POST-CLOSURE MONITORING AND MAINTENANCE PROGRAM

2024 Periodic Review Report

Reporting Period October 19, 2023, to December 19, 2024

Location:

Republic Steel/LTV Marilla Street Landfill
City of Buffalo, New York, 14207
NYSDEC Site No. 915047

Prepared for:

Source Renewables LLC
707 Westchester Avenue
White Plains, New York 10604

LaBella Project No. 2222148

February 2025 (revised June 2025)

Olympic Towers, 300 Pearl Street, Suite 130 | Buffalo, NY 14202 | p 716-551-6281 | f 716-551-6282
www.labellapc.com

Table of Contents

1.0 INTRODUCTION

LaBella Associates DPC (LaBella) has prepared this Periodic Review Report (PRR) on behalf of Source Renewables LLC (Source Renewables) to summarize the post closure status of the Republic Steel/LTV Marilla Street Landfill Site, New York State Department of Environmental Conservation (NYSDEC) Site No. 915047, located in the City of Buffalo, Erie County, New York (hereafter referred to as the "Site"). Source Renewables is the solar developer at the Site and the current Site owner is listed as Nicklaus Olmsted Buffalo. This PRR and associated Site Inspection Form has been completed for the post-closure activities at the Site for the October 19, 2023, to December 19, 2024, reporting period.

1.1 Site Background

The Republic Steel/LTV Marilla Street Landfill Site is approximately 108-acres in size and located in the City of Buffalo, Erie County, New York (Figure 1). The landfill itself is approximately 80 acres, situated approximately 1.5 miles east of Lake Erie. Railroad tracks run adjacent to the property along the west and north, and also divide the Site into different fill areas.

The landfill operated from 1930 through the summer of 1981 when it was owned by LTV Steel Company (formerly Republic Steel) and accepted wastes primarily produced by local steelmaking operations at the Buffalo Plant. Discarded wastes included construction and demolition debris, blast furnace and basic oxygen Furnace (BOF) dust, precipitator dust, clarifier sludge from the steel plant's wastewater treatment system, and railroad ties.

1.2 Regulatory History

The facility operated as an above-grade fill operation and the waste was divided by type. The landfill consists of the BOF Dust Area, the Clarifier Sludge Area, and several Miscellaneous Debris Areas as shown on the site plan in Figure 2. The Former Sediment Disposal Area is also contained within the larger Miscellaneous Debris Area west of Hopkins Street. The 5-acre BOF Dust Area was capped in 1990 in accordance with 6 NYCRR Part 373. The latter two areas encompassing the remaining landfill area were capped in 1992 and 1993, respectively, under 6 NYCRR Part 360.

LTV Steel Company entered into an Order on Consent (File No. 89-57 R9-2808-89-05) with the NYSDEC in October 1992 to perform closure and post-closure maintenance and monitoring of the site. Steelfields, LTD acquired the site from LTV Steel Company and entered into a voluntary cleanup agreement with the NYSDEC in October 2002. To date, five onsite wetlands have been remediated which involved the excavation and removal of contaminated sediments, placement of clay and topsoil, and revegetation.

2.0 MONITORING AND MAINTENANCE PROGRAM

2.1 General

Monitoring and maintenance of the Republic Steel/LTV Marilla Street Landfill operate under specific conditions specified in the Post-Closure Maintenance and Monitoring (PCMM) Plan and its modifications dated July 15, 2015 and May 22, 2017. The PCMM Plan and accepted modifications specify sampling locations, methodology, analytical requirements, laboratory quality assurance/

quality control procedures, and reporting requirements. Additionally, the PCMM Plan provides procedures for routine inspections and maintenance activities. Monitoring of surface water and shallow overburden groundwater is to be conducted annually as well as an overall site and final cover inspection. Monitoring of the deep overburden groundwater and pond sediments are conducted every third year. The next annual sampling will occur in 2025 and the next triennial sampling will occur in 2026. Sample locations are shown in Figure 2.

2.2 Surface Water

Four surface water samples are to be collected annually from the remediated wetland areas and analyzed for the set of parameters listed in Table 1. The assumed surface water flow direction is depicted on Figure 2. Should any leachate seeps be identified during the site inspection, the seeps are to be sampled for the same parameters as the surface water samples. No seeps were identified during this monitoring period. The four surface water samples are described as follows:

- SW-1 – South Pond Inlet
- SW-2A – Northern end of South Pond
- SW-3A – Southern end of Northwest Pond
- SW-5 – Northern end of Northeast Pond

Surface water samples were collected on December 4, 2024. A blind duplicate (DUP) was collected at SW-5. Field measurements were collected at each location for temperature, pH, specific conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential (ORP). Field measurements are summarized in Table 2 and field logs are provided in Appendix 1. Analytical results are summarized in Section 3.1. Laboratory Analytical Reports are included in Appendix 2.

2.3 Groundwater

Groundwater is monitored on an annual basis for the set of parameters listed in Table 1 at eight monitoring wells. Every third-year additional monitoring is conducted at seven deep overburden wells to detect downward leachate migration for the same set of parameters as the annual sampling events. The following list identifies the monitoring wells sampled annually and those that are sampled every third year:

- Annual – MW-2B, MW-3B, MW-4B, MW-6B, MW-7B, MW-15B, MW-16B, and MW-18B
- Triennial – MW-2A, MW-3A, MW-4A, MW-6A, MW-15A, MW-16A, MW-18A

Monitoring wells MW-6A and MW-6B represent the background wells for each respective water bearing units.

As requested by the NYSDEC, MW-12B was added to this annual monitoring event. Purging and sample collection of MW-12B was attempted; however, due to an obstruction in the well or a bent well raiser purging and sampling could not be conducted at this time. LaBella will attempt to remove the obstruction or utilize alternative sampling techniques to sample MW-12B during the next groundwater monitoring event. Additionally, at the request of the NYSDEC a sample was collected from MW-3B on February 15, 2024 and submitted for Per- and Polyfluoroalkyl Substances (PFAS) analysis.

Groundwater sampling was conducted between December 3 and December 4, 2024. A photoionization detector (PID) was used to measure organic vapors for each well once the well was opened. All wells were recorded at 0.0 parts per million (ppm). Following static groundwater measurements, the wells were purged using dedicated polyethylene bailers per the requirements in the PCMM Plan. During purging, field measurements were collected for temperature, pH, specific conductivity, turbidity, and ORP. Field measurements are summarized in Table 2 and field logs are provided in Appendix 1. After purging three well volumes (or to dryness), samples were placed into laboratory provided bottles and transported under chain-of-custody protocols to Eurofins Buffalo in Amherst, New York. Groundwater analytical results are summarized in Section 3.2. Laboratory Analytical Reports are included in Appendix 2.

Samples collected from MW-3B measured greater than 50 NTU in turbidity. A dissolved metals sample was collected and analyzed for this location.

2.4 Groundwater Levels and Site Hydrology

Groundwater elevation data was gathered from the eight shallow overburden as summarized in Table 3. A groundwater contour map for the shallow overburden wells are included as Figure 3. Water levels and the total depth of each well were measured from the top of the riser and were recorded in the field logs. All field logs are included in Appendix 1.

3.0 WATER QUALITY ANALYSIS

3.1 Surface Water

Surface water analytical results were compared to NYSDEC Class D Surface Water Quality Standards and Guidance Values per 6 NYCRR Part 703 and Technical and Operational Guidance Series (TOGS) 1.1.1 as shown on Table 4. All results were below the Class “D” standards, with the exception of total cyanide in SW-2A, pH in SW-3A, and total iron in all samples. Total iron was within historical ranges at all surface water locations sampled during the 2024 sampling event. Cyanide in SW-2A is inconsistently detected above laboratory detection limits but was detected outside of historical range during the 2024 sampling event. pH in SW-3A has generally decreased since 2012. Total iron continues to exhibit decreasing trends at all downstream locations. Moving average trend analysis (MATA) for the surface water sampling locations is presented in Appendix 3.

Analytical results for SW-1 (background) and downstream sampling locations are generally similar. This suggest that downstream water quality is characteristic of the water quality from upstream of the site.

3.2 Groundwater

The PCMM Plan requires the comparison of groundwater results to 6 NYCRR Part 703 Class GA Standards and Guidance Values and to the background water quality levels. According to the PCMM Plan decision tree, groundwater data which exceeds the background mean concentration (BMC) for a parameter by three standard deviations (3SDs) requires additional MATA to be performed. Groundwater analytical results are presented in Table 5 and parameter MATA tracking is summarized on Table 6. The PFAS analytical results for the sample collected from MW-3B are summarized in Table 7.

3.2.1 Comparison of Water Quality to Standards and Guidance Values

The annual samples of 2024 were compared to the 6 NYCRR Part 703 GA standards as shown in Table 5. Bold text in this table signifies exceedances of Class GA standards (where applicable), and blue and green shading signifies exceedances of the BMC and the BMC plus three standard deviations (BMC+3SDs), respectively. Exceedances to NYSEDC TOGS standards can be observed in Figure 4.

Widespread exceedances in pH, total dissolved solids (TDS), total phenols, acetone, and iron appear in both up and downgradient wells at the site. Exceedances of the Class GA standard include the following:

- MW-2B: pH, TDS, total phenols, and acetone
- MW-3B: pH, TDS, total phenols, acetone, total and soluble arsenic, total chromium, total and soluble iron, total lead, and total manganese
- MW-4B: pH, total phenols, and iron
- MW-6B: TDS, and manganese
- MW-7B: pH, TDS, total phenols, and total iron
- MW-15B: pH,TDS, total phenols, and acetone
- MW-16B: pH, TDS, total phenols, and trichloroethene (TCE)
- MW-18B: TDS, total arsenic, total iron, and total manganese

Exceedances within these wells are generally consistent with the data from previous sampling events.

3.2.2 Comparison of Water Quality to Background Mean Concentration

BMCs and BMC+3SDs were calculated using results from all available events for background monitoring well MW-6B. Background data for MW-6B is included in Appendix 4. Results exceeding BMC+3SDs indicate the need for MATA which is presented on an individual parameter basis for the overburden wells. MATA for each shallow overburden well and parameter is included in Appendix 5.

Table 6 summarizes the tracked parameters and groundwater wells that have exceeded the BMC+3SDs. After five tracked events a trend analysis is completed. Increasing linear trends in downgradient shallow wells are compared to trends in the background water quality in the upgradient well and to surface water quality. All trend analyses utilize moving average data including the current sample event data and the three preceding sampling events. Linear trend lines were developed using a least square analysis. Should increasing trends for a specific parameter be observed downgradient with opposing trends upgradient, a comparison to surface water is the next step as per the PCMM Plan decision tree. The historical surface water data for tracked parameters are included in Appendix 3.

Apparent increasing trends in downgradient wells that have exceeded the BMC+3SDs and have five tracked events include the following:

- MW-3B: TDS, TOC, total arsenic, soluble chromium, soluble iron, soluble lead, and acetone
- MW-7B: pH and specific conductance

- MW-15B: pH, specific conductance, TDS, TOC, and acetone
- MW-16B: TOC, and TCE
- MW-18B: TOC and total manganese

Increasing trends were generally matched with a corresponding increasing trend in upgradient well MW-6B, with the exception of pH in MW-7B and MW-15B, specific conductance in MW-7B and MW-15B, total arsenic in MW-3B, acetone in MW-3B and MW-15B, soluble chromium in MW-3B and TCE in MW-16B. As such, most of the increasing water quality trends identified in the downgradient wells appear to be a result of changes in water quality in the vicinity of and upgradient to the Site.

A trend for pH in MW-6B was not observed to match the increasing trends of pH in MW-7B and MW-15B. Therefore, the source of the rise in pH does not appear to be coming from upgradient of the Site. The surface water sampling locations show apparent decreasing trends for pH with the exception of SW-5. The trend for pH in MW-7B appears to have weakened and has remained generally constant since 2013. The trend for pH in MW-15B appears to have decreased and remained consistent since 2016. Based on the pH trends observed in the surface water locations and the distance of SW-5 from MW-7B and MW-15B, the increasing pH trends in these locations do not appear to be influencing the surface water at this time. LaBella will continue to monitor the trends in these locations and the surface water locations during future monitoring events.

An increasing trend for specific conductance in MW-6B was not observed to match the increasing trend for specific conductance in MW-7B and MW-15B. Therefore, the source of the rise in specific conductance does not appear to be coming from upgradient at the site. Surface water sampling locations show general upward trends. The specific conductance trends in MW-7B, MW-15B, and the surface water locations have leveled out over the past several years. LaBella will continue to monitor the trends in this location and the surface water locations during future monitoring events.

Arsenic in MW-6B and the surface water locations is typically not detected, and no increasing trends were observed. Arsenic in MW-3B has been exhibiting a decreasing trend since 2014. LaBella will continue to evaluate arsenic in MW-3B to monitor if the decreasing trend continues.

Acetone is typically not detected in MW-6B; therefore, there is no matching upgradient increasing trend to the acetone concentrations in MW-3B and MW-15B. Acetone is typically not detected in the surface water locations and no increasing trends for acetone have been observed for the surface water locations. The apparent increasing trend for acetone at MW-3B appears to have weakened since 2018. Although the MATA for acetone in MW-15B shows an increasing trend, the acetone concentrations in MW-15B have remained generally consistent for the past five years. As no increasing trends have been identified in the surface water locations, acetone in MW-3B and MW-15B do not appear to be influencing the surface water at this time. LaBella will continue to monitor acetone trends in these locations and the surface water locations during future monitoring events.

TCE is typically not detected in MW-6B; therefore, there is no matching upgradient increasing trend to TCE in MW-16B. TCE is typically not detected in the surface water locations; therefore, no increasing trends have been observed for the surface water locations. Although, TCE in MW-16B has an increasing trend, the TCE trend has generally decreased since the historical maximum detected in 2013. As no increasing trends have been identified in the surface water locations, TCE in MW-16B does not appear to be influencing the surface water at this time. LaBella will continue to monitor TCE trends in this location and the surface water locations during future monitoring events.

3.2.3 MW-3B PFAS Analysis

A groundwater sample was collected from MW-3B and submitted for PFAS analysis at the request of the NYSDEC. The PFAS analytical results are summarized on Table 7. Based on the laboratory analytical data four PFAS analytes were detected with a total PFAS concentration of 263.6 ng/L. Perfluorooctanoic Acid (PFOA) was detected at a concentration of 19 ng/L exceeding the Water Quality Guidance Value of 6.7 ng/L and Perfluorooctanesulfonic Acid (PFOS) was detected at a concentration of 2.6 ng/L, below the Water Quality Guidance Value of 2.7 ng/L. The sample analytical results from February 2024 are comparable to the results from the December 2020 sample.

4.0 POST-CLOSURE SITE INSPECTION AND MAINTENANCE

The annual post-closure site inspection was conducted on December 19, 2024. Annual post-closure site inspections are conducted in general conformance with Section 7 of the PCMM Plan. The NYSDEC agreed in 2013 that the owners' primary responsibility is the maintenance and monitoring of the landfill cap, and maintenance of the fence around the site is no longer a required element of the PCMM Plan.

The Landfill cap consists of and was completed in area-specific segments. The areas include the basic oxygen furnace (BOF) Dust Area, Miscellaneous Debris Area (including the Former Sediment Disposal Area), and Clarifier Sludge Area. The BOF Dust Area was capped in 1990 and consists of (from bottom to top) a 24-inch recompacted clay layer, a geotextile, 30-mil PVC liner, 12-inch sand drainage layer, a geotextile filter fabric, 24-inch silty-sand barrier protection layer, and 6-inch topsoil layer. The Miscellaneous Debris Area was capped at the same time as the Clarifier Sludge Area in 1992 and 1993 and consists of an 18-inch recompacted clay layer and a 12-inch topsoil layer.

As documented in the Post-Closure Inspection Report and photographs included in Appendix 6, the landfill cap, vegetation, and drainage features were observed to be in good condition. Mowing of the landfill cap vegetation was not completed during the reporting period. Mowing of the Site landfill cap will occur in late fall after August 31st as per the Post Closure Monitoring and Maintenance (PCMM) Plan. Overall, the cap appears in good repair, with a thick, vigorous, healthy vegetative cover. No woody vegetation is present on the landfill cap. Minor rutting/damaged vegetation areas were observed. These areas are minor and do not appear to affect the integrity of the landfill cover. Evidence of an animal burrowing was observed. A well on the northern side of the property was observed to be damaged. The damaged monitoring well is not included in the sampling program. Some breaches in the site fencing including fallen fencing were observed. Evidence of unauthorized dumping was observed proximate the site entrance along Hopkins Street (outside of the site boundary). The Site is currently under design for solar development. Repairs to the existing fencing, burrow, ruts, and removal of onsite debris will be addressed through the design and at the time of solar construction. If solar development is not initiated by the end of 2025, corrective measures will be completed in the Spring of 2026. No change of use, use of groundwater, excavations or import of materials occurred during this reporting period. The annual Institutional Controls/Engineering Controls (IC/ECs) Certification is appended to this report in Appendix 7.

5.0 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL

All samples were collected with the goal of obtaining representative samples of their respective media. A case narrative prepared by Eurofins Buffalo was included with the laboratory report in Appendix 2 and identified any events, such as quality control failures, which may have occurred during analysis. All data are generally unqualified or usable estimates, with only a few exceptions. Some minor QA/QC issues resulted in some of the data being qualified as estimated. These issues include the following:

- Poor surrogate recoveries in the samples
- Poor instrument response to calibrations performance
- Poor correlation between the program samples and laboratory control samples
- Calibration and CRDL recoveries that were outside QC limits

The samples and parameters that were qualified for blank contamination are listed below:

- Manganese: MW 2B, MW-3B, MW-4B, MW-6B, MW-7B, MW-16B, MW-18B, SW-1, SW-2A, SW-3A, SW-5
- TDS: MW-2B, MW-3B, MW-4B, MW-6B, MW-7B, MW-15B, MW-16B, MW-18B, SW-1, SW-2A

All groundwater and surface water intended for sampling during this monitoring event were sampled as planned, with the exception of MW-12B.

A blind duplicate sample was collected (SW-5), as well as an MS/MSD (SW-3A). A comparison of the results from the duplicate samples with the corresponding parent sample analytical results indicates that the data generally coincide.

6.0 CONCLUSIONS

Groundwater and surface water quality for the 2024 annual sampling event appeared typical for the site. Typical exceedances of the Part 703 GA standards were consistent with historic data.

Total iron remained elevated both upgradient and downgradient in groundwater and surface water. Iron is exhibiting increasing trends in the upgradient groundwater locations and upgradient surface water location; however, decreasing trends in the downgradient surface water locations. Elevated iron concentrations in the groundwater locations does not appear to be influencing the surface water at this time. LaBella will continue to monitor iron during future events.

Several parameters were detected in downgradient wells exceeding the BMC+3SDs and exhibiting increasing trends. However, increasing trends were also observed in the upgradient well for a majority of the parameters indicating the increasing trends appear to represent changes in water quality in the vicinity of the Site or a potential upgradient source. Parameters with increasing trends without a corresponding upgradient increasing trend included pH in MW-7B and MW-15B, specific conductance in MW-15B, total arsenic in MW-3B, acetone in MW-3B and MW-15B, soluble chromium

in MW-3B, and TCE in MW-16B. These parameters in these locations as well as in the surface water locations will continue to be monitored during future monitoring events.

The post-closure site inspection noted the landfill cap to be in good condition. There were no leachate seeps identified during the site investigation and the integrity of the final cover system was certified as acceptable. As the Site is planned for solar development, repairs to fencing, burrows, ruts, and the removal or onsite debris will be addressed at the time of construction. If solar development is not initiated by the end of 2025, corrective measures will be completed in the Spring of 2026.

*\\CASH.LAB\P\PNZ7\SOURCE RENEWABLES\2222148 - STEELFIELDS MARILLA ANNUAL INSPECTION\11_REPORTS\2024 PRR\2024 STEELFIELDS PRR FINAL.DOCX"

FIGURES

FIGURE 1
SITE LOCATION MAP

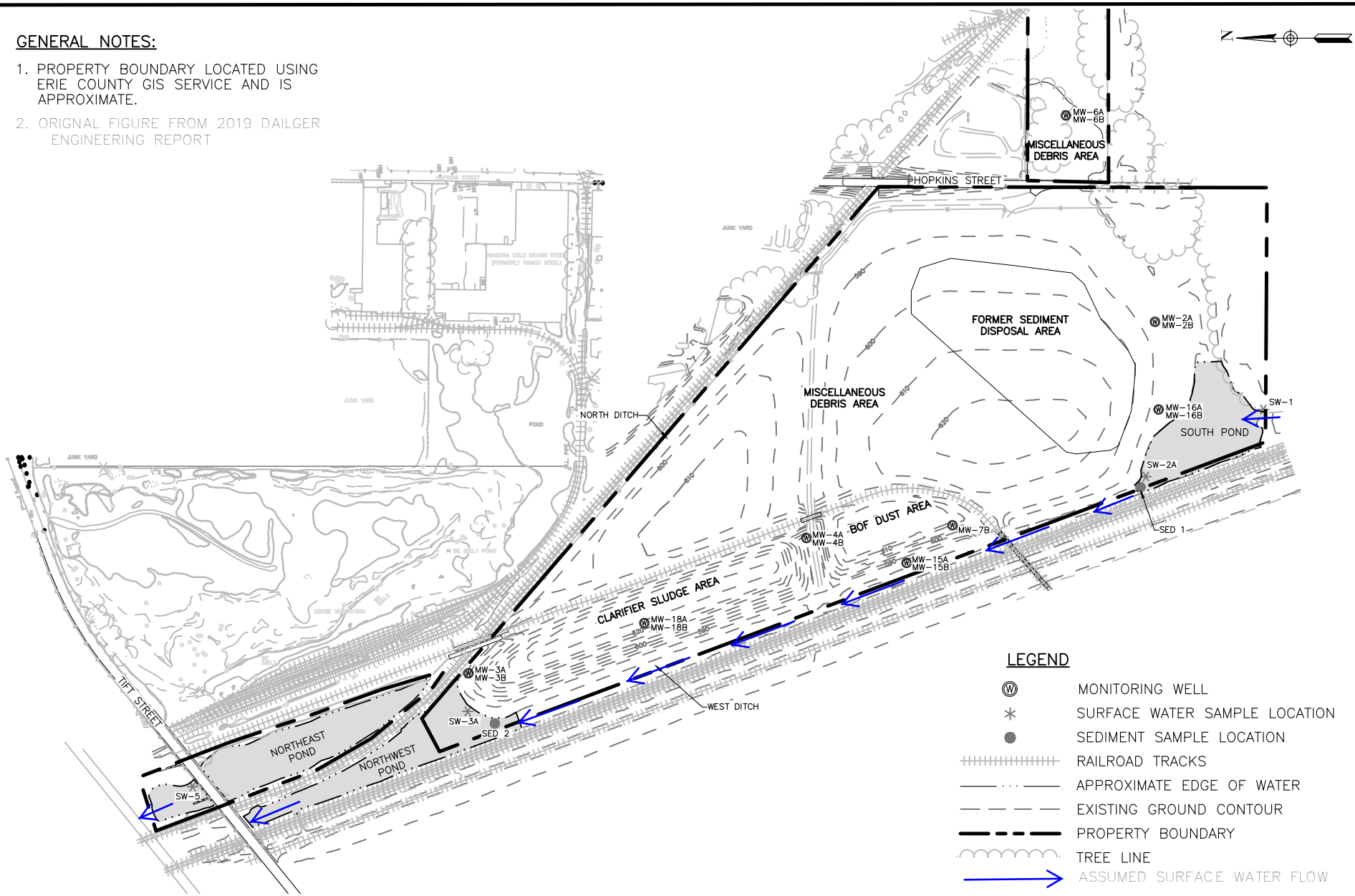
Marilla Street Landfill
Buffalo, New York, 14220

LaBella
Powered by partnership.

PROJECT NO. 2222148

GENERAL NOTES:

1. PROPERTY BOUNDARY LOCATED USING ERIE COUNTY GIS SERVICE AND IS APPROXIMATE.
2. ORIGNAL FIGURE FROM 2019 DAILGER ENGINEERING REPORT



LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NEW YORK 14202
PHONE: (716) 551-6281

SOURCE RENEWABLES		SITE PLAN	FIGURE 2
SCALE: 1" = 600'	REVISION # 0	MARILLA STREET LANDFILL	
December 2024	CITY OF BUFFALO	ERIE COUNTY	NEW YORK

Creator: EH

Path: \\cash.lab\p\PN27\Source Renewables\2222148 - Steelfields Marilla Annual Inspection\06_Drawings\DIG\Maps\APRX\2025_01\GW_Contours.aprx

LaBella
Powered by partnership.

2024 Periodic Review Report
Republic Steel/LTV
Marilla Street Landfill

Marilla Street
City of Buffalo, NY 14207
NYSDEC Site No. 915047

N

0 200 400 Feet

Legend

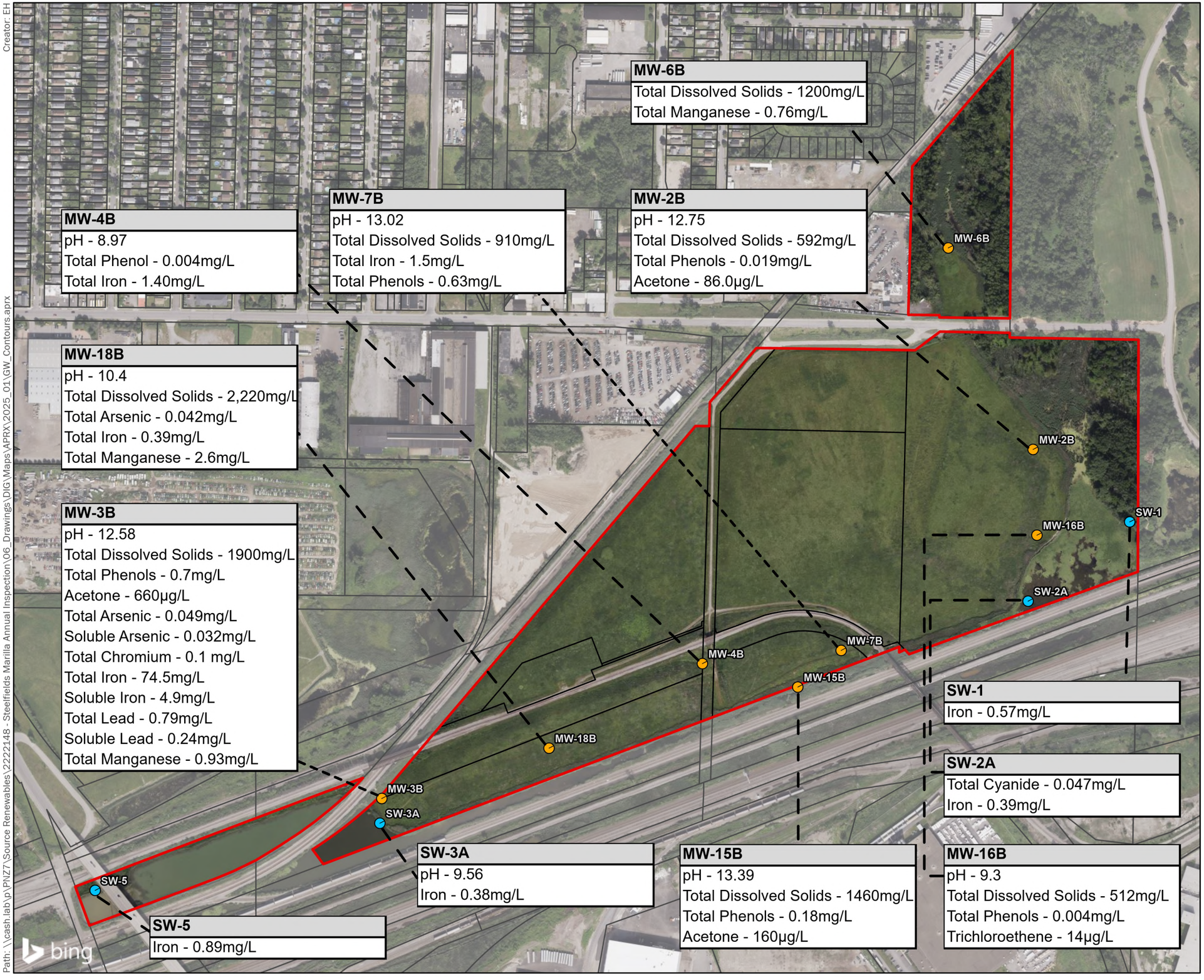
- Monitoring Well
- Groundwater Contours (ft)
- Tax Parcels
- Project Boundary

Shallow Overburden Wells Groundwater Countour Map

Figure 3

LaBella Project No: 2222148
Date: 2/4/2025

Sources: Bing 2025, Regrid 2024, LaBella 2025.



Creator: EH

Path: \\cash.lab\p\PNZ\Source Renewables\2222148 - Steelfields Marilla Annual Inspection\06_Drawings\DIG\Maps\APRX\2025_01\GW_Contours.aprx

LaBella
Powered by partnership.

2024 Periodic Review Report
Republic Steel/LTV
Marilla Street Landfill

Marilla Street
City of Buffalo, NY 14207
NYSDEC Site No. 915047

N

0 200 400 Feet

***Parameter concentrations listed exceed NYSDEC TOGS 1.1.1 Water Quality Standards**

Legend

- Approximate Location of Monitoring Well
- Approximate Location of Surface Water Sample
- Tax Parcels
- Project Boundary

Surface Water and Shallow Overburden Wells Groundwater Standard Exceedances

Figure 4

LaBella Project No: 2222148
Date: 3/18/2025

Sources: Bing 2025, Regrid 2024, LaBella 2025.

LaBella
Powered by partnership.

TABLES

LaBella
Powered by partnership.

TABLE 1
GROUNDWATER AND SURFACE WATER ANALYTICAL PARAMETERS
2024 ANNUAL SAMPLING EVENT
MARILLA STREET LANDFILL
CITY OF BUFFALO, NEW YORK

	Analytical Method	Groundwater	Surface Water
Field Parameters			
Static Water Level	Field	X	NA
pH	Field	X	X
Temperature	Field	X	X
Specific Conductance	Field	X	X
Turbidity	Field	X	X
Wet Chemistry			
Total Organic Carbon (TOC)	SM 5310 C	X	X
Total Dissolved Solids (TDS)	SM 2540 C	X	X
Total Recoverable Phenolics (TRP)	420.4	X	X
Metal - Inorganic Parameters			
Arsenic - Total and Soluble	6010C	X	X
Chromium - Total and Soluble	6010C	X	X
Cyanide - Total	335.4	X	X
Iron - Total and Soluble	6010C	X	X
Lead - Total and Soluble	6010C	X	X
Manganese - Total and Soluble	6010C	X	X
Volatile Organic Compounds (VOCs)			
TCL Method 8260C	8260C	X	X

Groundwater and surface water samples collected for inorganic analysis will be analyzed for soluble inorganics in addition to total inorganics only if field measured turbidityvalues exceed 50 NTUs.

Leachate breakouts/seeps are to be analyzed for the same parameters as Surface Water.

Measurements are the readings obtained from last bailer of water prior to sample collection time.

X = Parameters required by the Post-Closure Maintenance and Monitoring Plan and analyzed for during this sampling event

NA - Not Applicable

LaBella
Powered by partnership.

TABLE 2
SUMMARY OF FIELD MEASUREMENTS
2024 ANNUAL SAMPLING EVENT
MARILLA STREET LANDFILL
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-2B	12/4/2024	9:30	8.2	12.75	-152.8	2.027	14.82	-	Clear, colorless
MW-3B	12/4/2024	12:25	7.6	12.58	-173.9	2.388	1540.61	-	Turbid, dark reddish brown color
MW-4B	12/4/2024	11:00	11	8.97	-204.9	0.4239	23.71	-	Clear, colorless
MW-6B	12/4/2024	11:45	10	7.00	-126	1.708	4.95	-	Clear, colorless, strong sulfur odor
MW-7B	12/4/2024	10:15	8.5	13.02	-214.9	2.658	24.2	-	Clear, colorless, sulfur odor
MW-15B	12/4/2024	10:30	8.9	13.39	-220	5.66	1.52	-	Clear, colorless
MW-16B	12/4/2024	9:00	9.3	12.31	-176	1.249	12.39	-	Clear, colorless
MW-18B	12/3/2024	13:30	10.4	7.99	14.9	3.118	4.19	-	Clear, colorless
MW-12B	12/3/2024	-	-	-	-	-	-	-	-
SW-1	12/4/2024	14:30	1.3	8.78	18.9	0.657	17.1	15	Clear, colorless
SW-2A	12/4/2024	15:00	1.4	9.42	50.7	0.718	5.07	12.70	Clear, colorless
SW-3A	12/4/2024	12:30	0.2	9.56	-65.6	0.744	19.17	14.61	Clear, colorless
SW-5	12/4/2024	13:15	0.2	9.06	-1.6	0.947	51.02	13.95	Clear, colorless

Notes:
Measurements are the readings obtained from last bailer of water prior to sample collection time.
"-" indicates not measured
"*" indicates measurement collected by laboratory analysis

LaBella
Powered by partnership.

TABLE 3
GROUNDWATER ELEVATIONS
2024 ANNUAL SAMPLING EVENT SHALLOW OVERBURDEN WELLS
MARILLA STREET LANDFILL
CITY OF BUFFALO, NEW YORK

Well Identification	Top of Riser Elevation[1]	Depth to Bottom[2]	Depth to Water[2]	Water Level Elevation
MW-2B	590.86	12.32	7.9	582.96
MW-3B	588.29	12.39	7.35	580.94
MW-4B	591.89	18.90	9.82	582.07
MW-6B	597.92	18.80	13.55	584.37
MW-7B	615.76	40.31	33.94	581.82
MW-12B	-	23.20	5.14	-
MW-15B	586.78	13.47	5.45	581.33
MW-16B	588.09	14.86	6	582.09
MW-18B	627.04	52.70	45.61	581.43

Notes:

(1) - Top of Riser Elevation obtained from Daigler Engineering Annual report 2018

(2) - Feet below top of casing

(3) - No Elevation data available for MW-12B

LaBella
Powered by partnership.

TABLE 4
SURFACE WATER ANALYSIS SUMMARY
2024 ANNUAL SAMPLING RESULTS
MARILLA STREET LANDFILL
BUFFALO, NEW YORK
(Detected Parameters Only)

MONITORING LOCATIONS	SW-1	SW-2A	SW-3A	SW-5	SW Duplicate (SW-5)	NYSDEC Class "D" Surface Water Quality Standards (1)	Units
Collection Date	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024		
Water Quality							
pH	8.78	9.42	9.56	9.06	-	6.0-9.5	standard units
Specific Conductance	0.657	0.718	0.744	0.947	-	NL	S/cm
Total Cyanide	<	0.047	0.0047 J	<	<	0.022	mg/L
Total Dissolved Solids	340 B	384 B	369	450	448 B	NL	mg/L
Total Organic Carbon	8.8	6.4	5.6	4.5	4.7	NL	mg/L
Total Phenols	<	<	<	<	<	0.001	mg/L
Metals							
Iron	0.57	0.39	0.38	0.89	1.1	0.3	mg/L
Manganese	0.054 B	0.02 B	0.020 B	0.023 B	0.029B	NL	mg/L

mg/L = milligrams per liter

µg/L = micrograms per liter

=Value exceeds NYSDEC TOGS standard

NL - Indictes the no regulatory value is noted within the NYSDEC TOGS Water Quality Standards

"<" - Indicates the value is less than the reporting limit

(1) Regulatory values are from NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and

* - Class "D" standard/guidance value is expressed as a fuction of hardness. Samples were not analyzed for hardness so a guidance values can not be calculated.

