
Buffalo, New York 14202
Telephone: (716) 551-6281

Project Name: Franczyk Park
Location: 550-546 New Babcock Rd
Project No.: 222
Sampled By: A. Koons
Date: 10/5/22
Weather: Mostly Cloudy, 60° F

WELL I.D.: MW-05R

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 11.90
Measuring Point: inner casing
Pump Type: peri-pump

Static Water Level: 2.00'
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: 1/4" OD

FIELD PARAMETER MEASUREMENT

Time	Pump Rate ~~mL/min~~ gal/min	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS	[illegible]	Comments
0901	0.2	0	16.07	7.41	1.267	8.58	-64.2		2.00		clear
0905	0.2	1	17.18	2.94	0.525	8.16	-28.0		4.53		clear
0910	0.2	2	16.90	3.07	0.782	7.97	-44.6		8.01		clear
0915	0.2	3	16.81	6.77	0.916	7.92	-41.7		8.41		clear
0920	0.2	4	16.31	0.66	1.275	7.86	-36.5		11.90		clear

Total _____ Gallons Purged

Purge Time Start: 0901 Purge Time End: 0920 Final Static Water Level: 11.90

OBSERVATIONS

1.5 gal well volume

well going dry after ~4.0 gal sampled @ 0925

LaBella

300 Pearl Street
Buffalo, New York 14202
Telephone: (716) 551-6281

Project Name: Franczyk Park
Location: 550-564 New Babcock Road
Project No.:
Sampled By: A. Kuens
Date: 10/5/22
Weather: Mostly Cloudy, 60°F

WELL I.D.: MW-07

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 7.80
Measuring Point: inner casing
Pump Type: peri-pump

Static Water Level: 3.03
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: 1/4" OD

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0956	0.2	0	16.74	10.60	2.255	7.81	-56.4		3.03		Slightly turbid
0958	0.2	0.5	16.75	5.32	1.805	7.47	-32.4		4.54		clear
1001	0.2	1.0	16.75	0.85	1.712	7.35	-35.0		4.99		clear
1003	0.2	1.5	16.70	0.64	1.798	7.26	-33.4		5.41		clear
1006	0.2	2.0	16.73	0.61	1.851	7.17	-34.0		6.03		clear
1008	0.2	2.5	16.72	0.50	1.836	7.13	-36.9		6.35		clear

Total 2.5 Gallons Purged

Purge Time Start: 0956 Purge Time End: 1008 Final Static Water Level: 6.35

OBSERVATIONS

One well volume = 0.75 gal

Sampled @ 1015 Duplicate sample taken @ this location

LaBella

300 Pearl Street
Buffalo, New York 14202
Telephone: (716) 551-6281

Project Name: Franczyk Park
Location: 550 - 564 New Babcock Road
Project No.:
Sampled By: A. Kearns
Date: 10/5/22
Weather: Mostly cloudy, 60°F

WELL I.D.: MW-08

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 7.80
Measuring Point: inner casing
Pump Type: peri-pump

Static Water Level: 5.71
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: 1/4" OD

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1043	0.2	0	17.89	10.96	3.121	7.54	-25.1		5.71		Slightly turbid
1044	0.2	0.2	17.47	15.46	3.0606	7.38	-67.1		6.30		clear
1045	0.2	0.4	17.45	3.09	3.146	7.33	-76.2		6.80		clear
1046	0.2	0.6	17.19	2.17	3.217	7.29	-78.5		7.20		clear
1047	0.2	0.8	17.21	1.52	3.256	7.28	-85.2		7.80		clear

Total _____ Gallons Purged

Purge Time Start: 1043 Purge Time End: 1047 Final Static Water Level: Dry

OBSERVATIONS

one well volume = 0.3 gal
* very slow recharge *
well going dry after ~ 0.8 gal's sampled @ 1200

APPENDIX 2

Photographs

View of baseball fields facing east

View of baseball field facing north

View down Fleming Street facing west

View down Fleming Street facing east

View of baseball fields facing west

View of playground area

Franczyk Park
550 and 564 New Babcock Street
Buffalo, NY 14206

LaBella
Powered by partnership.

View of paved basketball areas

View of paved hockey area

View of MW-05R

View of water interceptor trench lid

Franczyk Park
550 and 564 New Babcock Street
Buffalo, NY 14206

LaBella
Powered by partnership.

APPENDIX 3

Site Management Periodic Review Report Notice-Institutional and Engineering Controls Certification Form

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

Site Details **Box 1**

Site No. **B00174**

Site Name Franczyk Park Investigation

Site Address: 550 and 564 New Babcock Street Zip Code: 14206-
City/Town: Buffalo (C)
County: Erie
Site Acreage: 15.490

Reporting Period: September 15, 2021 to September 15, 2022

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. B00174 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
112.17-1-11	City of Buffalo	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan
122.17-1-10	City of Buffalo	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
112.17-1-11	Cover System
122.17-1-10	Cover System Groundwater Containment

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. B00174

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I ANDREW BENKLEMAN at 300 PEARL ST, BUFFALO, NY.
print name print business address

am certifying as DESIGNATED REPRESENTATIVE (Owner or Remedial Party)

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

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

11/10/22
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I ANDREW BENKLEMAN at 300 PEARL STREET, BUFFALO, NY.
print name print business address

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

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

Stamp (Required for PE)

11/10/22
Date

APPENDIX 4

Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-202445-1
Client Project/Site: Franczyk Park site

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Andrew Koons

Authorized for release by:
10/17/2022 2:41:53 PM
Rebecca Jones, Project Management Assistant I
(716)504-9884
Rebecca.Jones@et.eurofinsus.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-202445-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-202445-1

Comments
No additional comments.

Receipt
The samples were received on 10/6/2022 1:40 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.7º C.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-644815 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-644815 recovered above the upper control limit for bis (2-chloroisopropyl) ether, 4-Nitroaniline and Carbazole. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-5R (480-202445-1), MW-07 (480-202445-2), MW-08 (480-202445-3), MW-03 (480-202445-4) and DUP (480-202445-5).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-644815 recovered outside acceptance criteria, low biased, for 4-Nitrophenol and Hexachlorocyclopentadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The following sample was diluted due to the nature of the sample matrix: MW-03 (480-202445-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3510C: During pH adjustment, the following sample required 5 mL of base to reach the desired pH: MW-03 (480-202445-4). Most samples take less than 2 mL to reach the desired range.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-5R — Lab Sample ID: 480-202445-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.19	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.041		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00058	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	124		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.00080	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	0.50		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0035	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	68.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.32	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0018	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	8.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	56.4		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.11		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: MW-07 — Lab Sample ID: 480-202445-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.38		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.050		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	327		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0080		0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	18.3		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0047	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	66.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	5.1	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0023	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	20.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	33.8		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.010		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: MW-08 — Lab Sample ID: 480-202445-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzaldehyde	0.62	J	6.3	0.33	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.33	J	6.3	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.53	J	6.3	0.50	ug/L	1		8270D	Total/NA
Pyrene	0.45	J	6.3	0.43	ug/L	1		8270D	Total/NA
Aluminum	1.8		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.0068	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.076		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	647		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0039	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.00088	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0061	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	10.3		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.27		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	199		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.82	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0023	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	54.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	33.7		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0029	J	0.0050	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-08 (Continued) — Lab Sample ID: 480-202445-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.22		0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.00018	J	0.00020	0.000043	mg/L	1		7470A	Total/NA

Client Sample ID: MW-03 — Lab Sample ID: 480-202445-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methylphenol	8.4	J	10	0.36	ug/L	1		8270D	Total/NA
Aluminum	381		2.0	0.60	mg/L	10		6010C	Total/NA
Antimony	0.036		0.020	0.0068	mg/L	1		6010C	Total/NA
Barium	0.014		0.0020	0.00070	mg/L	1		6010C	Total/NA
Beryllium	0.027		0.020	0.0030	mg/L	10		6010C	Total/NA
Calcium	384		5.0	1.0	mg/L	10		6010C	Total/NA
Chromium	0.014		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.023		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0057	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1820		0.50	0.19	mg/L	10		6010C	Total/NA
Magnesium	840		2.0	0.43	mg/L	10		6010C	Total/NA
Manganese	19.0	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.042	J	0.10	0.013	mg/L	10		6010C	Total/NA
Potassium	151		5.0	1.0	mg/L	10		6010C	Total/NA
Selenium	0.0096	J	0.025	0.0087	mg/L	1		6010C	Total/NA
Silver	0.0017	J	0.0060	0.0017	mg/L	1		6010C	Total/NA
Sodium	134		10.0	3.2	mg/L	10		6010C	Total/NA
Vanadium	0.046	J	0.050	0.015	mg/L	10		6010C	Total/NA
Zinc	0.041		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-202445-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.35		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.050		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	329		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0078		0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	18.7		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0036	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	67.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	5.0	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0021	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	20.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	34.5		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.010		0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-5R

Date Collected: 10/05/22 09:25
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-1

Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/10/22 08:38	10/12/22 17:23	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/10/22 08:38	10/12/22 17:23	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 17:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/22 08:38	10/12/22 17:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 17:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/10/22 08:38	10/12/22 17:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 17:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 17:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 17:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/22 08:38	10/12/22 17:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/22 08:38	10/12/22 17:23	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/22 08:38	10/12/22 17:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 17:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:23	1
3-Nitroaniline	ND		10	0.48	ug/L		10/10/22 08:38	10/12/22 17:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 17:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 17:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 17:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 17:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 17:23	1
4-Methylphenol	ND		10	0.36	ug/L		10/10/22 08:38	10/12/22 17:23	1
4-Nitroaniline	ND		10	0.25	ug/L		10/10/22 08:38	10/12/22 17:23	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/22 08:38	10/12/22 17:23	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/22 08:38	10/12/22 17:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/22 08:38	10/12/22 17:23	1
Acetophenone	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 17:23	1
Anthracene	ND		5.0	0.28	ug/L		10/10/22 08:38	10/12/22 17:23	1
Atrazine	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 17:23	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/10/22 08:38	10/12/22 17:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 17:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 17:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 17:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 17:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/22 08:38	10/12/22 17:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 17:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 17:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/22 08:38	10/12/22 17:23	1
Caprolactam	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 17:23	1
Carbazole	ND		5.0	0.30	ug/L		10/10/22 08:38	10/12/22 17:23	1
Chrysene	ND		5.0	0.33	ug/L		10/10/22 08:38	10/12/22 17:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/22 08:38	10/12/22 17:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/10/22 08:38	10/12/22 17:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 17:23	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/22 08:38	10/12/22 17:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/22 08:38	10/12/22 17:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 17:23	1

Client Sample ID: MW-5R
Date Collected: 10/05/22 09:25
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-1
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:23	1
Fluorene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 17:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 17:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/22 08:38	10/12/22 17:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 17:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 17:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 17:23	1
Isophorone	ND		5.0	0.43	ug/L		10/10/22 08:38	10/12/22 17:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 17:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 17:23	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/22 08:38	10/12/22 17:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/22 08:38	10/12/22 17:23	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 17:23	1
Phenanthrene	ND		5.0	0.44	ug/L		10/10/22 08:38	10/12/22 17:23	1
Phenol	ND		5.0	0.39	ug/L		10/10/22 08:38	10/12/22 17:23	1
Pyrene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*10/10/22 08:38*	*10/12/22 17:23*	*1*
Phenol-d5 (Surr)	*38*		*22 - 120*	*10/10/22 08:38*	*10/12/22 17:23*	*1*
p-Terphenyl-d14 (Surr)	*72*		*60 - 148*	*10/10/22 08:38*	*10/12/22 17:23*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*41 - 120*	*10/10/22 08:38*	*10/12/22 17:23*	*1*
2-Fluorobiphenyl (Surr)	*80*		*48 - 120*	*10/10/22 08:38*	*10/12/22 17:23*	*1*
2-Fluorophenol (Surr)	*50*		*35 - 120*	*10/10/22 08:38*	*10/12/22 17:23*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.19**	**J**	0.20	0.060	mg/L		10/11/22 09:02	10/12/22 18:19	1
Antimony	ND		0.020	0.0068	mg/L		10/11/22 09:02	10/12/22 18:19	1
Arsenic	ND		0.015	0.0056	mg/L		10/11/22 09:02	10/12/22 18:19	1
Barium	**0.041**		0.0020	0.00070	mg/L		10/11/22 09:02	10/12/22 18:19	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/22 09:02	10/12/22 18:19	1
Cadmium	**0.00058**	**J**	0.0020	0.00050	mg/L		10/11/22 09:02	10/12/22 18:19	1
Calcium	**124**		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:19	1
Chromium	ND		0.0040	0.0010	mg/L		10/11/22 09:02	10/12/22 18:19	1
Cobalt	**0.00080**	**J**	0.0040	0.00063	mg/L		10/11/22 09:02	10/12/22 18:19	1
Copper	ND		0.010	0.0016	mg/L		10/11/22 09:02	10/12/22 18:19	1
Iron	**0.50**		0.050	0.019	mg/L		10/11/22 09:02	10/12/22 18:19	1
Lead	**0.0035**	**J**	0.010	0.0030	mg/L		10/11/22 09:02	10/14/22 12:54	1
Magnesium	**68.2**		0.20	0.043	mg/L		10/11/22 09:02	10/12/22 18:19	1
Manganese	**0.32**	**B**	0.0030	0.00040	mg/L		10/11/22 09:02	10/12/22 18:19	1
Nickel	**0.0018**	**J**	0.010	0.0013	mg/L		10/11/22 09:02	10/12/22 18:19	1
Potassium	**8.2**		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:19	1
Selenium	ND		0.025	0.0087	mg/L		10/11/22 09:02	10/12/22 18:19	1
Silver	ND		0.0060	0.0017	mg/L		10/11/22 09:02	10/12/22 18:19	1
Sodium	**56.4**		1.0	0.32	mg/L		10/11/22 09:02	10/12/22 18:19	1
Thallium	ND		0.020	0.010	mg/L		10/11/22 09:02	10/12/22 18:19	1
Vanadium	ND		0.0050	0.0015	mg/L		10/11/22 09:02	10/12/22 18:19	1
Zinc	**0.11**		0.010	0.0015	mg/L		10/11/22 09:02	10/12/22 18:19	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-5R
Date Collected: 10/05/22 09:25
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-1
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 13:39	1

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-07

Date Collected: 10/05/22 10:15
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-2

Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/10/22 08:38	10/12/22 17:51	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/10/22 08:38	10/12/22 17:51	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 17:51	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/22 08:38	10/12/22 17:51	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 17:51	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/10/22 08:38	10/12/22 17:51	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 17:51	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 17:51	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:51	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 17:51	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/22 08:38	10/12/22 17:51	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:51	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/22 08:38	10/12/22 17:51	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/22 08:38	10/12/22 17:51	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 17:51	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:51	1
3-Nitroaniline	ND		10	0.48	ug/L		10/10/22 08:38	10/12/22 17:51	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 17:51	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 17:51	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 17:51	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 17:51	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 17:51	1
4-Methylphenol	ND		10	0.36	ug/L		10/10/22 08:38	10/12/22 17:51	1
4-Nitroaniline	ND		10	0.25	ug/L		10/10/22 08:38	10/12/22 17:51	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/22 08:38	10/12/22 17:51	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/22 08:38	10/12/22 17:51	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/22 08:38	10/12/22 17:51	1
Acetophenone	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 17:51	1
Anthracene	ND		5.0	0.28	ug/L		10/10/22 08:38	10/12/22 17:51	1
Atrazine	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 17:51	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/10/22 08:38	10/12/22 17:51	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 17:51	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 17:51	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 17:51	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 17:51	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/22 08:38	10/12/22 17:51	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 17:51	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:51	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 17:51	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/22 08:38	10/12/22 17:51	1
Caprolactam	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 17:51	1
Carbazole	ND		5.0	0.30	ug/L		10/10/22 08:38	10/12/22 17:51	1
Chrysene	ND		5.0	0.33	ug/L		10/10/22 08:38	10/12/22 17:51	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/22 08:38	10/12/22 17:51	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/10/22 08:38	10/12/22 17:51	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 17:51	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/22 08:38	10/12/22 17:51	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/22 08:38	10/12/22 17:51	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 17:51	1

Client Sample ID: MW-07
Date Collected: 10/05/22 10:15
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-2
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 17:51	1
Fluorene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 17:51	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 17:51	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/22 08:38	10/12/22 17:51	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 17:51	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 17:51	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 17:51	1
Isophorone	ND		5.0	0.43	ug/L		10/10/22 08:38	10/12/22 17:51	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 17:51	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 17:51	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/22 08:38	10/12/22 17:51	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/22 08:38	10/12/22 17:51	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 17:51	1
Phenanthrene	ND		5.0	0.44	ug/L		10/10/22 08:38	10/12/22 17:51	1
Phenol	ND		5.0	0.39	ug/L		10/10/22 08:38	10/12/22 17:51	1
Pyrene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*10/10/22 08:38*	*10/12/22 17:51*	*1*
Phenol-d5 (Surr)	*47*		*22 - 120*	*10/10/22 08:38*	*10/12/22 17:51*	*1*
p-Terphenyl-d14 (Surr)	*75*		*60 - 148*	*10/10/22 08:38*	*10/12/22 17:51*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*41 - 120*	*10/10/22 08:38*	*10/12/22 17:51*	*1*
2-Fluorobiphenyl (Surr)	*91*		*48 - 120*	*10/10/22 08:38*	*10/12/22 17:51*	*1*
2-Fluorophenol (Surr)	*61*		*35 - 120*	*10/10/22 08:38*	*10/12/22 17:51*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.38**		0.20	0.060	mg/L		10/11/22 09:02	10/12/22 18:23	1
Antimony	ND		0.020	0.0068	mg/L		10/11/22 09:02	10/12/22 18:23	1
Arsenic	ND		0.015	0.0056	mg/L		10/11/22 09:02	10/12/22 18:23	1
Barium	**0.050**		0.0020	0.00070	mg/L		10/11/22 09:02	10/12/22 18:23	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/22 09:02	10/12/22 18:23	1
Cadmium	ND		0.0020	0.00050	mg/L		10/11/22 09:02	10/12/22 18:23	1
Calcium	**327**		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:23	1
Chromium	ND		0.0040	0.0010	mg/L		10/11/22 09:02	10/12/22 18:23	1
Cobalt	**0.0080**		0.0040	0.00063	mg/L		10/11/22 09:02	10/12/22 18:23	1
Copper	ND		0.010	0.0016	mg/L		10/11/22 09:02	10/12/22 18:23	1
Iron	**18.3**		0.050	0.019	mg/L		10/11/22 09:02	10/12/22 18:23	1
Lead	**0.0047**	J	0.010	0.0030	mg/L		10/11/22 09:02	10/14/22 12:58	1
Magnesium	**66.8**		0.20	0.043	mg/L		10/11/22 09:02	10/12/22 18:23	1
Manganese	**5.1**	B	0.0030	0.00040	mg/L		10/11/22 09:02	10/12/22 18:23	1
Nickel	**0.0023**	J	0.010	0.0013	mg/L		10/11/22 09:02	10/12/22 18:23	1
Potassium	**20.8**		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:23	1
Selenium	ND		0.025	0.0087	mg/L		10/11/22 09:02	10/12/22 18:23	1
Silver	ND		0.0060	0.0017	mg/L		10/11/22 09:02	10/12/22 18:23	1
Sodium	**33.8**		1.0	0.32	mg/L		10/11/22 09:02	10/12/22 18:23	1
Thallium	ND		0.020	0.010	mg/L		10/11/22 09:02	10/12/22 18:23	1
Vanadium	ND		0.0050	0.0015	mg/L		10/11/22 09:02	10/12/22 18:23	1
Zinc	**0.010**		0.010	0.0015	mg/L		10/11/22 09:02	10/12/22 18:23	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-07

Date Collected: 10/05/22 10:15
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-2