LaBella
Powered by partnership.

TABLE 5
GROUNDWATER ANALYSIS SUMMARY
2024 ANNUAL SAMPLING RESULTS
MARILLA STREET LANDFILL
BUFFALO, NEW YORK

MONITORING LOCATIONS	MW-2B	MW-3B*	MW-4B	MW-6B	MW-7B	MW-15B	MW-16B	MW-18B	NYSDEC Ambient Water Quality Standards and Guidance Values (1)	BMC	BMC + 3 SDs	Units
Collection Date	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/3/2024				
Water Quality												
pH	**12.75**	**12.58**	**8.97**	7.00	**13.02**	**13.39**	**12.31**	7.99	6.5-8.5	7.16	4.727-9.591	standard units
Specific Conductance	2.0227	2.388	0.4239	1.708	2.658	5.66	1.249	3.118	NL	1.157	2.445	S/cm
Total Cyanide	<	0.023	<	<	0.031	<	0.055	0.028	0.2	0.0092	0.017	mg/L
Total Dissolved Solids	**592 B**	**1900 B**	182 B	**1200 B**	**910 B**	**1460 B**	**512 B**	**2,220 B**	500	980	1,419	mg/L
Total Organic Carbon	15.3	130	3.7	4.8	58.8	20.8	18.3	22.7	NL	6.36	13.59	mg/L
Total Phenols	**0.019**	**0.7**	**0.004 J**	<	**0.63**	**0.18**	**0.004 J**	**<**	0.001	0.0102	0.047	mg/L
VOCs (µg/L)												
2-Butanone (MEK)	7.6 J	<	<	<	<	14 J	<	<	50	10 U	10 U	µg/L
Acetone	**86.0**	**660**	3.6 J	<	33 J	**160**	<	6.9 J	50	10 U	10 U	µg/L
Carbon disulfide	1.6 J	<	0.37 J	<	<	2.3 J	<	<	60	10 U	10 U	µg/L
Trichloroethene	<	<	<	<	<	<	**14**	<	5	5 U	5 U	µg/L
Metals (mg/L)												
Total Arsenic	<	**0.049**	<	<	0.0068 J	0.0068 J	<	**0.042**	0.025	0.008	0.0186	mg/L
Soluble Arsenic	-	**0.032**	-	-	-	-	-	-	0.025	0.008^	0.0186^	mg/L
Total Chromium	<	**0.1**	<	<	0.0011 J	<	0.0012 J	<	0.05	0.0073	0.013	mg/L
Soluble Chromium	-	0.025	-	-	-	-	-	-	0.05	0.0073^	0.013^	mg/L
Total Iron	0.22	**74.5**	**1.40**	0.23	**1.5**	0.072	0.27	**0.39**	0.3	1.577	5.827	mg/L
Soluble Iron	-	**4.9**	-	-	-	-	-	-	0.3	1.577^	5.827^	mg/L
Total Lead by furnace method	<	**0.79**	<	<	0.014	<	<	<	0.025	0.0116	0.0619	mg/L
Soluble Lead by furnace method	-	**0.24**	-	-	-	-	-	-	0.025	0.0116^	0.0619^	mg/L
Total Manganese	0.0098 B	**0.93 B**	0.052 B	**0.76 B**	0.032 B	<	0.041 B	**2.6 B**	0.3	0.434	1.363	mg/L
Soluble Manganese	-	0.07 B	-	-	-	-	-	-	0.3	0.434^	1.363^	mg/L

mg/L = milligrams per liter

µg/L = micrograms per liter

NL - Indictes the no regulatory value is noted within the NYSDEC TOGS Water Quality Standards

"<" - Indicates the value is less than the reporting limit

Bold Font =Value exceeds NYSDEC TOGS standard

1 =Value exceeds Backgorund Mean and Water Quality Standard/Guidance or just Background Mean if no Standard/Guidance value

1 =Value exceeds Background Mean plus 3 Standard Deviations and Water Quality Standard/Guidance or just Background Mean plus 3 Standard Deviations if no Standard/Guidance value

(1) Regulatory values are from NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations dated June 1998.

* - Analyzed for dissolved metals

"-" - indicates not analyzed

"^" - indicates values obtained from total metals values

TABLE 6
Marilla Street Landfill 2024 Annual Sampling Event
Parameter Tracking for Moving Average Trend Analysis (MATA)

Well I.D.	Tracked Parameters	Sampling Event[4]																				No. of Tracked Events	Increasing Trend?[1]	Corresponding Increasing Trend?				
																								Upgradient Groundwater[6]	Surface Water[2]			
		Oct-01	Apr-02	Apr-03	Apr-04	Jul-05	May-06	Aug-07	May-08	Aug-10	May-12	Sep-13	Jul-14	Aug-15	Aug-16	Aug-17	Dec-18	Dec-20	May-22	Aug-23	Dec-24			MW-6B	SW-1	SW-2A	SW-3A	SW-5
Shallow Groundwater Monitoring Wells																												
MW-2B[7]	pH											X		X	X	X	X	X	X	X	X	9	No					
	Total Cyanide																		X			1	TBD					
	Total Organic Carbon											X		X	X	X	X			X	X	7	No					
	Total Recoverable Phenolics											X		X								2	TBD[3]					
	Total Chromium													X		X						2	TBD					
	Total Iron													X	X							2	TBD					
	Acetone																			X	X	2	TBD					
	Total Manganese													X								1	TBD					
MW-3B[5]	pH		X	X	X	X	X	X			X	X		X		X	X	X	X	X	X	15	No					
	Specific Conductance	X	X	X	X	X	X	X					X									8	No					
	Total Cyanide			X				X								X			X			4	TBD					
	Total Dissolved Solids		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	17	Yes	Yes	Yes	Yes	No	No
	Total Organic Carbon	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	19	Yes	Yes	Yes	Yes	Yes	No
	Total Recoverable Phenolics	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	19	No					
	Total Arsenic	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			X	X	17	Yes	No	No	No	No	No
	Total Chromium											X	X		X	X	X			X	X	7	No					
	Total Iron											X	X	X	X	X	X	X		X	X	9	No					
	Total Lead											X	X	X	X	X	X			X	X	8	No					
	Total Manganese							X		X	X	X	X	X	X							7	No					
	Soluble Arsenic											X	X	X	X	X	X			X	X	8	No					
	Soluble Lead											X	X			X	X		X	X	X	7	Yes	Yes[9]	No[9]	No[9]	No[9]	No[9]
	Soluble Chromium											X	X	X		X	X	X				6	Yes	Note 8	Note 8	Note 8	Note 8	Note 8
	Soluble Iron											X				X	X	X	X	X		6	Yes	Yes[9]	Yes[9]	No[9]	No[9]	No[9]
	2-Butanone (MEK)																		X			1	TBD					
	Acetone										X	X	X	X	X	X	X	X	X	X	X	11	Yes	Note 8	Note 8	Note 8	Note 8	Note 8
MW-4B	pH				X																	1	TBD					
	Total Organic Carbon					X																1	TBD					
	Total Recoverable Phenolics					X				X												2	TBD					
	Total Iron					X				X					X					X		4	TBD					
	Total Manganese											X	X									2	TBD					
	Soluble Iron					X	X			X												3	TBD					
MW-7B	pH	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	19	Yes	No	No	No	No	Yes
	Total Cyanide																		X			1	TBD					
	Specific Conductance	X	X	X	X	X	X					X	X	X	X			X	X		X	13	Yes	No	No	Yes	Yes	Yes
	Total Dissolved Solids			X	X	X	X					X										5	No					
	Total Organic Carbon	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	18	No					
	Acetone																			X		1	TBD					
	Total Recoverable Phenolics	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	No					
MW-15B	pH										X	X	X	X	X	X	X	X	X	X	X	11	Yes	No	No	No	No	Yes
	Specific Conductance	X	X	X	X	X	X					X	X	X	X				X	X	X	13	Yes	No	No	Yes	Yes	Yes
	Total Dissolved Solids			X	X	X	X	X	X			X	X	X	X					X	X	12	Yes	Yes	Yes	Yes	No	No
	Total Organic Carbon	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	19	Yes	Yes	Yes	Yes	Yes	No
	Total Recoverable Phenolics										X	X	X	X	X	X	X	X	X	X	X	11	No					
	Total Arsenic					X		X	X	X	X	X	X	X	X	X	X					11	No					
	Total Iron		X	X	X	X	X	X														6	No					
	Soluble Iron				X	X	X		X													4	TBD					
	Total Manganese	X	X	X	X	X	X	X	X													8	No					
	2-Butanone (MEK)																		X			1	TBD					
	Soluble Manganese	X	X	X	X	X	X															6	No					
	Acetone															X	X	X	X	X	X	6	Yes	Note 8	Note 8	Note 8	Note 8	Note 8
MW-16B	pH	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	18	No					
	Total Cyanide																		X			1	TBD					
	Specific Conductance	X	X	X	X	X	X															6	No					
	Total Organic Carbon	X	X	X		X							X		X					X	X	8	Yes	Yes	Yes	Yes	Yes	No
	Total Recoverable Phenolics	X														X						2	TBD					
	Total Dissolved Solids								X													1	TBD					
	Total Chromium				X																	1	TBD					
	Total Iron	X	X		X																	3	TBD					
	cis-1,2-Dichloroethane														X	X	X	X				4	TBD					
	Total Manganese			X	X				X													3	TBD					
	TCE						X	X			X	X	X	X	X	X	X	X	X	X	X	13	Yes	Note 8	Note 8	Note 8	Note 8	Note 8
MW-18B	pH				X													X				2	TBD					
	Total Cyanide																		X			1	TBD					
	Specific Conductance	X	X	X	X	X	X				X	X	X	X	X			X		X	X	14	No					
	Total Dissolved Solids			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	17	No					
	Total Organic Carbon	X	X	X	X	X		X		X			X	X	X	X	X	X	X	X	X	16	Yes	Yes	Yes	Yes	Yes	No
	Total Recoverable Phenolics	X																				1	TBD					
	Total Iron											X								X		2	TBD					
	Total Manganese	X	X	X	X	X		X	X				X	X	X	X	X	X		X	X	15	Yes	Yes	Yes	Yes	No	No
	Total Aresnic																		X	X	X	3	TBD					

Notes:

(1) - In accordance with the Statistical Decision Tree (Figure 3-1 of the SMP); calculated moving average trend evaluation tracked for 5 sampling events.

(2) - In accordance with the Statistical Decision Tree (Figure 3-1 of the SMP); corresponding increasing trend in surface water concentration for that parameter.

(3) - "TBD" = trend to be determined on a minimum of 5 tracked sampling events.

(4) - The annual sampling event was not conducted in 2009 and 2011.

(5) - MW-3B could not be sampled during the May 2008 event. This well was repaired in August 2010.

(6) - Shallow monitoring wells (designated "B") are compared to upgradient monitoring well MW-6B.

(7) - MW-2B previously biennial, not sampled in 2014.

(8) - All data less than the detection limit or changes in the detection limit obscure true data such that trending cannot be assessed.

(9) - Compared to total iron and lead trends due to insuffiecient data

X	Tracked event where reported concentration exceeds Groundwater Quality Standard (GWQS) (if applicable), background mean, and background mean +3 standard deviations.
	A blank box indicates the reported concentration does not exceed GWQS, background mean, and background mean +3 standard deviations.
#	A value of 5 or greater indicates that the parameter has been tracked for 5 or more sampling events per the Statistical Decision Tree.
Yes	Indicates the parameter shows increasing trend.

*pH and specific conductance data not available

Table 7
PFAS ANALYSIS SUMMARY
2024 ANNUAL SAMPLING RESULTS
MARILLA STREET LANDFILL, BUFFALO, NEW YORK
(Detected Compounds Only)

Sample ID	MW-3B	MW-3B	NYSDEC Water Quality Guidance Values
Sample Date	2/15/2024	12/10/2020	
Per- and Polyfluoroalkyl Substances (ng/L)			
Perfluorobutanoic Acid (PFBA)	220	<	NL
Perfluoropentanoic Acid (PFPeA)	<	200	NL
Perfluorohexanoic Acid (PFHxA)	22	<	NL
Perfluoroheptanoic Acid (PFHpA)	<	<	NL
Perfluorooctanoic Acid (PFOA)	19	27	6.7
Perfluorooctanesulfonic Acid (PFOS)	2.6 J	<	2.7
PFOA/PFOS, Total	263.6	227	NL
Semi-Volatile Organic Compounds (ug/L)			
1,4-Dioxane	NA	1.0	1.0

NYSDEC Water Quality Guidance Values = NYSDEC Guidelines for Sampling, Analysis, and Assessment of Per- and Polyfluroroalkyl Substances (PFAS), April 2023,
µg/L = micrograms per liter
ng/L = nanogram per liter
NL=Not listed
"<" = Parameter Not Detected
NA = Not Analyzed
Concentrations in gray exceed NYSDEC Guidance Value

APPENDIX 1

Field Logs

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 4 2024
LaBella Representative:

Well I.D. MW-2B
Job No. 2222148

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3/24				12/4	
Time	1030	1036			0930	
Depth of well	12.32					
Depth to water	7.90					
Well diameter	2"					
Well volume (gallons)	0.71					
Purging device	Bailer					
Gallons purged	-				-	
Sample device						
Field Parameters						
Temperature	10.5	11.4			8.2	
pH measurement	10.10	12.00			12.75	
Conductivity (mS/cm)	450.4	1210			2027	
ORP/Eh (mV)	-110.4	-167.2			-152.8	
Turbidity (NTUs)	30.82	254.21			14.82	

WEATHER:

NOTES/FIELD OBSERVATIONS:
PID: 0

Purged dry @ 1 well volume

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW-3B
Job No. 2222148

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 4th 2024
LaBella Representative:

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3/24				12/4/24	
Time	1445	1449			1225	
Depth of well	12.39					
Depth to water	7.35					
Well diameter	2"					
Well volume (gallons)	0.81					
Purging device	Bailer					
Gallons purged	-	0.81			-	
Sample device					Bailer	
Field Parameters						
Temperature	10.0	10.6			7.6	
pH measurement	9.70	10.13			12.58	
Conductivity (mS/cm)	1912	1952			2388	
ORP/Eh (mV)	0.6	-83.1			-173.9	
Turbidity (NTUs)	72.91	2884.37			1540.61	

WEATHER:
NOTES/FIELD OBSERVATIONS: Dry @ 1 well volume
PID: 0 ORANGE/BROWN COLOR

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 4 2024
LaBella Representative:

Well I.D. MW-4B
Job No. 2222148

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3/24				12/4	
Time	1144	1153			[redacted]	1100
Depth of well	18.9					
Depth to water	9.82					
Well diameter	2"					
Well volume (gallons)	1.45					
Purging device	Bailer					
Gallons purged	-	1.45			-	
Sample device					Bailer	
Field Parameters						
Temperature	11.9	12.1			[redacted]	11.0
pH measurement	9.16	8.26			[redacted]	8.97
Conductivity (mS/cm)	805	801			[redacted]	423.9
ORP/Eh (mV)	-106.5	-158.2			[redacted]	-204.9
Turbidity (NTUs)	54.12	212.12			[redacted]	23.71

WEATHER:
NOTES/FIELD OBSERVATIONS:
PID: 0

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. **Stabilization Criteria for range of variation of last three consecutive Readings**

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW-6B
Job No. 2222148

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 4 2024
LaBella Representative:

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3				12/4/24	
Time	1519	1527			1145	
Depth of well	~~18.8~~ 17.91					
Depth to water	13.55					
Well diameter	2"					
Well volume (gallons)	0.70					
Purging device	Bailer					
Gallons purged	-				-	
Sample device					Bailer	
Field Parameters						
Temperature	10.5	11.9			10.0	
pH measurement	7.42	6.96			7.00	
Conductivity (mS/cm)	1540	1626			1708	
ORP/Eh (mV)	-154.5	-159.4			-126.0	
Turbidity (NTUs)	26.43	30.21			4.95	

WEATHER:
NOTES/FIELD OBSERVATIONS: Dry @ 1 well volume
PID:

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW-7B
Job No. 2222148

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 4 2024
LaBella Representative:

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3/24				12/4/24	
Time	1545	1550			1015	
Depth of well	40.31					
Depth to water	33.94					
Well diameter	2"					
Well volume (gallons)	1.02					
Purging device	Bailer				-	
Gallons purged	-				Bailer	
Sample device						
Field Parameters						
Temperature	9.7	9.7			8.5	
pH measurement	10.03	12.21			13.02	
Conductivity (mS/cm)	530	1089			2658	
ORP/Eh (mV)	-123.0	-199.5			-12 214.9	
Turbidity (NTUs)	11.10	309.71			24.20	

WEATHER:
NOTES/FIELD OBSERVATIONS: Purged dry @ 1 well volume
PID: 0

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW-12B
Job No. 2222148

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 2024
LaBella Representative:

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date						
Time						
Depth of well	23.20					
Depth to water	5.14					
Well diameter	2"					
Well volume (gallons)	2.89					
Purging device	Bailer					
Gallons purged	-				-	
Sample device					Bailer	

Field Parameters

Temperature						
pH measurement						
Conductivity (mS/cm)						
ORP/Eh (mV)						
Turbidity (NTUs)						

WEATHER:
NOTES/FIELD OBSERVATIONS:
PID: ~~0~~

unable to get bailer down well

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) **= (ft. –ft.) X . gal/ft = 0.3056 gallons**

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW-15B
Job No. 2222148

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 4 2024
LaBella Representative:

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3/24				12/4	
Time	1108	1112			1030	
Depth of well	13.47					
Depth to water	5.45					
Well diameter	2"					
Well volume (gallons)	1.28					
Purging device	Bailer					
Gallons purged	-	1.28			-	
Sample device					Bailer	
Field Parameters						
Temperature	10.6	11.5			8.9	
pH measurement	12.61	12.99			13.39	
Conductivity (mS/cm)	2439	6361			5660	
ORP/Eh (mV)	-131.4	-186.8			-220.0	
Turbidity (NTUs)	15.31	131.61			1.52	

WEATHER:

NOTES/FIELD OBSERVATIONS:
PID: 0

~~Purged~~ Purged dry @ 1.5 well volumes

* MW-15A needs twine *

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 4 2024
LaBella Representative: AK & BN

Well I.D. MW-16B
Job No. 2222148

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3/24				12/4	
Time	1015	1020			0900	
Depth of well	14.86					
Depth to water	6.00					
Well diameter	2"					
Well volume (gallons)	1.42					
Purging device	Bailer					
Gallons purged	-	1.5			-	
Sample device					Bailer	

Field Parameters

Temperature	11.1	11.5			9.3	
pH measurement	9.50	11.82			12.31	
Conductivity (mS/cm)	616	1131			1249	
ORP/Eh (mV)	62.5	-178.9			-176.0	
Turbidity (NTUs)	22.86	40.23			12.39	

WEATHER:

NOTES/FIELD OBSERVATIONS: PID: 0 Purged dry at 1 well volume

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW-18B
Job No. 2222148

Site Location: Steelfields/Marlilla St. Landfill
Sample Date: December 3 2024
LaBella Representative:

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	12/3/24		1312			
Time	1303	1308	~~1316~~	1316	1330	
Depth of well	52.7					
Depth to water	45.61					
Well diameter	2"					
Well volume (gallons)	1.13					
Purging device	Bailer					
Gallons purged	-	1.13	2.26		-	
Sample device					Bailer	
Field Parameters						
Temperature	11.0	11.3	11.4	11.4	10.4	
pH measurement	8.12	8.05	8.01	7.98	7.99	
Conductivity (mS/cm)	2433	3055	3092	3103	3118	
ORP/Eh (mV)	-62.4	-85.6	-35.1	-16.4	14.9	
Turbidity (NTUs)	5.86	12.43	6.32	8.86	4.19	

WEATHER:
NOTES/FIELD OBSERVATIONS:
PID: 0

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Job No. 2222148
Sample Date: Dec 4 , 2024

Site Location: Steelfields/Marlilla St. Landfill
LaBella Rep.:

Surface Water/Sediment Sampling Log

	SW-1	SW-2A	SW-3A	SW-5	SED-1	SED-2		
Time	1430	~~1500~~	1230	1315	NA	NA		
pH (SU)	8.78	9.42	9.56	9.06				
Cond. (mS/cm)	657	718	744	947				
Turbidity (NTU)	17.10	5.07	19.17	51.02				
D.O. (mg/L)	15.00	12.70	14.61	13.95				
Temp. (°C)	1.3	1.4	0.2	0.2				
Eh (mV)	18.9	80.7	-65.4	-1.6				

Sample Info: (include sample characteristics) denote MS/MSD

SW-1:

SW-2A:

SW-3A: MS/MSD

SW-5: Dup

SED-1:

SED-2:

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW-3B
Job No. 222214B

Site Location: Morilla St. Landfill
Sample Date: 2/15/2024
LaBella Representative: CF + CR

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Details
Date	2/15				2/15	
Time	8:40	8:50			13:00	
Depth of well	12.39					
Depth to water	5.46					
Well diameter	2"					
Well volume (gallons)	1.10	~~1.10~~				
Purging device	BAILER					
Gallons purged	-	1.1			-	
Sample device						
Field Parameters						
Temperature	7.3°C	6.1			6.8	
pH measurement	9.72	9.83			10.29	
Conductivity (mS/cm)	2064	2122			2055	
ORP/Eh (mV)	85.5	12.2			-45.6	
Turbidity (NTUs)	57.90	384.33			1032.51	

WEATHER:

NOTES/FIELD OBSERVATIONS:

- PFAs Sampling
- going dry after 1 well volume

D.O - 5.30 D.O - 4.83 D.O - 4.71

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
(only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): **0.75"**=0.02 **1"**=0.04 **1.5"**=0.092 **2"**=0.16 **3"**=0.37
4"=0.65 **5"**=1.02 **6"**=1.47 **12"**=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; **Temperature:** ± 0.5°C; **Specific Conductance:** ± 10%; **Turbidity:** ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

APPENDIX 2

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andrew Benkleman
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 12/11/2024 10:16:50 AM

JOB DESCRIPTION

Steelfields

JOB NUMBER

480-225947-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

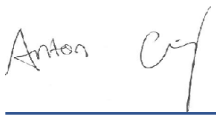
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
12/11/2024 10:16:50 AM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

Table of Contents

Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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.

General Chemistry

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 Narrative
480-225947-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/4/2024 4:10 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 time was 0.8°C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-3B (480-225947-2), MW-7B (480-225947-5), MW-15B (480-225947-6), MW-16B (480-225947-7), MW-18B (480-225947-8), SW-1 (480-225947-10) and SW-2A (480-225947-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-734616 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-2B (480-225947-1). 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.

Metals
Method 6010C - Dissolved: The low level continuing calibration verification (CCVL) for analytical batch 480-734748 recovered above the upper control limit for (dissolved Lead). The sample associated with this CCVL were ND; therefore, re-analysis of samples (MB 480-734457/1-A) was not performed.

Method 6010C - Dissolved: The low level continuing calibration verification (CCVL) for analytical batch 480-734748 recovered above the upper control limit for (dissolved Lead). The sample associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCS 480-734457/2-A) was not performed.

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

General Chemistry
Method 2540C_Calcd: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: MW-2B (480-225947-1), MW-3B (480-225947-2), MW-15B (480-225947-6) and MW-18B (480-225947-8). The reporting limits (RLs) have been adjusted proportionately.

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: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-2B — Lab Sample ID: 480-225947-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	7.6	J	40	5.3	ug/L	4		8260C	Total/NA
Acetone	86		40	12	ug/L	4		8260C	Total/NA
Carbon disulfide	1.6	J	4.0	0.76	ug/L	4		8260C	Total/NA
Iron	0.22		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.0098	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Phenolics, Total Recoverable	0.019		0.010	0.0035	mg/L	1		420.4	Total/NA
Total Dissolved Solids	592	B	20.0	8.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	15.3		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-3B — Lab Sample ID: 480-225947-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	660		500	150	ug/L	50		8260C	Total/NA
Arsenic	0.049		0.015	0.0056	mg/L	1		6010C	Total/NA
Chromium	0.10		0.0040	0.0010	mg/L	1		6010C	Total/NA
Iron	74.5		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.93	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Lead	0.79		0.010	0.0030	mg/L	1		6010C	Total/NA
Arsenic	0.032		0.015	0.0056	mg/L	1		6010C	Dissolved
Chromium	0.025		0.0040	0.0010	mg/L	1		6010C	Dissolved
Iron	4.9		0.050	0.019	mg/L	1		6010C	Dissolved
Manganese	0.070	B	0.0030	0.00040	mg/L	1		6010C	Dissolved
Lead	0.24		0.010	0.0030	mg/L	1		6010C	Dissolved
Cyanide, Total	0.023		0.010	0.0041	mg/L	1		335.4	Total/NA
Phenolics, Total Recoverable	0.70		0.10	0.035	mg/L	10		420.4	Total/NA
Total Dissolved Solids	1900	B	20.0	8.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	130		2.0	0.87	mg/L	2		SM 5310C	Total/NA

Client Sample ID: MW-4B — Lab Sample ID: 480-225947-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.37	J	1.0	0.19	ug/L	1		8260C	Total/NA
Iron	1.4		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.052	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Phenolics, Total Recoverable	0.0040	J	0.010	0.0035	mg/L	1		420.4	Total/NA
Total Dissolved Solids	182	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.7		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-6B — Lab Sample ID: 480-225947-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.23		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.76	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1200	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	4.8		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-7B — Lab Sample ID: 480-225947-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	33	J	100	30	ug/L	10		8260C	Total/NA
Arsenic	0.0068	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Chromium	0.0011	J	0.0040	0.0010	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-7B (Continued) — Lab Sample ID: 480-225947-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1.5		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.032	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Lead	0.014		0.010	0.0030	mg/L	1		6010C	Total/NA
Cyanide, Total	0.031		0.010	0.0041	mg/L	1		335.4	Total/NA
Phenolics, Total Recoverable	0.63		0.10	0.035	mg/L	10		420.4	Total/NA
Total Dissolved Solids	910	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	58.8		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-15B — Lab Sample ID: 480-225947-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	160		50	15	ug/L	5		8260C	Total/NA
Carbon disulfide	2.3	J	5.0	0.95	ug/L	5		8260C	Total/NA
Arsenic	0.0068	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Iron	0.072		0.050	0.019	mg/L	1		6010C	Total/NA
Phenolics, Total Recoverable	0.18		0.020	0.0070	mg/L	2		420.4	Total/NA
Total Dissolved Solids	1460	B	20.0	8.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	20.8		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-16B — Lab Sample ID: 480-225947-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	14		10	4.6	ug/L	10		8260C	Total/NA
Chromium	0.0012	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Iron	0.27		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.041	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Cyanide, Total	0.055		0.010	0.0041	mg/L	1		335.4	Total/NA
Phenolics, Total Recoverable	0.0040	J	0.010	0.0035	mg/L	1		420.4	Total/NA
Total Dissolved Solids	512	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	18.3		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-18B — Lab Sample ID: 480-225947-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.042		0.015	0.0056	mg/L	1		6010C	Total/NA
Iron	0.39		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	2.6	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Cyanide, Total	0.028		0.010	0.0041	mg/L	1		335.4	Total/NA
Total Dissolved Solids	2220	B	20.0	8.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	22.7		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: Dup — Lab Sample ID: 480-225947-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1.1		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.029	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Total Dissolved Solids	448	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	4.7		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: SW-1 — Lab Sample ID: 480-225947-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.57		0.050	0.019	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-1 (Continued) — Lab Sample ID: 480-225947-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.054	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Total Dissolved Solids	340	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	8.8		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: SW-2A — Lab Sample ID: 480-225947-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.39		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.020	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Cyanide, Total	0.047		0.010	0.0041	mg/L	1		335.4	Total/NA
Total Dissolved Solids	384	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	6.4		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: SW-3A — Lab Sample ID: 480-225947-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.38		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.020	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Cyanide, Total	0.0047	J	0.010	0.0041	mg/L	1		335.4	Total/NA
Total Dissolved Solids	369		10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	5.6		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: SW-5 — Lab Sample ID: 480-225947-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.89		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.023	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Total Dissolved Solids	450		10.0	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	4.5		1.0	0.43	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-2B

Date Collected: 12/04/24 09:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/09/24 13:34	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/09/24 13:34	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/09/24 13:34	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			12/09/24 13:34	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/09/24 13:34	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/09/24 13:34	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			12/09/24 13:34	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			12/09/24 13:34	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			12/09/24 13:34	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/09/24 13:34	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/09/24 13:34	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			12/09/24 13:34	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			12/09/24 13:34	4
2-Butanone (MEK)	**7.6**	**J**	40	5.3	ug/L			12/09/24 13:34	4
2-Hexanone	ND		20	5.0	ug/L			12/09/24 13:34	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/09/24 13:34	4
Acetone	**86**		40	12	ug/L			12/09/24 13:34	4
Benzene	ND		4.0	1.6	ug/L			12/09/24 13:34	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/09/24 13:34	4
Bromoform	ND		4.0	1.0	ug/L			12/09/24 13:34	4
Bromomethane	ND		4.0	2.8	ug/L			12/09/24 13:34	4
Carbon disulfide	**1.6**	**J**	4.0	0.76	ug/L			12/09/24 13:34	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/09/24 13:34	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/09/24 13:34	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/09/24 13:34	4
Chloroethane	ND		4.0	1.3	ug/L			12/09/24 13:34	4
Chloroform	ND		4.0	1.4	ug/L			12/09/24 13:34	4
Chloromethane	ND		4.0	1.4	ug/L			12/09/24 13:34	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			12/09/24 13:34	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/09/24 13:34	4
Cyclohexane	ND		4.0	0.72	ug/L			12/09/24 13:34	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			12/09/24 13:34	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/09/24 13:34	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			12/09/24 13:34	4
Isopropylbenzene	ND		4.0	3.2	ug/L			12/09/24 13:34	4
Methyl acetate	ND		10	5.2	ug/L			12/09/24 13:34	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			12/09/24 13:34	4
Methylcyclohexane	ND		4.0	0.64	ug/L			12/09/24 13:34	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/09/24 13:34	4
Styrene	ND		4.0	2.9	ug/L			12/09/24 13:34	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/09/24 13:34	4
Toluene	ND		4.0	2.0	ug/L			12/09/24 13:34	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/09/24 13:34	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/09/24 13:34	4
Trichloroethene	ND		4.0	1.8	ug/L			12/09/24 13:34	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			12/09/24 13:34	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/09/24 13:34	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/09/24 13:34	4

Client Sample ID: MW-2B

Date Collected: 12/04/24 09:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/09/24 13:34*	*4*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/09/24 13:34*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/09/24 13:34*	*4*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/09/24 13:34*	*4*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:04	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:04	1
Iron	**0.22**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:04	1
Manganese	**0.0098**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:04	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			12/10/24 08:51	1
Phenolics, Total Recoverable (EPA 420.4)	**0.019**		0.010	0.0035	mg/L			12/09/24 18:01	1
Total Dissolved Solids (SM 2540C)	**592**	**B**	20.0	8.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**15.3**		1.0	0.43	mg/L			12/05/24 23:38	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-3B

Date Collected: 12/04/24 12:25
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			12/07/24 14:00	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			12/07/24 14:00	50
1,1,2-Trichloroethane	ND		50	12	ug/L			12/07/24 14:00	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			12/07/24 14:00	50
1,1-Dichloroethane	ND		50	19	ug/L			12/07/24 14:00	50
1,1-Dichloroethene	ND		50	15	ug/L			12/07/24 14:00	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			12/07/24 14:00	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			12/07/24 14:00	50
1,2-Dichlorobenzene	ND		50	40	ug/L			12/07/24 14:00	50
1,2-Dichloroethane	ND		50	11	ug/L			12/07/24 14:00	50
1,2-Dichloropropane	ND		50	36	ug/L			12/07/24 14:00	50
1,3-Dichlorobenzene	ND		50	39	ug/L			12/07/24 14:00	50
1,4-Dichlorobenzene	ND		50	42	ug/L			12/07/24 14:00	50
2-Butanone (MEK)	ND		500	66	ug/L			12/07/24 14:00	50
2-Hexanone	ND		250	62	ug/L			12/07/24 14:00	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			12/07/24 14:00	50
Acetone	**660**		500	150	ug/L			12/07/24 14:00	50
Benzene	ND		50	21	ug/L			12/07/24 14:00	50
Bromodichloromethane	ND		50	20	ug/L			12/07/24 14:00	50
Bromoform	ND		50	13	ug/L			12/07/24 14:00	50
Bromomethane	ND		50	35	ug/L			12/07/24 14:00	50
Carbon disulfide	ND		50	9.5	ug/L			12/07/24 14:00	50
Carbon tetrachloride	ND		50	14	ug/L			12/07/24 14:00	50
Chlorobenzene	ND		50	38	ug/L			12/07/24 14:00	50
Dibromochloromethane	ND		50	16	ug/L			12/07/24 14:00	50
Chloroethane	ND		50	16	ug/L			12/07/24 14:00	50
Chloroform	ND		50	17	ug/L			12/07/24 14:00	50
Chloromethane	ND		50	18	ug/L			12/07/24 14:00	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			12/07/24 14:00	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			12/07/24 14:00	50
Cyclohexane	ND		50	9.0	ug/L			12/07/24 14:00	50
Dichlorodifluoromethane	ND		50	34	ug/L			12/07/24 14:00	50
Ethylbenzene	ND		50	37	ug/L			12/07/24 14:00	50
1,2-Dibromoethane	ND		50	37	ug/L			12/07/24 14:00	50
Isopropylbenzene	ND		50	40	ug/L			12/07/24 14:00	50
Methyl acetate	ND		130	65	ug/L			12/07/24 14:00	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			12/07/24 14:00	50
Methylcyclohexane	ND		50	8.0	ug/L			12/07/24 14:00	50
Methylene Chloride	ND		50	22	ug/L			12/07/24 14:00	50
Styrene	ND		50	37	ug/L			12/07/24 14:00	50
Tetrachloroethene	ND		50	18	ug/L			12/07/24 14:00	50
Toluene	ND		50	26	ug/L			12/07/24 14:00	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			12/07/24 14:00	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			12/07/24 14:00	50
Trichloroethene	ND		50	23	ug/L			12/07/24 14:00	50
Trichlorofluoromethane	ND		50	44	ug/L			12/07/24 14:00	50
Vinyl chloride	ND		50	45	ug/L			12/07/24 14:00	50
Xylenes, Total	ND		100	33	ug/L			12/07/24 14:00	50

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-3B

Date Collected: 12/04/24 12:25
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-2

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/24 14:00*	*50*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/24 14:00*	*50*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/07/24 14:00*	*50*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*12/07/24 14:00*	*50*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:06	1
Chromium	0.10		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:06	1
Iron	74.5		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:06	1
Manganese	0.93	B	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:06	1
Lead	0.79		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:06	1

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032		0.015	0.0056	mg/L		12/07/24 09:46	12/09/24 13:01	1
Chromium	0.025		0.0040	0.0010	mg/L		12/07/24 09:46	12/09/24 13:01	1
Iron	4.9		0.050	0.019	mg/L		12/07/24 09:46	12/09/24 13:01	1
Manganese	0.070	B	0.0030	0.00040	mg/L		12/07/24 09:46	12/09/24 13:01	1
Lead	0.24		0.010	0.0030	mg/L		12/07/24 09:46	12/09/24 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	0.023		0.010	0.0041	mg/L			12/10/24 08:55	1
Phenolics, Total Recoverable (EPA 420.4)	0.70		0.10	0.035	mg/L			12/09/24 18:05	10
Total Dissolved Solids (SM 2540C)	1900	B	20.0	8.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	130		2.0	0.87	mg/L			12/09/24 23:06	2

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-4B

Date Collected: 12/04/24 11:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-3

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/24 14:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/24 14:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/24 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/24 14:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/24 14:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/24 14:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/24 14:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/24 14:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/24 14:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/24 14:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/24 14:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/24 14:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/24 14:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/24 14:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/24 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/24 14:22	1
Acetone	**3.6**	**J**	10	3.0	ug/L			12/07/24 14:22	1
Benzene	ND		1.0	0.41	ug/L			12/07/24 14:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/24 14:22	1
Bromoform	ND		1.0	0.26	ug/L			12/07/24 14:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/24 14:22	1
Carbon disulfide	**0.37**	**J**	1.0	0.19	ug/L			12/07/24 14:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/24 14:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/24 14:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/24 14:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/24 14:22	1
Chloroform	ND		1.0	0.34	ug/L			12/07/24 14:22	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/24 14:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/24 14:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/24 14:22	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/24 14:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/24 14:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/24 14:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/24 14:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/24 14:22	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/24 14:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/24 14:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/24 14:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/24 14:22	1
Styrene	ND		1.0	0.73	ug/L			12/07/24 14:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/24 14:22	1
Toluene	ND		1.0	0.51	ug/L			12/07/24 14:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/24 14:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/24 14:22	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/24 14:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/24 14:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/24 14:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/24 14:22	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-4B

Date Collected: 12/04/24 11:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/24 14:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/07/24 14:22*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/07/24 14:22*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/07/24 14:22*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:14	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:14	1
Iron	**1.4**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:14	1
Manganese	**0.052**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:14	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			12/10/24 08:58	1
Phenolics, Total Recoverable (EPA 420.4)	**0.0040**	**J**	0.010	0.0035	mg/L			12/09/24 18:38	1
Total Dissolved Solids (SM 2540C)	**182**	**B**	10.0	4.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**3.7**		1.0	0.43	mg/L			12/06/24 00:34	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-6B

Date Collected: 12/04/24 11:45
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-4

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/24 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/24 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/24 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/24 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/24 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/24 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/24 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/24 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/24 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/24 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/24 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/24 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/24 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/24 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/24 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/24 14:45	1
Acetone	ND		10	3.0	ug/L			12/07/24 14:45	1
Benzene	ND		1.0	0.41	ug/L			12/07/24 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/24 14:45	1
Bromoform	ND		1.0	0.26	ug/L			12/07/24 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/24 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/24 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/24 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/24 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/24 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/24 14:45	1
Chloroform	ND		1.0	0.34	ug/L			12/07/24 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/24 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/24 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/24 14:45	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/24 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/24 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/24 14:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/24 14:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/24 14:45	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/24 14:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/24 14:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/24 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/24 14:45	1
Styrene	ND		1.0	0.73	ug/L			12/07/24 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/24 14:45	1
Toluene	ND		1.0	0.51	ug/L			12/07/24 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/24 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/24 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/24 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/24 14:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/24 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/24 14:45	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-6B

Date Collected: 12/04/24 11:45
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/07/24 14:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/07/24 14:45*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/07/24 14:45*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/07/24 14:45*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:16	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:16	1
Iron	**0.23**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:16	1
Manganese	**0.76**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:16	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			12/10/24 09:01	1
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			12/09/24 18:41	1
Total Dissolved Solids (SM 2540C)	**1200**	**B**	10.0	4.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**4.8**		1.0	0.43	mg/L			12/09/24 22:10	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-7B

Date Collected: 12/04/24 10:15
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-5

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/07/24 15:07	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/07/24 15:07	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/07/24 15:07	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/07/24 15:07	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/07/24 15:07	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/07/24 15:07	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/07/24 15:07	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/07/24 15:07	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/07/24 15:07	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/07/24 15:07	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/07/24 15:07	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/07/24 15:07	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/07/24 15:07	10
2-Butanone (MEK)	ND		100	13	ug/L			12/07/24 15:07	10
2-Hexanone	ND		50	12	ug/L			12/07/24 15:07	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/07/24 15:07	10
Acetone	**33**	**J**	100	30	ug/L			12/07/24 15:07	10
Benzene	ND		10	4.1	ug/L			12/07/24 15:07	10
Bromodichloromethane	ND		10	3.9	ug/L			12/07/24 15:07	10
Bromoform	ND		10	2.6	ug/L			12/07/24 15:07	10
Bromomethane	ND		10	6.9	ug/L			12/07/24 15:07	10
Carbon disulfide	ND		10	1.9	ug/L			12/07/24 15:07	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/07/24 15:07	10
Chlorobenzene	ND		10	7.5	ug/L			12/07/24 15:07	10
Dibromochloromethane	ND		10	3.2	ug/L			12/07/24 15:07	10
Chloroethane	ND		10	3.2	ug/L			12/07/24 15:07	10
Chloroform	ND		10	3.4	ug/L			12/07/24 15:07	10
Chloromethane	ND		10	3.5	ug/L			12/07/24 15:07	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/07/24 15:07	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/07/24 15:07	10
Cyclohexane	ND		10	1.8	ug/L			12/07/24 15:07	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/07/24 15:07	10
Ethylbenzene	ND		10	7.4	ug/L			12/07/24 15:07	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/07/24 15:07	10
Isopropylbenzene	ND		10	7.9	ug/L			12/07/24 15:07	10
Methyl acetate	ND		25	13	ug/L			12/07/24 15:07	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/07/24 15:07	10
Methylcyclohexane	ND		10	1.6	ug/L			12/07/24 15:07	10
Methylene Chloride	ND		10	4.4	ug/L			12/07/24 15:07	10
Styrene	ND		10	7.3	ug/L			12/07/24 15:07	10
Tetrachloroethene	ND		10	3.6	ug/L			12/07/24 15:07	10
Toluene	ND		10	5.1	ug/L			12/07/24 15:07	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/07/24 15:07	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/07/24 15:07	10
Trichloroethene	ND		10	4.6	ug/L			12/07/24 15:07	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/07/24 15:07	10
Vinyl chloride	ND		10	9.0	ug/L			12/07/24 15:07	10
Xylenes, Total	ND		20	6.6	ug/L			12/07/24 15:07	10

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-7B

Date Collected: 12/04/24 10:15
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/07/24 15:07*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/07/24 15:07*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/07/24 15:07*	*10*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/07/24 15:07*	*10*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0068	J	0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:18	1
Chromium	0.0011	J	0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:18	1
Iron	1.5		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:18	1
Manganese	0.032	B	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:18	1
Lead	0.014		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	0.031		0.010	0.0041	mg/L			12/10/24 09:04	1
Phenolics, Total Recoverable (EPA 420.4)	0.63		0.10	0.035	mg/L			12/09/24 18:45	10
Total Dissolved Solids (SM 2540C)	910	B	10.0	4.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	58.8		1.0	0.43	mg/L			12/06/24 01:30	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-15B

Date Collected: 12/04/24 10:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-6

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/07/24 15:29	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/07/24 15:29	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/07/24 15:29	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/07/24 15:29	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/07/24 15:29	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/07/24 15:29	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/07/24 15:29	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/07/24 15:29	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/07/24 15:29	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/07/24 15:29	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/07/24 15:29	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/07/24 15:29	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/07/24 15:29	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/07/24 15:29	5
2-Hexanone	ND		25	6.2	ug/L			12/07/24 15:29	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/07/24 15:29	5
Acetone	**160**		50	15	ug/L			12/07/24 15:29	5
Benzene	ND		5.0	2.1	ug/L			12/07/24 15:29	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/07/24 15:29	5
Bromoform	ND		5.0	1.3	ug/L			12/07/24 15:29	5
Bromomethane	ND		5.0	3.5	ug/L			12/07/24 15:29	5
Carbon disulfide	**2.3**	**J**	5.0	0.95	ug/L			12/07/24 15:29	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/07/24 15:29	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/07/24 15:29	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/07/24 15:29	5
Chloroethane	ND		5.0	1.6	ug/L			12/07/24 15:29	5
Chloroform	ND		5.0	1.7	ug/L			12/07/24 15:29	5
Chloromethane	ND		5.0	1.8	ug/L			12/07/24 15:29	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/07/24 15:29	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/07/24 15:29	5
Cyclohexane	ND		5.0	0.90	ug/L			12/07/24 15:29	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/07/24 15:29	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/07/24 15:29	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/07/24 15:29	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/07/24 15:29	5
Methyl acetate	ND		13	6.5	ug/L			12/07/24 15:29	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/07/24 15:29	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/07/24 15:29	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/07/24 15:29	5
Styrene	ND		5.0	3.7	ug/L			12/07/24 15:29	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/07/24 15:29	5
Toluene	ND		5.0	2.6	ug/L			12/07/24 15:29	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/07/24 15:29	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/07/24 15:29	5
Trichloroethene	ND		5.0	2.3	ug/L			12/07/24 15:29	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/07/24 15:29	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/07/24 15:29	5
Xylenes, Total	ND		10	3.3	ug/L			12/07/24 15:29	5

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-15B

Date Collected: 12/04/24 10:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-6

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/24 15:29*	*5*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/24 15:29*	*5*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/07/24 15:29*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*12/07/24 15:29*	*5*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0068**	**J**	0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:20	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:20	1
Iron	**0.072**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:20	1
Manganese	ND		0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:20	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			12/10/24 09:08	1
Phenolics, Total Recoverable (EPA 420.4)	**0.18**		0.020	0.0070	mg/L			12/09/24 18:49	2
Total Dissolved Solids (SM 2540C)	**1460**	**B**	20.0	8.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**20.8**		1.0	0.43	mg/L			12/06/24 01:58	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-16B

Date Collected: 12/04/24 09:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/07/24 15:51	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/07/24 15:51	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/07/24 15:51	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/07/24 15:51	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/07/24 15:51	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/07/24 15:51	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/07/24 15:51	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/07/24 15:51	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/07/24 15:51	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/07/24 15:51	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/07/24 15:51	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/07/24 15:51	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/07/24 15:51	10
2-Butanone (MEK)	ND		100	13	ug/L			12/07/24 15:51	10
2-Hexanone	ND		50	12	ug/L			12/07/24 15:51	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/07/24 15:51	10
Acetone	ND		100	30	ug/L			12/07/24 15:51	10
Benzene	ND		10	4.1	ug/L			12/07/24 15:51	10
Bromodichloromethane	ND		10	3.9	ug/L			12/07/24 15:51	10
Bromoform	ND		10	2.6	ug/L			12/07/24 15:51	10
Bromomethane	ND		10	6.9	ug/L			12/07/24 15:51	10
Carbon disulfide	ND		10	1.9	ug/L			12/07/24 15:51	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/07/24 15:51	10
Chlorobenzene	ND		10	7.5	ug/L			12/07/24 15:51	10
Dibromochloromethane	ND		10	3.2	ug/L			12/07/24 15:51	10
Chloroethane	ND		10	3.2	ug/L			12/07/24 15:51	10
Chloroform	ND		10	3.4	ug/L			12/07/24 15:51	10
Chloromethane	ND		10	3.5	ug/L			12/07/24 15:51	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/07/24 15:51	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/07/24 15:51	10
Cyclohexane	ND		10	1.8	ug/L			12/07/24 15:51	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/07/24 15:51	10
Ethylbenzene	ND		10	7.4	ug/L			12/07/24 15:51	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/07/24 15:51	10
Isopropylbenzene	ND		10	7.9	ug/L			12/07/24 15:51	10
Methyl acetate	ND		25	13	ug/L			12/07/24 15:51	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/07/24 15:51	10
Methylcyclohexane	ND		10	1.6	ug/L			12/07/24 15:51	10
Methylene Chloride	ND		10	4.4	ug/L			12/07/24 15:51	10
Styrene	ND		10	7.3	ug/L			12/07/24 15:51	10
Tetrachloroethene	ND		10	3.6	ug/L			12/07/24 15:51	10
Toluene	ND		10	5.1	ug/L			12/07/24 15:51	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/07/24 15:51	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/07/24 15:51	10
Trichloroethene	**14**		10	4.6	ug/L			12/07/24 15:51	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/07/24 15:51	10
Vinyl chloride	ND		10	9.0	ug/L			12/07/24 15:51	10
Xylenes, Total	ND		20	6.6	ug/L			12/07/24 15:51	10

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-16B

Date Collected: 12/04/24 09:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/24 15:51*	*10*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/07/24 15:51*	*10*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/07/24 15:51*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*12/07/24 15:51*	*10*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:22	1
Chromium	**0.0012**	**J**	0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:22	1
Iron	**0.27**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:22	1
Manganese	**0.041**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:22	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	**0.055**		0.010	0.0041	mg/L			12/10/24 09:31	1
Phenolics, Total Recoverable (EPA 420.4)	**0.0040**	**J**	0.010	0.0035	mg/L			12/09/24 18:52	1
Total Dissolved Solids (SM 2540C)	**512**	**B**	10.0	4.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**18.3**		1.0	0.43	mg/L			12/06/24 02:25	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-18B

Date Collected: 12/03/24 13:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-8

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/07/24 16:13	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/07/24 16:13	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/07/24 16:13	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/07/24 16:13	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/07/24 16:13	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/07/24 16:13	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/07/24 16:13	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/07/24 16:13	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/07/24 16:13	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/07/24 16:13	20
1,2-Dichloropropane	ND		20	14	ug/L			12/07/24 16:13	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/07/24 16:13	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/07/24 16:13	20
2-Butanone (MEK)	ND		200	26	ug/L			12/07/24 16:13	20
2-Hexanone	ND		100	25	ug/L			12/07/24 16:13	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/07/24 16:13	20
Acetone	ND		200	60	ug/L			12/07/24 16:13	20
Benzene	ND		20	8.2	ug/L			12/07/24 16:13	20
Bromodichloromethane	ND		20	7.8	ug/L			12/07/24 16:13	20
Bromoform	ND		20	5.2	ug/L			12/07/24 16:13	20
Bromomethane	ND		20	14	ug/L			12/07/24 16:13	20
Carbon disulfide	ND		20	3.8	ug/L			12/07/24 16:13	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/07/24 16:13	20
Chlorobenzene	ND		20	15	ug/L			12/07/24 16:13	20
Dibromochloromethane	ND		20	6.4	ug/L			12/07/24 16:13	20
Chloroethane	ND		20	6.4	ug/L			12/07/24 16:13	20
Chloroform	ND		20	6.8	ug/L			12/07/24 16:13	20
Chloromethane	ND		20	7.0	ug/L			12/07/24 16:13	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/07/24 16:13	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/07/24 16:13	20
Cyclohexane	ND		20	3.6	ug/L			12/07/24 16:13	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/07/24 16:13	20
Ethylbenzene	ND		20	15	ug/L			12/07/24 16:13	20
1,2-Dibromoethane	ND		20	15	ug/L			12/07/24 16:13	20
Isopropylbenzene	ND		20	16	ug/L			12/07/24 16:13	20
Methyl acetate	ND		50	26	ug/L			12/07/24 16:13	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/07/24 16:13	20
Methylcyclohexane	ND		20	3.2	ug/L			12/07/24 16:13	20
Methylene Chloride	ND		20	8.8	ug/L			12/07/24 16:13	20
Styrene	ND		20	15	ug/L			12/07/24 16:13	20
Tetrachloroethene	ND		20	7.2	ug/L			12/07/24 16:13	20
Toluene	ND		20	10	ug/L			12/07/24 16:13	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/07/24 16:13	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/07/24 16:13	20
Trichloroethene	ND		20	9.2	ug/L			12/07/24 16:13	20
Trichlorofluoromethane	ND		20	18	ug/L			12/07/24 16:13	20
Vinyl chloride	ND		20	18	ug/L			12/07/24 16:13	20
Xylenes, Total	ND		40	13	ug/L			12/07/24 16:13	20

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-18B

Date Collected: 12/03/24 13:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-8

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/07/24 16:13*	*20*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/24 16:13*	*20*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/07/24 16:13*	*20*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/07/24 16:13*	*20*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.042**		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:23	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:23	1
Iron	**0.39**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:23	1
Manganese	**2.6**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:23	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	**0.028**		0.010	0.0041	mg/L			12/10/24 09:38	1
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			12/09/24 18:56	1
Total Dissolved Solids (SM 2540C)	**2220**	**B**	20.0	8.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**22.7**		1.0	0.43	mg/L			12/06/24 07:05	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: Dup
Date Collected: 12/04/24 00:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-9
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/24 16:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/24 16:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/24 16:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/24 16:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/24 16:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/24 16:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/24 16:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/24 16:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/24 16:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/24 16:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/24 16:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/24 16:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/24 16:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/24 16:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/24 16:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/24 16:45	1
Acetone	ND		10	3.0	ug/L			12/07/24 16:45	1
Benzene	ND		1.0	0.41	ug/L			12/07/24 16:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/24 16:45	1
Bromoform	ND		1.0	0.26	ug/L			12/07/24 16:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/24 16:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/24 16:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/24 16:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/24 16:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/24 16:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/24 16:45	1
Chloroform	ND		1.0	0.34	ug/L			12/07/24 16:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/24 16:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/24 16:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/24 16:45	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/24 16:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/24 16:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/24 16:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/24 16:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/24 16:45	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/24 16:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/24 16:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/24 16:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/24 16:45	1
Styrene	ND		1.0	0.73	ug/L			12/07/24 16:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/24 16:45	1
Toluene	ND		1.0	0.51	ug/L			12/07/24 16:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/24 16:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/24 16:45	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/24 16:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/24 16:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/24 16:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/24 16:45	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: Dup

Date Collected: 12/04/24 00:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-9

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/07/24 16:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/07/24 16:45*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/07/24 16:45*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/07/24 16:45*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:25	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:25	1
Iron	**1.1**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:25	1
Manganese	**0.029**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:25	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			12/10/24 09:41	1
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			12/09/24 19:33	1
Total Dissolved Solids (SM 2540C)	**448**	**B**	10.0	4.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**4.7**		1.0	0.43	mg/L			12/06/24 07:34	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-1

Date Collected: 12/04/24 14:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-10

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			12/07/24 17:07	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/07/24 17:07	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/07/24 17:07	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			12/07/24 17:07	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			12/07/24 17:07	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/07/24 17:07	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			12/07/24 17:07	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			12/07/24 17:07	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			12/07/24 17:07	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/07/24 17:07	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/07/24 17:07	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			12/07/24 17:07	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			12/07/24 17:07	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/07/24 17:07	2
2-Hexanone	ND		10	2.5	ug/L			12/07/24 17:07	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/07/24 17:07	2
Acetone	ND		20	6.0	ug/L			12/07/24 17:07	2
Benzene	ND		2.0	0.82	ug/L			12/07/24 17:07	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/07/24 17:07	2
Bromoform	ND		2.0	0.52	ug/L			12/07/24 17:07	2
Bromomethane	ND		2.0	1.4	ug/L			12/07/24 17:07	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/07/24 17:07	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/07/24 17:07	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/07/24 17:07	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/07/24 17:07	2
Chloroethane	ND		2.0	0.64	ug/L			12/07/24 17:07	2
Chloroform	ND		2.0	0.68	ug/L			12/07/24 17:07	2
Chloromethane	ND		2.0	0.70	ug/L			12/07/24 17:07	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			12/07/24 17:07	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/07/24 17:07	2
Cyclohexane	ND		2.0	0.36	ug/L			12/07/24 17:07	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			12/07/24 17:07	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/07/24 17:07	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			12/07/24 17:07	2
Isopropylbenzene	ND		2.0	1.6	ug/L			12/07/24 17:07	2
Methyl acetate	ND		5.0	2.6	ug/L			12/07/24 17:07	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			12/07/24 17:07	2
Methylcyclohexane	ND		2.0	0.32	ug/L			12/07/24 17:07	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/07/24 17:07	2
Styrene	ND		2.0	1.5	ug/L			12/07/24 17:07	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/07/24 17:07	2
Toluene	ND		2.0	1.0	ug/L			12/07/24 17:07	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/07/24 17:07	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/07/24 17:07	2
Trichloroethene	ND		2.0	0.92	ug/L			12/07/24 17:07	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			12/07/24 17:07	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/07/24 17:07	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/07/24 17:07	2

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-1

Date Collected: 12/04/24 14:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-10

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/07/24 17:07*	*2*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/24 17:07*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/07/24 17:07*	*2*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/07/24 17:07*	*2*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:27	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:27	1
Iron	**0.57**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:27	1
Manganese	**0.054**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:27	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			12/10/24 09:45	1
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			12/09/24 19:36	1
Total Dissolved Solids (SM 2540C)	**340**	**B**	10.0	4.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**8.8**		1.0	0.43	mg/L			12/06/24 08:03	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-2A

Date Collected: 12/04/24 15:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-11

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			12/07/24 17:29	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/07/24 17:29	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/07/24 17:29	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			12/07/24 17:29	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			12/07/24 17:29	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/07/24 17:29	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			12/07/24 17:29	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			12/07/24 17:29	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			12/07/24 17:29	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/07/24 17:29	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/07/24 17:29	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			12/07/24 17:29	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			12/07/24 17:29	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/07/24 17:29	2
2-Hexanone	ND		10	2.5	ug/L			12/07/24 17:29	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/07/24 17:29	2
Acetone	ND		20	6.0	ug/L			12/07/24 17:29	2
Benzene	ND		2.0	0.82	ug/L			12/07/24 17:29	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/07/24 17:29	2
Bromoform	ND		2.0	0.52	ug/L			12/07/24 17:29	2
Bromomethane	ND		2.0	1.4	ug/L			12/07/24 17:29	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/07/24 17:29	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/07/24 17:29	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/07/24 17:29	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/07/24 17:29	2
Chloroethane	ND		2.0	0.64	ug/L			12/07/24 17:29	2
Chloroform	ND		2.0	0.68	ug/L			12/07/24 17:29	2
Chloromethane	ND		2.0	0.70	ug/L			12/07/24 17:29	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			12/07/24 17:29	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/07/24 17:29	2
Cyclohexane	ND		2.0	0.36	ug/L			12/07/24 17:29	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			12/07/24 17:29	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/07/24 17:29	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			12/07/24 17:29	2
Isopropylbenzene	ND		2.0	1.6	ug/L			12/07/24 17:29	2
Methyl acetate	ND		5.0	2.6	ug/L			12/07/24 17:29	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			12/07/24 17:29	2
Methylcyclohexane	ND		2.0	0.32	ug/L			12/07/24 17:29	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/07/24 17:29	2
Styrene	ND		2.0	1.5	ug/L			12/07/24 17:29	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/07/24 17:29	2
Toluene	ND		2.0	1.0	ug/L			12/07/24 17:29	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/07/24 17:29	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/07/24 17:29	2
Trichloroethene	ND		2.0	0.92	ug/L			12/07/24 17:29	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			12/07/24 17:29	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/07/24 17:29	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/07/24 17:29	2

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-2A

Date Collected: 12/04/24 15:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-11

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/07/24 17:29*	*2*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/07/24 17:29*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/07/24 17:29*	*2*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/07/24 17:29*	*2*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:29	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:29	1
Iron	**0.39**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:29	1
Manganese	**0.020**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:29	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	**0.047**		0.010	0.0041	mg/L			12/10/24 09:48	1
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			12/09/24 19:40	1
Total Dissolved Solids (SM 2540C)	**384**	**B**	10.0	4.0	mg/L			12/06/24 11:35	1
Total Organic Carbon (SM 5310C)	**6.4**		1.0	0.43	mg/L			12/06/24 11:18	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-3A

Date Collected: 12/04/24 12:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-12

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1.0	0.82	ug/L			12/07/24 17:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/24 17:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/24 17:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/24 17:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/24 17:51	1
1,1-Dichloroethene	ND	F1	1.0	0.29	ug/L			12/07/24 17:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/24 17:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/24 17:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/24 17:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/24 17:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/24 17:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/24 17:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/24 17:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/24 17:51	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/24 17:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/24 17:51	1
Acetone	ND		10	3.0	ug/L			12/07/24 17:51	1
Benzene	ND		1.0	0.41	ug/L			12/07/24 17:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/24 17:51	1
Bromoform	ND		1.0	0.26	ug/L			12/07/24 17:51	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/24 17:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/24 17:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/24 17:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/24 17:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/24 17:51	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/24 17:51	1
Chloroform	ND		1.0	0.34	ug/L			12/07/24 17:51	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/24 17:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/24 17:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/24 17:51	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/24 17:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/24 17:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/24 17:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/24 17:51	1
Isopropylbenzene	ND	F1	1.0	0.79	ug/L			12/07/24 17:51	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/24 17:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/24 17:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/24 17:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/24 17:51	1
Styrene	ND		1.0	0.73	ug/L			12/07/24 17:51	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			12/07/24 17:51	1
Toluene	ND		1.0	0.51	ug/L			12/07/24 17:51	1
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			12/07/24 17:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/24 17:51	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/24 17:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/24 17:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/24 17:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/24 17:51	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-3A

Date Collected: 12/04/24 12:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-12

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/07/24 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/07/24 17:51*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/07/24 17:51*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/07/24 17:51*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:37	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:37	1
Iron	**0.38**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:37	1
Manganese	**0.020**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:37	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	**0.0047**	**J**	0.010	0.0041	mg/L			12/10/24 10:12	1
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			12/09/24 19:22	1
Total Dissolved Solids (SM 2540C)	**369**		10.0	4.0	mg/L			12/06/24 11:39	1
Total Organic Carbon (SM 5310C)	**5.6**		1.0	0.43	mg/L			12/05/24 22:15	1

Client Sample ID: SW-5

Date Collected: 12/04/24 13:15
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-13

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/24 18:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/24 18:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/24 18:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/24 18:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/24 18:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/24 18:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/24 18:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/24 18:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/24 18:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/24 18:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/24 18:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/24 18:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/24 18:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/24 18:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/24 18:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/24 18:13	1
Acetone	ND		10	3.0	ug/L			12/07/24 18:13	1
Benzene	ND		1.0	0.41	ug/L			12/07/24 18:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/24 18:13	1
Bromoform	ND		1.0	0.26	ug/L			12/07/24 18:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/24 18:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/24 18:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/24 18:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/24 18:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/24 18:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/24 18:13	1
Chloroform	ND		1.0	0.34	ug/L			12/07/24 18:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/24 18:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/24 18:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/24 18:13	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/24 18:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/24 18:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/24 18:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/24 18:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/24 18:13	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/24 18:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/24 18:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/24 18:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/24 18:13	1
Styrene	ND		1.0	0.73	ug/L			12/07/24 18:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/24 18:13	1
Toluene	ND		1.0	0.51	ug/L			12/07/24 18:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/24 18:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/24 18:13	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/24 18:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/24 18:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/24 18:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/24 18:13	1

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-5

Date Collected: 12/04/24 13:15
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-13

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/07/24 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/07/24 18:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/07/24 18:13*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/07/24 18:13*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:46	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:46	1
Iron	**0.89**		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:46	1
Manganese	**0.023**	**B**	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:46	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			12/10/24 09:51	1
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			12/09/24 19:44	1
Total Dissolved Solids (SM 2540C)	**450**		10.0	4.0	mg/L			12/06/24 11:39	1
Total Organic Carbon (SM 5310C)	**4.5**		1.0	0.43	mg/L			12/06/24 11:47	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-225947-1	MW-2B	97	101	100	100
480-225947-2	MW-3B	100	103	103	106
480-225947-3	MW-4B	100	101	103	104
480-225947-4	MW-6B	99	102	104	104
480-225947-5	MW-7B	99	102	101	105
480-225947-6	MW-15B	100	103	101	106
480-225947-7	MW-16B	100	104	103	106
480-225947-8	MW-18B	97	103	100	105
480-225947-9	Dup	98	102	100	104
480-225947-10	SW-1	99	103	102	107
480-225947-11	SW-2A	98	101	102	102
480-225947-12	SW-3A	99	102	102	107
480-225947-12 MS	SW-3A	101	99	97	102
480-225947-12 MSD	SW-3A	98	99	98	100
480-225947-13	SW-5	99	102	99	105
LCS 480-734616/6	Lab Control Sample	99	97	99	101
LCS 480-734709/6	Lab Control Sample	98	100	96	98
MB 480-734616/8	Method Blank	100	101	102	103
MB 480-734709/8	Method Blank	95	102	103	103

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-734616/8
Matrix: Water
Analysis Batch: 734616

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/24 13:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/24 13:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/24 13:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/24 13:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/24 13:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/24 13:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/24 13:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/24 13:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/24 13:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/24 13:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/24 13:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/24 13:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/24 13:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/24 13:16	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/24 13:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/24 13:16	1
Acetone	ND		10	3.0	ug/L			12/07/24 13:16	1
Benzene	ND		1.0	0.41	ug/L			12/07/24 13:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/24 13:16	1
Bromoform	ND		1.0	0.26	ug/L			12/07/24 13:16	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/24 13:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/24 13:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/24 13:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/24 13:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/24 13:16	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/24 13:16	1
Chloroform	ND		1.0	0.34	ug/L			12/07/24 13:16	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/24 13:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/24 13:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/24 13:16	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/24 13:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/24 13:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/24 13:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/24 13:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/24 13:16	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/24 13:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/24 13:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/24 13:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/24 13:16	1
Styrene	ND		1.0	0.73	ug/L			12/07/24 13:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/24 13:16	1
Toluene	ND		1.0	0.51	ug/L			12/07/24 13:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/24 13:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/24 13:16	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/24 13:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/24 13:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/24 13:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/24 13:16	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-734616/8
Matrix: Water
Analysis Batch: 734616

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/24 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/07/24 13:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/07/24 13:16*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/07/24 13:16*	*1*

Lab Sample ID: LCS 480-734616/6
Matrix: Water
Analysis Batch: 734616

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	28.1		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		103	76 - 120
1,1,2-Trichloroethane	25.0	26.1		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.4		ug/L		114	61 - 148
1,1-Dichloroethane	25.0	26.2		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	28.8		ug/L		115	66 - 127
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.3		ug/L		105	56 - 134
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	25.9		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 120
2-Butanone (MEK)	125	137		ug/L		109	57 - 140
2-Hexanone	125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		99	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	25.8		ug/L		103	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	26.9		ug/L		108	61 - 132
Bromomethane	25.0	22.1		ug/L		88	55 - 144
Carbon disulfide	25.0	27.9		ug/L		112	59 - 134
Carbon tetrachloride	25.0	28.8		ug/L		115	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Dibromochloromethane	25.0	26.9		ug/L		107	75 - 125
Chloroethane	25.0	23.8		ug/L		95	69 - 136
Chloroform	25.0	25.3		ug/L		101	73 - 127
Chloromethane	25.0	24.2		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	27.1		ug/L		109	74 - 124
Cyclohexane	25.0	27.6		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	22.7		ug/L		91	59 - 135
Ethylbenzene	25.0	27.0		ug/L		108	77 - 123
1,2-Dibromoethane	25.0	26.5		ug/L		106	77 - 120
Isopropylbenzene	25.0	27.9		ug/L		111	77 - 122
Methyl acetate	50.0	49.4		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	25.4		ug/L		102	77 - 120
Methylcyclohexane	25.0	27.8		ug/L		111	68 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-734616/6
Matrix: Water
Analysis Batch: 734616

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	27.2		ug/L		109	75 - 124
Styrene	25.0	27.0		ug/L		108	80 - 120
Tetrachloroethene	25.0	28.0		ug/L		112	74 - 122
Toluene	25.0	26.0		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	27.5		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	27.4		ug/L		110	80 - 120
Trichloroethene	25.0	27.1		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	26.1		ug/L		104	62 - 150
Vinyl chloride	25.0	24.2		ug/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-225947-12 MS
Matrix: Water
Analysis Batch: 734616

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND	F1	25.0	31.9	F1	ug/L		128	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	29.4		ug/L		118	76 - 120
1,1,2-Trichloroethane	ND		25.0	29.1		ug/L		116	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	31.3		ug/L		125	61 - 148
1,1-Dichloroethane	ND		25.0	29.9		ug/L		119	77 - 120
1,1-Dichloroethene	ND	F1	25.0	33.8	F1	ug/L		135	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	30.3		ug/L		121	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	30.0		ug/L		120	56 - 134
1,2-Dichlorobenzene	ND		25.0	29.2		ug/L		117	80 - 124
1,2-Dichloroethane	ND		25.0	27.5		ug/L		110	75 - 120
1,2-Dichloropropane	ND		25.0	28.1		ug/L		113	76 - 120
1,3-Dichlorobenzene	ND		25.0	28.7		ug/L		115	77 - 120
1,4-Dichlorobenzene	ND		25.0	28.2		ug/L		113	78 - 124
2-Butanone (MEK)	ND		125	144		ug/L		115	57 - 140
2-Hexanone	ND		125	136		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	142		ug/L		114	71 - 125
Acetone	ND		125	134		ug/L		107	56 - 142
Benzene	ND		25.0	28.8		ug/L		115	71 - 124
Bromodichloromethane	ND		25.0	28.5		ug/L		114	80 - 122
Bromoform	ND		25.0	29.2		ug/L		117	61 - 132
Bromomethane	ND		25.0	21.6		ug/L		87	55 - 144
Carbon disulfide	ND		25.0	30.2		ug/L		121	59 - 134
Carbon tetrachloride	ND		25.0	32.9		ug/L		132	72 - 134
Chlorobenzene	ND		25.0	28.9		ug/L		116	80 - 120
Dibromochloromethane	ND		25.0	29.2		ug/L		117	75 - 125
Chloroethane	ND		25.0	27.7		ug/L		111	69 - 136
Chloroform	ND		25.0	28.2		ug/L		113	73 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-225947-12 MS
Matrix: Water
Analysis Batch: 734616