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 13:41	1

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-08
Date Collected: 10/05/22 13:20
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-3
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		6.3	0.82	ug/L		10/10/22 08:38	10/12/22 18:19	1
bis (2-chloroisopropyl) ether	ND		6.3	0.65	ug/L		10/10/22 08:38	10/12/22 18:19	1
2,4,5-Trichlorophenol	ND		6.3	0.60	ug/L		10/10/22 08:38	10/12/22 18:19	1
2,4,6-Trichlorophenol	ND		6.3	0.76	ug/L		10/10/22 08:38	10/12/22 18:19	1
2,4-Dichlorophenol	ND		6.3	0.64	ug/L		10/10/22 08:38	10/12/22 18:19	1
2,4-Dimethylphenol	ND		6.3	0.63	ug/L		10/10/22 08:38	10/12/22 18:19	1
2,4-Dinitrophenol	ND		13	2.8	ug/L		10/10/22 08:38	10/12/22 18:19	1
2,4-Dinitrotoluene	ND		6.3	0.56	ug/L		10/10/22 08:38	10/12/22 18:19	1
2,6-Dinitrotoluene	ND		6.3	0.50	ug/L		10/10/22 08:38	10/12/22 18:19	1
2-Chloronaphthalene	ND		6.3	0.58	ug/L		10/10/22 08:38	10/12/22 18:19	1
2-Chlorophenol	ND		6.3	0.66	ug/L		10/10/22 08:38	10/12/22 18:19	1
2-Methylphenol	ND		6.3	0.50	ug/L		10/10/22 08:38	10/12/22 18:19	1
2-Methylnaphthalene	ND		6.3	0.75	ug/L		10/10/22 08:38	10/12/22 18:19	1
2-Nitroaniline	ND		13	0.53	ug/L		10/10/22 08:38	10/12/22 18:19	1
2-Nitrophenol	ND		6.3	0.60	ug/L		10/10/22 08:38	10/12/22 18:19	1
3,3'-Dichlorobenzidine	ND		6.3	0.50	ug/L		10/10/22 08:38	10/12/22 18:19	1
3-Nitroaniline	ND		13	0.60	ug/L		10/10/22 08:38	10/12/22 18:19	1
4,6-Dinitro-2-methylphenol	ND		13	2.8	ug/L		10/10/22 08:38	10/12/22 18:19	1
4-Bromophenyl phenyl ether	ND		6.3	0.56	ug/L		10/10/22 08:38	10/12/22 18:19	1
4-Chloro-3-methylphenol	ND		6.3	0.56	ug/L		10/10/22 08:38	10/12/22 18:19	1
4-Chloroaniline	ND		6.3	0.74	ug/L		10/10/22 08:38	10/12/22 18:19	1
4-Chlorophenyl phenyl ether	ND		6.3	0.44	ug/L		10/10/22 08:38	10/12/22 18:19	1
4-Methylphenol	ND		13	0.45	ug/L		10/10/22 08:38	10/12/22 18:19	1
4-Nitroaniline	ND		13	0.31	ug/L		10/10/22 08:38	10/12/22 18:19	1
4-Nitrophenol	ND		13	1.9	ug/L		10/10/22 08:38	10/12/22 18:19	1
Acenaphthene	ND		6.3	0.51	ug/L		10/10/22 08:38	10/12/22 18:19	1
Acenaphthylene	ND		6.3	0.48	ug/L		10/10/22 08:38	10/12/22 18:19	1
Acetophenone	ND		6.3	0.68	ug/L		10/10/22 08:38	10/12/22 18:19	1
Anthracene	ND		6.3	0.35	ug/L		10/10/22 08:38	10/12/22 18:19	1
Atrazine	ND		6.3	0.58	ug/L		10/10/22 08:38	10/12/22 18:19	1
Benzaldehyde	0.62	J	6.3	0.33	ug/L		10/10/22 08:38	10/12/22 18:19	1
Benzo[a]anthracene	ND		6.3	0.45	ug/L		10/10/22 08:38	10/12/22 18:19	1
Benzo[a]pyrene	ND		6.3	0.59	ug/L		10/10/22 08:38	10/12/22 18:19	1
Benzo[b]fluoranthene	ND		6.3	0.43	ug/L		10/10/22 08:38	10/12/22 18:19	1
Benzo[g,h,i]perylene	ND		6.3	0.44	ug/L		10/10/22 08:38	10/12/22 18:19	1
Benzo[k]fluoranthene	ND		6.3	0.91	ug/L		10/10/22 08:38	10/12/22 18:19	1
Bis(2-chloroethoxy)methane	ND		6.3	0.44	ug/L		10/10/22 08:38	10/12/22 18:19	1
Bis(2-chloroethyl)ether	ND		6.3	0.50	ug/L		10/10/22 08:38	10/12/22 18:19	1
Bis(2-ethylhexyl) phthalate	ND		6.3	2.8	ug/L		10/10/22 08:38	10/12/22 18:19	1
Butyl benzyl phthalate	ND		6.3	1.3	ug/L		10/10/22 08:38	10/12/22 18:19	1
Caprolactam	ND		6.3	2.8	ug/L		10/10/22 08:38	10/12/22 18:19	1
Carbazole	ND		6.3	0.38	ug/L		10/10/22 08:38	10/12/22 18:19	1
Chrysene	ND		6.3	0.41	ug/L		10/10/22 08:38	10/12/22 18:19	1
Dibenz(a,h)anthracene	ND		6.3	0.53	ug/L		10/10/22 08:38	10/12/22 18:19	1
Di-n-butyl phthalate	ND		6.3	0.39	ug/L		10/10/22 08:38	10/12/22 18:19	1
Di-n-octyl phthalate	ND		6.3	0.59	ug/L		10/10/22 08:38	10/12/22 18:19	1
Dibenzofuran	ND		13	0.64	ug/L		10/10/22 08:38	10/12/22 18:19	1
Diethyl phthalate	0.33	J	6.3	0.28	ug/L		10/10/22 08:38	10/12/22 18:19	1
Dimethyl phthalate	ND		6.3	0.45	ug/L		10/10/22 08:38	10/12/22 18:19	1

Client Sample ID: MW-08
Date Collected: 10/05/22 13:20
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-3
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.53	J	6.3	0.50	ug/L		10/10/22 08:38	10/12/22 18:19	1
Fluorene	ND		6.3	0.45	ug/L		10/10/22 08:38	10/12/22 18:19	1
Hexachlorobenzene	ND		6.3	0.64	ug/L		10/10/22 08:38	10/12/22 18:19	1
Hexachlorobutadiene	ND		6.3	0.85	ug/L		10/10/22 08:38	10/12/22 18:19	1
Hexachlorocyclopentadiene	ND		6.3	0.74	ug/L		10/10/22 08:38	10/12/22 18:19	1
Hexachloroethane	ND		6.3	0.74	ug/L		10/10/22 08:38	10/12/22 18:19	1
Indeno[1,2,3-cd]pyrene	ND		6.3	0.59	ug/L		10/10/22 08:38	10/12/22 18:19	1
Isophorone	ND		6.3	0.54	ug/L		10/10/22 08:38	10/12/22 18:19	1
N-Nitrosodi-n-propylamine	ND		6.3	0.68	ug/L		10/10/22 08:38	10/12/22 18:19	1
N-Nitrosodiphenylamine	ND		6.3	0.64	ug/L		10/10/22 08:38	10/12/22 18:19	1
Naphthalene	ND		6.3	0.95	ug/L		10/10/22 08:38	10/12/22 18:19	1
Nitrobenzene	ND		6.3	0.36	ug/L		10/10/22 08:38	10/12/22 18:19	1
Pentachlorophenol	ND		13	2.8	ug/L		10/10/22 08:38	10/12/22 18:19	1
Phenanthrene	ND		6.3	0.55	ug/L		10/10/22 08:38	10/12/22 18:19	1
Phenol	ND		6.3	0.49	ug/L		10/10/22 08:38	10/12/22 18:19	1
Pyrene	0.45	J	6.3	0.43	ug/L		10/10/22 08:38	10/12/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*10/10/22 08:38*	*10/12/22 18:19*	*1*
Phenol-d5 (Surr)	*53*		*22 - 120*	*10/10/22 08:38*	*10/12/22 18:19*	*1*
p-Terphenyl-d14 (Surr)	*68*		*60 - 148*	*10/10/22 08:38*	*10/12/22 18:19*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*41 - 120*	*10/10/22 08:38*	*10/12/22 18:19*	*1*
2-Fluorobiphenyl (Surr)	*84*		*48 - 120*	*10/10/22 08:38*	*10/12/22 18:19*	*1*
2-Fluorophenol (Surr)	*68*		*35 - 120*	*10/10/22 08:38*	*10/12/22 18:19*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.8		0.20	0.060	mg/L		10/11/22 09:02	10/12/22 18:27	1
Antimony	ND		0.020	0.0068	mg/L		10/11/22 09:02	10/12/22 18:27	1
Arsenic	0.0068	J	0.015	0.0056	mg/L		10/11/22 09:02	10/12/22 18:27	1
Barium	0.076		0.0020	0.00070	mg/L		10/11/22 09:02	10/12/22 18:27	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/22 09:02	10/12/22 18:27	1
Cadmium	ND		0.0020	0.00050	mg/L		10/11/22 09:02	10/12/22 18:27	1
Calcium	647		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:27	1
Chromium	0.0039	J	0.0040	0.0010	mg/L		10/11/22 09:02	10/12/22 18:27	1
Cobalt	0.00088	J	0.0040	0.00063	mg/L		10/11/22 09:02	10/12/22 18:27	1
Copper	0.0061	J	0.010	0.0016	mg/L		10/11/22 09:02	10/12/22 18:27	1
Iron	10.3		0.050	0.019	mg/L		10/11/22 09:02	10/12/22 18:27	1
Lead	0.27		0.010	0.0030	mg/L		10/11/22 09:02	10/14/22 13:02	1
Magnesium	199		0.20	0.043	mg/L		10/11/22 09:02	10/12/22 18:27	1
Manganese	0.82	B	0.0030	0.00040	mg/L		10/11/22 09:02	10/12/22 18:27	1
Nickel	0.0023	J	0.010	0.0013	mg/L		10/11/22 09:02	10/12/22 18:27	1
Potassium	54.2		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:27	1
Selenium	ND		0.025	0.0087	mg/L		10/11/22 09:02	10/12/22 18:27	1
Silver	ND		0.0060	0.0017	mg/L		10/11/22 09:02	10/12/22 18:27	1
Sodium	33.7		1.0	0.32	mg/L		10/11/22 09:02	10/12/22 18:27	1
Thallium	ND		0.020	0.010	mg/L		10/11/22 09:02	10/12/22 18:27	1
Vanadium	0.0029	J	0.0050	0.0015	mg/L		10/11/22 09:02	10/12/22 18:27	1
Zinc	0.22		0.010	0.0015	mg/L		10/11/22 09:02	10/12/22 18:27	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-08

Date Collected: 10/05/22 13:20
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-3

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00018	J	0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 13:42	1

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-03
Date Collected: 10/05/22 11:45
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-4
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/10/22 08:38	10/12/22 18:48	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/10/22 08:38	10/12/22 18:48	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 18:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/22 08:38	10/12/22 18:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 18:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/10/22 08:38	10/12/22 18:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 18:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 18:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 18:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 18:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/22 08:38	10/12/22 18:48	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 18:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/22 08:38	10/12/22 18:48	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/22 08:38	10/12/22 18:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 18:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 18:48	1
3-Nitroaniline	ND		10	0.48	ug/L		10/10/22 08:38	10/12/22 18:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 18:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 18:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 18:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 18:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 18:48	1
4-Methylphenol	8.4	J	10	0.36	ug/L		10/10/22 08:38	10/12/22 18:48	1
4-Nitroaniline	ND		10	0.25	ug/L		10/10/22 08:38	10/12/22 18:48	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/22 08:38	10/12/22 18:48	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/22 08:38	10/12/22 18:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/22 08:38	10/12/22 18:48	1
Acetophenone	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 18:48	1
Anthracene	ND		5.0	0.28	ug/L		10/10/22 08:38	10/12/22 18:48	1
Atrazine	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 18:48	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/10/22 08:38	10/12/22 18:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 18:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 18:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 18:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 18:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/22 08:38	10/12/22 18:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 18:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 18:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 18:48	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/22 08:38	10/12/22 18:48	1
Caprolactam	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 18:48	1
Carbazole	ND		5.0	0.30	ug/L		10/10/22 08:38	10/12/22 18:48	1
Chrysene	ND		5.0	0.33	ug/L		10/10/22 08:38	10/12/22 18:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/22 08:38	10/12/22 18:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/10/22 08:38	10/12/22 18:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 18:48	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/22 08:38	10/12/22 18:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/22 08:38	10/12/22 18:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 18:48	1

Client Sample ID: MW-03
Date Collected: 10/05/22 11:45
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-4
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 18:48	1
Fluorene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 18:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 18:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/22 08:38	10/12/22 18:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 18:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 18:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 18:48	1
Isophorone	ND		5.0	0.43	ug/L		10/10/22 08:38	10/12/22 18:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 18:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 18:48	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/22 08:38	10/12/22 18:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/22 08:38	10/12/22 18:48	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 18:48	1
Phenanthrene	ND		5.0	0.44	ug/L		10/10/22 08:38	10/12/22 18:48	1
Phenol	ND		5.0	0.39	ug/L		10/10/22 08:38	10/12/22 18:48	1
Pyrene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*46 - 120*	*10/10/22 08:38*	*10/12/22 18:48*	*1*
Phenol-d5 (Surr)	*40*		*22 - 120*	*10/10/22 08:38*	*10/12/22 18:48*	*1*
p-Terphenyl-d14 (Surr)	*80*		*60 - 148*	*10/10/22 08:38*	*10/12/22 18:48*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*41 - 120*	*10/10/22 08:38*	*10/12/22 18:48*	*1*
2-Fluorobiphenyl (Surr)	*73*		*48 - 120*	*10/10/22 08:38*	*10/12/22 18:48*	*1*
2-Fluorophenol (Surr)	*51*		*35 - 120*	*10/10/22 08:38*	*10/12/22 18:48*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**381**		2.0	0.60	mg/L		10/11/22 09:02	10/14/22 13:10	10
Antimony	**0.036**		0.020	0.0068	mg/L		10/11/22 09:02	10/14/22 13:06	1
Arsenic	ND		0.015	0.0056	mg/L		10/11/22 09:02	10/12/22 18:31	1
Barium	**0.014**		0.0020	0.00070	mg/L		10/11/22 09:02	10/12/22 18:31	1
Beryllium	**0.027**		0.020	0.0030	mg/L		10/11/22 09:02	10/14/22 13:10	10
Cadmium	ND		0.0020	0.00050	mg/L		10/11/22 09:02	10/12/22 18:31	1
Calcium	**384**		5.0	1.0	mg/L		10/11/22 09:02	10/14/22 13:10	10
Chromium	**0.014**		0.0040	0.0010	mg/L		10/11/22 09:02	10/12/22 18:31	1
Cobalt	**0.023**		0.0040	0.00063	mg/L		10/11/22 09:02	10/12/22 18:31	1
Copper	**0.0057**	J	0.010	0.0016	mg/L		10/11/22 09:02	10/12/22 18:31	1
Iron	**1820**		0.50	0.19	mg/L		10/11/22 09:02	10/14/22 13:10	10
Lead	ND		0.10	0.030	mg/L		10/11/22 09:02	10/14/22 13:10	10
Magnesium	**840**		2.0	0.43	mg/L		10/11/22 09:02	10/14/22 13:10	10
Manganese	**19.0**	B	0.0030	0.00040	mg/L		10/11/22 09:02	10/12/22 18:31	1
Nickel	**0.042**	J	0.10	0.013	mg/L		10/11/22 09:02	10/14/22 13:10	10
Potassium	**151**		5.0	1.0	mg/L		10/11/22 09:02	10/14/22 13:10	10
Selenium	**0.0096**	J	0.025	0.0087	mg/L		10/11/22 09:02	10/12/22 18:31	1
Silver	**0.0017**	J	0.0060	0.0017	mg/L		10/11/22 09:02	10/14/22 13:06	1
Sodium	**134**		10.0	3.2	mg/L		10/11/22 09:02	10/14/22 13:10	10
Thallium	ND		0.20	0.10	mg/L		10/11/22 09:02	10/14/22 13:10	10
Vanadium	**0.046**	J	0.050	0.015	mg/L		10/11/22 09:02	10/14/22 13:10	10
Zinc	**0.041**		0.010	0.0015	mg/L		10/11/22 09:02	10/12/22 18:31	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-03

Date Collected: 10/05/22 11:45
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-4

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 13:43	1

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: DUP

Date Collected: 10/05/22 00:00
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-5

Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/10/22 08:38	10/12/22 19:15	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/10/22 08:38	10/12/22 19:15	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 19:15	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/22 08:38	10/12/22 19:15	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 19:15	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/10/22 08:38	10/12/22 19:15	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 19:15	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 19:15	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 19:15	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 19:15	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/22 08:38	10/12/22 19:15	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 19:15	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/22 08:38	10/12/22 19:15	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/22 08:38	10/12/22 19:15	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/12/22 19:15	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 19:15	1
3-Nitroaniline	ND		10	0.48	ug/L		10/10/22 08:38	10/12/22 19:15	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 19:15	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 19:15	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/22 08:38	10/12/22 19:15	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 19:15	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 19:15	1
4-Methylphenol	ND		10	0.36	ug/L		10/10/22 08:38	10/12/22 19:15	1
4-Nitroaniline	ND		10	0.25	ug/L		10/10/22 08:38	10/12/22 19:15	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/22 08:38	10/12/22 19:15	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/22 08:38	10/12/22 19:15	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/22 08:38	10/12/22 19:15	1
Acetophenone	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 19:15	1
Anthracene	ND		5.0	0.28	ug/L		10/10/22 08:38	10/12/22 19:15	1
Atrazine	ND		5.0	0.46	ug/L		10/10/22 08:38	10/12/22 19:15	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/10/22 08:38	10/12/22 19:15	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 19:15	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 19:15	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 19:15	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 19:15	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/22 08:38	10/12/22 19:15	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/22 08:38	10/12/22 19:15	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 19:15	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 19:15	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/22 08:38	10/12/22 19:15	1
Caprolactam	ND		5.0	2.2	ug/L		10/10/22 08:38	10/12/22 19:15	1
Carbazole	ND		5.0	0.30	ug/L		10/10/22 08:38	10/12/22 19:15	1
Chrysene	ND		5.0	0.33	ug/L		10/10/22 08:38	10/12/22 19:15	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/22 08:38	10/12/22 19:15	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/10/22 08:38	10/12/22 19:15	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 19:15	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/22 08:38	10/12/22 19:15	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/22 08:38	10/12/22 19:15	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 19:15	1

Client Sample ID: DUP

Date Collected: 10/05/22 00:00
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-5

Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/12/22 19:15	1
Fluorene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/12/22 19:15	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 19:15	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/22 08:38	10/12/22 19:15	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 19:15	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/22 08:38	10/12/22 19:15	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/12/22 19:15	1
Isophorone	ND		5.0	0.43	ug/L		10/10/22 08:38	10/12/22 19:15	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/22 08:38	10/12/22 19:15	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/22 08:38	10/12/22 19:15	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/22 08:38	10/12/22 19:15	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/22 08:38	10/12/22 19:15	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/12/22 19:15	1
Phenanthrene	ND		5.0	0.44	ug/L		10/10/22 08:38	10/12/22 19:15	1
Phenol	ND		5.0	0.39	ug/L		10/10/22 08:38	10/12/22 19:15	1
Pyrene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/12/22 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/10/22 08:38*	*10/12/22 19:15*	*1*
Phenol-d5 (Surr)	*46*		*22 - 120*	*10/10/22 08:38*	*10/12/22 19:15*	*1*
p-Terphenyl-d14 (Surr)	*61*		*60 - 148*	*10/10/22 08:38*	*10/12/22 19:15*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*41 - 120*	*10/10/22 08:38*	*10/12/22 19:15*	*1*
2-Fluorobiphenyl (Surr)	*87*		*48 - 120*	*10/10/22 08:38*	*10/12/22 19:15*	*1*
2-Fluorophenol (Surr)	*60*		*35 - 120*	*10/10/22 08:38*	*10/12/22 19:15*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.35**		0.20	0.060	mg/L		10/11/22 09:02	10/12/22 18:43	1
Antimony	ND		0.020	0.0068	mg/L		10/11/22 09:02	10/12/22 18:43	1
Arsenic	ND		0.015	0.0056	mg/L		10/11/22 09:02	10/12/22 18:43	1
Barium	**0.050**		0.0020	0.00070	mg/L		10/11/22 09:02	10/12/22 18:43	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/22 09:02	10/12/22 18:43	1
Cadmium	ND		0.0020	0.00050	mg/L		10/11/22 09:02	10/12/22 18:43	1
Calcium	**329**		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:43	1
Chromium	ND		0.0040	0.0010	mg/L		10/11/22 09:02	10/12/22 18:43	1
Cobalt	**0.0078**		0.0040	0.00063	mg/L		10/11/22 09:02	10/12/22 18:43	1
Copper	ND		0.010	0.0016	mg/L		10/11/22 09:02	10/12/22 18:43	1
Iron	**18.7**		0.050	0.019	mg/L		10/11/22 09:02	10/12/22 18:43	1
Lead	**0.0036**	J	0.010	0.0030	mg/L		10/11/22 09:02	10/14/22 13:17	1
Magnesium	**67.4**		0.20	0.043	mg/L		10/11/22 09:02	10/12/22 18:43	1
Manganese	**5.0**	B	0.0030	0.00040	mg/L		10/11/22 09:02	10/12/22 18:43	1
Nickel	**0.0021**	J	0.010	0.0013	mg/L		10/11/22 09:02	10/12/22 18:43	1
Potassium	**20.6**		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 18:43	1
Selenium	ND		0.025	0.0087	mg/L		10/11/22 09:02	10/12/22 18:43	1
Silver	ND		0.0060	0.0017	mg/L		10/11/22 09:02	10/12/22 18:43	1
Sodium	**34.5**		1.0	0.32	mg/L		10/11/22 09:02	10/12/22 18:43	1
Thallium	ND		0.020	0.010	mg/L		10/11/22 09:02	10/12/22 18:43	1
Vanadium	ND		0.0050	0.0015	mg/L		10/11/22 09:02	10/12/22 18:43	1
Zinc	**0.010**		0.010	0.0015	mg/L		10/11/22 09:02	10/12/22 18:43	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: DUP