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		25.0	27.2		ug/L		109	68 - 124
cis-1,2-Dichloroethene	ND		25.0	30.5		ug/L		122	74 - 124
cis-1,3-Dichloropropene	ND		25.0	28.5		ug/L		114	74 - 124
Cyclohexane	ND		25.0	30.5		ug/L		122	59 - 135
Dichlorodifluoromethane	ND		25.0	25.4		ug/L		102	59 - 135
Ethylbenzene	ND		25.0	30.0		ug/L		120	77 - 123
1,2-Dibromoethane	ND		25.0	28.8		ug/L		115	77 - 120
Isopropylbenzene	ND	F1	25.0	32.2	F1	ug/L		129	77 - 122
Methyl acetate	ND		50.0	55.5		ug/L		111	74 - 133
Methyl tert-butyl ether	ND		25.0	28.5		ug/L		114	77 - 120
Methylcyclohexane	ND		25.0	29.5		ug/L		118	68 - 134
Methylene Chloride	ND		25.0	30.3		ug/L		121	75 - 124
Styrene	ND		25.0	29.6		ug/L		119	80 - 120
Tetrachloroethene	ND	F1	25.0	31.2	F1	ug/L		125	74 - 122
Toluene	ND		25.0	29.3		ug/L		117	80 - 122
trans-1,2-Dichloroethene	ND	F1	25.0	31.9	F1	ug/L		128	73 - 127
trans-1,3-Dichloropropene	ND		25.0	29.1		ug/L		116	80 - 120
Trichloroethene	ND		25.0	29.9		ug/L		120	74 - 123
Trichlorofluoromethane	ND		25.0	30.0		ug/L		120	62 - 150
Vinyl chloride	ND		25.0	28.7		ug/L		115	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-225947-12 MSD
Matrix: Water
Analysis Batch: 734616

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	25.0	31.0		ug/L		124	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	28.8		ug/L		115	76 - 120	2	15
1,1,2-Trichloroethane	ND		25.0	28.6		ug/L		114	76 - 122	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	28.8		ug/L		115	61 - 148	9	20
1,1-Dichloroethane	ND		25.0	29.1		ug/L		116	77 - 120	3	20
1,1-Dichloroethene	ND	F1	25.0	32.0	F1	ug/L		128	66 - 127	6	16
1,2,4-Trichlorobenzene	ND		25.0	29.4		ug/L		117	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		25.0	29.8		ug/L		119	56 - 134	0	15
1,2-Dichlorobenzene	ND		25.0	28.5		ug/L		114	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	27.5		ug/L		110	75 - 120	0	20
1,2-Dichloropropane	ND		25.0	28.9		ug/L		116	76 - 120	3	20
1,3-Dichlorobenzene	ND		25.0	28.6		ug/L		114	77 - 120	0	20
1,4-Dichlorobenzene	ND		25.0	28.0		ug/L		112	78 - 124	1	20
2-Butanone (MEK)	ND		125	147		ug/L		118	57 - 140	2	20
2-Hexanone	ND		125	144		ug/L		115	65 - 127	5	15
4-Methyl-2-pentanone (MIBK)	ND		125	139		ug/L		111	71 - 125	2	35

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-225947-12 MSD
Matrix: Water
Analysis Batch: 734616

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		125	128		ug/L		102	56 - 142	5	15
Benzene	ND		25.0	28.7		ug/L		115	71 - 124	0	13
Bromodichloromethane	ND		25.0	29.1		ug/L		117	80 - 122	2	15
Bromoform	ND		25.0	29.5		ug/L		118	61 - 132	1	15
Bromomethane	ND		25.0	23.3		ug/L		93	55 - 144	7	15
Carbon disulfide	ND		25.0	28.9		ug/L		116	59 - 134	4	15
Carbon tetrachloride	ND		25.0	32.4		ug/L		130	72 - 134	1	15
Chlorobenzene	ND		25.0	28.8		ug/L		115	80 - 120	0	25
Dibromochloromethane	ND		25.0	29.1		ug/L		116	75 - 125	0	15
Chloroethane	ND		25.0	26.1		ug/L		104	69 - 136	6	15
Chloroform	ND		25.0	27.7		ug/L		111	73 - 127	2	20
Chloromethane	ND		25.0	26.6		ug/L		106	68 - 124	2	15
cis-1,2-Dichloroethene	ND		25.0	29.6		ug/L		118	74 - 124	3	15
cis-1,3-Dichloropropene	ND		25.0	29.5		ug/L		118	74 - 124	3	15
Cyclohexane	ND		25.0	29.0		ug/L		116	59 - 135	5	20
Dichlorodifluoromethane	ND		25.0	23.7		ug/L		95	59 - 135	7	20
Ethylbenzene	ND		25.0	29.7		ug/L		119	77 - 123	1	15
1,2-Dibromoethane	ND		25.0	29.4		ug/L		118	77 - 120	2	15
Isopropylbenzene	ND	F1	25.0	31.1	F1	ug/L		125	77 - 122	3	20
Methyl acetate	ND		50.0	53.1		ug/L		106	74 - 133	4	20
Methyl tert-butyl ether	ND		25.0	27.6		ug/L		110	77 - 120	3	37
Methylcyclohexane	ND		25.0	29.2		ug/L		117	68 - 134	1	20
Methylene Chloride	ND		25.0	29.3		ug/L		117	75 - 124	3	15
Styrene	ND		25.0	29.6		ug/L		118	80 - 120	0	20
Tetrachloroethene	ND	F1	25.0	30.2		ug/L		121	74 - 122	3	20
Toluene	ND		25.0	28.5		ug/L		114	80 - 122	3	15
trans-1,2-Dichloroethene	ND	F1	25.0	30.5		ug/L		122	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	29.6		ug/L		118	80 - 120	2	15
Trichloroethene	ND		25.0	30.1		ug/L		121	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	28.3		ug/L		113	62 - 150	6	20
Vinyl chloride	ND		25.0	26.6		ug/L		106	65 - 133	8	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: MB 480-734709/8
Matrix: Water
Analysis Batch: 734709

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/24 12:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/24 12:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/24 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/24 12:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/24 12:47	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-734709/8
Matrix: Water
Analysis Batch: 734709

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/24 12:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/24 12:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/24 12:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/24 12:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/24 12:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/24 12:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/24 12:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/24 12:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/24 12:47	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/24 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/24 12:47	1
Acetone	ND		10	3.0	ug/L			12/09/24 12:47	1
Benzene	ND		1.0	0.41	ug/L			12/09/24 12:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/24 12:47	1
Bromoform	ND		1.0	0.26	ug/L			12/09/24 12:47	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/24 12:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/24 12:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/24 12:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/24 12:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/24 12:47	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/24 12:47	1
Chloroform	ND		1.0	0.34	ug/L			12/09/24 12:47	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/24 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/24 12:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/24 12:47	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/24 12:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/24 12:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/24 12:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/24 12:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/24 12:47	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/24 12:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/24 12:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/24 12:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/24 12:47	1
Styrene	ND		1.0	0.73	ug/L			12/09/24 12:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/24 12:47	1
Toluene	ND		1.0	0.51	ug/L			12/09/24 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/24 12:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/24 12:47	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/24 12:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/24 12:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/24 12:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/24 12:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/09/24 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/09/24 12:47*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/09/24 12:47*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-734709/8
Matrix: Water
Analysis Batch: 734709

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		75 - 123		12/09/24 12:47	1

Lab Sample ID: LCS 480-734709/6
Matrix: Water
Analysis Batch: 734709

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.7		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	22.7		ug/L		91	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.9		ug/L		92	61 - 148
1,1-Dichloroethane	25.0	21.9		ug/L		88	77 - 120
1,1-Dichloroethene	25.0	21.5		ug/L		86	66 - 127
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	22.9		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	22.1		ug/L		88	77 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		91	80 - 120
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	122		ug/L		98	56 - 142
Benzene	25.0	22.9		ug/L		92	71 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Bromoform	25.0	24.3		ug/L		97	61 - 132
Bromomethane	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	25.0	21.1		ug/L		84	59 - 134
Carbon tetrachloride	25.0	27.0		ug/L		108	72 - 134
Chlorobenzene	25.0	21.2		ug/L		85	80 - 120
Dibromochloromethane	25.0	25.2		ug/L		101	75 - 125
Chloroethane	25.0	21.8		ug/L		87	69 - 136
Chloroform	25.0	21.4		ug/L		85	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	22.5		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	23.8		ug/L		95	74 - 124
Cyclohexane	25.0	22.8		ug/L		91	59 - 135
Dichlorodifluoromethane	25.0	21.4		ug/L		86	59 - 135
Ethylbenzene	25.0	22.7		ug/L		91	77 - 123
1,2-Dibromoethane	25.0	24.1		ug/L		96	77 - 120
Isopropylbenzene	25.0	23.8		ug/L		95	77 - 122
Methyl acetate	50.0	45.7		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	22.6		ug/L		90	77 - 120
Methylcyclohexane	25.0	23.3		ug/L		93	68 - 134
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
Styrene	25.0	23.2		ug/L		93	80 - 120
Tetrachloroethene	25.0	22.1		ug/L		88	74 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-734709/6
Matrix: Water
Analysis Batch: 734709

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	21.3		ug/L		85	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	80 - 120
Trichloroethene	25.0	22.3		ug/L		89	74 - 123
Trichlorofluoromethane	25.0	22.4		ug/L		90	62 - 150
Vinyl chloride	25.0	21.9		ug/L		87	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-734427/1-A
Matrix: Water
Analysis Batch: 734690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734427

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/24 08:53	12/06/24 17:01	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/24 08:53	12/06/24 17:01	1
Iron	ND		0.050	0.019	mg/L		12/06/24 08:53	12/06/24 17:01	1
Manganese	0.000674	J	0.0030	0.00040	mg/L		12/06/24 08:53	12/06/24 17:01	1
Lead	ND		0.010	0.0030	mg/L		12/06/24 08:53	12/06/24 17:01	1

Lab Sample ID: LCS 480-734427/2-A
Matrix: Water
Analysis Batch: 734690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.01	0.932		mg/L		93	80 - 120
Chromium	0.499	0.500		mg/L		100	80 - 120
Iron	5.10	5.62		mg/L		110	80 - 120
Manganese	0.498	0.482		mg/L		97	80 - 120
Lead	0.500	0.488		mg/L		98	80 - 120

Lab Sample ID: 480-225947-12 MS
Matrix: Water
Analysis Batch: 734690

Client Sample ID: SW-3A
Prep Type: Total/NA
Prep Batch: 734427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.01	0.953		mg/L		95	75 - 125
Chromium	ND		0.499	0.497		mg/L		99	75 - 125
Iron	0.38		5.10	5.97		mg/L		110	75 - 125
Manganese	0.020	B	0.498	0.507		mg/L		98	75 - 125
Lead	ND		0.500	0.495		mg/L		99	75 - 125

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

Lab Sample ID: 480-225947-12 MSD
Matrix: Water
Analysis Batch: 734690

Client Sample ID: SW-3A
Prep Type: Total/NA
Prep Batch: 734427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.01	0.948		mg/L		94	75 - 125	1	20
Chromium	ND		0.499	0.495		mg/L		99	75 - 125	0	20
Iron	0.38		5.10	5.95		mg/L		109	75 - 125	0	20
Manganese	0.020	B	0.498	0.509		mg/L		98	75 - 125	0	20
Lead	ND		0.500	0.493		mg/L		99	75 - 125	1	20

Lab Sample ID: MB 480-734457/1-A
Matrix: Water
Analysis Batch: 734748

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 734457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/07/24 09:46	12/09/24 12:12	1
Chromium	ND		0.0040	0.0010	mg/L		12/07/24 09:46	12/09/24 12:12	1
Iron	ND		0.050	0.019	mg/L		12/07/24 09:46	12/09/24 12:12	1
Manganese	0.000923	J	0.0030	0.00040	mg/L		12/07/24 09:46	12/09/24 12:12	1
Lead	ND	^+	0.010	0.0030	mg/L		12/07/24 09:46	12/09/24 12:12	1

Lab Sample ID: LCS 480-734457/2-A
Matrix: Water
Analysis Batch: 734748

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 734457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.01	0.989		mg/L		98	80 - 120
Chromium	0.499	0.498		mg/L		100	80 - 120
Iron	5.10	5.66		mg/L		111	80 - 120
Manganese	0.498	0.510		mg/L		102	80 - 120
Lead	0.500	0.515	^+	mg/L		103	80 - 120

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 480-734888/21
Matrix: Water
Analysis Batch: 734888

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			12/10/24 07:59	1

Lab Sample ID: MB 480-734888/47
Matrix: Water
Analysis Batch: 734888

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			12/10/24 09:26	1

Lab Sample ID: HLCS 480-734888/22
Matrix: Water
Analysis Batch: 734888

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

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.409		mg/L		102	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: LCS 480-734888/23
Matrix: Water
Analysis Batch: 734888

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.243		mg/L		97	90 - 110

Lab Sample ID: LCS 480-734888/48
Matrix: Water
Analysis Batch: 734888

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.246		mg/L		99	90 - 110

Lab Sample ID: 480-225947-7 MS
Matrix: Water
Analysis Batch: 734888

Client Sample ID: MW-16B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.055		0.100	0.148		mg/L		94	90 - 110

Lab Sample ID: 480-225947-12 MS
Matrix: Water
Analysis Batch: 734888

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0047	J	0.100	0.100		mg/L		96	90 - 110

Lab Sample ID: 480-225947-12 MSD
Matrix: Water
Analysis Batch: 734888

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0047	J	0.100	0.102		mg/L		97	90 - 110	2	15

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-734805/17
Matrix: Water
Analysis Batch: 734805

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0035	mg/L			12/09/24 17:32	1

Lab Sample ID: MB 480-734805/45
Matrix: Water
Analysis Batch: 734805

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0035	mg/L			12/09/24 19:15	1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 480-734805/18
Matrix: Water
Analysis Batch: 734805

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenolics, Total Recoverable			0.100	0.100		mg/L		100	90 - 110		

Lab Sample ID: LCS 480-734805/46
Matrix: Water
Analysis Batch: 734805

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenolics, Total Recoverable			0.100	0.100		mg/L		100	90 - 110		

Lab Sample ID: 480-225947-12 MS
Matrix: Water
Analysis Batch: 734805

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenolics, Total Recoverable	ND		0.100	0.102		mg/L		102	90 - 110		

Lab Sample ID: 480-225947-12 MSD
Matrix: Water
Analysis Batch: 734805

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenolics, Total Recoverable	ND		0.100	0.103		mg/L		103	90 - 110	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-734552/1
Matrix: Water
Analysis Batch: 734552

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.00	J	10.0	4.0	mg/L			12/06/24 11:35	1

Lab Sample ID: LCS 480-734552/2
Matrix: Water
Analysis Batch: 734552

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			501	486.0		mg/L		97	85 - 115		

Lab Sample ID: 480-225947-4 DU
Matrix: Water
Analysis Batch: 734552

Client Sample ID: MW-6B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1200	B		1208		mg/L				1	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 480-734553/1
Matrix: Water
Analysis Batch: 734553

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/06/24 11:39	1

Lab Sample ID: LCS 480-734553/2
Matrix: Water
Analysis Batch: 734553

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	501	496.0		mg/L		99	85 - 115

Lab Sample ID: 480-225947-12 DU
Matrix: Water
Analysis Batch: 734553

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	369		376.0		mg/L		2	10

Method: SM 5310C - TOC

Lab Sample ID: MB 480-734685/28
Matrix: Water
Analysis Batch: 734685

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			12/06/24 03:51	1

Lab Sample ID: MB 480-734685/4
Matrix: Water
Analysis Batch: 734685

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			12/05/24 16:39	1

Lab Sample ID: LCS 480-734685/29
Matrix: Water
Analysis Batch: 734685

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	61.40		mg/L		102	90 - 110

Lab Sample ID: LCS 480-734685/5
Matrix: Water
Analysis Batch: 734685

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	60.63		mg/L		101	90 - 110

Method: SM 5310C - TOC (Continued)

Lab Sample ID: 480-225947-12 MS
Matrix: Water
Analysis Batch: 734685

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	5.6		23.3	29.73		mg/L		104	54 - 131

Lab Sample ID: 480-225947-12 MSD
Matrix: Water
Analysis Batch: 734685

Client Sample ID: SW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	5.6		23.3	29.66		mg/L		104	54 - 131	0	20

Lab Sample ID: MB 480-734823/4
Matrix: Water
Analysis Batch: 734823

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			12/09/24 16:28	1

Lab Sample ID: LCS 480-734823/5
Matrix: Water
Analysis Batch: 734823

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	60.49		mg/L		101	90 - 110

Lab Sample ID: 480-225947-4 MS
Matrix: Water
Analysis Batch: 734823

Client Sample ID: MW-6B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	4.8		23.3	29.05		mg/L		104	54 - 131

Lab Sample ID: 480-225947-2 DU
Matrix: Water
Analysis Batch: 734823

Client Sample ID: MW-3B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	130		120.8		mg/L		7	20

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

GC/MS VOA

Analysis Batch: 734616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-2	MW-3B	Total/NA	Water	8260C	
480-225947-3	MW-4B	Total/NA	Water	8260C	
480-225947-4	MW-6B	Total/NA	Water	8260C	
480-225947-5	MW-7B	Total/NA	Water	8260C	
480-225947-6	MW-15B	Total/NA	Water	8260C	
480-225947-7	MW-16B	Total/NA	Water	8260C	
480-225947-8	MW-18B	Total/NA	Water	8260C	
480-225947-9	Dup	Total/NA	Water	8260C	
480-225947-10	SW-1	Total/NA	Water	8260C	
480-225947-11	SW-2A	Total/NA	Water	8260C	
480-225947-12	SW-3A	Total/NA	Water	8260C	
480-225947-13	SW-5	Total/NA	Water	8260C	
MB 480-734616/8	Method Blank	Total/NA	Water	8260C	
LCS 480-734616/6	Lab Control Sample	Total/NA	Water	8260C	
480-225947-12 MS	SW-3A	Total/NA	Water	8260C	
480-225947-12 MSD	SW-3A	Total/NA	Water	8260C	

Analysis Batch: 734709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-1	MW-2B	Total/NA	Water	8260C	
MB 480-734709/8	Method Blank	Total/NA	Water	8260C	
LCS 480-734709/6	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 734427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-1	MW-2B	Total/NA	Water	3005A	
480-225947-2	MW-3B	Total/NA	Water	3005A	
480-225947-3	MW-4B	Total/NA	Water	3005A	
480-225947-4	MW-6B	Total/NA	Water	3005A	
480-225947-5	MW-7B	Total/NA	Water	3005A	
480-225947-6	MW-15B	Total/NA	Water	3005A	
480-225947-7	MW-16B	Total/NA	Water	3005A	
480-225947-8	MW-18B	Total/NA	Water	3005A	
480-225947-9	Dup	Total/NA	Water	3005A	
480-225947-10	SW-1	Total/NA	Water	3005A	
480-225947-11	SW-2A	Total/NA	Water	3005A	
480-225947-12	SW-3A	Total/NA	Water	3005A	
480-225947-13	SW-5	Total/NA	Water	3005A	
MB 480-734427/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-734427/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-225947-12 MS	SW-3A	Total/NA	Water	3005A	
480-225947-12 MSD	SW-3A	Total/NA	Water	3005A	

Prep Batch: 734457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-2	MW-3B	Dissolved	Water	3005A	
MB 480-734457/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-734457/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Analysis Batch: 734690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-1	MW-2B	Total/NA	Water	6010C	734427
480-225947-2	MW-3B	Total/NA	Water	6010C	734427
480-225947-3	MW-4B	Total/NA	Water	6010C	734427
480-225947-4	MW-6B	Total/NA	Water	6010C	734427
480-225947-5	MW-7B	Total/NA	Water	6010C	734427
480-225947-6	MW-15B	Total/NA	Water	6010C	734427
480-225947-7	MW-16B	Total/NA	Water	6010C	734427
480-225947-8	MW-18B	Total/NA	Water	6010C	734427
480-225947-9	Dup	Total/NA	Water	6010C	734427
480-225947-10	SW-1	Total/NA	Water	6010C	734427
480-225947-11	SW-2A	Total/NA	Water	6010C	734427
480-225947-12	SW-3A	Total/NA	Water	6010C	734427
480-225947-13	SW-5	Total/NA	Water	6010C	734427
MB 480-734427/1-A	Method Blank	Total/NA	Water	6010C	734427
LCS 480-734427/2-A	Lab Control Sample	Total/NA	Water	6010C	734427
480-225947-12 MS	SW-3A	Total/NA	Water	6010C	734427
480-225947-12 MSD	SW-3A	Total/NA	Water	6010C	734427

Analysis Batch: 734748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-2	MW-3B	Dissolved	Water	6010C	734457
MB 480-734457/1-A	Method Blank	Total Recoverable	Water	6010C	734457
LCS 480-734457/2-A	Lab Control Sample	Total Recoverable	Water	6010C	734457

General Chemistry

Analysis Batch: 734552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-1	MW-2B	Total/NA	Water	SM 2540C	
480-225947-2	MW-3B	Total/NA	Water	SM 2540C	
480-225947-3	MW-4B	Total/NA	Water	SM 2540C	
480-225947-4	MW-6B	Total/NA	Water	SM 2540C	
480-225947-5	MW-7B	Total/NA	Water	SM 2540C	
480-225947-6	MW-15B	Total/NA	Water	SM 2540C	
480-225947-7	MW-16B	Total/NA	Water	SM 2540C	
480-225947-8	MW-18B	Total/NA	Water	SM 2540C	
480-225947-9	Dup	Total/NA	Water	SM 2540C	
480-225947-10	SW-1	Total/NA	Water	SM 2540C	
480-225947-11	SW-2A	Total/NA	Water	SM 2540C	
MB 480-734552/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-734552/2	Lab Control Sample	Total/NA	Water	SM 2540C	
480-225947-4 DU	MW-6B	Total/NA	Water	SM 2540C	

Analysis Batch: 734553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-12	SW-3A	Total/NA	Water	SM 2540C	
480-225947-13	SW-5	Total/NA	Water	SM 2540C	
MB 480-734553/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-734553/2	Lab Control Sample	Total/NA	Water	SM 2540C	
480-225947-12 DU	SW-3A	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 734685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-1	MW-2B	Total/NA	Water	SM 5310C	
480-225947-3	MW-4B	Total/NA	Water	SM 5310C	
480-225947-5	MW-7B	Total/NA	Water	SM 5310C	
480-225947-6	MW-15B	Total/NA	Water	SM 5310C	
480-225947-7	MW-16B	Total/NA	Water	SM 5310C	
480-225947-8	MW-18B	Total/NA	Water	SM 5310C	
480-225947-9	Dup	Total/NA	Water	SM 5310C	
480-225947-10	SW-1	Total/NA	Water	SM 5310C	
480-225947-11	SW-2A	Total/NA	Water	SM 5310C	
480-225947-12	SW-3A	Total/NA	Water	SM 5310C	
480-225947-13	SW-5	Total/NA	Water	SM 5310C	
MB 480-734685/28	Method Blank	Total/NA	Water	SM 5310C	
MB 480-734685/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-734685/29	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 480-734685/5	Lab Control Sample	Total/NA	Water	SM 5310C	
480-225947-12 MS	SW-3A	Total/NA	Water	SM 5310C	
480-225947-12 MSD	SW-3A	Total/NA	Water	SM 5310C	

Analysis Batch: 734805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-1	MW-2B	Total/NA	Water	420.4	
480-225947-2	MW-3B	Total/NA	Water	420.4	
480-225947-3	MW-4B	Total/NA	Water	420.4	
480-225947-4	MW-6B	Total/NA	Water	420.4	
480-225947-5	MW-7B	Total/NA	Water	420.4	
480-225947-6	MW-15B	Total/NA	Water	420.4	
480-225947-7	MW-16B	Total/NA	Water	420.4	
480-225947-8	MW-18B	Total/NA	Water	420.4	
480-225947-9	Dup	Total/NA	Water	420.4	
480-225947-10	SW-1	Total/NA	Water	420.4	
480-225947-11	SW-2A	Total/NA	Water	420.4	
480-225947-12	SW-3A	Total/NA	Water	420.4	
480-225947-13	SW-5	Total/NA	Water	420.4	
MB 480-734805/17	Method Blank	Total/NA	Water	420.4	
MB 480-734805/45	Method Blank	Total/NA	Water	420.4	
LCS 480-734805/18	Lab Control Sample	Total/NA	Water	420.4	
LCS 480-734805/46	Lab Control Sample	Total/NA	Water	420.4	
480-225947-12 MS	SW-3A	Total/NA	Water	420.4	
480-225947-12 MSD	SW-3A	Total/NA	Water	420.4	

Analysis Batch: 734823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-2	MW-3B	Total/NA	Water	SM 5310C	
480-225947-4	MW-6B	Total/NA	Water	SM 5310C	
MB 480-734823/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-734823/5	Lab Control Sample	Total/NA	Water	SM 5310C	
480-225947-4 MS	MW-6B	Total/NA	Water	SM 5310C	
480-225947-2 DU	MW-3B	Total/NA	Water	SM 5310C	

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

General Chemistry

Analysis Batch: 734888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225947-1	MW-2B	Total/NA	Water	335.4	
480-225947-2	MW-3B	Total/NA	Water	335.4	
480-225947-3	MW-4B	Total/NA	Water	335.4	
480-225947-4	MW-6B	Total/NA	Water	335.4	
480-225947-5	MW-7B	Total/NA	Water	335.4	
480-225947-6	MW-15B	Total/NA	Water	335.4	
480-225947-7	MW-16B	Total/NA	Water	335.4	
480-225947-8	MW-18B	Total/NA	Water	335.4	
480-225947-9	Dup	Total/NA	Water	335.4	
480-225947-10	SW-1	Total/NA	Water	335.4	
480-225947-11	SW-2A	Total/NA	Water	335.4	
480-225947-12	SW-3A	Total/NA	Water	335.4	
480-225947-13	SW-5	Total/NA	Water	335.4	
MB 480-734888/21	Method Blank	Total/NA	Water	335.4	
MB 480-734888/47	Method Blank	Total/NA	Water	335.4	
HLCS 480-734888/22	Lab Control Sample	Total/NA	Water	335.4	
LCS 480-734888/23	Lab Control Sample	Total/NA	Water	335.4	
LCS 480-734888/48	Lab Control Sample	Total/NA	Water	335.4	
480-225947-7 MS	MW-16B	Total/NA	Water	335.4	
480-225947-12 MS	SW-3A	Total/NA	Water	335.4	
480-225947-12 MSD	SW-3A	Total/NA	Water	335.4	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-2B
Date Collected: 12/04/24 09:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	734709	AD	EET BUF	12/09/24 13:34
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:04
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 08:51
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 18:01
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/05/24 23:38

Client Sample ID: MW-3B
Date Collected: 12/04/24 12:25
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	734616	ERS	EET BUF	12/07/24 14:00
Dissolved	Prep	3005A			734457	ET	EET BUF	12/07/24 09:46
Dissolved	Analysis	6010C		1	734748	BMB	EET BUF	12/09/24 13:01
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:06
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 08:55
Total/NA	Analysis	420.4		10	734805	CLT	EET BUF	12/09/24 18:05
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		2	734823	AF	EET BUF	12/09/24 23:06

Client Sample ID: MW-4B
Date Collected: 12/04/24 11:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	734616	ERS	EET BUF	12/07/24 14:22
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:14
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 08:58
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 18:38
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 00:34

Client Sample ID: MW-6B
Date Collected: 12/04/24 11:45
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	734616	ERS	EET BUF	12/07/24 14:45
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:16

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-6B
Date Collected: 12/04/24 11:45
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:01
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 18:41
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734823	AF	EET BUF	12/09/24 22:10

Client Sample ID: MW-7B
Date Collected: 12/04/24 10:15
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	734616	ERS	EET BUF	12/07/24 15:07
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:18
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:04
Total/NA	Analysis	420.4		10	734805	CLT	EET BUF	12/09/24 18:45
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 01:30

Client Sample ID: MW-15B
Date Collected: 12/04/24 10:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	734616	ERS	EET BUF	12/07/24 15:29
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:20
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:08
Total/NA	Analysis	420.4		2	734805	CLT	EET BUF	12/09/24 18:49
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 01:58

Client Sample ID: MW-16B
Date Collected: 12/04/24 09:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	734616	ERS	EET BUF	12/07/24 15:51
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:22
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:31
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 18:52
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 02:25

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: MW-18B
Date Collected: 12/03/24 13:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	734616	ERS	EET BUF	12/07/24 16:13
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:23
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:38
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 18:56
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 07:05

Client Sample ID: Dup
Date Collected: 12/04/24 00:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	734616	ERS	EET BUF	12/07/24 16:45
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:25
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:41
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 19:33
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 07:34

Client Sample ID: SW-1
Date Collected: 12/04/24 14:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	734616	ERS	EET BUF	12/07/24 17:07
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:27
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:45
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 19:36
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 08:03

Client Sample ID: SW-2A
Date Collected: 12/04/24 15:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	734616	ERS	EET BUF	12/07/24 17:29
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:29
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:48

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Client Sample ID: SW-2A
Date Collected: 12/04/24 15:00
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 19:40
Total/NA	Analysis	SM 2540C		1	734552	AB	EET BUF	12/06/24 11:35
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 11:18

Client Sample ID: SW-3A
Date Collected: 12/04/24 12:30
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	734616	ERS	EET BUF	12/07/24 17:51
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:37
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 10:12
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 19:22
Total/NA	Analysis	SM 2540C		1	734553	AB	EET BUF	12/06/24 11:39
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/05/24 22:15

Client Sample ID: SW-5
Date Collected: 12/04/24 13:15
Date Received: 12/04/24 16:10

Lab Sample ID: 480-225947-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	734616	ERS	EET BUF	12/07/24 18:13
Total/NA	Prep	3005A			734427	ET	EET BUF	12/06/24 08:53
Total/NA	Analysis	6010C		1	734690	MP	EET BUF	12/06/24 17:46
Total/NA	Analysis	335.4		1	734888	CLT	EET BUF	12/10/24 09:51
Total/NA	Analysis	420.4		1	734805	CLT	EET BUF	12/09/24 19:44
Total/NA	Analysis	SM 2540C		1	734553	AB	EET BUF	12/06/24 11:39
Total/NA	Analysis	SM 5310C		1	734685	AF	EET BUF	12/06/24 11:47

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: Steelfields

Job ID: 480-225947-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
335.4		Water	Cyanide, Total

Method Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-225947-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
335.4	Cyanide, Total	EPA	EET BUF
420.4	Phenolics, Total Recoverable	EPA	EET BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET BUF
SM 5310C	TOC	SM	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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: Steelfields

Job ID: 480-225947-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-225947-1	MW-2B	Water	12/04/24 09:30	12/04/24 16:10
480-225947-2	MW-3B	Water	12/04/24 12:25	12/04/24 16:10
480-225947-3	MW-4B	Water	12/04/24 11:00	12/04/24 16:10
480-225947-4	MW-6B	Water	12/04/24 11:45	12/04/24 16:10
480-225947-5	MW-7B	Water	12/04/24 10:15	12/04/24 16:10
480-225947-6	MW-15B	Water	12/04/24 10:30	12/04/24 16:10
480-225947-7	MW-16B	Water	12/04/24 09:00	12/04/24 16:10
480-225947-8	MW-18B	Water	12/03/24 13:30	12/04/24 16:10
480-225947-9	Dup	Water	12/04/24 00:00	12/04/24 16:10
480-225947-10	SW-1	Water	12/04/24 14:30	12/04/24 16:10
480-225947-11	SW-2A	Water	12/04/24 15:00	12/04/24 16:10
480-225947-12	SW-3A	Water	12/04/24 12:30	12/04/24 16:10
480-225947-13	SW-5	Water	12/04/24 13:15	12/04/24 16:10

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BRENDAN + ANDREW	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-201125-41420.1
Client Contact: Mr. Andrew Benkleman	Phone: 716-764-3184	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: LaBella Associates DPC	PWSID:			Job #:
Address: 300 Pearl Street Suite 130	Due Date Requested:			
City: Buffalo	TAT Requested (days): STD			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone: 716-768-3184(Tel)	PO #: 2222148			
Email: abenkleman@labellapc.com	WO #:			
Project Name: Steelfields - GW/SW	Project #: 48025151			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL; D - HNO3; S - H2SO4; N - None; B - NaOH

Other:

Special Instructions/Note:

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)	8260C - VOCs (A)	6010C - T. metals (D)	420.4_NP - Phenols (S)	2540C_Calcd - TDS (N)	5310C - TOC (S)	335.4_NP - Cn- (B)	420.4_NP - Phenol (S)	6010C - D. metals (N)	Total Number of containers
			Preservation Code:				A	D	S	N	S	B	S	N	
MW-2B	12/4/24	930	G	Water			X	X	X	X	X	X			
MW-3B		1225		Water			X	X	X	X	X	X		X	
MW-4B		1100		Water			X	X	X	X	X	X			
MW-6B		1145		Water			X	X	X	X	X	X			
MW-7B		1015		Water			X	X	X	X	X	X			
MW-15B		1030		Water			X	X	X	X	X	X			
MW-16B		900		Water			X	X	X	X	X	X			
MW-18B	12/3/24	1330		Water			X	X	X	X	X	X			
Dup	12/4/24	—		Water			X	X	X	X	X	X			
MS SW-34				Water			X	X	X	X	X	X			
MSD SW-34				Water			X	X	X	X	X	X			

480-225947 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 12/4/24 1610	Company: LaBella	Received by:	Date/Time: 12/4/24 1610	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
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: 0.5 1.1 1.0 IR#SC ICE

Ver: 10/10/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BRENDAN + ANDREW	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-201125-41420.2
Client Contact: Mr. Andrew Benkleman	Phone: 716-768-3184	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: LaBella Associates DPC	PWSID:			Job #:
Address: 300 Pearl Street Suite 130	Due Date Requested:			
City: Buffalo	TAT Requested (days): STD			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone: 716-768-3184(Tel)	PO #: 2222148			
Email: abenkleman@labellapc.com	WO #:			
Project Name: Steelfields - GW/SW	Project #: 48025151			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
D - HNO3
S - H2SO4
N - None
B - NaOH
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)	8260C - VOCs	6010C - T. metals	420.4_NP - Phenols	2540C_Calcd - TDS	5310C - TOC	335.4_NP - Cn-	420.4_NP - Phenol	6010C - D, metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	D	S	N	S	B	S	N		
SW-1	12/4/24	1430	G	Water			X	X	X	X	X	X				
SW-2A	"	1500	"	Water			X	X	X	X	X	X				
SW-3A	"	1230	"	Water			X	X	X	X	X	X				
SW-5	"	1315	"	Water			X	X	X	X	X	X				
Dup				Water												
MS				Water												
MSD				Water												
				Water												
				Water												
				Water												
				Water												

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: 12/4/24 1610	Company: LaBella	Received by:	Date/Time: 12/4/24 1610	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
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:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-225947-1

Login Number: 225947
List Number: 1
Creator: Stapleton, Kaitlyn

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	0.8 IR#SC 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	Lebella
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andrew Benkleman
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Generated 3/1/2024 9:45:30 AM

JOB DESCRIPTION

Steelfields

JOB NUMBER

480-217140-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

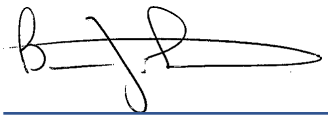
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
3/1/2024 9:45:30 AM

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

Table of Contents

Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
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 Narrative
480-217140-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 2/15/2024 3:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

PFAS
Method 1633_B24: In preparation batch 280-643940, the following sample was diluted due to elevated TSS in the sample matrix: MW-03B (480-217140-1) (5x). Elevated reporting limits (RLs) are provided. Because the sample was extracted at a dilution, the original sample container could not be rinsed. Method 1633_SPE/1633_B24.