Date Collected: 10/05/22 00:00
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-5

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 13:44	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		NBZ	PHL	TPHd14	TBP	FBP	2FP		
Lab Sample ID	Client Sample ID	(46-120)	(22-120)	(60-148)	(41-120)	(48-120)	(35-120)		
480-202445-1	MW-5R	66	38	72	72	80	50		
480-202445-2	MW-07	78	47	75	82	91	61		
480-202445-3	MW-08	72	53	68	85	84	68		
480-202445-4	MW-03	63	40	80	79	73	51		
480-202445-5	DUP	76	46	61	76	87	60		
LCS 480-644643/2-A	Lab Control Sample	85	47	101	79	100	49		
MB 480-644643/1-A	Method Blank	79	49	101	67	90	65		

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-644643/1-A
Matrix: Water
Analysis Batch: 644811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		10/10/22 08:38	10/11/22 14:47	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/10/22 08:38	10/11/22 14:47	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/11/22 14:47	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/22 08:38	10/11/22 14:47	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/22 08:38	10/11/22 14:47	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/10/22 08:38	10/11/22 14:47	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/11/22 14:47	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/22 08:38	10/11/22 14:47	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/11/22 14:47	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/22 08:38	10/11/22 14:47	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/22 08:38	10/11/22 14:47	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/10/22 08:38	10/11/22 14:47	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/22 08:38	10/11/22 14:47	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/22 08:38	10/11/22 14:47	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/22 08:38	10/11/22 14:47	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/10/22 08:38	10/11/22 14:47	1
3-Nitroaniline	ND		10	0.48	ug/L		10/10/22 08:38	10/11/22 14:47	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/22 08:38	10/11/22 14:47	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/22 08:38	10/11/22 14:47	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/22 08:38	10/11/22 14:47	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/22 08:38	10/11/22 14:47	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/22 08:38	10/11/22 14:47	1
4-Methylphenol	ND		10	0.36	ug/L		10/10/22 08:38	10/11/22 14:47	1
4-Nitroaniline	ND		10	0.25	ug/L		10/10/22 08:38	10/11/22 14:47	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/22 08:38	10/11/22 14:47	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/22 08:38	10/11/22 14:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/22 08:38	10/11/22 14:47	1
Acetophenone	ND		5.0	0.54	ug/L		10/10/22 08:38	10/11/22 14:47	1
Anthracene	ND		5.0	0.28	ug/L		10/10/22 08:38	10/11/22 14:47	1
Atrazine	ND		5.0	0.46	ug/L		10/10/22 08:38	10/11/22 14:47	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/10/22 08:38	10/11/22 14:47	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/11/22 14:47	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/11/22 14:47	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/11/22 14:47	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/22 08:38	10/11/22 14:47	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/22 08:38	10/11/22 14:47	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/22 08:38	10/11/22 14:47	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/22 08:38	10/11/22 14:47	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/22 08:38	10/11/22 14:47	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/22 08:38	10/11/22 14:47	1
Caprolactam	ND		5.0	2.2	ug/L		10/10/22 08:38	10/11/22 14:47	1
Carbazole	ND		5.0	0.30	ug/L		10/10/22 08:38	10/11/22 14:47	1
Chrysene	ND		5.0	0.33	ug/L		10/10/22 08:38	10/11/22 14:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/22 08:38	10/11/22 14:47	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/10/22 08:38	10/11/22 14:47	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/22 08:38	10/11/22 14:47	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/22 08:38	10/11/22 14:47	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/22 08:38	10/11/22 14:47	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-644643/1-A
Matrix: Water
Analysis Batch: 644811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/10/22 08:38	10/11/22 14:47	1
Fluoranthene	ND		5.0	0.40	ug/L		10/10/22 08:38	10/11/22 14:47	1
Fluorene	ND		5.0	0.36	ug/L		10/10/22 08:38	10/11/22 14:47	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/22 08:38	10/11/22 14:47	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/22 08:38	10/11/22 14:47	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/22 08:38	10/11/22 14:47	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/22 08:38	10/11/22 14:47	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/22 08:38	10/11/22 14:47	1
Isophorone	ND		5.0	0.43	ug/L		10/10/22 08:38	10/11/22 14:47	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/22 08:38	10/11/22 14:47	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/22 08:38	10/11/22 14:47	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/22 08:38	10/11/22 14:47	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/22 08:38	10/11/22 14:47	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/22 08:38	10/11/22 14:47	1
Phenanthrene	ND		5.0	0.44	ug/L		10/10/22 08:38	10/11/22 14:47	1
Phenol	ND		5.0	0.39	ug/L		10/10/22 08:38	10/11/22 14:47	1
Pyrene	ND		5.0	0.34	ug/L		10/10/22 08:38	10/11/22 14:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/10/22 08:38*	*10/11/22 14:47*	*1*
Phenol-d5 (Surr)	*49*		*22 - 120*	*10/10/22 08:38*	*10/11/22 14:47*	*1*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*	*10/10/22 08:38*	*10/11/22 14:47*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*41 - 120*	*10/10/22 08:38*	*10/11/22 14:47*	*1*
2-Fluorobiphenyl (Surr)	*90*		*48 - 120*	*10/10/22 08:38*	*10/11/22 14:47*	*1*
2-Fluorophenol (Surr)	*65*		*35 - 120*	*10/10/22 08:38*	*10/11/22 14:47*	*1*

Lab Sample ID: LCS 480-644643/2-A
Matrix: Water
Analysis Batch: 645038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	32.0	30.7		ug/L		96	59 - 120
bis (2-chloroisopropyl) ether	32.0	29.6		ug/L		92	21 - 136
2,4,5-Trichlorophenol	32.0	25.0		ug/L		78	65 - 126
2,4,6-Trichlorophenol	32.0	20.9		ug/L		65	64 - 120
2,4-Dichlorophenol	32.0	25.1		ug/L		78	63 - 120
2,4-Dimethylphenol	32.0	32.0		ug/L		100	47 - 120
2,4-Dinitrophenol	64.0	48.0		ug/L		75	31 - 137
2,4-Dinitrotoluene	32.0	36.1		ug/L		113	69 - 120
2,6-Dinitrotoluene	32.0	34.8		ug/L		109	68 - 120
2-Chloronaphthalene	32.0	31.1		ug/L		97	58 - 120
2-Chlorophenol	32.0	21.3		ug/L		67	48 - 120
2-Methylphenol	32.0	25.7		ug/L		80	39 - 120
2-Methylnaphthalene	32.0	29.1		ug/L		91	59 - 120
2-Nitroaniline	32.0	33.5		ug/L		105	54 - 127
2-Nitrophenol	32.0	25.3		ug/L		79	52 - 125
3,3'-Dichlorobenzidine	64.0	61.2		ug/L		96	49 - 135
3-Nitroaniline	32.0	28.2		ug/L		88	51 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-644643/2-A
Matrix: Water
Analysis Batch: 645038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	64.0	53.6		ug/L		84	46 - 136
4-Bromophenyl phenyl ether	32.0	33.8		ug/L		106	65 - 120
4-Chloro-3-methylphenol	32.0	29.1		ug/L		91	61 - 123
4-Chloroaniline	32.0	23.0		ug/L		72	30 - 120
4-Chlorophenyl phenyl ether	32.0	30.8		ug/L		96	62 - 120
4-Methylphenol	32.0	25.8		ug/L		81	29 - 131
4-Nitroaniline	32.0	31.0		ug/L		97	65 - 120
4-Nitrophenol	64.0	31.2		ug/L		49	45 - 120
Acenaphthene	32.0	31.0		ug/L		97	60 - 120
Acenaphthylene	32.0	31.4		ug/L		98	63 - 120
Acetophenone	32.0	32.6		ug/L		102	45 - 120
Anthracene	32.0	32.7		ug/L		102	67 - 120
Atrazine	64.0	71.6		ug/L		112	71 - 130
Benzaldehyde	64.0	56.1		ug/L		88	10 - 140
Benzo[a]anthracene	32.0	33.1		ug/L		103	70 - 121
Benzo[a]pyrene	32.0	33.4		ug/L		104	60 - 123
Benzo[b]fluoranthene	32.0	33.6		ug/L		105	66 - 126
Benzo[g,h,i]perylene	32.0	32.9		ug/L		103	66 - 150
Benzo[k]fluoranthene	32.0	33.0		ug/L		103	65 - 124
Bis(2-chloroethoxy)methane	32.0	32.4		ug/L		101	50 - 128
Bis(2-chloroethyl)ether	32.0	35.0		ug/L		109	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.1		ug/L		97	63 - 139
Butyl benzyl phthalate	32.0	32.4		ug/L		101	70 - 129
Caprolactam	64.0	23.4		ug/L		37	22 - 120
Carbazole	32.0	34.5		ug/L		108	66 - 123
Chrysene	32.0	32.0		ug/L		100	69 - 120
Dibenz(a,h)anthracene	32.0	33.3		ug/L		104	65 - 135
Di-n-butyl phthalate	32.0	33.3		ug/L		104	69 - 131
Di-n-octyl phthalate	32.0	31.5		ug/L		99	63 - 140
Dibenzofuran	32.0	31.6		ug/L		99	66 - 120
Diethyl phthalate	32.0	32.9		ug/L		103	59 - 127
Dimethyl phthalate	32.0	34.2		ug/L		107	68 - 120
Fluoranthene	32.0	34.4		ug/L		108	69 - 126
Fluorene	32.0	31.3		ug/L		98	66 - 120
Hexachlorobenzene	32.0	32.7		ug/L		102	61 - 120
Hexachlorobutadiene	32.0	25.2		ug/L		79	35 - 120
Hexachlorocyclopentadiene	32.0	23.4		ug/L		73	31 - 120
Hexachloroethane	32.0	21.8		ug/L		68	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	33.2		ug/L		104	69 - 146
Isophorone	32.0	34.1		ug/L		107	55 - 120
N-Nitrosodi-n-propylamine	32.0	32.8		ug/L		103	32 - 140
N-Nitrosodiphenylamine	32.0	33.5		ug/L		105	61 - 120
Naphthalene	32.0	29.6		ug/L		92	57 - 120
Nitrobenzene	32.0	32.6		ug/L		102	53 - 123
Pentachlorophenol	64.0	39.8		ug/L		62	29 - 136
Phenanthrene	32.0	31.9		ug/L		100	68 - 120
Phenol	32.0	15.5		ug/L		48	17 - 120
Pyrene	32.0	31.1		ug/L		97	70 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-644643/2-A
Matrix: Water
Analysis Batch: 645038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644643

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*
Phenol-d5 (Surr)	*47*		*22 - 120*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*
2,4,6-Tribromophenol (Surr)	*79*		*41 - 120*
2-Fluorobiphenyl (Surr)	*100*		*48 - 120*
2-Fluorophenol (Surr)	*49*		*35 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-644708/1-A
Matrix: Water
Analysis Batch: 645252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/11/22 09:02	10/12/22 17:36	1
Antimony	ND		0.020	0.0068	mg/L		10/11/22 09:02	10/12/22 17:36	1
Arsenic	ND		0.015	0.0056	mg/L		10/11/22 09:02	10/12/22 17:36	1
Barium	ND		0.0020	0.00070	mg/L		10/11/22 09:02	10/12/22 17:36	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/22 09:02	10/12/22 17:36	1
Cadmium	ND		0.0020	0.00050	mg/L		10/11/22 09:02	10/12/22 17:36	1
Calcium	ND		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 17:36	1
Chromium	ND		0.0040	0.0010	mg/L		10/11/22 09:02	10/12/22 17:36	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/22 09:02	10/12/22 17:36	1
Copper	ND		0.010	0.0016	mg/L		10/11/22 09:02	10/12/22 17:36	1
Iron	ND		0.050	0.019	mg/L		10/11/22 09:02	10/12/22 17:36	1
Lead	ND		0.010	0.0030	mg/L		10/11/22 09:02	10/12/22 17:36	1
Magnesium	ND		0.20	0.043	mg/L		10/11/22 09:02	10/12/22 17:36	1
Manganese	0.000540	J	0.0030	0.00040	mg/L		10/11/22 09:02	10/12/22 17:36	1
Nickel	ND		0.010	0.0013	mg/L		10/11/22 09:02	10/12/22 17:36	1
Potassium	ND		0.50	0.10	mg/L		10/11/22 09:02	10/12/22 17:36	1
Selenium	ND		0.025	0.0087	mg/L		10/11/22 09:02	10/12/22 17:36	1
Silver	ND		0.0060	0.0017	mg/L		10/11/22 09:02	10/12/22 17:36	1
Sodium	ND		1.0	0.32	mg/L		10/11/22 09:02	10/12/22 17:36	1
Thallium	ND		0.020	0.010	mg/L		10/11/22 09:02	10/12/22 17:36	1
Vanadium	ND		0.0050	0.0015	mg/L		10/11/22 09:02	10/12/22 17:36	1
Zinc	ND		0.010	0.0015	mg/L		10/11/22 09:02	10/12/22 17:36	1

Lab Sample ID: LCS 480-644708/2-A
Matrix: Water
Analysis Batch: 645252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	10.26		mg/L		102	80 - 120
Antimony	0.200	0.206		mg/L		103	80 - 120
Arsenic	0.201	0.204		mg/L		102	80 - 120
Barium	0.200	0.218		mg/L		109	80 - 120
Beryllium	0.200	0.214		mg/L		107	80 - 120
Cadmium	0.200	0.198		mg/L		99	80 - 120
Calcium	10.0	9.98		mg/L		100	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-644708/2-A
Matrix: Water
Analysis Batch: 645252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.200	0.197		mg/L		98	80 - 120
Copper	0.200	0.207		mg/L		103	80 - 120
Iron	10.0	10.27		mg/L		103	80 - 120
Lead	0.201	0.192		mg/L		96	80 - 120
Magnesium	10.0	9.87		mg/L		99	80 - 120
Manganese	0.200	0.212		mg/L		106	80 - 120
Nickel	0.200	0.195		mg/L		98	80 - 120
Potassium	10.0	10.03		mg/L		100	80 - 120
Selenium	0.200	0.195		mg/L		97	80 - 120
Silver	0.0500	0.0515		mg/L		103	80 - 120
Sodium	10.0	9.81		mg/L		98	80 - 120
Thallium	0.200	0.199		mg/L		99	80 - 120
Vanadium	0.201	0.198		mg/L		99	80 - 120
Zinc	0.200	0.198		mg/L		99	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-644831/1-A
Matrix: Water
Analysis Batch: 644973

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644831

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 13:20	1

Lab Sample ID: LCS 480-644831/2-A
Matrix: Water
Analysis Batch: 644973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644831

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00667	0.00665		mg/L		100	80 - 120

GC/MS Semi VOA

Prep Batch: 644643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-1	MW-5R	Total/NA	Water	3510C	
480-202445-2	MW-07	Total/NA	Water	3510C	
480-202445-3	MW-08	Total/NA	Water	3510C	
480-202445-4	MW-03	Total/NA	Water	3510C	
480-202445-5	DUP	Total/NA	Water	3510C	
MB 480-644643/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-644643/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 644811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-644643/1-A	Method Blank	Total/NA	Water	8270D	644643

Analysis Batch: 644815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-1	MW-5R	Total/NA	Water	8270D	644643
480-202445-2	MW-07	Total/NA	Water	8270D	644643
480-202445-3	MW-08	Total/NA	Water	8270D	644643
480-202445-4	MW-03	Total/NA	Water	8270D	644643
480-202445-5	DUP	Total/NA	Water	8270D	644643

Analysis Batch: 645038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-644643/2-A	Lab Control Sample	Total/NA	Water	8270D	644643

Metals

Prep Batch: 644708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-1	MW-5R	Total/NA	Water	3005A	
480-202445-2	MW-07	Total/NA	Water	3005A	
480-202445-3	MW-08	Total/NA	Water	3005A	
480-202445-4	MW-03	Total/NA	Water	3005A	
480-202445-5	DUP	Total/NA	Water	3005A	
MB 480-644708/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-644708/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 644831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-1	MW-5R	Total/NA	Water	7470A	
480-202445-2	MW-07	Total/NA	Water	7470A	
480-202445-3	MW-08	Total/NA	Water	7470A	
480-202445-4	MW-03	Total/NA	Water	7470A	
480-202445-5	DUP	Total/NA	Water	7470A	
MB 480-644831/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-644831/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 644973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-1	MW-5R	Total/NA	Water	7470A	644831
480-202445-2	MW-07	Total/NA	Water	7470A	644831
480-202445-3	MW-08	Total/NA	Water	7470A	644831

Metals (Continued)

Analysis Batch: 644973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-4	MW-03	Total/NA	Water	7470A	644831
480-202445-5	DUP	Total/NA	Water	7470A	644831
MB 480-644831/1-A	Method Blank	Total/NA	Water	7470A	644831
LCS 480-644831/2-A	Lab Control Sample	Total/NA	Water	7470A	644831

Analysis Batch: 645252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-1	MW-5R	Total/NA	Water	6010C	644708
480-202445-2	MW-07	Total/NA	Water	6010C	644708
480-202445-3	MW-08	Total/NA	Water	6010C	644708
480-202445-4	MW-03	Total/NA	Water	6010C	644708
480-202445-5	DUP	Total/NA	Water	6010C	644708
MB 480-644708/1-A	Method Blank	Total/NA	Water	6010C	644708
LCS 480-644708/2-A	Lab Control Sample	Total/NA	Water	6010C	644708

Analysis Batch: 645551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202445-1	MW-5R	Total/NA	Water	6010C	644708
480-202445-2	MW-07	Total/NA	Water	6010C	644708
480-202445-3	MW-08	Total/NA	Water	6010C	644708
480-202445-4	MW-03	Total/NA	Water	6010C	644708
480-202445-4	MW-03	Total/NA	Water	6010C	644708
480-202445-5	DUP	Total/NA	Water	6010C	644708

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-5R
Date Collected: 10/05/22 09:25
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			644643	MS	EET BUF	10/10/22 08:38
Total/NA	Analysis	8270D		1	644815	RJS	EET BUF	10/12/22 17:23
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645551	LMH	EET BUF	10/14/22 12:54
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645252	BMB	EET BUF	10/12/22 18:19
Total/NA	Prep	7470A			644831	NVK	EET BUF	10/11/22 10:36
Total/NA	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 13:39

Client Sample ID: MW-07
Date Collected: 10/05/22 10:15
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			644643	MS	EET BUF	10/10/22 08:38
Total/NA	Analysis	8270D		1	644815	RJS	EET BUF	10/12/22 17:51
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645551	LMH	EET BUF	10/14/22 12:58
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645252	BMB	EET BUF	10/12/22 18:23
Total/NA	Prep	7470A			644831	NVK	EET BUF	10/11/22 10:36
Total/NA	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 13:41

Client Sample ID: MW-08
Date Collected: 10/05/22 13:20
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			644643	MS	EET BUF	10/10/22 08:38
Total/NA	Analysis	8270D		1	644815	RJS	EET BUF	10/12/22 18:19
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645551	LMH	EET BUF	10/14/22 13:02
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645252	BMB	EET BUF	10/12/22 18:27
Total/NA	Prep	7470A			644831	NVK	EET BUF	10/11/22 10:36
Total/NA	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 13:42

Client Sample ID: MW-03
Date Collected: 10/05/22 11:45
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			644643	MS	EET BUF	10/10/22 08:38
Total/NA	Analysis	8270D		1	644815	RJS	EET BUF	10/12/22 18:48

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Client Sample ID: MW-03

Date Collected: 10/05/22 11:45
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645551	LMH	EET BUF	10/14/22 13:06
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		10	645551	LMH	EET BUF	10/14/22 13:10
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645252	BMB	EET BUF	10/12/22 18:31
Total/NA	Prep	7470A			644831	NVK	EET BUF	10/11/22 10:36
Total/NA	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 13:43