Method 1633_B24: Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MW-03B (480-217140-1). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The associate target analytes were non-detected, therefore data are reported.

Method 1633_B24: The “I” qualifier means the transition mass ratio for the indicated analytes were outside of the established ratio limits. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. The affected sample is (LLCS 280-643940/2-A) in analytical batch (280-644108).

Method 1633_B24: Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (LCS 280-643940/3-A). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 1633_B24: The following sample was diluted due to the nature of the sample matrix: MW-03B (480-217140-1). Elevated reporting limits (RLs) are provided. Because ISTD recoveries are >5%, data are reported.

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: Steelfields

Job ID: 480-217140-1

Client Sample ID: MW-03B

Lab Sample ID: 480-217140-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	220		10	2.9	ng/L	1		Draft 1633	Total/NA
Perfluorohexanoic acid (PFHxA)	22		10	1.7	ng/L	1		Draft 1633	Total/NA
Perfluorooctanoic acid (PFOA)	19		10	3.2	ng/L	1		Draft 1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.6	J	10	1.6	ng/L	1		Draft 1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Client Sample ID: MW-03B
Date Collected: 02/15/24 13:00
Date Received: 02/15/24 15:30

Lab Sample ID: 480-217140-1
Matrix: Water

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**220**		10	2.9	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluoropentanoic acid (PFPeA)	ND		10	1.9	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorohexanoic acid (PFHxA)	**22**		10	1.7	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorooctanoic acid (PFOA)	**19**		10	3.2	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorononanoic acid (PFNA)	ND		10	0.90	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorodecanoic acid (PFDA)	ND		10	1.8	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluoroundecanoic acid (PFUnA)	ND		10	1.4	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorododecanoic acid (PFDoA)	ND		10	1.8	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorotridecanoic acid (PFTriA)	ND		10	2.1	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorotetradecanoic acid (PFTeDA)	ND		10	1.0	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		10	0.83	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		10	0.77	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		10	1.2	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		10	2.0	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorooctanesulfonic acid (PFOS)	**2.6**	**J**	10	1.6	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorononanesulfonic acid (PFNS)	ND		10	0.76	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		10	1.2	ng/L		02/23/24 10:11	02/26/24 21:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		10	1.1	ng/L		02/23/24 10:11	02/26/24 21:00	1
4:2 FTS	ND		25	3.4	ng/L		02/23/24 10:11	02/26/24 21:00	1
6:2 FTS	ND		50	2.9	ng/L		02/23/24 10:11	02/26/24 21:00	1
8:2 FTS	ND		50	3.8	ng/L		02/23/24 10:11	02/26/24 21:00	1
NMeFOSA	ND		10	1.5	ng/L		02/23/24 10:11	02/26/24 21:00	1
NEtFOSA	ND		10	0.97	ng/L		02/23/24 10:11	02/26/24 21:00	1
NMeFOSAA	ND		10	2.1	ng/L		02/23/24 10:11	02/26/24 21:00	1
NEtFOSAA	ND		10	1.8	ng/L		02/23/24 10:11	02/26/24 21:00	1
NMeFOSE	ND		50	11	ng/L		02/23/24 10:11	02/26/24 21:00	1
NEtFOSE	ND		100	5.7	ng/L		02/23/24 10:11	02/26/24 21:00	1
HFPO-DA (GenX)	ND		10	2.3	ng/L		02/23/24 10:11	02/26/24 21:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		10	2.2	ng/L		02/23/24 10:11	02/26/24 21:00	1
PFMBA	ND		25	2.4	ng/L		02/23/24 10:11	02/26/24 21:00	1
NFDHA	ND		10	1.9	ng/L		02/23/24 10:11	02/26/24 21:00	1
PFMPA	ND		25	2.5	ng/L		02/23/24 10:11	02/26/24 21:00	1
9Cl-PF3ONS	ND		25	5.4	ng/L		02/23/24 10:11	02/26/24 21:00	1
11Cl-PF3OUdS	ND		25	6.1	ng/L		02/23/24 10:11	02/26/24 21:00	1
PFEESA	ND		25	1.7	ng/L		02/23/24 10:11	02/26/24 21:00	1
3:3 FTCA	ND		50	8.8	ng/L		02/23/24 10:11	02/26/24 21:00	1
5:3 FTCA	ND		100	26	ng/L		02/23/24 10:11	02/26/24 21:00	1
7:3 FTCA	ND		100	28	ng/L		02/23/24 10:11	02/26/24 21:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*28*		*5 - 130*	*02/23/24 10:11*	*02/26/24 21:00*	*1*
13C5 PFPeA	*54*		*40 - 130*	*02/23/24 10:11*	*02/26/24 21:00*	*1*
13C5 PFHxA	*87*		*40 - 130*	*02/23/24 10:11*	*02/26/24 21:00*	*1*
13C8 PFOA	*111*		*40 - 130*	*02/23/24 10:11*	*02/26/24 21:00*	*1*
13C9 PFNA	*112*		*40 - 130*	*02/23/24 10:11*	*02/26/24 21:00*	*1*
13C6 PFDA	*120*		*40 - 130*	*02/23/24 10:11*	*02/26/24 21:00*	*1*

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Client Sample ID: MW-03B
Date Collected: 02/15/24 13:00
Date Received: 02/15/24 15:30

Lab Sample ID: 480-217140-1
Matrix: Water

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	109		30 - 130	02/23/24 10:11	02/26/24 21:00	1
13C2 PFDoA	101		10 - 130	02/23/24 10:11	02/26/24 21:00	1
13C2 PFTeDA	41		10 - 130	02/23/24 10:11	02/26/24 21:00	1
13C3 PFBS	121		40 - 135	02/23/24 10:11	02/26/24 21:00	1
13C3 PFHxS	126		40 - 130	02/23/24 10:11	02/26/24 21:00	1
13C8 PFOS	105		40 - 130	02/23/24 10:11	02/26/24 21:00	1
d3-NMeFOSAA	150		40 - 170	02/23/24 10:11	02/26/24 21:00	1
d5-NEtFOSAA	146	*5+	25 - 135	02/23/24 10:11	02/26/24 21:00	1
M2-4:2 FTS	176		40 - 200	02/23/24 10:11	02/26/24 21:00	1
M2-6:2 FTS	206	*5+	40 - 200	02/23/24 10:11	02/26/24 21:00	1
M2-8:2 FTS	225		40 - 300	02/23/24 10:11	02/26/24 21:00	1
13C3 HFPO-DA	119		40 - 130	02/23/24 10:11	02/26/24 21:00	1
d7-N-MeFOSE-M	65		10 - 130	02/23/24 10:11	02/26/24 21:00	1
d9-N-EtFOSE-M	51		10 - 130	02/23/24 10:11	02/26/24 21:00	1
d5-NEtPFOSA	82		10 - 130	02/23/24 10:11	02/26/24 21:00	1
d3-NMePFOSA	88		10 - 130	02/23/24 10:11	02/26/24 21:00	1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		100	9.9	ng/L		02/23/24 10:11	02/28/24 15:58	10
Perfluorooctanesulfonamide (PFOSA)	ND		100	9.7	ng/L		02/23/24 10:11	02/28/24 15:58	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	117		40 - 130	02/23/24 10:11	02/28/24 15:58	10
13C8 FOSA	117		40 - 130	02/23/24 10:11	02/28/24 15:58	10

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
480-217140-1	MW-03B	28	54	87		111	112	120	109
480-217140-1 - DL	MW-03B				117				
LCS 280-643940/3-A	Lab Control Sample	109	118	115	132 *5+	108	122	111	119
LCSD 280-643940/4-A	Lab Control Sample Dup	106	102	102	102	115	110	109	117
LLCS 280-643940/2-A	Lab Control Sample	113	97	110	97	115	110	117	115
MB 280-643940/1-A	Method Blank	108	102	109	124	109	122	117	110

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (10-130)	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)
480-217140-1	MW-03B	101	41	121	126	105		150	146 *5+
480-217140-1 - DL	MW-03B						117		
LCS 280-643940/3-A	Lab Control Sample	100	85	104	114	107	125	123	116
LCSD 280-643940/4-A	Lab Control Sample Dup	120	75	103	104	102	113	110	97
LLCS 280-643940/2-A	Lab Control Sample	103	88	111	119	103	102	128	114
MB 280-643940/1-A	Method Blank	107	76	123	118	110	119	112	105

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (40-200)	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)
480-217140-1	MW-03B	176	206 *5+	225	119	65	51	82	88
480-217140-1 - DL	MW-03B								
LCS 280-643940/3-A	Lab Control Sample	109	120	126	121	88	90	77	73
LCSD 280-643940/4-A	Lab Control Sample Dup	112	114	106	98	96	93	76	71
LLCS 280-643940/2-A	Lab Control Sample	109	118	99	95	100	114	85	86
MB 280-643940/1-A	Method Blank	127	127	121	110	93	99	80	78

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

d3NMFSA = d3-NMePFOSA

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 280-643940/1-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0	0.59	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.34	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.20	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.65	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.18	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.37	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.28	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.36	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.42	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.21	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.17	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.15	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.24	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.40	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.32	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.15	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.24	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.22	ng/L		02/23/24 10:11	02/26/24 19:23	1
4:2 FTS	ND		5.0	0.68	ng/L		02/23/24 10:11	02/26/24 19:23	1
6:2 FTS	ND		10	0.59	ng/L		02/23/24 10:11	02/26/24 19:23	1
8:2 FTS	ND		10	0.77	ng/L		02/23/24 10:11	02/26/24 19:23	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.20	ng/L		02/23/24 10:11	02/26/24 19:23	1
NMeFOSA	ND		2.0	0.31	ng/L		02/23/24 10:11	02/26/24 19:23	1
NEtFOSA	ND		2.0	0.20	ng/L		02/23/24 10:11	02/26/24 19:23	1
NMeFOSAA	ND		2.0	0.42	ng/L		02/23/24 10:11	02/26/24 19:23	1
NEtFOSAA	ND		2.0	0.36	ng/L		02/23/24 10:11	02/26/24 19:23	1
NMeFOSE	ND		10	2.2	ng/L		02/23/24 10:11	02/26/24 19:23	1
NEtFOSE	ND		20	1.2	ng/L		02/23/24 10:11	02/26/24 19:23	1
HFPO-DA (GenX)	ND		2.0	0.47	ng/L		02/23/24 10:11	02/26/24 19:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.43	ng/L		02/23/24 10:11	02/26/24 19:23	1
PFMBA	ND		5.0	0.48	ng/L		02/23/24 10:11	02/26/24 19:23	1
NFDHA	ND		2.0	0.38	ng/L		02/23/24 10:11	02/26/24 19:23	1
PFMPA	ND		5.0	0.50	ng/L		02/23/24 10:11	02/26/24 19:23	1
9Cl-PF3ONS	ND		5.0	1.1	ng/L		02/23/24 10:11	02/26/24 19:23	1
11Cl-PF3OUdS	ND		5.0	1.2	ng/L		02/23/24 10:11	02/26/24 19:23	1
PFEESA	ND		5.0	0.34	ng/L		02/23/24 10:11	02/26/24 19:23	1
3:3 FTCA	ND		10	1.8	ng/L		02/23/24 10:11	02/26/24 19:23	1
5:3 FTCA	ND		20	5.1	ng/L		02/23/24 10:11	02/26/24 19:23	1
7:3 FTCA	ND		20	5.5	ng/L		02/23/24 10:11	02/26/24 19:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*108*		*5 - 130*	*02/23/24 10:11*	*02/26/24 19:23*	*1*
13C5 PFPeA	*102*		*40 - 130*	*02/23/24 10:11*	*02/26/24 19:23*	*1*
13C5 PFHxA	*109*		*40 - 130*	*02/23/24 10:11*	*02/26/24 19:23*	*1*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-643940/1-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643940

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	124		40 - 130	02/23/24 10:11	02/26/24 19:23	1
13C8 PFOA	109		40 - 130	02/23/24 10:11	02/26/24 19:23	1
13C9 PFNA	122		40 - 130	02/23/24 10:11	02/26/24 19:23	1
13C6 PFDA	117		40 - 130	02/23/24 10:11	02/26/24 19:23	1
13C7 PFUnA	110		30 - 130	02/23/24 10:11	02/26/24 19:23	1
13C2 PFDoA	107		10 - 130	02/23/24 10:11	02/26/24 19:23	1
13C2 PFTeDA	76		10 - 130	02/23/24 10:11	02/26/24 19:23	1
13C3 PFBS	123		40 - 135	02/23/24 10:11	02/26/24 19:23	1
13C3 PFHxS	118		40 - 130	02/23/24 10:11	02/26/24 19:23	1
13C8 PFOS	110		40 - 130	02/23/24 10:11	02/26/24 19:23	1
13C8 FOSA	119		40 - 130	02/23/24 10:11	02/26/24 19:23	1
d3-NMeFOSAA	112		40 - 170	02/23/24 10:11	02/26/24 19:23	1
d5-NEtFOSAA	105		25 - 135	02/23/24 10:11	02/26/24 19:23	1
M2-4:2 FTS	127		40 - 200	02/23/24 10:11	02/26/24 19:23	1
M2-6:2 FTS	127		40 - 200	02/23/24 10:11	02/26/24 19:23	1
M2-8:2 FTS	121		40 - 300	02/23/24 10:11	02/26/24 19:23	1
13C3 HFPO-DA	110		40 - 130	02/23/24 10:11	02/26/24 19:23	1
d7-N-MeFOSE-M	93		10 - 130	02/23/24 10:11	02/26/24 19:23	1
d9-N-EtFOSE-M	99		10 - 130	02/23/24 10:11	02/26/24 19:23	1
d5-NEtPFOSA	80		10 - 130	02/23/24 10:11	02/26/24 19:23	1
d3-NMePFOSA	78		10 - 130	02/23/24 10:11	02/26/24 19:23	1

Lab Sample ID: LCS 280-643940/3-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	32.0	31.8		ng/L		99	70 - 140
Perfluoropentanoic acid (PFPeA)	32.0	32.6		ng/L		102	65 - 135
Perfluorohexanoic acid (PFHxA)	32.0	29.8		ng/L		93	70 - 145
Perfluoroheptanoic acid (PFHpA)	32.0	33.2		ng/L		104	70 - 150
Perfluorooctanoic acid (PFOA)	32.0	31.1		ng/L		97	70 - 150
Perfluorononanoic acid (PFNA)	32.0	32.1		ng/L		100	70 - 150
Perfluorodecanoic acid (PFDA)	32.0	35.3		ng/L		110	70 - 140
Perfluoroundecanoic acid (PFUnA)	32.0	32.2		ng/L		101	70 - 145
Perfluorododecanoic acid (PFDoA)	32.0	35.7		ng/L		112	70 - 140
Perfluorotridecanoic acid (PFTriA)	32.0	31.6		ng/L		99	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	32.0	33.7		ng/L		105	60 - 140
Perfluorobutanesulfonic acid (PFBS)	28.4	29.6		ng/L		104	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	30.0	28.4		ng/L		95	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	29.2	27.0		ng/L		93	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	30.5	32.2		ng/L		106	70 - 150

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-643940/3-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	29.8	26.4		ng/L		89	55 - 150
Perfluorononanesulfonic acid (PFNS)	30.8	33.3		ng/L		108	65 - 145
Perfluorodecanesulfonic acid (PFDS)	30.8	28.8		ng/L		93	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	31.0	24.0		ng/L		77	50 - 145
4:2 FTS	79.8	88.6		ng/L		111	70 - 145
6:2 FTS	121	118		ng/L		97	65 - 155
8:2 FTS	123	115		ng/L		94	60 - 150
Perfluorooctanesulfonamide (PFOSA)	32.0	29.8		ng/L		93	70 - 145
NMeFOSA	32.0	38.1		ng/L		119	60 - 150
NEtFOSA	32.0	35.1		ng/L		110	65 - 145
NMeFOSAA	32.0	33.0		ng/L		103	50 - 140
NEtFOSAA	32.0	33.8		ng/L		106	70 - 145
NMeFOSE	160	182		ng/L		114	70 - 145
NEtFOSE	320	366		ng/L		114	70 - 135
HFPO-DA (GenX)	32.0	32.6		ng/L		102	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	30.2	31.6		ng/L		104	65 - 145
PFMBA	64.0	62.9		ng/L		98	60 - 150
NFDHA	32.0	30.8		ng/L		96	50 - 150
PFMPA	64.0	65.6		ng/L		102	55 - 140
9Cl-PF3ONS	79.6	78.2		ng/L		98	70 - 155
11Cl-PF3OUdS	80.4	81.6		ng/L		101	55 - 160
PFEESA	57.1	64.8		ng/L		113	70 - 140
3:3 FTCA	160	161		ng/L		100	65 - 130
5:3 FTCA	320	366		ng/L		114	70 - 135
7:3 FTCA	320	347		ng/L		108	50 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*109*		*5 - 130*
13C5 PFPeA	*118*		*40 - 130*
13C5 PFHxA	*115*		*40 - 130*
13C4 PFHpA	*132*	*5+	*40 - 130*
13C8 PFOA	*108*		*40 - 130*
13C9 PFNA	*122*		*40 - 130*
13C6 PFDA	*111*		*40 - 130*
13C7 PFUnA	*119*		*30 - 130*
13C2 PFDoA	*100*		*10 - 130*
13C2 PFTeDA	*85*		*10 - 130*
13C3 PFBS	*104*		*40 - 135*
13C3 PFHxS	*114*		*40 - 130*
13C8 PFOS	*107*		*40 - 130*
13C8 FOSA	*125*		*40 - 130*
d3-NMeFOSAA	*123*		*40 - 170*
d5-NEtFOSAA	*116*		*25 - 135*
M2-4:2 FTS	*109*		*40 - 200*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-643940/3-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643940

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*120*		*40 - 200*
M2-8:2 FTS	*126*		*40 - 300*
13C3 HFPO-DA	*121*		*40 - 130*
d7-N-MeFOSE-M	*88*		*10 - 130*
d9-N-EtFOSE-M	*90*		*10 - 130*
d5-NEtPFOSA	*77*		*10 - 130*
d3-NMePFOSA	*73*		*10 - 130*

Lab Sample ID: LCSD 280-643940/4-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 643940

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			32.0	30.5		ng/L		95	70 - 140	4	30
Perfluoropentanoic acid (PFPeA)			32.0	30.8		ng/L		96	65 - 135	6	30
Perfluorohexanoic acid (PFHxA)			32.0	34.3		ng/L		107	70 - 145	14	30
Perfluoroheptanoic acid (PFHpA)			32.0	32.6		ng/L		102	70 - 150	2	30
Perfluorooctanoic acid (PFOA)			32.0	28.5		ng/L		89	70 - 150	9	30
Perfluorononanoic acid (PFNA)			32.0	31.0		ng/L		97	70 - 150	3	30
Perfluorodecanoic acid (PFDA)			32.0	30.6		ng/L		96	70 - 140	14	30
Perfluoroundecanoic acid (PFUnA)			32.0	33.5		ng/L		105	70 - 145	4	30
Perfluorododecanoic acid (PFDoA)			32.0	31.1		ng/L		97	70 - 140	14	30
Perfluorotridecanoic acid (PFTriA)			32.0	30.9		ng/L		97	65 - 140	2	30
Perfluorotetradecanoic acid (PFTeDA)			32.0	34.8		ng/L		109	60 - 140	3	30
Perfluorobutanesulfonic acid (PFBS)			28.4	30.2		ng/L		106	60 - 145	2	30
Perfluoropentanesulfonic acid (PFPeS)			30.0	33.4		ng/L		111	65 - 140	16	30
Perfluorohexanesulfonic acid (PFHxS)			29.2	29.8		ng/L		102	65 - 145	10	30
Perfluoroheptanesulfonic acid (PFHpS)			30.5	32.7		ng/L		107	70 - 150	2	30
Perfluorooctanesulfonic acid (PFOS)			29.8	27.2		ng/L		91	55 - 150	3	30
Perfluorononanesulfonic acid (PFNS)			30.8	31.3		ng/L		102	65 - 145	6	30
Perfluorodecanesulfonic acid (PFDS)			30.8	27.4		ng/L		89	60 - 145	5	30
Perfluorododecanesulfonic acid (PFDoS)			31.0	18.9		ng/L		61	50 - 145	24	30
4:2 FTS			79.8	86.8		ng/L		109	70 - 145	2	30
6:2 FTS			121	121		ng/L		100	65 - 155	3	30
8:2 FTS			123	129		ng/L		105	60 - 150	11	30
Perfluorooctanesulfonamide (PFOSA)			32.0	30.9		ng/L		97	70 - 145	4	30
NMeFOSA			32.0	38.1		ng/L		119	60 - 150	0	30
NEtFOSA			32.0	34.9		ng/L		109	65 - 145	1	30
NMeFOSAA			32.0	33.6		ng/L		105	50 - 140	2	30

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 280-643940/4-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 643940

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA			32.0	32.0		ng/L		100	70 - 145	6	30
NMeFOSE			160	176		ng/L		110	70 - 145	4	30
NEtFOSE			320	360		ng/L		112	70 - 135	2	30
HFPO-DA (GenX)			32.0	32.2		ng/L		101	70 - 140	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			30.2	30.9		ng/L		102	65 - 145	2	30
PFMBA			64.0	65.7		ng/L		103	60 - 150	4	30
NFDHA			32.0	36.7		ng/L		115	50 - 150	18	30
PFMPA			64.0	60.7		ng/L		95	55 - 140	8	30
9Cl-PF3ONS			79.6	76.3		ng/L		96	70 - 155	3	30
11Cl-PF3OUdS			80.4	74.1		ng/L		92	55 - 160	10	30
PFEESA			57.1	60.4		ng/L		106	70 - 140	7	30
3:3 FTCA			160	168		ng/L		105	65 - 130	4	30
5:3 FTCA			320	356		ng/L		111	70 - 135	3	30
7:3 FTCA			320	314		ng/L		98	50 - 145	10	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*106*		*5 - 130*
13C5 PFPeA	*102*		*40 - 130*
13C5 PFHxA	*102*		*40 - 130*
13C4 PFHpA	*102*		*40 - 130*
13C8 PFOA	*115*		*40 - 130*
13C9 PFNA	*110*		*40 - 130*
13C6 PFDA	*109*		*40 - 130*
13C7 PFUnA	*117*		*30 - 130*
13C2 PFDoA	*120*		*10 - 130*
13C2 PFTeDA	*75*		*10 - 130*
13C3 PFBS	*103*		*40 - 135*
13C3 PFHxS	*104*		*40 - 130*
13C8 PFOS	*102*		*40 - 130*
13C8 FOSA	*113*		*40 - 130*
d3-NMeFOSAA	*110*		*40 - 170*
d5-NEtFOSAA	*97*		*25 - 135*
M2-4:2 FTS	*112*		*40 - 200*
M2-6:2 FTS	*114*		*40 - 200*
M2-8:2 FTS	*106*		*40 - 300*
13C3 HFPO-DA	*98*		*40 - 130*
d7-N-MeFOSE-M	*96*		*10 - 130*
d9-N-EtFOSE-M	*93*		*10 - 130*
d5-NEtPFOSA	*76*		*10 - 130*
d3-NMePFOSA	*71*		*10 - 130*

Lab Sample ID: LLCS 280-643940/2-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643940

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			3.20	3.01		ng/L		94	70 - 140		
Perfluoropentanoic acid (PFPeA)			3.20	3.22	I	ng/L		101	65 - 135		

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-643940/2-A
Matrix: Water
Analysis Batch: 644108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643940

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	3.20	3.11		ng/L		97	70 - 145
Perfluoroheptanoic acid (PFHpA)	3.20	3.21		ng/L		100	70 - 150
Perfluorooctanoic acid (PFOA)	3.20	2.84		ng/L		89	70 - 150
Perfluorononanoic acid (PFNA)	3.20	3.33		ng/L		104	70 - 150
Perfluorodecanoic acid (PFDA)	3.20	3.02		ng/L		94	70 - 140
Perfluoroundecanoic acid (PFUnA)	3.20	3.46		ng/L		108	70 - 145
Perfluorododecanoic acid (PFDoA)	3.20	3.13		ng/L		98	70 - 140
Perfluorotridecanoic acid (PFTriA)	3.20	3.13		ng/L		98	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	3.20	3.57		ng/L		111	60 - 140
Perfluorobutanesulfonic acid (PFBS)	2.84	2.70		ng/L		95	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.00	2.45		ng/L		82	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	2.92	2.74		ng/L		94	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.05	4.25		ng/L		139	70 - 150
Perfluorooctanesulfonic acid (PFOS)	2.98	3.26		ng/L		110	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.08	2.81		ng/L		91	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.08	3.40		ng/L		110	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.10	2.31		ng/L		74	50 - 145
4:2 FTS	7.98	8.53		ng/L		107	70 - 145
6:2 FTS	12.1	12.2		ng/L		100	65 - 155
8:2 FTS	12.3	11.9		ng/L		97	60 - 150
Perfluorooctanesulfonamide (PFOSA)	3.20	3.58		ng/L		112	70 - 145
NMeFOSA	3.20	3.31		ng/L		103	60 - 150
NEtFOSA	3.20	3.43		ng/L		107	65 - 145
NMeFOSAA	3.20	3.30		ng/L		103	50 - 140
NEtFOSAA	3.20	3.36		ng/L		105	70 - 145
NMeFOSE	16.0	16.5		ng/L		103	70 - 145
NEtFOSE	32.0	33.5		ng/L		105	70 - 135
HFPO-DA (GenX)	3.20	3.12		ng/L		98	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.02	2.99		ng/L		99	65 - 145
PFMBA	6.40	7.21		ng/L		113	60 - 150
NFDHA	3.20	2.83		ng/L		88	50 - 150
PFMPA	6.40	5.91		ng/L		92	55 - 140
9Cl-PF3ONS	7.96	8.74		ng/L		110	70 - 155
11Cl-PF3OUdS	8.04	8.24		ng/L		102	55 - 160
PFEESA	5.71	5.79		ng/L		101	70 - 140
3:3 FTCA	16.0	16.6		ng/L		104	65 - 130
5:3 FTCA	32.0	31.0		ng/L		97	70 - 135
7:3 FTCA	32.0	25.2		ng/L		79	50 - 145

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	113		5 - 130
13C5 PFPeA	97		40 - 130
13C5 PFHxA	110		40 - 130
13C4 PFHpA	97		40 - 130
13C8 PFOA	115		40 - 130
13C9 PFNA	110		40 - 130
13C6 PFDA	117		40 - 130
13C7 PFUnA	115		30 - 130
13C2 PFDoA	103		10 - 130
13C2 PFTeDA	88		10 - 130
13C3 PFBS	111		40 - 135
13C3 PFHxS	119		40 - 130
13C8 PFOS	103		40 - 130
13C8 FOSA	102		40 - 130
d3-NMeFOSAA	128		40 - 170
d5-NEtFOSAA	114		25 - 135
M2-4:2 FTS	109		40 - 200
M2-6:2 FTS	118		40 - 200
M2-8:2 FTS	99		40 - 300
13C3 HFPO-DA	95		40 - 130
d7-N-MeFOSE-M	100		10 - 130
d9-N-EtFOSE-M	114		10 - 130
d5-NEtPFOSA	85		10 - 130
d3-NMePFOSA	86		10 - 130

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

LCMS

Prep Batch: 643940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217140-1	MW-03B	Total/NA	Water	1633	
480-217140-1 - DL	MW-03B	Total/NA	Water	1633	
MB 280-643940/1-A	Method Blank	Total/NA	Water	1633	
LCS 280-643940/3-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 280-643940/4-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 280-643940/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 644108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217140-1	MW-03B	Total/NA	Water	Draft 1633	643940
MB 280-643940/1-A	Method Blank	Total/NA	Water	Draft 1633	643940
LCS 280-643940/3-A	Lab Control Sample	Total/NA	Water	Draft 1633	643940
LCSD 280-643940/4-A	Lab Control Sample Dup	Total/NA	Water	Draft 1633	643940
LLCS 280-643940/2-A	Lab Control Sample	Total/NA	Water	Draft 1633	643940

Analysis Batch: 644376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217140-1 - DL	MW-03B	Total/NA	Water	Draft 1633	643940

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Client Sample ID: MW-03B

Date Collected: 02/15/24 13:00
Date Received: 02/15/24 15:30

Lab Sample ID: 480-217140-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			643940	EH	EET DEN	02/23/24 10:11
Total/NA	Analysis	Draft 1633		1	644108	SM	EET DEN	02/26/24 21:00
Total/NA	Prep	1633	DL		643940	EH	EET DEN	02/23/24 10:11
Total/NA	Analysis	Draft 1633	DL	10	644376	SM	EET DEN	02/28/24 15:58

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	59923	03-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Draft 1633	1633	Water	3:3 FTCA
Draft 1633	1633	Water	4:2 FTS
Draft 1633	1633	Water	5:3 FTCA
Draft 1633	1633	Water	7:3 FTCA
Draft 1633	1633	Water	NEtFOSA
Draft 1633	1633	Water	NEtFOSAA
Draft 1633	1633	Water	NEtFOSE
Draft 1633	1633	Water	NMeFOSA
Draft 1633	1633	Water	NMeFOSE
Draft 1633	1633	Water	Perfluorodecanesulfonic acid (PFDS)
Draft 1633	1633	Water	Perfluorododecanesulfonic acid (PFDoS)
Draft 1633	1633	Water	Perfluoroheptanoic acid (PFHpA)
Draft 1633	1633	Water	Perfluorononanesulfonic acid (PFNS)
Draft 1633	1633	Water	Perfluorooctanesulfonamide (PFOSA)
Draft 1633	1633	Water	PFEESA

Method Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Method	Method Description	Protocol	Laboratory
Draft 1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET DEN
1633	Solid-Phase Extraction (SPE)	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: LaBella Associates DPC
Project/Site: Steelfields

Job ID: 480-217140-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-217140-1	MW-03B	Water	02/15/24 13:00	02/15/24 15:30

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: CF/CR	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-192805-40354.1
Client Contact: Mr. Andrew Benkleman	Phone:	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	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):			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone: 716-768-3184(Tel)	PO #: 2222148			
Email: abenkleman@labellapc.corn	WO #:			
Project Name: Steelfields	Project #: 48025151			
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)	1633_B24 - 1633 B24 Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-03B	2/15/24	13:00	G	Water			X		

480-217140 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 2/15/24 1500	Company	Received by:	Date/Time: 2/15/24 1530	Company TA	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
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: 2.8 #1 ICE			

Ver: 06/08/2021

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

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-85244.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian Fischer@et eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York		Job #: 480-217140-1
Address: 4955 Yarrow Street,	Due Date Requested: 2/26/2024			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: Steelfields	Project #: 48025151			
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 - Client ID (Lab ID)	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)	1633_B24/1633_SPE 1633 B24 Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-03B (480-217140-1)	2/15/24	13:00 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification: Unconfirmed	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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	2/16/24 1600	TA	[signature]	2/17/23 940	EETDEN
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: ☐ Yes ☐ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks: 0.6 0.1 IR 24

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-217140-1

Login Number: 217140
List Number: 1
Creator: Stopa, Erik S

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	
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	LABELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-217140-1

Login Number: 217140
List Number: 2
Creator: Rystrom, Joshua R

List Source: Eurofins Denver
List Creation: 02/17/24 11:53 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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?	N/A	
There are no discrepancies between the containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX 3

Moving Average Trend Analysis of Tracked Parameters for Surface Water

Appendix 3
Summary of MATA Tracked Parameters for Surface Water
SW-1

Event Date	pH (standard units)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TOC (mg/L)	Moving Avg.	Total Iron (mg/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.	TDS (mg/L)	Moving Avg.
Apr-01	7.62	-	1.210	-	6.6	-	0.73	-	0.3	-	-	-
Oct-01	7.53	-	0.770	-	4.9	-	1.2	-	0.045	-	-	-
Apr-02	8.02	-	1.230	-	3.5	-	0.39	-	0.16	-	-	-
Apr-03	8.56	-	2.020	-	4.4	-	0.74	-	0.082	-	-	-
Apr-04	8.85	8.24	1.300	1.33	2.5	3.8	0.564	0.724	0.219	0.127	-	-
Jul-05	7.48	8.23	0.750	1.32	5.4	4	0.48	0.544	0.083	0.136	-	-
May-06	7.95	8.21	0.870	1.24	7.3	4.9	0.07	0.464	0.07	0.114	-	-
Aug-07	6.02	7.58	0.180	0.78	4.7	5	0.43	0.386	0.178	0.138	-	-
May-08	8.07	7.38	0.000	0.45	5.2	5.7	0.88	0.465	0.14	0.118	-	-
Aug-10	6.4	7.11	0.660	0.43	71.7	22.2	0.428	0.452	0.04	0.107	-	-
May-12	8	7.12	0.890	0.43	6.6	22.1	1.6	0.835	0.126	0.121	366	-
Sep-13	8.05	7.63	0.480	0.51	4.5	22	0.57	0.87	0.077	0.096	267	-
Jul-14	7.16	7.4	0.790	0.7	6.1	22.2	0.75	0.837	0.279	0.13	414	-
Aug-15	8.12	7.83	0.870	0.76	5.2	5.6	0.87	0.948	0.284	0.192	363	353
Aug-16	7.36	7.67	1.230	0.84	13.2	7.3	2.27	1.115	0.657	0.324	738	446
Aug-17	6.93	7.39	0.870	0.94	9.9	8.6	1.16	1.263	0.482	0.426	422	484
Dec-18	8.36	7.69	0.680	0.91	6	8.6	0.34	1.16	0.037	0.365	405	482
Dec-20	7.09	7.44	1.240	1.01	6.8	9.0	0.35	1.030	0.053	0.307	375	485
May-22	7.96	7.59	0.960	0.94	12.3	8.8	0.86	0.678	0.33	0.226	570	443
Aug-23	8.81	8.06	1.078	0.99	7.1	8.1	0.83	0.595	0.14	0.140	478	457
Dec-24	8.78	8.16	0.657	0.98	8.8	8.8	0.57	0.653	0.054	0.144	340	441

Notes:

(1) If the concentration was reported at less that the laboraory detection limit, the detection limit is presented in the table