Client Sample ID: DUP

Date Collected: 10/05/22 00:00
Date Received: 10/05/22 13:40

Lab Sample ID: 480-202445-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			644643	MS	EET BUF	10/10/22 08:38
Total/NA	Analysis	8270D		1	644815	RJS	EET BUF	10/12/22 19:15
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645551	LMH	EET BUF	10/14/22 13:17
Total/NA	Prep	3005A			644708	VAK	EET BUF	10/11/22 09:02
Total/NA	Analysis	6010C		1	645252	BMB	EET BUF	10/12/22 18:43
Total/NA	Prep	7470A			644831	NVK	EET BUF	10/11/22 10:36
Total/NA	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 13:44

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

Method Summary

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: Franczyk Park site

Job ID: 480-202445-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-202445-1	MW-5R	Water	10/05/22 09:25	10/05/22 13:40
480-202445-2	MW-07	Water	10/05/22 10:15	10/05/22 13:40
480-202445-3	MW-08	Water	10/05/22 13:20	10/05/22 13:40
480-202445-4	MW-03	Water	10/05/22 11:45	10/05/22 13:40
480-202445-5	DUP	Water	10/05/22 00:00	10/05/22 13:40

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Koons	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-177904-38123.1
Client Contact: Andrew Koons	Phone: 716.417.9150	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: LaBella Associates DPC	PWSID:			Job #:
Address: 300 Pearl Street Suite 130	Due Date Requested:			
City: Buffalo	TAT Requested (days): Standard			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone: 716-768-3184(Tel)	PO #: Purchase Order not required			
Email: akoons@labellapc.com	WO #: 2223105			
Project Name: Franczyk Park site	Project #: 48025658			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOA - OLM04.2	6010C, 7470A	6010C, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	N		
MW-05R	10/5/22	0925	G	Water			X	X			
MW-07	10/5/22	1015	G	Water			X	X			
MW-06	10/5/22	1200	G	Water			X	X			
MW-03	10/5/22	1145	G	Water			X	X			
DUP	10/5/22	—	G	Water			X	X			

480-202445 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Andrew Koons	10/5/22 1340	LaBella	[illegible]	10/15/22 1740	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 5.7 #1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-202445-1

Login Number: 202445
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.7 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

APPENDIX 5

Data Usability Summary Report

` Data Validation Services
120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

November 16, 2022

Andrew Koons
Labella Associates
300 Pearl St Suite 130
Buffalo, NY 14202

RE: Validation of the Franczyk Park Site Analytical Laboratory Data
Data Usability Summary Report (DUSR)
Eurofins TestAmerica SDG No. 480-202445-1

Dear Mr. Koons:

Review has been completed for the data package generated by Eurofins TestAmerica that pertains to samples collected October 5, 2022 at the Franczyk Park site. Four aqueous samples and a field duplicate were processed for TCL semivolatiles and TAL metals. The analytical methodologies are those of the USEPA SW846.

The data package submitted by the laboratory contains full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents and the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method/Preparation Blanks
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, sample reported results are usable as reported.

Data completeness, precision, sensitivity, representativeness, reproducibility, and comparability are acceptable. Sample matrix spikes were not submitted or processed. Matrix accuracy was not evaluated.

The client sample identifications are attached to this text. Also included in this report is the client EDD.

Chain-of-Custody/Sample Receipt

A transcription error was observed on the laboratory receipt entry. The laboratory login form is not dated; the laboratory case narrative states the actual receive date.

Blind Field Duplicate

The field duplicate evaluation was performed on MW-07, and shows vorrelations are within validation guidelines.

TCL Semivolatile Analyses by EPA8270D

Surrogate and internal standard recoveries are within validation guidelines. Holding times were met. Calibration standards showed acceptable responses, and the blank shows no contamination.

Matrix spikes were not submitted. Those accuracy and precision evaluations are therefore not available.

TAL Metals Analyses by EPA 6010C and 7470A

Holding times were met. LCS recoveries are within laboratory acceptance ranges. Blanks show no contamination. Calibration standards are compliant.

Matrix spikes were not submitted. Those accuracy and precision evaluations are therefore not available.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

Attachments: Sample Identifications
Laboratory EQuIS EDD

Sample Summaries

Sample Summary

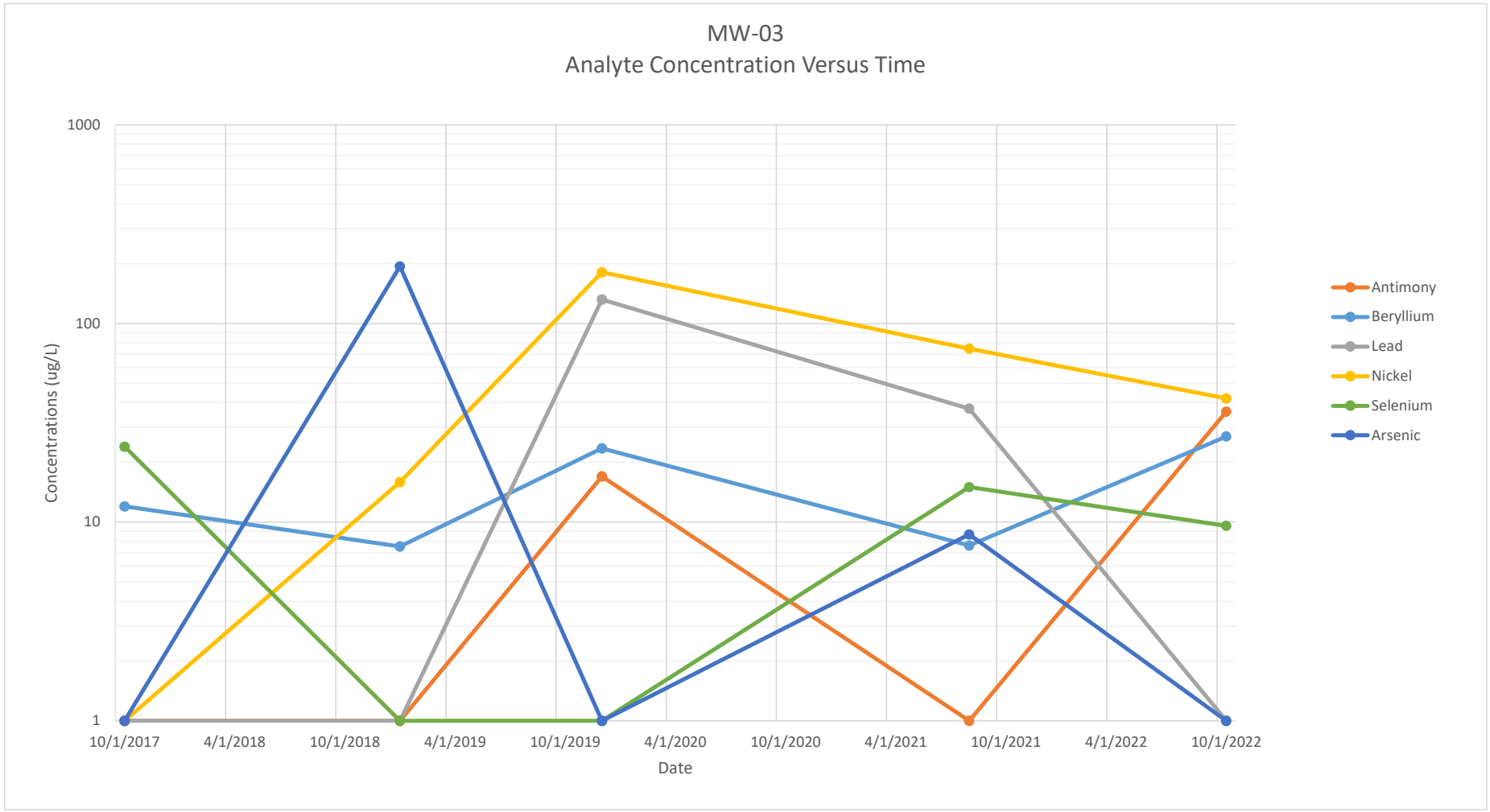
Client: LaBella Associates DPC
Project/Site: Franczyk Park site

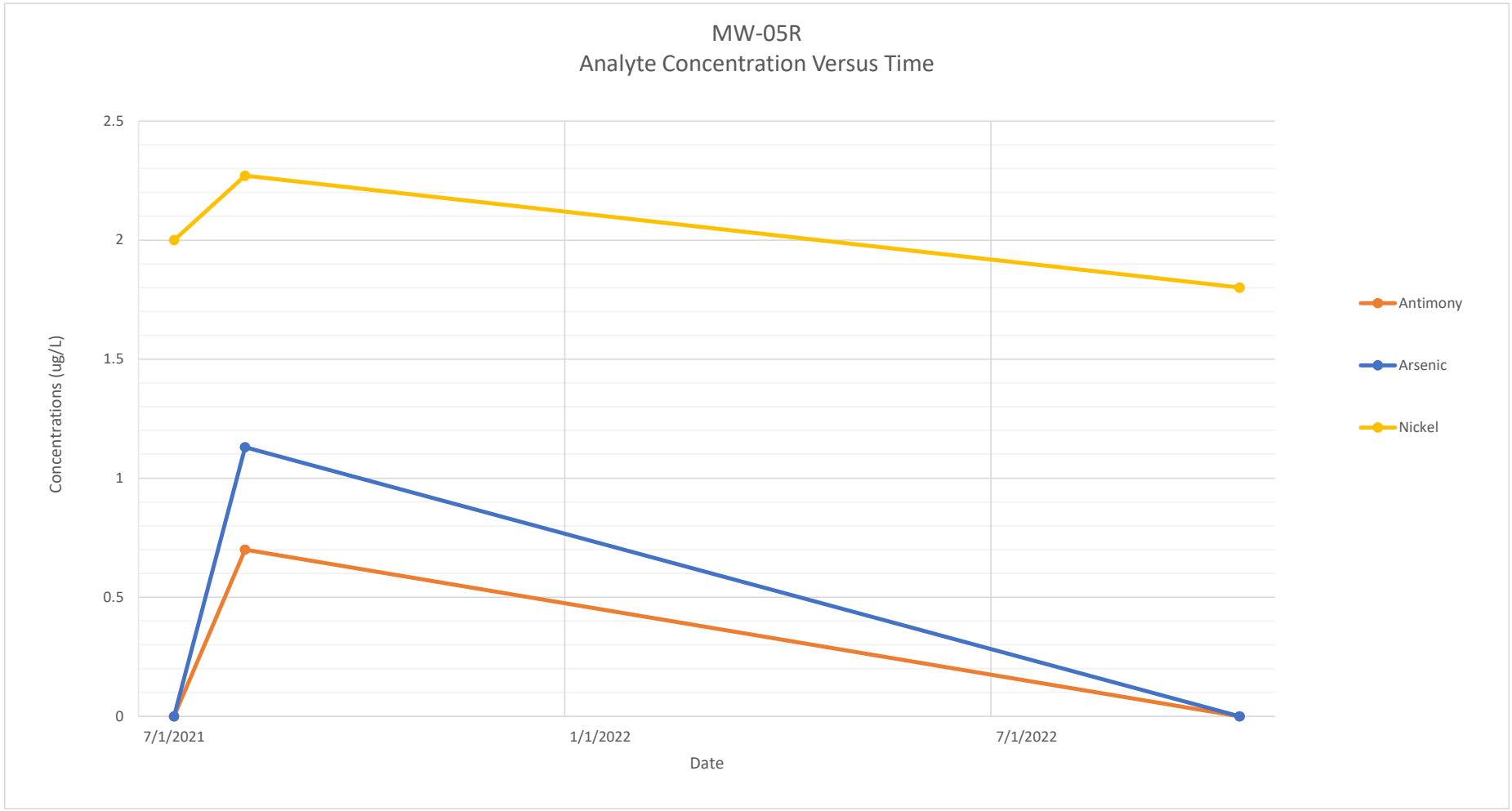
Job ID: 480-202445-1

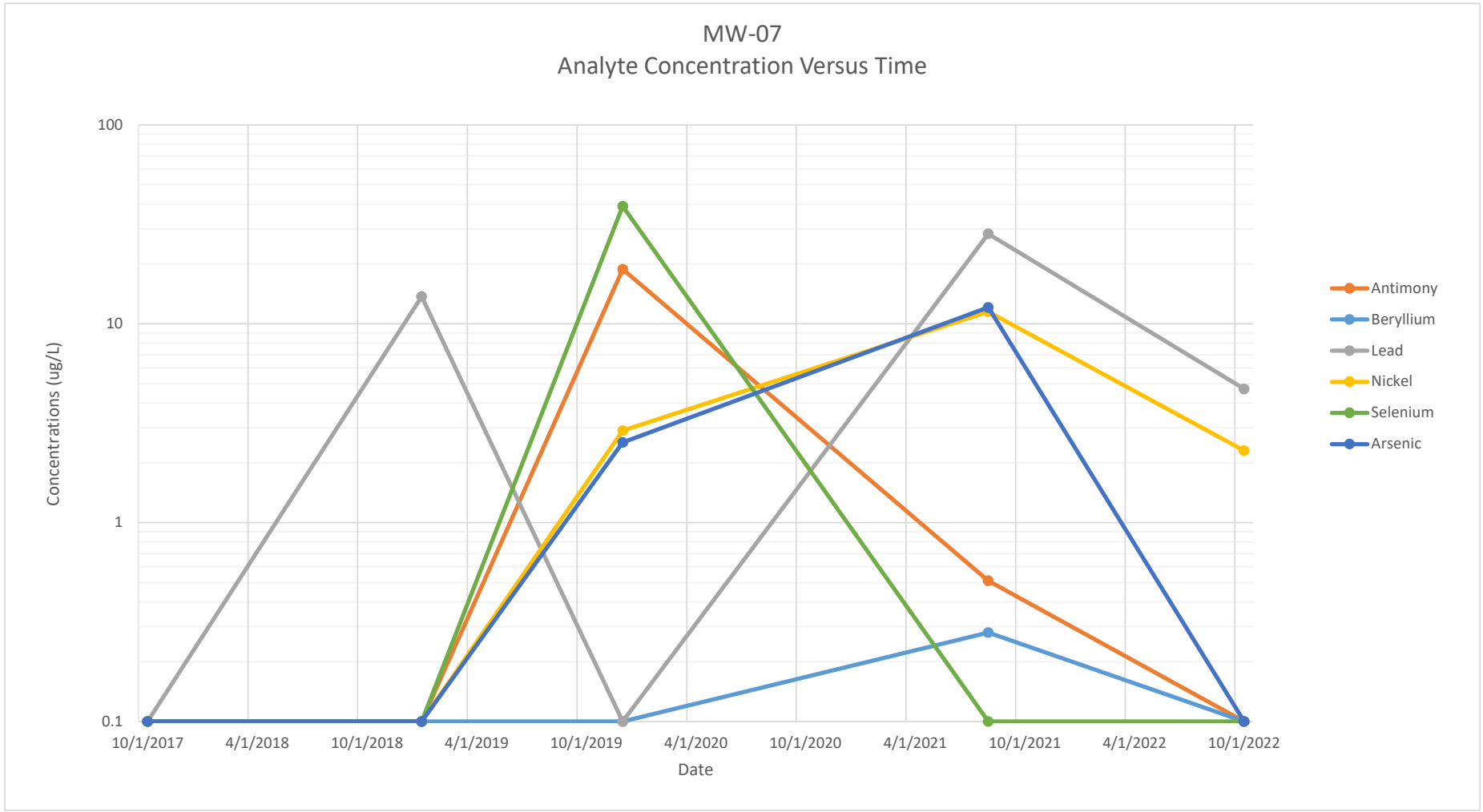
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-202445-1	MW-5R	Water	10/05/22 09:25	10/05/22 13:40
480-202445-2	MW-07	Water	10/05/22 10:15	10/05/22 13:40
480-202445-3	MW-08	Water	10/05/22 13:20	10/05/22 13:40
480-202445-4	MW-03	Water	10/05/22 11:45	10/05/22 13:40
480-202445-5	DUP	Water	10/05/22 00:00	10/05/22 13:40

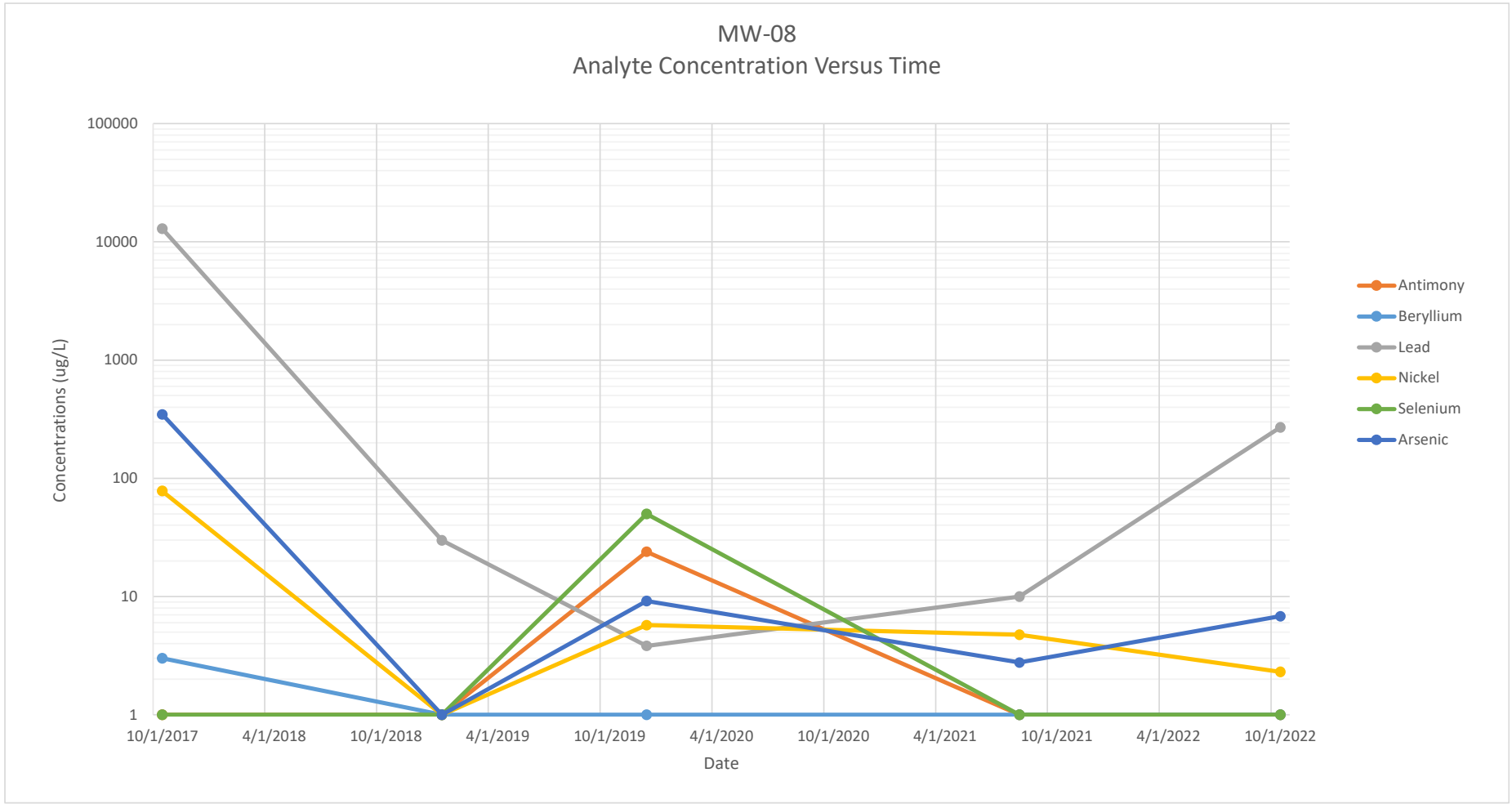
APPENDIX 6

Monitoring Well Concentration Versus Time Plots for Select Metals


MW-03
Analyte Concentration Versus Time
1000
100
10
1
Concentrations (ug/L)
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
4/1/2020
10/1/2020
4/1/2021
10/1/2021
4/1/2022
10/1/2022
Date
Antimony
Beryllium
Lead
Nickel
Selenium
Arsenic


MW-05R
Analyte Concentration Versus Time
Concentrations (ug/L)
2.5
2
1.5
1
0.5
0
7/1/2021
1/1/2022
7/1/2022
Date
Antimony
Arsenic
Nickel


MW-07
Analyte Concentration Versus Time
Concentrations (ug/L)
100
10
1
0.1
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
4/1/2020
10/1/2020
4/1/2021
10/1/2021
4/1/2022
10/1/2022
Date
Antimony
Beryllium
Lead
Nickel
Selenium
Arsenic


MW-08
Analyte Concentration Versus Time
Concentrations (ug/L)
100000
10000
1000
100
10
1
10/1/2017
4/1/2018
10/1/2018
4/1/2019
10/1/2019
4/1/2020
10/1/2020
4/1/2021
10/1/2021
4/1/2022
10/1/2022
Date
Antimony
Beryllium
Lead
Nickel
Selenium
Arsenic