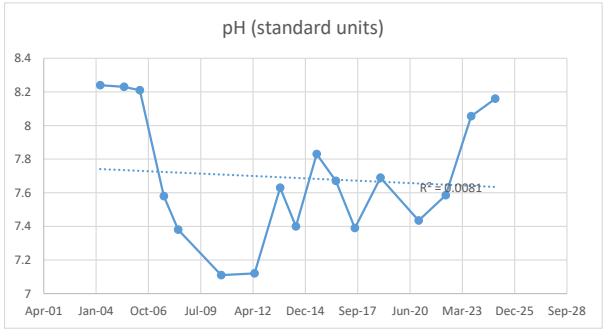
(2) TOC = Total Organic Carbon

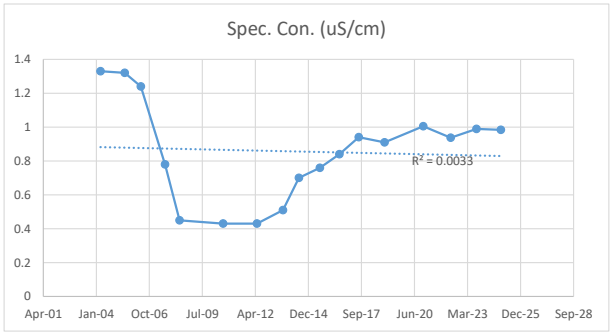
(3) TDS = Total Dissolved Solids

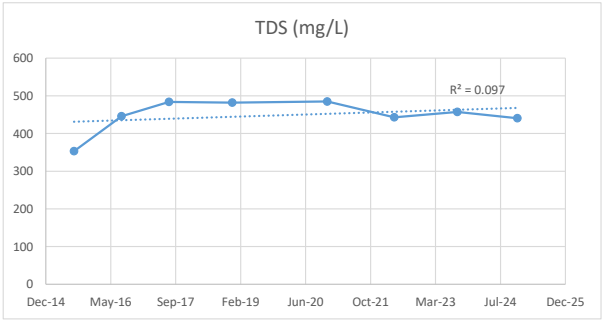
(4) TRP = Total Recoverable Phenolics

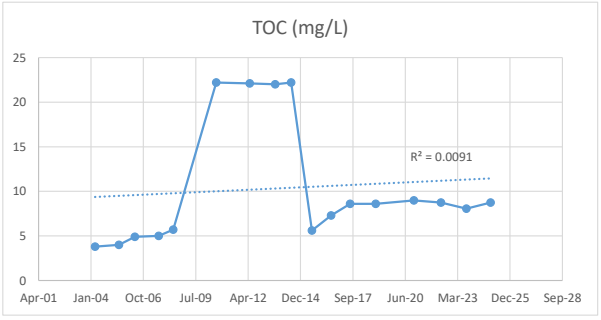
(5) "-" = MATA not previously conducted

(6) *Italicized values are method detection limits*



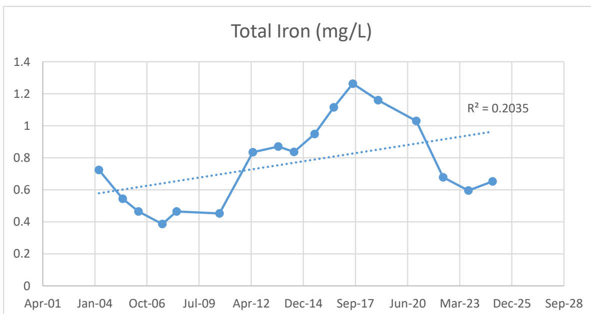


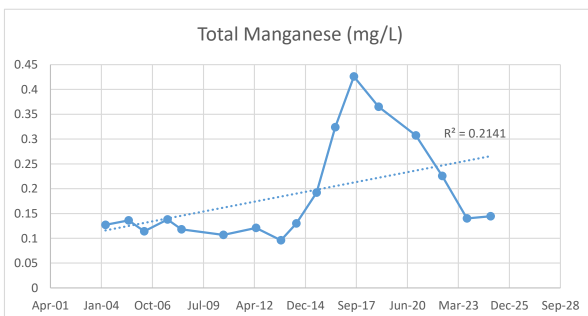


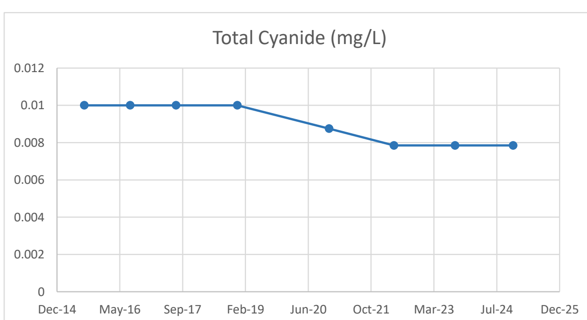


Appendix 3
Summary of MATA Tracked Parameters
SW-1

TRP (mg/L)	Moving Avg.	Total Arsenic (mg/L)	Moving Avg.	Total Chromium (mg/L)	Moving Avg.	Total Cyanide (mg/L)	Moving Avg.	Total Lead (mg/L)	Moving Avg.	Soluble Iron (mg/L)	Moving Avg.	Soluble Manganese (mg/L)	Moving Avg.
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.05	-	0.004	-	0.01	-	0.01	-	0.005	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	0.1	-	0.188	-
0.005	0.016	0.01	0.009	0.01	0.01	0.01	0.01	0.05	0.039	1.13	-	0.282	-
0.007	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.11	-	0.635	-
0.0056	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	0.36	0.464	0.392
0.005	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	0.36	0.03	0.353
0.005	0.006	0.01	0.010	0.01	0.010	0.005	0.009	0.050	0.05	0.12	0.11	0.049	0.295
0.01	0.006	0.015	0.011	0.004	0.009	0.0064	0.008	0.010	0.04	NA	-	NA	-
0.0061	0.007	*0.015*	0.013	*0.004*	0.007	*0.01*	0.008	*0.010*	0.03	NA	-	NA	-
0.01	0.008	*0.015*	0.014	*0.004*	0.006	*0.01*	0.008	*0.010*	0.02	NA	-	NA	-







Appendix 3
Summary of MATA Tracked Parameters for Surface Water
SW-2A

Event Date	(standard units)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TOC (mg/L)	Moving Avg.	Total Iron (mg/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.	TDS (mg/L)	Moving Avg.
Apr-01	8.58	-	1.290	-	6.4	-	0.78	-	0.36	-	-	-
Oct-01	8.02	-	0.780	-	5.1	-	0.92	-	0.096	-	-	-
Apr-02	8.45	-	1.120	-	4	-	0.95	-	0.18	-	-	-
Apr-03	8.26	-	1.850	-	4.3	-	4.2	-	0.21	-	-	-
Apr-04	8.85	8.4	1.280	1.260	4.2	4.4	1.54	1.903	0.265	0.188	-	-
Jul-05	8.08	8.41	0.790	1.260	4.7	4.3	1.1	1.948	0.18	0.209	-	-
May-06	8.3	8.37	0.890	1.200	6.9	5	0.8	1.91	0.051	0.177	-	-
Aug-07	8.17	8.35	0.230	0.800	4.9	5.2	0.794	1.059	0.136	0.158	-	-
May-08	8.62	8.29	0.000	0.480	5.2	5.4	1.1	0.949	0.16	0.132	-	-
Aug-10	6.12	7.8	0.000	0.280	9.5	6.6	0.999	0.923	0.159	0.127	-	-
May-12	8.2	7.78	0.930	0.290	4.8	6.1	0.569	0.866	0.095	0.137	365	-
Sep-13	8.35	7.82	0.430	0.340	5.4	6.2	0.55	0.805	0.045	0.115	293	-
Jul-14	7.5	7.54	0.770	0.530	5.8	6.4	0.48	0.65	0.141	0.11	409	-
Aug-15	8.69	8.19	0.910	0.760	6.9	5.7	0.27	0.467	0.01	0.073	375	361
Aug-16	7.48	8.01	1.380	0.870	12.5	7.7	0.87	0.543	0.08	0.069	626	426
Aug-17	6.81	7.62	1.450	1.130	9.8	8.8	1.91	0.883	0.669	0.225	426	459
Dec-18	9.02	8.00	0.640	1.100	6.9	9	0.63	0.92	0.104	0.216	425	463
Dec-20	8.72	8.0	1.180	1.163	6.4	8.9	0.4	0.95	0.079	0.233	401	470
May-22	9.19	8.4	0.843	1.028	5.1	7.1	0.78	0.93	0.032	0.221	558	453
Aug-23	7.51	8.6	1.032	0.924	11.6	7.5	1.3	0.78	0.17	0.096	472	464
Dec-24	9.42	8.7	0.718	0.943	6.4	7.4	0.39	0.72	0.02	0.075	384	454

Notes:

(1) If the concentration was reported at less that the laboraory detection limit, the detection limit is presented in the table

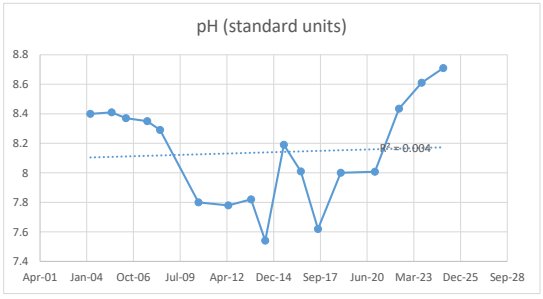
(2) TOC = Total Organic Carbon

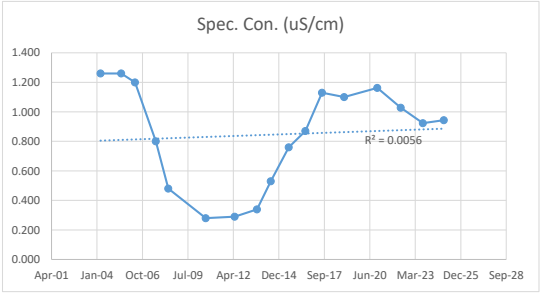
(3) TDS = Total Dissolved Solids

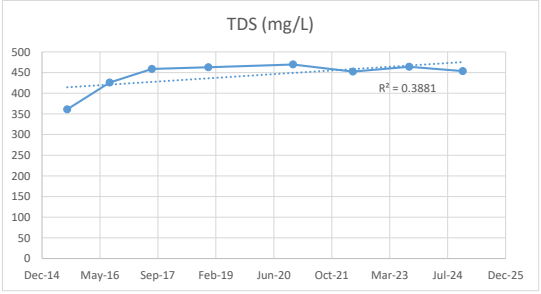
(4) TRP = Total Recoverable Phenolics

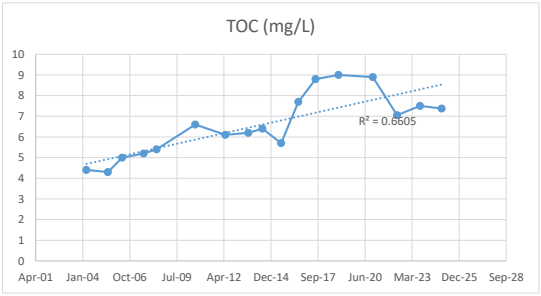
(5) "-" = MATA not previously conducted

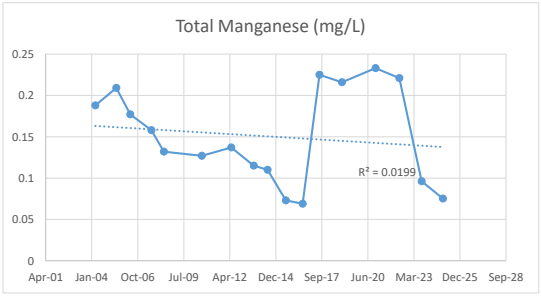
(6) *Italicized values are method detection limits*

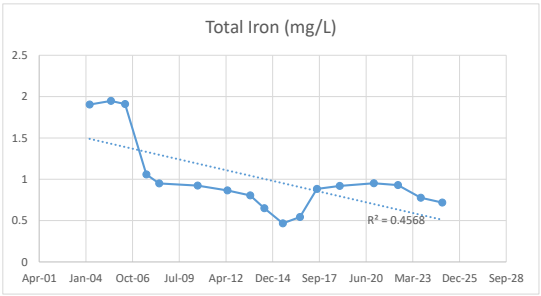












Appendix 3
Summary of MATA Tracked Parameters for Surface Water
SW-2A

TRP (mg/L)	Moving Avg.	Total Arsenic (mg/L)	Moving Avg.	Total Chromium (mg/L)	Moving Avg.	Total Cyanide (mg/L)	Moving Avg.	Total Lead (mg/L)	Moving Avg.	Soluble Iron (mg/L)	Moving Avg.	Soluble Manganese (mg/L)	Moving Avg.
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.05	-	0.004	-	0.01	-	0.01	-	0.005	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	0.1	-	0.079	-
0.005	0.016	0.01	0.009	0.01	0.01	0.01	0.01	0.05	0.039	0.37	-	0.011	-
0.0061	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	-	0.047	-
0.0062	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	0.168	0.534	0.168
0.005	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.19	0.19	0.091	0.171
0.005	0.006	0.01	0.010	0.01	0.01	0.005	0.009	0.05	0.05	0.14	0.133	0.073	0.186
0.01	0.007	0.015	0.011	0.0014	0.01	0.0064	0.008	0.78	0.23	NA	-	NA	-
0.0065	0.007	*0.01*	0.011	*0.004*	0.01	*0.01*	0.008	*0.01*	0.22	NA	-	NA	-
0.01	0.008	*0.01*	0.011	*0.004*	0.00	0.047	0.017	*0.01*	0.21	NA	-	NA	-

Appendix 3
Summary of MATA Tracked Parameters for Surface Water
SW-3A

Event Date	pH (standard units)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TOC (mg/L)	Moving Avg.	Total Iron (mg/L)	Moving Avg.	Manganese (mg/L)	Moving Avg.	TDS (mg/L)	Moving Avg.
Apr-01	8.75	-	1.16	-	8.5	-	1.8	-	0.35	-	-	-
Oct-01	7.97	-	0.8	-	5.9	-	2.3	-	0.2	-	-	-
Apr-02	8.54	-	1.11	-	4	-	1.4	-	0.18	-	-	-
Apr-03	8.18	-	1.61	-	5.2	-	3.4	-	0.28	-	-	-
Apr-04	9.04	8.43	1.24	1.190	4.4	4.9	1.73	2.208	0.263	0.231	-	-
Jul-05	7.55	8.33	0.89	1.210	3.6	4.3	1.5	2.008	0.22	0.236	-	-
May-06	8.47	8.31	0.87	1.150	7.1	5.1	1.5	2.033	0.091	0.214	-	-
Aug-07	8.33	8.35	0.17	0.790	5.8	5.2	0.805	1.384	0.142	0.179	-	-
May-08	8.51	8.22	1.46	0.850	6	5.6	1.5	1.326	0.27	0.181	-	-
Aug-10	8.44	8.44	0	0.630	6.1	6.3	0.8	1.151	0.112	0.154	-	-
May-12	8.55	8.46	0.81	0.610	5.5	5.9	0.897	1.001	0.076	0.15	396	-
Sep-13	8.29	8.45	0.45	0.680	5.6	5.8	0.62	0.954	0.08	0.135	324	-
Jul-14	7.5	8.2	0.77	0.510	6.3	5.9	0.38	0.674	0.116	0.096	427	-
Aug-15	8.35	8.17	1.02	0.760	5.8	5.8	0.97	0.717	0.137	0.102	471	405
Aug-16	8.28	8.11	1.21	0.860	10.6	7.1	0.77	0.685	0.159	0.123	654	469
Aug-17	7.94	8.02	0.94	0.990	7.4	7.5	1.18	0.825	0.268	0.17	480	508
Dec-18	8.08	8.16	0.51	0.920	7.4	7.8	0.18	0.775	0.033	0.149	355	490
Dec-20	7.85	8.04	2.37	1.258	7.0	8.1	0.44	0.643	0.058	0.130	414	476
May-22	8.36	8.06	0.739	1.140	5.1	6.7	0.86	0.665	0.17	0.132	498	437
Aug-23	7.85	8.04	1.026	1.161	6.9	6.6	0.66	0.535	0.31	0.143	442	427
Dec-24	9.56	8.41	0.744	1.220	5.6	6.2	0.38	0.585	0.02	0.140	369	431

Notes:

(1) If the concentration was reported at less that the laboraory detection limit, the detection limit is presented in the table

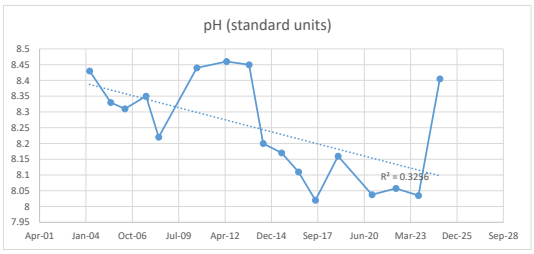
(2) TOC = Total Organic Carbon

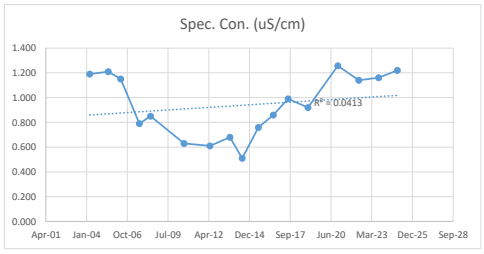
(3) TDS = Total Dissolved Solids

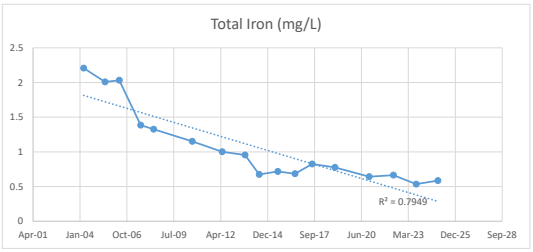
(4) TRP = Total Recoverable Phenolics

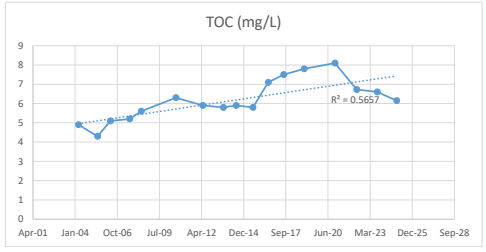
(5) "-" = MATA not previously conducted

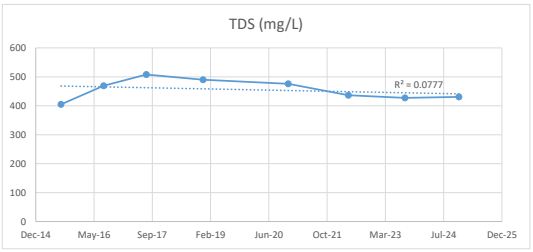
(6) *Italicized values are method detection limits*

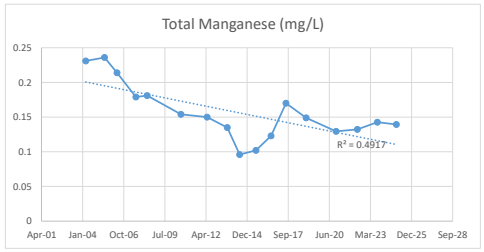












Appendix 3
Summary of MATA Tracked Parameters for Surface Water
SW-3A

TRP (mg/L)	Moving Avg.	Total Arsenic (mg/L)	Moving Avg.	Chromium (mg/L)	Moving Avg.	Total Cyanide (mg/L)	Moving Avg.	Total Lead (mg/L)	Moving Avg.	Soluble Iron (mg/L)	Moving Avg.	Manganese (mg/L)	Moving Avg.	Acetone (ug/L)	Moving Avg.
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.05	-	0.004	-	0.01	-	0.01	-	0.005	-	-	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	-	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	0.19	-	0.081	-	-	-
0.005	0.016	0.01	0.009	0.01	0.01	0.01	0.01	0.05	0.039	0.85	-	0.106	-	-	-
0.005	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	-	0.031	-	-	-
0.005	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	0.31	0.067	0.071	-	-
0.005	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	0.288	0.031	0.059	-	-
0.005	0.005	0.01	0.010	0.01	0.010	0.0068	0.009	0.05	0.05	0.11	0.103	0.053	0.046	-	-
0.01	0.006	0.015	0.011	0.004	0.009	0.008	0.009	0.01	0.04	NA	-	NA	-	-	-
0.0046	0.006	*0.01*	0.011	*0.004*	0.007	0.0057	0.008	*0.01*	0.03	NA	-	NA	-	3.7	-
0.01	0.007	*0.01*	0.011	*0.004*	0.006	0.0047	0.006	*0.01*	0.02	NA	-	NA	-	-	-

Appendix 3
Summary of MATA Tracked Parameters for Surface Water
SW-5

Event Date	pH (standard units)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TOC (mg/L)	Moving Avg.	Total Iron (mg/L)	Moving Avg.	Manganese (mg/L)	Moving Avg.	TDS (mg/L)	Moving Avg.
Apr-01	8.75	-	1.1	-	8.4	-	0.56	-	0.086	-	-	-
Oct-01	8.75	-	1.18	-	10.8	-	0.37	-	0.1	-	-	-
Apr-02	8.36	-	0.97	-	5.2	-	0.89	-	0.05	-	-	-
Apr-03	8.38	-	1.33	-	5.2	-	8.5	-	0.016	-	-	-
Apr-04	9.3	8.7	1.22	1.180	4.8	6.5	0.689	2.612	0.036	0.05	-	-
Jul-05	6.53	8.14	1.32	1.210	6.2	5.4	2.4	3.12	0.097	0.05	-	-
May-06	8.19	8.1	1.43	1.330	8.3	6.1	1.9	3.372	0.093	0.06	-	-
Aug-07	8.34	8.09	0.15	1.030	9.2	7.1	0.651	1.41	0.166	0.098	-	-
May-08	8.48	7.89	1.66	1.140	5.8	7.4	1.6	1.638	0.097	0.113	-	-
Aug-10	8.24	8.31	0	0.810	6.3	7.4	0.737	1.222	0.103	0.115	-	-
May-12	8.59	8.41	1.43	0.810	5.8	6.8	2.73	1.43	0.104	0.118	646	-
Sep-13	8.62	8.48	1.29	1.100	6	6	0.84	1.477	0.057	0.09	873	-
Jul-14	8.3	8.44	1.58	1.080	5.7	6	0.66	1.242	0.054	0.08	40	-
Aug-15	8.43	8.49	1.86	1.540	6.3	6	1.02	1.313	0.068	0.071	826	596
Aug-16	9.11	8.62	1.79	1.630	12.4	7.6	1.48	1	0.079	0.065	1010	687
Aug-17	8.81	8.66	1.64	1.720	6.4	7.7	1.31	1.118	0.099	0.075	752	657
Dec-18	8.64	8.75	1.02	1.580	5.9	7.8	0.2	1.003	0.012	0.065	699	822
Dec-20	7.15	8.43	2.37	1.705	5	7.4	0.67	0.915	0.031	0.055	562	756
May-22	8.28	8.22	0.843	1.468	2.8	5.0	0.78	0.74	0.043	0.046	532	636
Sep-23	9.00	8.27	0.875	1.277	6.8	5.1	1.1	0.6875	0.055	0.035	450	561
Dec-24	9.06	8.37	0.947	1.259	4.5	4.8	0.89	0.86	0.023	0.038	450	499

Notes:

(1) If the concentration was reported at less that the laboraory detection limit, the detection limit is presented in the table

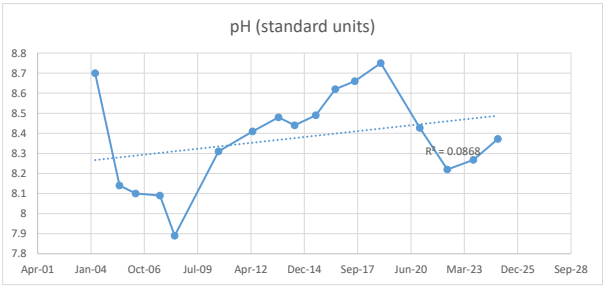
(2) TOC = Total Organic Carbon

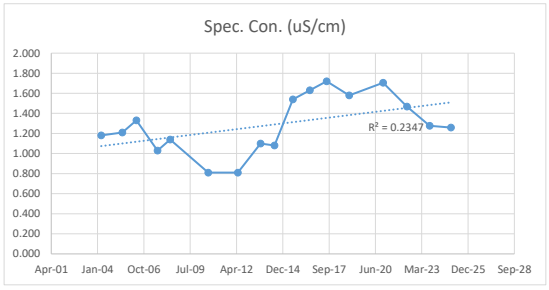
(3) TDS = Total Dissolved Solids

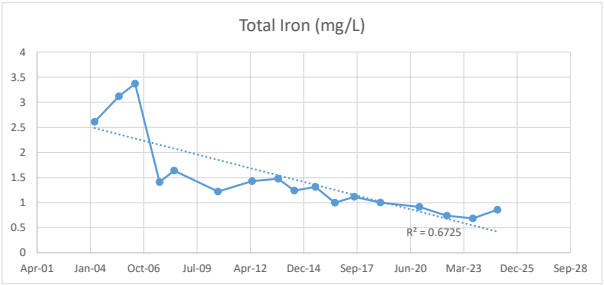
(4) TRP = Total Recoverable Phenolics

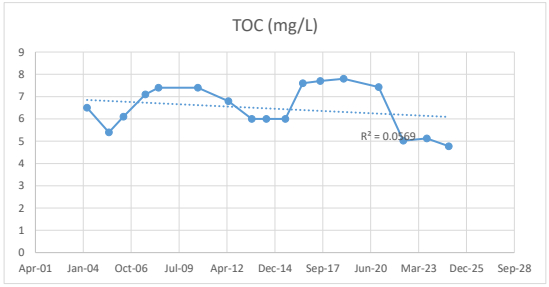
(5) "-" = MATA not previously conducted

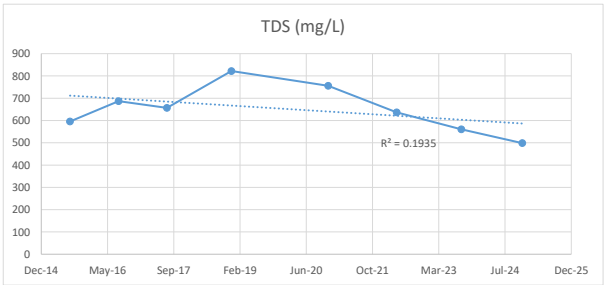
(6) *Italicized values are method detection limits*

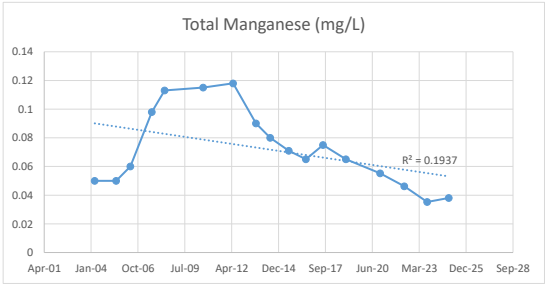












Appendix 3
Summary of MATA Tracked Parameters for Surface Water
SW-5

TRP (mg/L)	Moving Avg.	Total Arsenic (mg/L)	Moving Avg.	Chromium (mg/L)	Moving Avg.	Total Cyanide (mg/L)	Moving Avg.	Total Lead (mg/L)	Moving Avg.	Soluble Iron (mg/L)	Moving Avg.	Manganese (mg/L)	Moving Avg.
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.05	-	0.004	-	0.01	-	0.01	-	0.005	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	-	-	-	-
0.005	-	0.01	-	0.01	-	0.01	-	0.05	-	0.1	-	0.01	-
0.005	0.016	0.01	0.009	0.01	0.01	0.01	0.01	0.05	0.039	0.79	-	0.058	-
0.006	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	-	0.01	-
0.0056	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	0.273	0.01	0.022
0.005	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.1	0.273	0.01	0.022
0.005	0.0054	0.01	0.01	0.01	0.01	0.005	0.009	0.05	0.05	0.1	0.100	0.01	0.010
0.01	0.0064	0.015	0.011	0.0012	0.008	0.01	0.009	0.01	0.04	NA	-	NA	-
0.0041	0.006025	*0.01*	0.011	0.0011	0.006	*0.01*	0.009	*0.01*	0.03	NA	-	NA	-
0.01	0.007275	*0.01*	0.011	*0.004*	0.004	*0.01*	0.009	*0.01*	0.02	NA	-	NA	-

APPENDIX 4

Historical Data for Shallow Overburden Background Well MW-6B

Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

pH (standard units)

Event No.	Event Date	pH	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs	MA - 3 SDs
1	Mar-96	7.22	-	-	-	-	-
2	Jun-96	7.24	-	-	-	-	-
3	Oct-96	7.32	-	-	-	-	-
4	Dec-96	6.88	-	-	-	-	-
5	Mar-97	7.14	-	-	-	-	-
6	Jun-97	7.19	-	-	-	-	-
7	Sep-97	7.00	-	-	-	-	-
8	Dec-97	7.03	7.13	0.146	0.438	7.566	6.689
9	Apr-03	7.68	7.19	0.229	0.688	7.877	6.501
10	Apr-04	7.89	7.26	0.310	0.929	8.188	6.330
11	Jul-05	7.99	7.33	0.367	1.102	8.427	6.224
12	May-06	7.54	7.34	0.356	1.067	8.410	6.276
13	Aug-07	7.06	7.32	0.349	1.048	8.370	6.273
14	May-08	7.57	7.34	0.342	1.027	8.366	6.313
15	Aug-10	7.34	7.34	0.330	0.989	8.329	6.350
16	May-12	7.4	7.34	0.319	0.957	8.300	6.386
17	Sep-13	7.19	7.33	0.311	0.933	8.267	6.401
18	Jul-14	7.17	7.33	0.304	0.913	8.238	6.412
19	Aug-15	7.13	7.31	0.299	0.897	8.212	6.418
20	Aug-16	7.29	7.31	0.291	0.873	8.187	6.440
21	Aug-17	3.41	7.13	0.898	2.693	9.821	4.434
22	Dec-18	7.07	7.13	0.876	2.629	9.754	4.496
23	Dec-20	7.62	7.15	0.862	2.587	9.733	4.560
24	May-22	7.25	7.15	0.844	2.531	9.682	4.620
25	Aug-23	7.35	7.16	0.827	2.480	9.639	4.678
26	Dec-24	7	7.15	0.811	2.432	9.585	4.721

Notes:

(1) "-" = MATA not previously conducted

Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

Specific Conductance (uS/cm)

Event No.	Event Date	Specific Conductance	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	1.057	-	-	-	-
2	Jun-96	1.106	-	-	-	-
3	Oct-96	1.118	-	-	-	-
4	Dec-96	1.131	-	-	-	-
5	Mar-97	1.102	-	-	-	-
6	Jun-97	1.205	-	-	-	-
7	Sep-97	1.234	-	-	-	-
8	Dec-97	1.275	1.154	0.075	0.226	1.380
9	Apr-03	1.152	1.153	0.071	0.212	1.365
10	Apr-04	1.149	1.153	0.067	0.200	1.353
11	Jul-05	1.158	1.153	0.063	0.190	1.343
12	May-06	1.202	1.157	0.062	0.186	1.343
13	Aug-07	0.13	1.078	0.291	0.873	1.952
14	May-08	0.00	1.001	0.402	1.205	2.206
15	Aug-10	1.326	1.023	0.396	1.188	2.211
16	May-12	1.31	1.041	0.389	1.168	2.208
17	Sep-13	1.06	1.042	0.377	1.131	2.173
18	Jul-14	1.42	1.063	0.376	1.129	2.192
19	Aug-15	1.67	1.095	0.391	1.174	2.269
20	Aug-16	1.33	1.107	0.384	1.153	2.260
21	Aug-17	1.6	1.130	0.390	1.170	2.300
22	Dec-18	0.96	1.123	0.382	1.147	2.269
23	Dec-20	1.99	1.160	0.415	1.245	2.405
24	May-22	1.327	1.167	0.407	1.222	2.389
25	Aug-23	1.655	1.187	0.410	1.231	2.418
26	Dec-24	1.708	1.207	0.415	1.245	2.452

Notes:

(1) "-" = MATA not previously conducted

Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

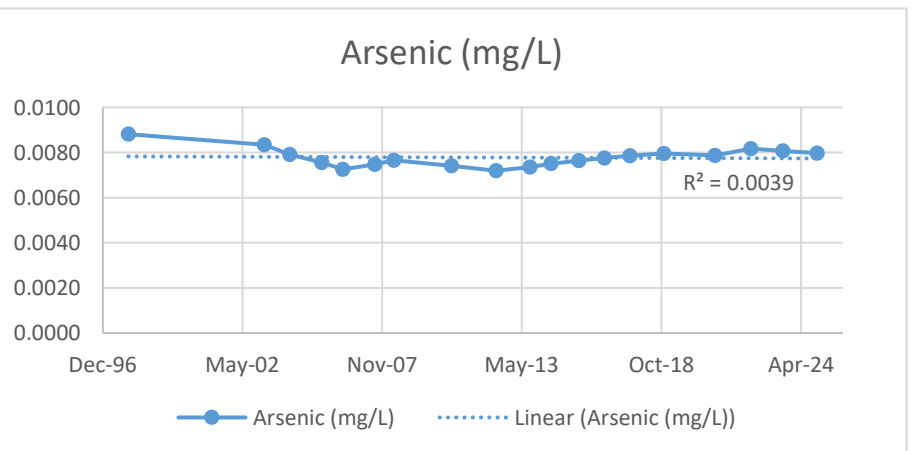
Arsenic (mg/L)

Event No.	Event Date	Arsenic	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.005	*	-	-	-	-
2	Jun-96	0.007		-	-	-	-
3	Oct-96	0.005	*	-	-	-	-
4	Dec-96	0.005	*	-	-	-	-
5	Mar-97	0.012		-	-	-	-
6	Jun-97	0.01	*	-	-	-	-
7	Sep-97	0.01	*	-	-	-	-
8	Dec-97	0.0165		0.0088	0.0041	0.012	0.021
9	Apr-03	0.0046	*	0.0083	0.0041	0.012	0.021
10	Apr-04	0.004	*	0.0079	0.0041	0.012	0.020
11	Jul-05	0.004	*	0.0076	0.0041	0.012	0.020
12	May-06	0.004	*	0.0073	0.0040	0.012	0.019
13	Aug-07	0.01	*	0.0075	0.0039	0.012	0.019
14	May-08	0.01	*	0.0077	0.0038	0.011	0.019
15	Aug-10	0.004	*	0.0074	0.0038	0.011	0.019
16	May-12	0.004	*	0.0072	0.0038	0.011	0.019
17	Sep-13	0.01	*	0.0074	0.0037	0.011	0.019
18	Jul-14	0.01	*	0.0075	0.0037	0.011	0.018
19	Aug-15	0.01	*	0.0076	0.0036	0.011	0.018
20	Aug-16	0.01	*	0.0078	0.0035	0.011	0.018
21	Aug-17	0.01	*	0.0079	0.0035	0.010	0.018
22	Dec-18	0.01	*	0.0080	0.0034	0.010	0.018
23	Dec-20	0.006	*	0.0079	0.0034	0.010	0.018
24	May-22	0.015	*	0.0082	0.0036	0.011	0.0190
25	Aug-23	0.0056	*	0.0081	0.0036	0.011	0.0188
26	Dec-24	0.0056	*	0.0080	0.0035	0.011	0.0186

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

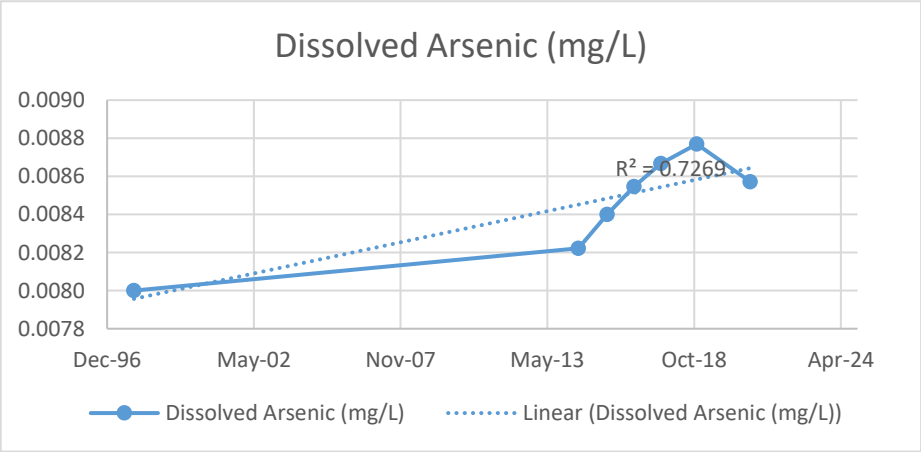
Dissolved Arsenic (mg/L)

Event No.	Event Date	Arsenic	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.005	*	-	-	-	-
2	Jun-96	0.005	*	-	-	-	-
3	Oct-96	0.005	*	-	-	-	-
4	Dec-96	0.005	*	-	-	-	-
5	Mar-97	0.0101		-	-	-	-
6	Jun-97	0.01	*	-	-	-	-
7	Sep-97	0.01	*	-	-	-	-
8	Dec-97	0.0139		0.0080	0.006	0.018	0.026
9	Apr-03	NA		NA	NA	NA	NA
10	Apr-04	NA		NA	NA	NA	NA
11	Jul-05	NA		NA	NA	NA	NA
12	May-06	NA		NA	NA	NA	NA
13	Aug-07	NA		NA	NA	NA	NA
14	May-08	NA		NA	NA	NA	NA
15	Aug-10	NA		NA	NA	NA	NA
16	May-12	NA		NA	NA	NA	NA
17	Sep-13	NA		NA	NA	NA	NA
18	Jul-14	0.01	*	0.0082	NA	NA	NA
19	Aug-15	0.01	*	0.0084	0.0002	6E-04	0.009
20	Aug-16	0.01	*	0.0085	0.0002	7E-04	0.009
21	Aug-17	0.01	*	0.0087	0.0003	8E-04	0.009
22	Dec-18	0.01	*	0.0088	0.0003	9E-04	0.010
23	Dec-20	0.006	*	0.0086	0.0003	8E-04	0.009
24	May-22	NA		NA	NA	NA	NA
25	Aug-23	NA	*	NA	NA	NA	NA
26	Dec-24	NA	*	NA	NA	NA	NA

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

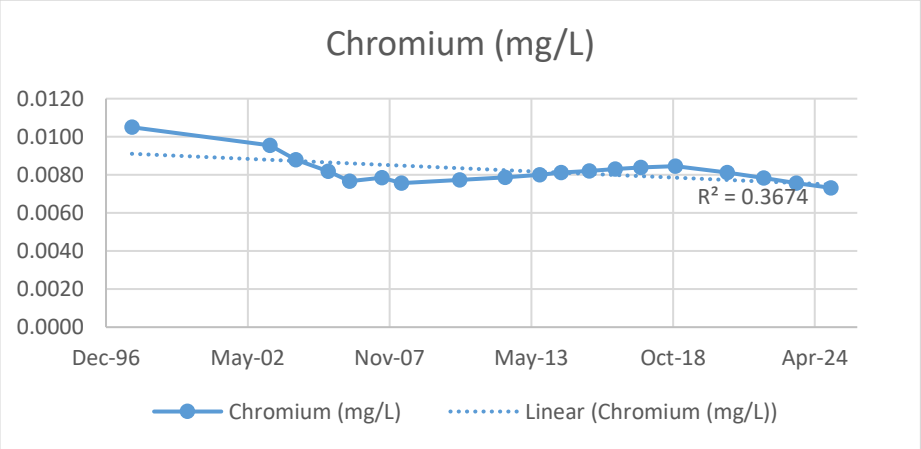
Chromium (mg/L)

Event No.	Event Date	Chromium	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.011	*	-	-	-	-
2	Jun-96	0.011	*	-	-	-	-
3	Oct-96	0.011	*	-	-	-	-
4	Dec-96	0.011	*	-	-	-	-
5	Mar-97	0.01	*	-	-	-	-
6	Jun-97	0.01	*	-	-	-	-
7	Sep-97	0.01	*	-	-	-	-
8	Dec-97	0.01	*	0.0105	0.0005	0.002	0.012
9	Apr-03	0.002	*	0.0096	0.0029	0.009	0.011
10	Apr-04	0.002	*	0.0088	0.0036	0.011	0.013
11	Jul-05	0.002	*	0.0082	0.0040	0.012	0.014
12	May-06	0.002	*	0.0077	0.0042	0.013	0.015
13	Aug-07	0.01	*	0.0078	0.0041	0.012	0.022
14	May-08	0.004	*	0.0076	0.0041	0.012	0.016
15	Aug-10	0.01	*	0.0077	0.0040	0.012	0.022
16	May-12	0.01	*	0.0079	0.0039	0.012	0.022
17	Sep-13	0.01	*	0.0080	0.0038	0.011	0.021
18	Jul-14	0.01	*	0.0081	0.0037	0.011	0.021
19	Aug-15	0.01	*	0.0082	0.0036	0.011	0.021
20	Aug-16	0.01	*	0.0083	0.0035	0.011	0.021
21	Aug-17	0.01	*	0.0084	0.0035	0.01	0.020
22	Dec-18	0.01	*	0.0085	0.0034	0.01	0.020
23	Dec-20	0.0006	*	0.0081	0.0037	0.011	0.012
24	May-22	0.0016		0.0078	0.0039	0.012	0.013
25	Aug-23	0.001	*	0.0076	0.0040	0.012	0.013
26	Dec-24	0.001	*	0.0073	0.0041	0.012	0.013

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

Dissolved Chromium (mg/L)

Event No.	Event Date	Chromium	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.011	*	-	-	-	-
2	Jun-96	0.011	*	-	-	-	-
3	Oct-96	0.011	*	-	-	-	-
4	Dec-96	0.011	*	-	-	-	-
5	Mar-97	0.01	*	-	-	-	-
6	Jun-97	0.01	*	-	-	-	-
7	Sep-97	0.01	*	-	-	-	-
8	Dec-97	0.01	*	0.011	0.001	0.001	0.011
9	Apr-22	NA		NA	NA	NA	NA
10	Apr-22	NA		NA	NA	NA	NA
11	Jul-22	NA		NA	NA	NA	NA
12	May-22	NA		NA	NA	NA	NA
13	Aug-22	NA		NA	NA	NA	NA
14	May-22	NA		NA	NA	NA	NA
15	Aug-22	NA		NA	NA	NA	NA
16	May-22	NA		NA	NA	NA	NA
17	Sep-22	NA		NA	NA	NA	NA
18	Jul-22	0.01	*	0.010	0.001	0.002	0.012
19	Aug-22	0.01	*	0.010	0.001	0.002	0.012
20	Aug-22	0.01	*	0.010	0.001	0.002	0.012
21	Aug-22	0.01	*	0.010	0.000	0.001	0.012
22	Dec-22	0.01	*	0.010	0.000	0.001	0.012
23	Dec-20	0.0006	*	0.0077	0.003	0.008	0.016
24	May-22	NA		NA	NA	NA	NA
25	Aug-23	NA		NA	NA	NA	NA
26	Dec-24	NA		NA	NA	NA	NA

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit

Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

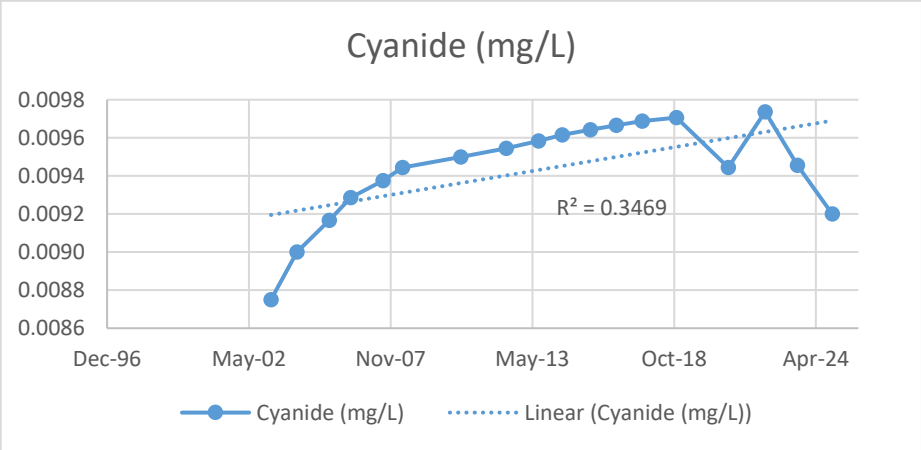
Cyanide (mg/L)

Event No.	Event Date	Cyanide	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Apr-01	0.01	*	-	-	-	-
2	Oct-01	0.005		-	-	-	-
3	Apr-02	0.01	*	-	-	-	-
4	Apr-03	0.01	*	0.00875	0.003	0.008	0.016
5	Apr-04	0.01	*	0.00900	0.002	0.007	0.016
6	Jul-05	0.01	*	0.00917	0.002	0.006	0.015
7	May-06	0.01	*	0.00929	0.002	0.006	0.015
8	Aug-07	0.01	*	0.00938	0.002	0.005	0.015
9	May-08	0.01	*	0.00944	0.002	0.005	0.014
10	Aug-10	0.01	*	0.00950	0.002	0.005	0.014
11	May-12	0.01	*	0.00955	0.002	0.005	0.014
12	Aug-13	0.01	*	0.00958	0.001	0.004	0.014
13	Jul-14	0.01	*	0.00962	0.001	0.004	0.014
14	Aug-15	0.01	*	0.00964	0.001	0.004	0.014
15	Aug-16	0.01	*	0.00967	0.001	0.004	0.014
16	Aug-17	0.01	*	0.00969	0.001	0.004	0.013
17	Dec-18	0.01	*	0.00971	0.001	0.004	0.013
18	Dec-20	0.005	*	0.00944	0.002	0.005	0.014
19	May-22	0.015	*	0.00974	0.002	0.006	0.016
20	Aug-23	0.0041	*	0.00946	0.002	0.007	0.016
21	Dec-24	0.0041	*	0.00920	0.003	0.008	0.017

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

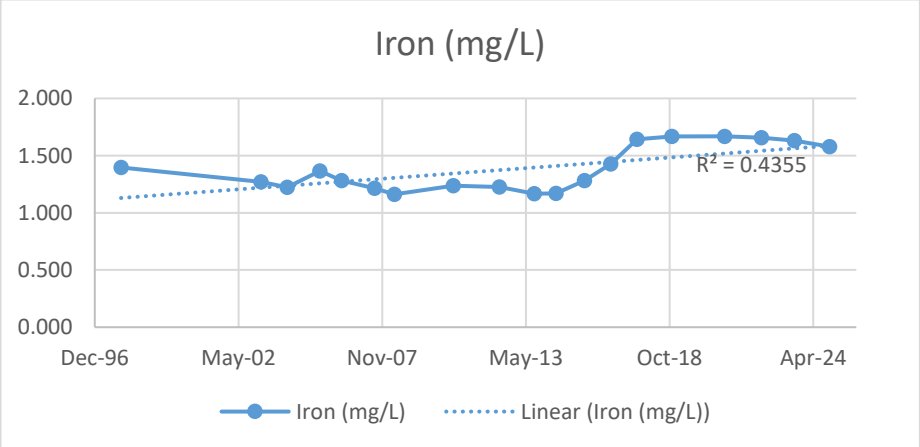
Iron (mg/L)

Event No.	Event Date	Iron	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	1.3	-	-	-	-
2	Jun-96	3.96	-	-	-	-
3	Oct-96	0.693	-	-	-	-
4	Dec-96	1.76	-	-	-	-
5	Mar-97	0.205	-	-	-	-
6	Jun-97	2.13	-	-	-	-
7	Sep-97	0.412	-	-	-	-
8	Dec-97	0.719	1.397	1.230	3.691	4.921
9	Apr-03	0.25	1.270	1.213	3.638	4.851
10	Apr-04	0.798	1.223	1.153	3.459	4.612
11	Jul-05	2.8	1.366	1.193	3.578	4.771
12	May-06	0.36	1.282	1.174	3.521	4.695
13	Aug-07	0.383	1.213	1.151	3.453	4.604
14	May-08	0.49	1.161	1.123	3.368	4.491
15	Aug-10	2.28	1.236	1.120	3.359	4.479
16	May-12	1.09	1.227	1.082	3.247	4.330
17	Sep-13	0.22	1.168	1.076	3.228	4.304
18	Jul-14	1.19	1.169	1.044	3.132	4.176
19	Aug-15	3.3	1.281	1.126	3.379	4.505
20	Aug-16	4.2	1.427	1.276	3.827	5.103
21	Aug-17	5.95	1.642	1.588	4.763	6.350
22	Dec-18	2.18	1.667	1.554	4.661	6.214
23	Dec-20	1.71	1.669	1.518	4.554	6.071
24	May-22	1.4	1.658	1.486	4.457	5.942
25	Aug-23	1	1.631	1.460	4.381	5.841
26	Dec-24	0.23	1.577	1.457	4.370	5.827

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

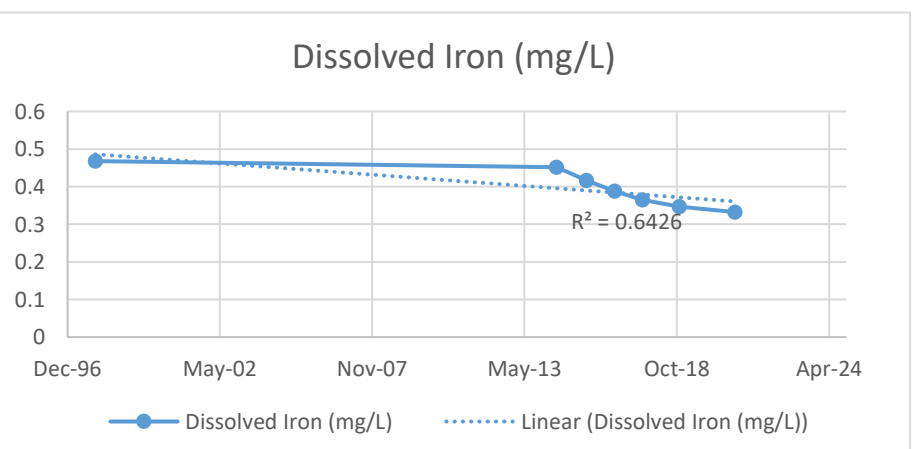
Dissolved Iron (mg/L)

Event No.	Event Date	Iron	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.07		-	-	-	-
2	Jun-96	0.063	*	-	-	-	-
3	Oct-96	0.31		-	-	-	-
4	Dec-96	2.89		-	-	-	-
5	Mar-97	0.111		-	-	-	-
6	Jun-97	0.1	*	-	-	-	-
7	Sep-97	0.1	*	-	-	-	-
8	Dec-97	0.1	*	0.468	0.982	2.95	3.41
9	Apr-03	NA		NA	NA	NA	NA
10	Apr-04	NA		NA	NA	NA	NA
11	Jul-05	NA		NA	NA	NA	NA
12	May-06	NA		NA	NA	NA	NA
13	Aug-07	NA		NA	NA	NA	NA
14	May-08	NA		NA	NA	NA	NA
15	Aug-10	NA		NA	NA	NA	NA
16	May-12	NA		NA	NA	NA	NA
17	Sep-13	NA		NA	NA	NA	NA
18	Jul-14	0.32		0.452	0.920	2.76	3.211
19	Aug-15	0.1	*	0.416	0.874	2.62	3.039
20	Aug-16	0.1	*	0.388	0.835	2.50	2.892
21	Aug-17	0.11		0.365	0.800	2.40	2.764
22	Dec-18	0.13		0.346	0.769	2.31	2.652
23	Dec-20	0.15		0.332	0.740	2.22	2.554
24	May-22	NA		NA	NA	NA	NA
25	Aug-23	NA		NA	NA	NA	NA
26	Dec-24	NA		NA	NA	NA	NA

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

Lead (mg/L)

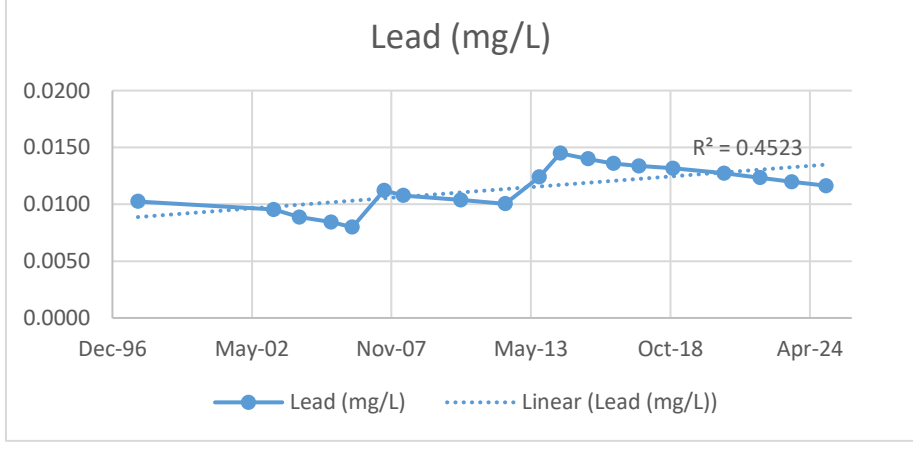
Event No.	Event Date	Lead	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.005	*	-	-	-	-
2	Jun-96	0.004	*	-	-	-	-
3	Oct-96	0.004	*	-	-	-	-
4	Dec-96	0.004	*	-	-	-	-
5	Mar-97	0.05	*	-	-	-	-
6	Jun-97	0.005		-	-	-	-
7	Sep-97	0.005	*	-	-	-	-
8	Dec-97	0.005	*	0.0103	0.016	0.048	0.0585
9	Apr-03	0.0038	*	0.0095	0.015	0.046	0.0551
10	Apr-04	0.003	*	0.0089	0.014	0.043	0.0523
11	Jul-05	0.004	*	0.0084	0.014	0.041	0.0498
12	May-06	0.003	*	0.0080	0.013	0.040	0.0477
13	Aug-07	0.05	*	0.0112	0.017	0.052	0.0629
14	May-08	0.005	*	0.0108	0.017	0.050	0.0607
15	Aug-10	0.005	*	0.0104	0.016	0.048	0.0587
16	May-12	0.005	*	0.0101	0.016	0.047	0.0569
17	Sep-13	0.05	*	0.0124	0.018	0.054	0.0663
18	Jul-14	0.05	*	0.0145	0.020	0.059	0.0731
19	Aug-15	0.005	J	0.0140	0.019	0.057	0.0713
20	Aug-16	0.006	J	0.0136	0.019	0.056	0.0697
21	Aug-17	0.009	J	0.0134	0.018	0.055	0.0681
22	Dec-18	0.009	*	0.0132	0.018	0.053	0.0667
23	Dec-20	0.003	J	0.0127	0.018	0.053	0.0654
24	May-22	0.0035	J	0.0123	0.017	0.052	0.0641
25	Aug-23	0.003	*	0.0120	0.017	0.051	0.0630
26	Dec-24	0.003	*	0.0116	0.017	0.050	0.0619

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit

(3) J = Value is an estimate



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

Dissolved Lead (mg/L)

Event No.	Event Date	Lead	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.006	*	-	-	-	-
2	Jun-96	0.004	*	-	-	-	-
3	Oct-96	0.004	*	-	-	-	-
4	Dec-96	0.004	*	-	-	-	-
5	Mar-97	0.05	*	-	-	-	-
6	Jun-97	0.005	*	-	-	-	-
7	Sep-97	0.005	*	-	-	-	-
8	Dec-97	0.005	*	0.010	0.016	0.048	0.058
9	Apr-22	NA		0.010	0.016	0.048	0.058
10	Apr-22	NA		0.010	0.016	0.048	0.058
11	Jul-22	NA		NA	NA	NA	NA
12	May-22	NA		NA	NA	NA	NA
13	Aug-22	NA		NA	NA	NA	NA
14	May-22	NA		NA	NA	NA	NA
15	Aug-22	NA		NA	NA	NA	NA
16	May-22	NA		NA	NA	NA	NA
17	Sep-22	NA		NA	NA	NA	NA
18	Jul-22	0.05	*	0.015	NA	NA	NA
19	Aug-22	0.005	*	0.014	0.019	0.057	0.071
20	Aug-22	0.05	*	0.017	0.021	0.063	0.081
21	Aug-22	0.05	*	0.020	0.022	0.067	0.087
22	Dec-22	0.05	*	0.022	0.023	0.069	0.091
23	Dec-20	0.003	*	0.021	0.023	0.068	0.089
24	May-22	NA		NA	NA	NA	NA
25	Aug-23	NA		NA	NA	NA	NA
26	Dec-24	NA		NA	NA	NA	NA

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit

Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

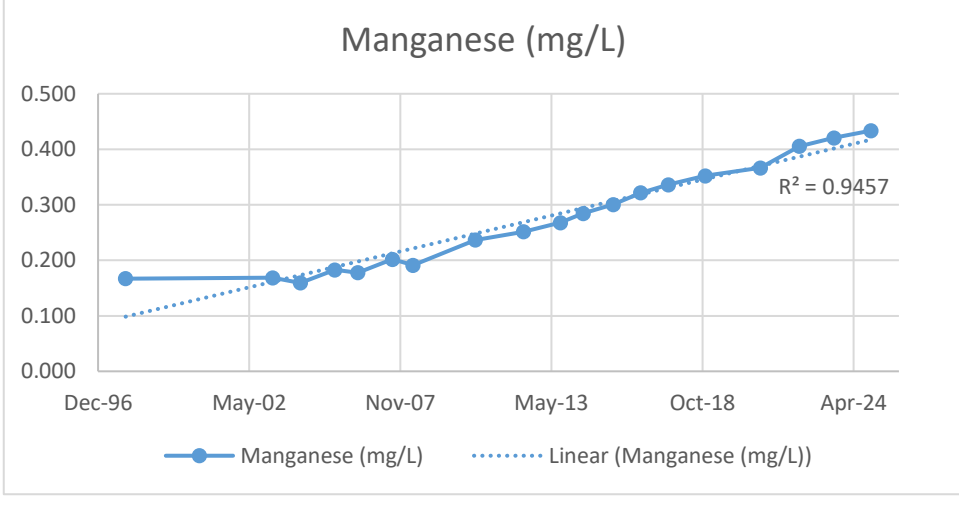
Manganese (mg/L)

Event No.	Event Date	Manganese	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.107	-	-	-	-
2	Jun-96	0.196	-	-	-	-
3	Oct-96	0.198	-	-	-	-
4	Dec-96	0.262	-	-	-	-
5	Mar-97	0.113	-	-	-	-
6	Jun-97	0.175	-	-	-	-
7	Sep-97	0.141	-	-	-	-
8	Dec-97	0.145	0.167	0.048	0.145	0.312
9	Apr-03	0.18	0.169	0.046	0.137	0.305
10	Apr-04	0.0754	0.159	0.052	0.155	0.314
11	Jul-05	0.42	0.183	0.090	0.269	0.452
12	May-06	0.12	0.178	0.088	0.263	0.440
13	Aug-07	0.491	0.202	0.119	0.356	0.557
14	May-08	0.054	0.191	0.120	0.361	0.552
15	Aug-10	0.872	0.237	0.206	0.617	0.854
16	May-12	0.474	0.251	0.207	0.622	0.874
17	Sep-13	0.532	0.268	0.212	0.635	0.903
18	Jul-14	0.567	0.285	0.217	0.651	0.935
19	Aug-15	0.591	0.301	0.222	0.666	0.966
20	Aug-16	0.72	0.322	0.235	0.704	1.026
21	Aug-17	0.624	0.336	0.238	0.714	1.050
22	Dec-18	0.693	0.352	0.244	0.732	1.085
23	Dec-20	0.682	0.367	0.248	0.744	1.111
24	May-22	1.3	0.406	0.306	0.919	1.324
25	Aug-23	0.78	0.420	0.309	0.927	1.347
26	Dec-24	0.76	0.434	0.310	0.929	1.363

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



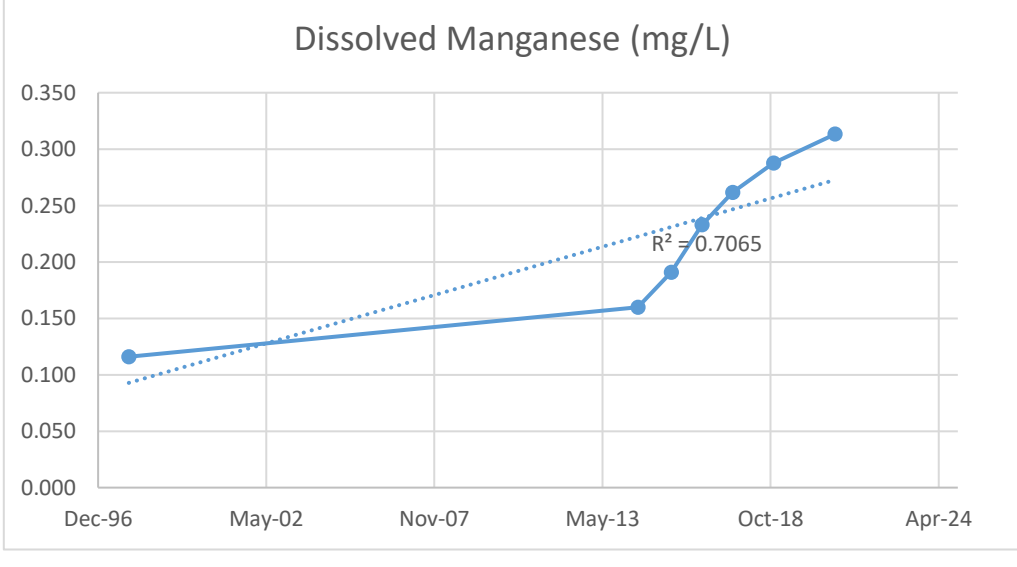
Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

Dissolved Manganese (mg/L)

Event No.	Event Date	Manganese	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.105	-	-	-	-
2	Jun-96	0.031	-	-	-	-
3	Oct-96	0.2	-	-	-	-
4	Dec-96	0.241	-	-	-	-
5	Mar-97	0.112	-	-	-	-
6	Jun-97	0.103	-	-	-	-
7	Sep-97	0.0484	-	-	-	-
8	Dec-97	0.0875	0.116	0.071	0.214	0.330
9	Apr-03	NA	NA	NA	NA	NA
10	Apr-04	NA	NA	NA	NA	NA
11	Jul-05	NA	NA	NA	NA	NA
12	May-06	NA	NA	NA	NA	NA
13	Aug-07	NA	NA	NA	NA	NA
14	May-08	NA	NA	NA	NA	NA
15	Aug-10	NA	NA	NA	NA	NA
16	May-12	NA	NA	NA	NA	NA
17	Sep-13	NA	NA	NA	NA	NA
18	Jul-14	0.51	0.160	0.147	0.442	0.602
19	Aug-15	0.47	0.191	0.170	0.51	0.701
20	Aug-16	0.653	0.233	0.213	0.64	0.872
21	Aug-17	0.577	0.261	0.226	0.679	0.940
22	Dec-18	0.6	0.288	0.236	0.708	0.996
23	Dec-20	0.647	0.313	0.246	0.739	1.052
24	May-22	NA	NA	NA	NA	NA
25	Aug-23	NA	NA	NA	NA	NA
26	Dec-24	NA	NA	NA	NA	NA

Notes:

(1) "-" = MATA not previously conducted



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

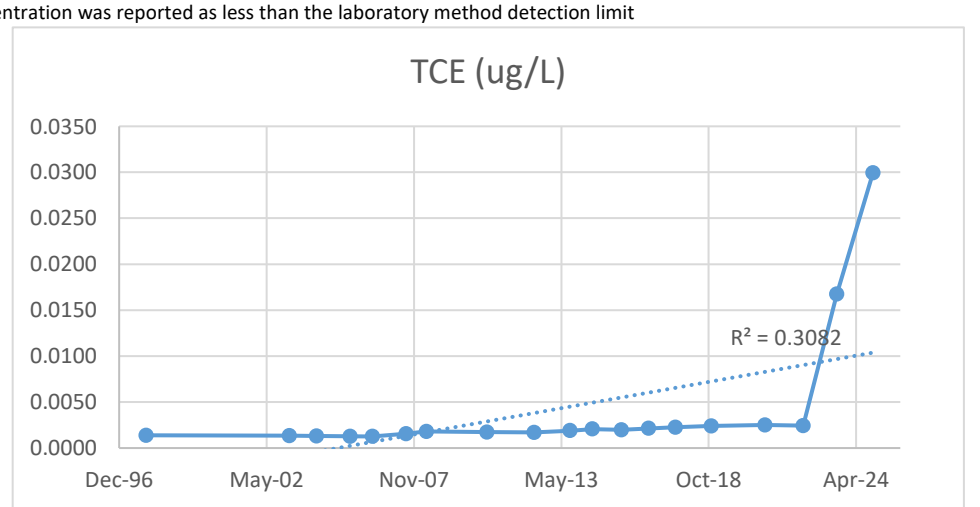
TCE (ug/L)

Event No.	Event Date	PCE	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.0009		-	-	-	-
2	Jun-96	0.0009		-	-	-	-
3	Oct-96	0.0009		-	-	-	-
4	Dec-96	0.0009		-	-	-	-
5	Mar-97	0.00069		-	-	-	-
6	Jun-97	0.00069		-	-	-	-
7	Sep-97	0.00552		-	-	-	-
8	Dec-97	0.00062		0.0014	0.0017	0.005	0.0064
9	Apr-03	0.001	*	0.0013	0.0016	0.005	0.0061
10	Apr-04	0.001	*	0.0013	0.0015	0.004	0.0058
11	Jul-05	0.001	*	0.0013	0.0014	0.004	0.0055
12	May-06	0.001	*	0.0013	0.0013	0.004	0.0053
13	Aug-07	0.005	*	0.0015	0.0017	0.005	0.0065
14	May-08	0.005	*	0.0018	0.0018	0.006	0.0073
15	Aug-10	0.001	*	0.0017	0.0018	0.005	0.0071
16	May-12	0.001	*	0.0017	0.0017	0.005	0.0069
17	Sep-13	0.005	*	0.0019	0.0019	0.006	0.0075
18	Jul-14	0.005	*	0.0021	0.0019	0.006	0.0079
19	Aug-15	0.0005	*	0.0020	0.0019	0.006	0.0078
20	Aug-16	0.005	*	0.0021	0.0020	0.006	0.0081
21	Aug-17	0.005	*	0.0023	0.0020	0.006	0.0084
22	Dec-18	0.005	*	0.0024	0.0021	0.006	0.0086
23	Dec-20	0.005	*	0.0025	0.0021	0.006	0.0088
24	May-22	0.001	*	0.0024	0.0021	0.006	0.0087
25	Aug-23	0.360	*	0.0167	0.0715	0.215	0.2314
26	Dec-24	0.360	*	0.0299	0.0972	0.292	0.3215

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



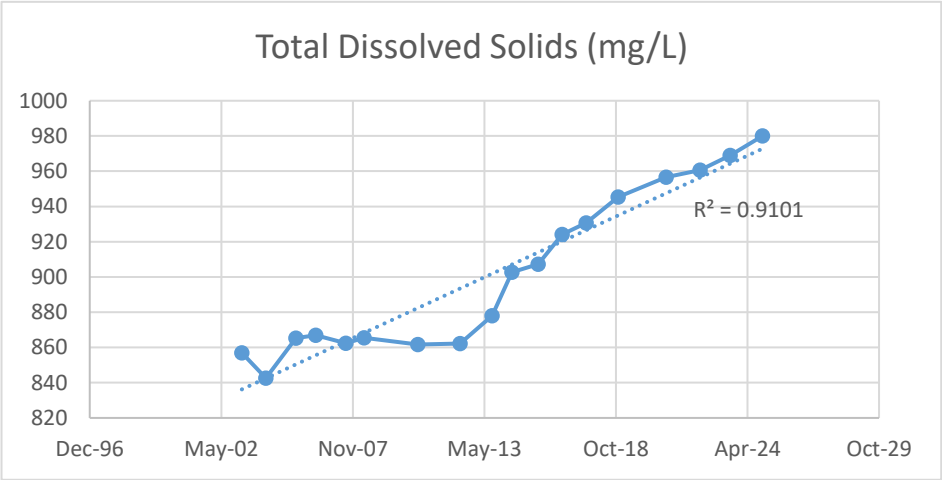
Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

Total Dissolved Solids (mg/L)

Event No.	Event Date	TDS	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Apr-01	885	-	-	-	-
2	Oct-01	731	-	-	-	-
3	Apr-02	914	-	-	-	-
5	Apr-03	898	857	85	254	1111
6	Apr-04	785	843	80	241	1083
7	Jul-05	979	865	91	272	1138
8	May-06	877	867	83	249	1116
9	Aug-07	830	862	78	234	1096
10	May-08	890	865	74	221	1086
11	Aug-10	828	862	70	211	1073
12	May-12	868	862	67	200	1062
13	Sep-13	1050	878	84	251	1129
14	Jul-14	1200	903	120	360	1262
15	Aug-15	966	907	116	349	1257
16	Aug-16	1160	924	130	389	1314
17	Aug-17	1030	931	128	385	1315
18	Dec-18	1180	945	138	414	1360
19	Dec-20	1150	957	142	427	1384
20	May-22	1030	961	139	418	1379
21	Aug-23	1130	969	141	423	1392
22	Dec-24	1200	980	146	439	1419

Notes:

(1) "-" = MATA not previously conducted



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

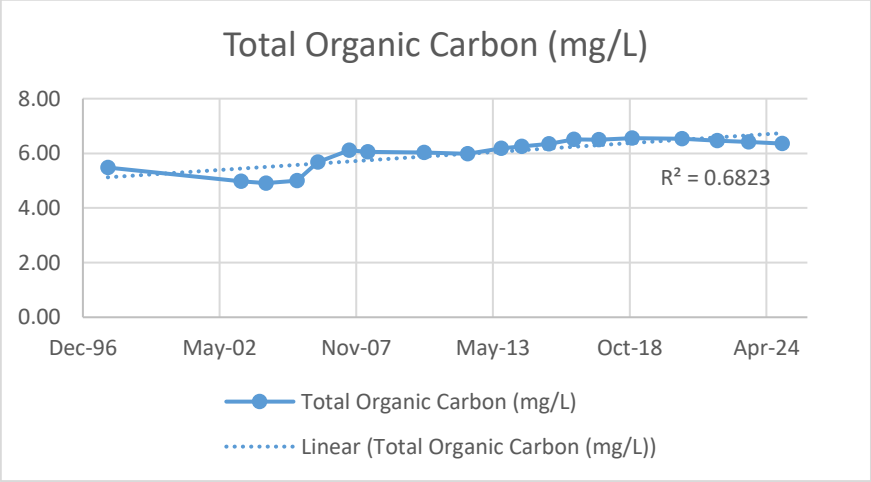
Total Organic Carbon (mg/L)

Event No.	Event Date	TOC	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	5.1		-	-	-	-
2	Jun-96	5.1		-	-	-	-
3	Oct-96	5.8		-	-	-	-
4	Dec-96	5.4		-	-	-	-
5	Mar-97	5.4		-	-	-	-
6	Jun-97	6.7		-	-	-	-
7	Sep-97	5.2		-	-	-	-
8	Dec-97	5.1		5.48	0.55	1.65	7.12
9	Apr-03	1	*	4.98	1.58	4.73	9.71
10	Apr-04	4.3		4.91	1.50	4.51	9.42
11	Jul-05	5.9		5.00	1.46	4.37	9.37
12	May-06	13.2		5.68	2.74	8.23	13.92
13	Aug-07	11.2		6.11	3.04	9.12	15.23
14	May-08	5.4		6.06	2.93	8.78	14.84
15	Aug-10	5.6		6.03	2.82	8.47	14.50
16	May-12	5.3		5.98	2.73	8.20	14.18
17	Sep-13	9.3		6.18	2.77	8.30	14.48
18	Jul-14	7.6		6.26	2.70	8.11	14.37
19	Aug-15	8		6.35	2.66	7.98	14.32
20	Aug-16	9.6		6.51	2.69	8.07	14.58
21	Aug-17	6.3		6.50	2.62	7.86	14.36
22	Dec-18	7.7		6.55	2.57	7.71	14.27
23	Dec-20	6		6.53	2.51	7.54	14.07
24	May-22	4.8		6.46	2.48	7.45	13.91
25	Aug-23	5.5		6.42	2.44	7.32	13.74
26	Dec-24	4.8		6.36	2.41	7.23	13.59

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



Appendix 4
Background Shallow Overburden Well MW-6B Historical Results

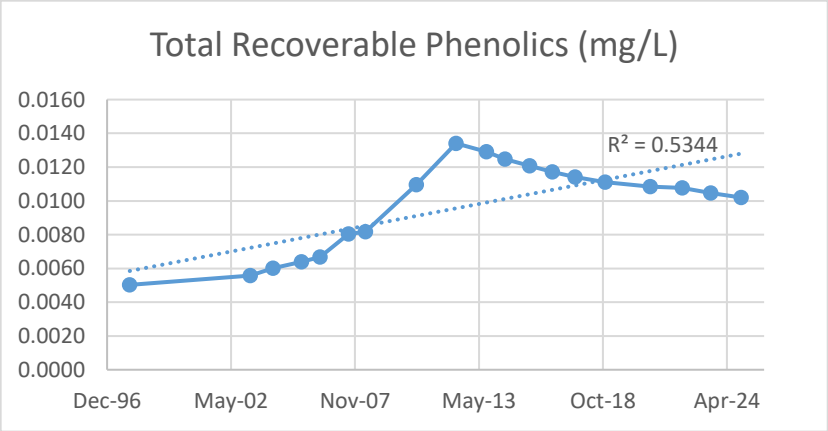
Total Recoverable Phenolics (mg/L)

Event No.	Event Date	TRP	*	Continuous Average	Continuous SD	SD x 3	MA + 3 SDs
1	Mar-96	0.005	*	-	-	-	-
2	Jun-96	0.005	*	-	-	-	-
3	Oct-96	0.005	*	-	-	-	-
4	Dec-96	0.005	*	-	-	-	-
5	Mar-97	0.005	*	-	-	-	-
6	Jun-97	0.005		-	-	-	-
7	Sep-97	0.00521	*	-	-	-	-
8	Dec-97	0.005	*	0.0050	0.000	0.000	0.005
9	Apr-03	0.01	*	0.0056	0.002	0.005	0.011
10	Apr-04	0.01	*	0.0060	0.002	0.006	0.012
11	Jul-05	0.01	*	0.0064	0.002	0.007	0.013
12	May-06	0.01	*	0.0067	0.002	0.007	0.014
13	Aug-07	0.0243		0.0080	0.005	0.016	0.024
14	May-08	0.01	*	0.0082	0.005	0.016	0.024
15	Aug-10	0.05	*	0.0110	0.012	0.036	0.047
16	May-12	0.05	*	0.0134	0.015	0.045	0.059
17	Sep-13	0.005	*	0.0129	0.015	0.044	0.057
18	Jul-14	0.005	*	0.0125	0.014	0.043	0.056
19	Aug-15	0.005	*	0.0121	0.014	0.042	0.054
20	Aug-16	0.005	*	0.0117	0.014	0.042	0.053
21	Aug-17	0.005	*	0.0114	0.014	0.041	0.052
22	Dec-18	0.005	*	0.0111	0.013	0.040	0.051
23	Dec-20	0.005	*	0.0108	0.013	0.039	0.050
24	May-22	0.0088	J	0.0108	0.013	0.038	0.049
25	Aug-23	0.0035	*	0.0105	0.013	0.038	0.048
26	Dec-24	0.0035	*	0.0102	0.012	0.037	0.047

Notes:

(1) "-" = MATA not previously conducted

(2) "*" = Concentration was reported as less than the laboratory method detection limit



APPENDIX 5

Moving Average Trend Analysis of Tracked Parameters for Shallow Overburden Wells

Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-2B

Event Date	pH (standard units)	Moving Avg.	TRP (mg/L)	Moving Avg.	TOC (mg/L)	Moving Avg.	Total Chromium (mg/L)	Moving Avg.
Sep-13	13.9	-	0.088	-	0.081	-	-	-
Jul-14	-	-	-	-	-	-	-	-
Aug-15	12.22	-	0.059	-	18	-	0.097	-
Aug-16	12.42	-	0.029	-	16.8	-	0.024	-
Aug-17	11.22	12.44	0.063	0.06	17.3	13.05	0.013	-
Dec-18	11.19	11.76	0.019	0.04	14.4	16.63	0.01	0.04
Dec-20	11.67	11.63	0.0164	0.032	12.9	15.35	0.0006	0.0119
May-22	12.16	11.56	0.029	0.032	11.8	14.10	0.002	0.0064
Aug-23	11.95	11.74	0.032	0.024	16.6	13.93	0.0012	0.0035
Dec-24	12.75	12.13	0.019	0.024	15.3	14.15	*0.001*	0.0012

Notes:

(1) If the concentration was reported at less than the laboratory detection limit, the detection limit is presented in the table.

(2) Data prior to September 2013 sampling event was unavailable, and/or MATA was not previously conducted.

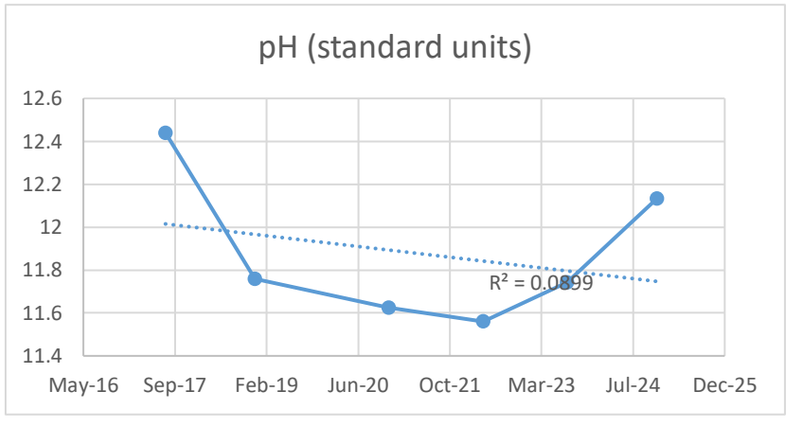
(3) MW-2B previously biennial, not sampled in 2014.

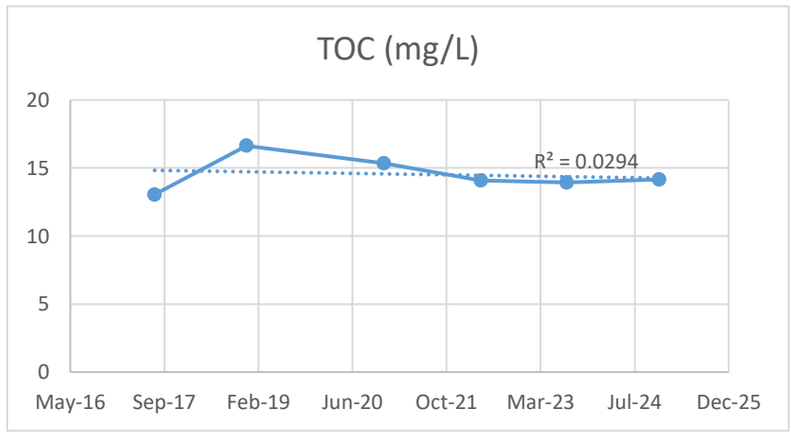
(4) TOC = Total Organic Carbon

(5) TRP = Total Recoverable Phenolics

(6) TDS = Total Dissolved Solids

(7) *Italicized values are method detection limits*





Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-2B

Event Date	Total Iron (mg/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.	Acetone (ug/L)	Moving Avg.
Sep-13	-	-	-	-	-	-
Jul-14	-	-	-	-	-	-
Aug-15	31.5	-	2.23	-	-	-
Aug-16	10.8	-	0.595	-	-	-
Aug-17	4.9	-	0.277	-	-	-
Dec-18	1.53	12.18	0.08	0.8	-	-
Dec-20	2.25	4.87	0.100	0.263	-	-
May-22	0.53	2.30	0.031	0.122	-	-
Aug-23	0.51	1.21	0.037	0.062	85	-
Dec-24	0.22	0.88	0.0098	0.044	86	-

Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-3B

Event Date	pH (standard units)	Moving Avg.	TOC (mg/L)	Moving Avg.	TDS (mg/L)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TRP (mg/L)	Moving Avg.	Total Cyanide (mg/L)	Moving Avg.
Oct-01	6.72	-	163	-	2400	-	2.3	-	1.3	-	0.0095	-
Apr-02	12.41	-	117	-	1640	-	4.44	-	0.84	-	0.0124	-
Apr-03	12.01	-	140	-	1780	-	2.97	-	1.1	-	0.0183	-
Apr-04	12.74	10.97	11	107.8	1650	1868	3.53	3.310	0.24	0.87	0.0199	0.015
Jul-05	11.48	12.16	96.9	91.2	1430	1625	2.77	3.430	0.36	0.64	0.0262	0.0192
May-06	11.9	12.03	132	95	1660	1630	6.69	3.990	0.72	0.61	0.0254	0.0225
Aug-07	12.49	12.15	134	93.5	1940	1670	6.13	4.780	1.05	0.59	0.0174	0.0222
Aug-10	8.18	11.01	63.7	106.7	2110	1785	0.9	4.120	0.36	0.62	0.022	0.0228
May-12	9.95	10.63	66.6	99.1	1640	1838	1.7	3.850	0.64	0.69	0.01	0.0187
Sep-13	11.44	10.52	93.6	89.5	1360	1763	1.59	2.580	0.851	0.73	0.015	0.0161
Jul-14	7.84	9.35	96	80	1530	1660	2.75	1.730	0.521	0.59	0.013	0.015
Aug-15	11.38	10.15	101	89.3	3540	2018	2.08	2.030	0.683	0.67	0.022	0.015
Aug-16	7.42	9.52	475	191.4	2090	2130	1.73	2.040	0.812	0.72	0.1	0.0375
Aug-17	10.71	9.34	134	201.5	1740	2225	3.14	2.430	0.73	0.69	0.1	0.0588
Dec-18	11.32	10.21	105	203.8	1560	2233	1.42	2.090	0.74	0.74	0.06	0.0705
Dec-20	11.84	10.32	118	208.0	1680	1768	2.71	2.250	0.542	0.71	0.067	0.0818
May-22	12.12	11.50	68.1	106.3	1750	1683	2.22	2.373	0.36	0.59	0.02	0.0618
Aug-23	11.35	11.66	106	99.3	1200	1548	1.973	2.081	0.39	0.51	0.049	0.0490
Dec-24	12.58	11.97	130	105.5	1900	1633	2.388	2.323	0.7	0.50	0.023	0.0398

Notes:

(1) If the concentration was reported at less than the laboratory detection limit, the detection limit is presented in the table.

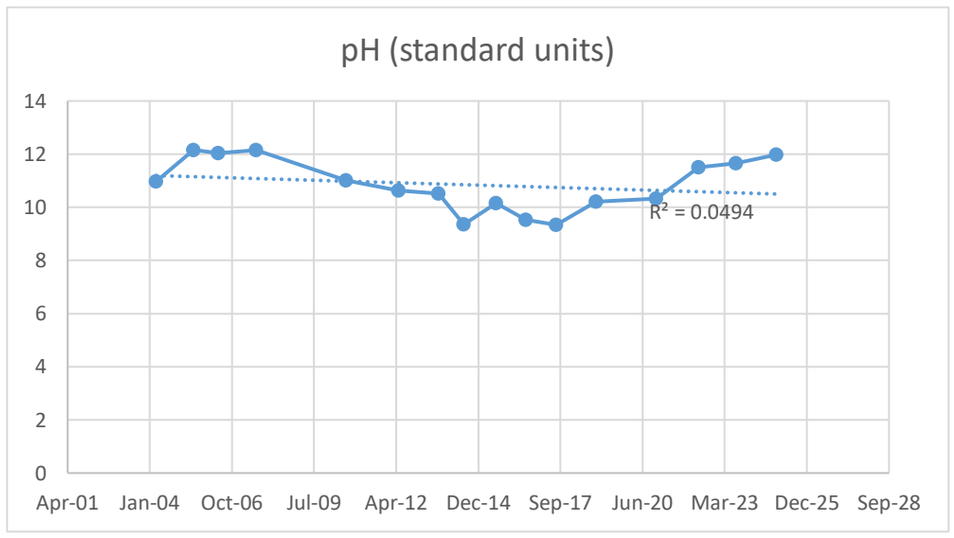
(2) TOC = Total Organic Carbon

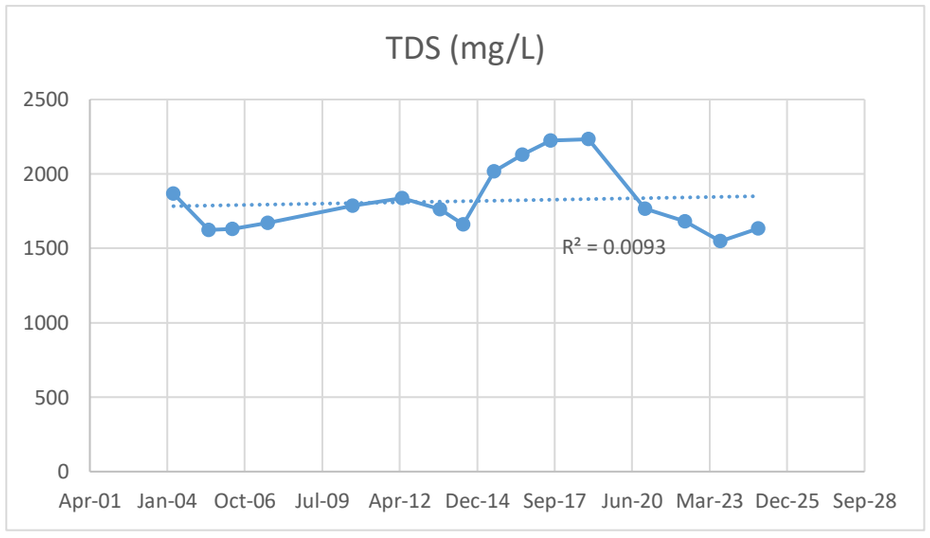
(3) TDS = Total Dissolved Solids

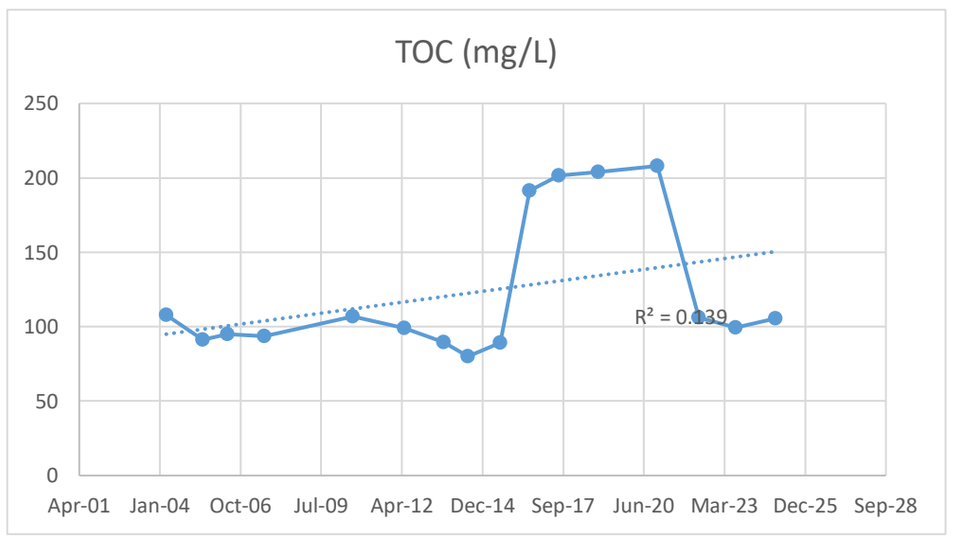
(4) TRP = Total Recoverable Phenolics

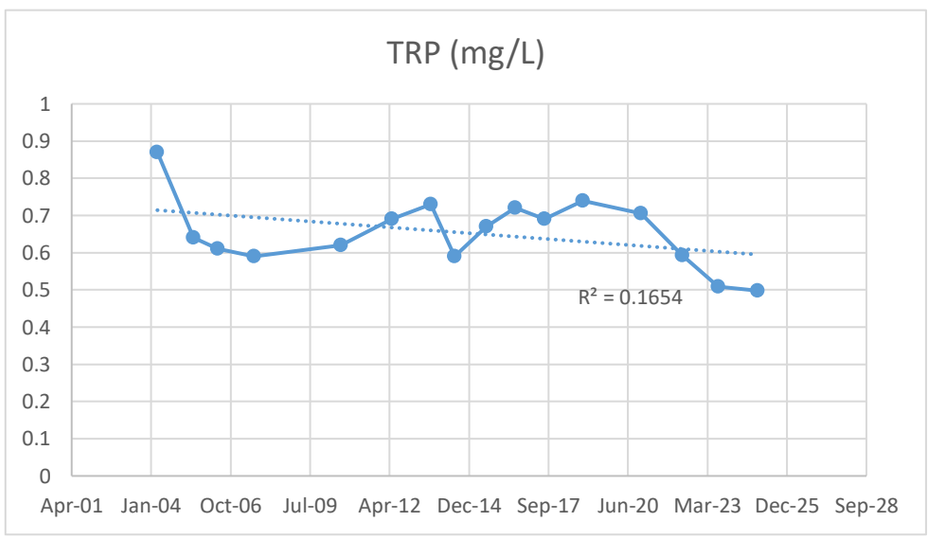
(5) "-" = MATA not previously conducted

(6) *Italicized values are method detection limits*



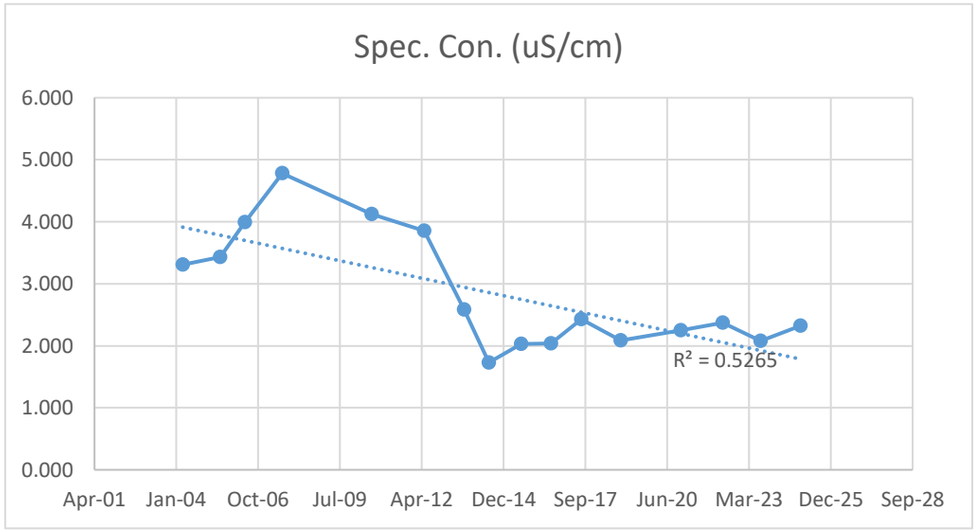


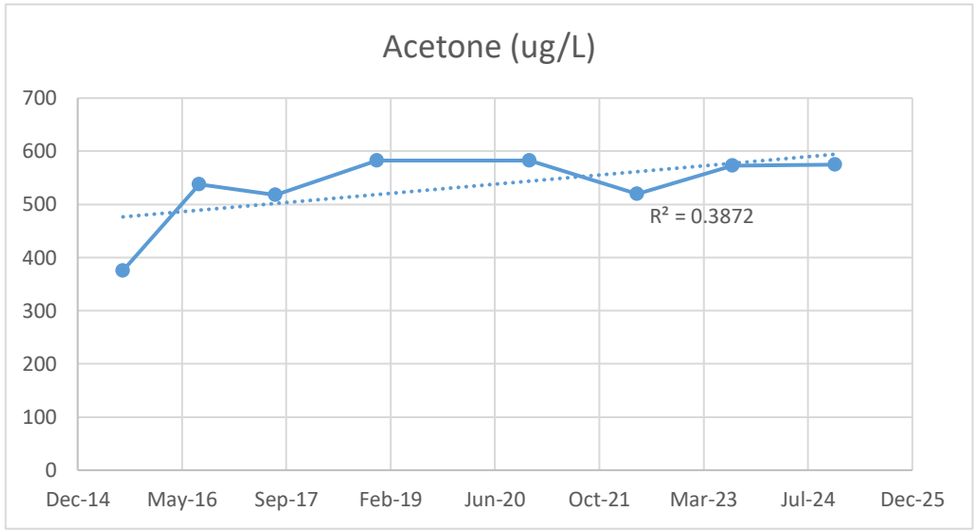


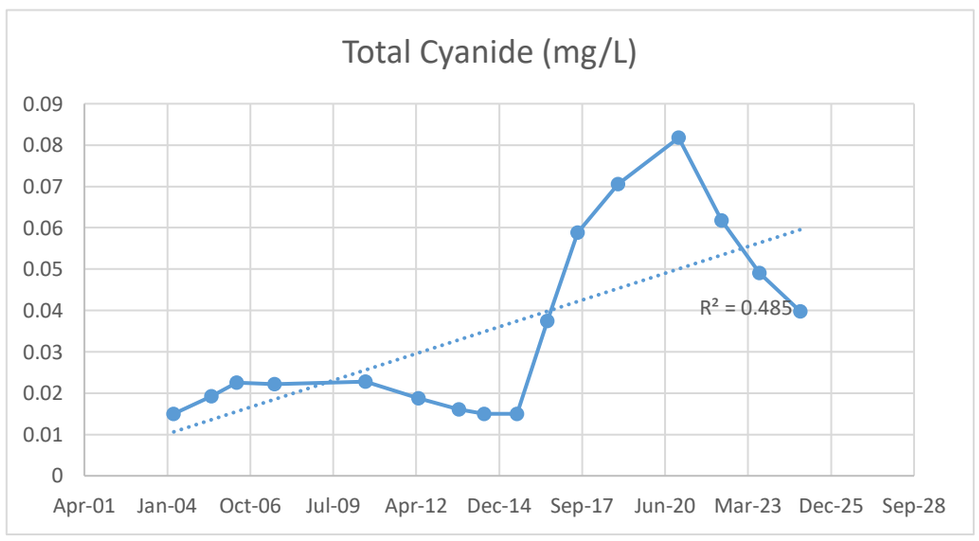


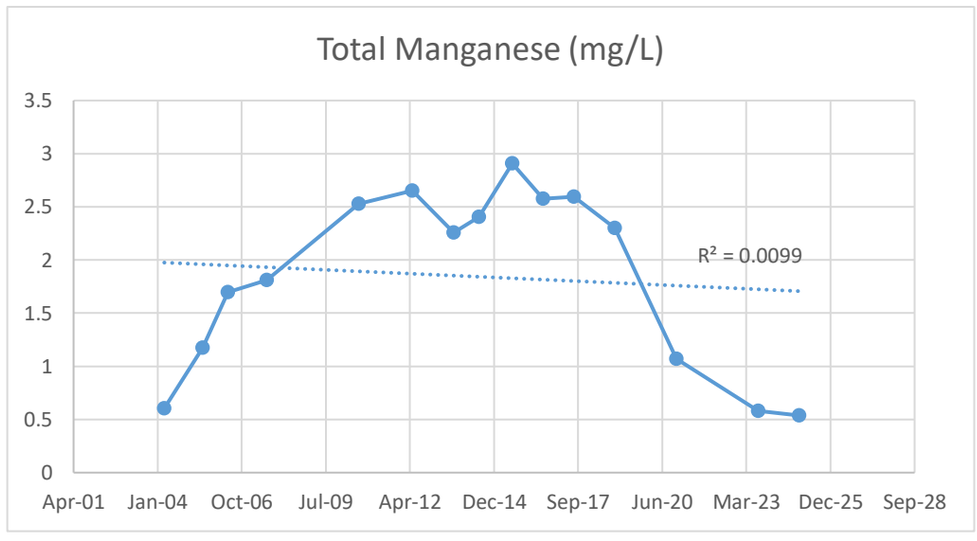
Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-3B

Event Date	Acetone (ug/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.	Total Chromium (mg/L)	Moving Avg.	Dis. Chromium (mg/L)	Moving Avg.	Total Lead (mg/L)	Moving Avg.	Dis. Lead (mg/L)	Moving Avg.
Oct-01	-	-	0.61	-	-	-	-	-	-	-	-	-
Apr-02	-	-	0.51	-	-	-	-	-	-	-	-	-
Apr-03	-	-	0.56	-	-	-	-	-	-	-	-	-
Apr-04	-	-	0.727	0.602	-	-	-	-	-	-	-	-
Jul-05	-	-	2.9	1.174	-	-	-	-	-	-	-	-
May-06	-	-	2.6	1.697	-	-	-	-	-	-	-	-
Aug-07	-	-	1.02	1.812	-	-	-	-	-	-	-	-
Aug-10	-	-	3.6	2.53	-	-	-	-	-	-	-	-
May-12	61.9	-	3.38	2.65	-	-	-	-	-	-	-	-
Sep-13	570	-	1.03	2.258	0.129	-	0.03	-	0.763	-	0.059	-
Jul-14	390	-	1.61	2.405	0.133	-	0.023	-	0.582	-	0.091	-
Aug-15	480	375.5	5.61	2.908	0.037	-	0.016	-	0.105	-	0.05	-
Aug-16	710	537.5	2.05	2.575	0.179	0.12	0.01	0.02	0.982	0.608	0.006	0.052
Aug-17	490	517.5	1.11	2.595	0.12	0.117	0.02	0.017	0.639	0.577	0.047	0.049
Dec-18	650	582.5	0.438	2.302	0.053	0.097	0.029	0.019	0.442	0.542	0.219	0.081
Dec-20	480	582.5	0.681	1.07	0.011	0.091	-	-	0.067	0.53	-	-
May-22	460	520.0	NA	NA	NA	NA	0.023	0.021	NA	NA	0.15	0.11
Aug-23	700	572.5	0.10	0.58	0.067	0.063	0.041	0.028	0.520	0.42	0.33	0.19
Dec-24	660	575.0	0.93	0.54	0.1	0.058	0.025	0.030	0.790	0.45	0.24	0.23



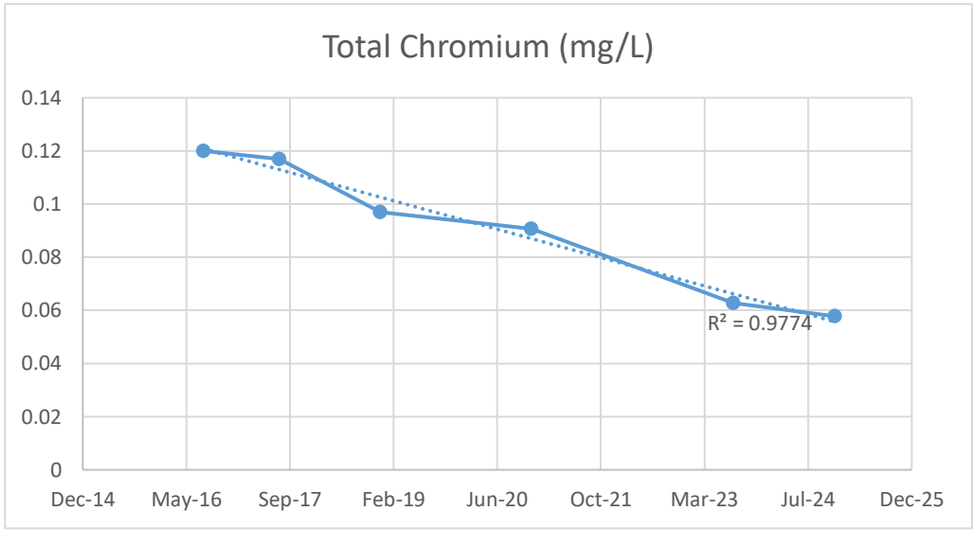


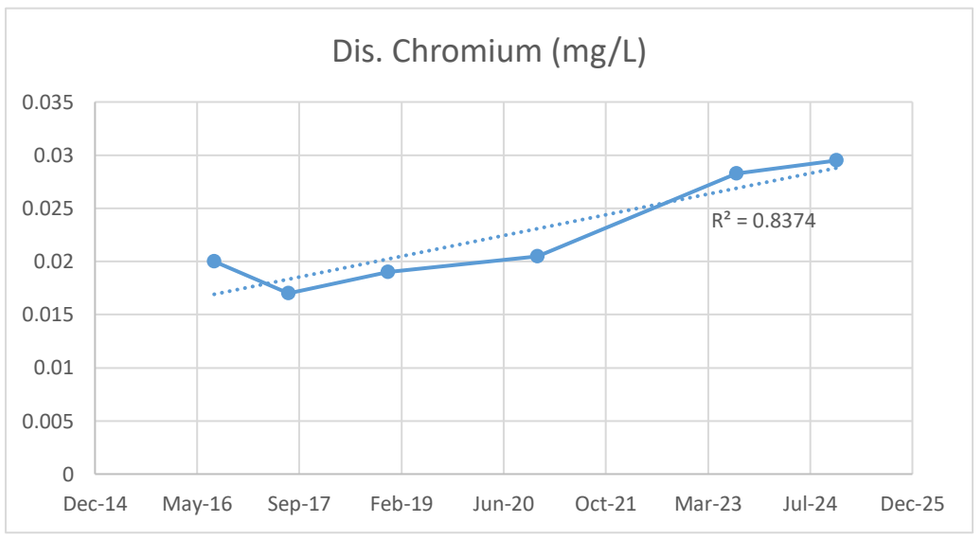




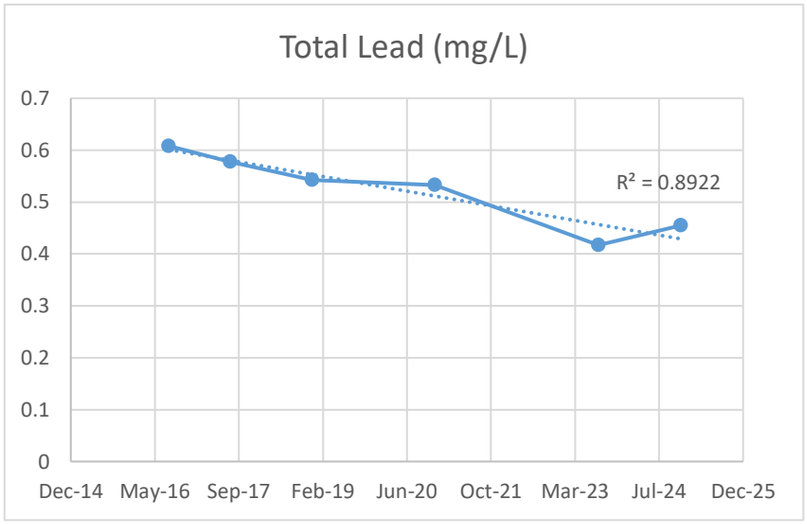
Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-3B

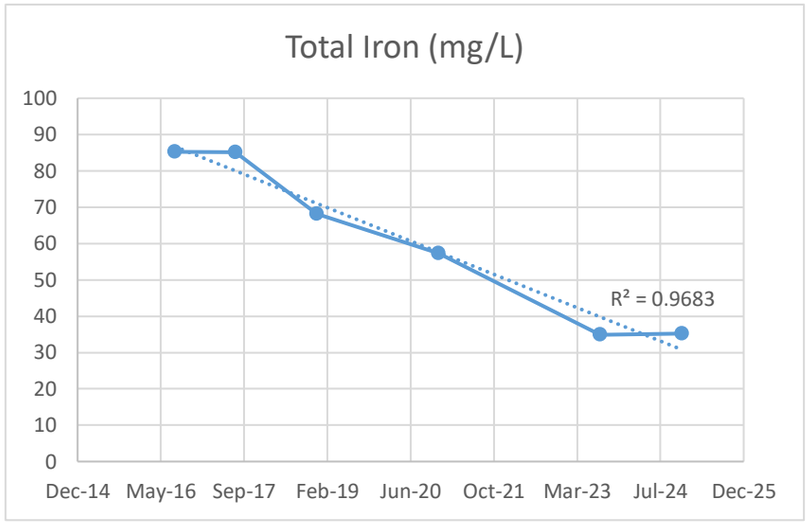
Event Date	Total Iron (mg/L)	Moving Avg.	Dis. Iron (mg/L)	Moving Avg.	Total Arsenic (mg/L)	Moving Avg.	Dis. Arsenic (mg/L)	Moving Avg.
Oct-01	-	-	-	-	0.03	-	-	-
Apr-02	-	-	-	-	0.027	-	-	-
Apr-03	-	-	-	-	0.037	-	-	-
Apr-04	-	-	-	-	0.034	0.032	-	-
Jul-05	-	-	-	-	0.03	0.032	-	-
May-06	-	-	-	-	0.037	0.034	-	-
Aug-07	-	-	-	-	0.058	0.034	-	-
Aug-10	-	-	-	-	0.026	0.042	-	-
May-12	-	-	-	-	0.087	0.052	-	-
Sep-13	73.3	-	3.99	-	0.057	0.057	0.041	-
Jul-14	94.4	-	3.04	-	0.047	0.054	0.035	-
Aug-15	58.3	-	2.91	-	0.03	0.055	0.028	-
Aug-16	115	85.25	1.69	2.908	0.064	0.05	0.031	0.034
Aug-17	73	85.175	2.78	2.605	0.051	0.048	0.025	0.03
Dec-18	26.2	68.125	3.22	2.65	0.035	0.045	0.033	0.029
Dec-20	15.2	57.35	-	-	0.043	0.048	-	-
May-22	NA	NA	8.6	4.07	NA	NA	0.024	0.028
Aug-23	25.1	34.88	7.4	5.50	0.047	0.044	0.041	0.031
Dec-24	74.5	35.25	4.9	6.03	0.049	0.044	0.032	0.033

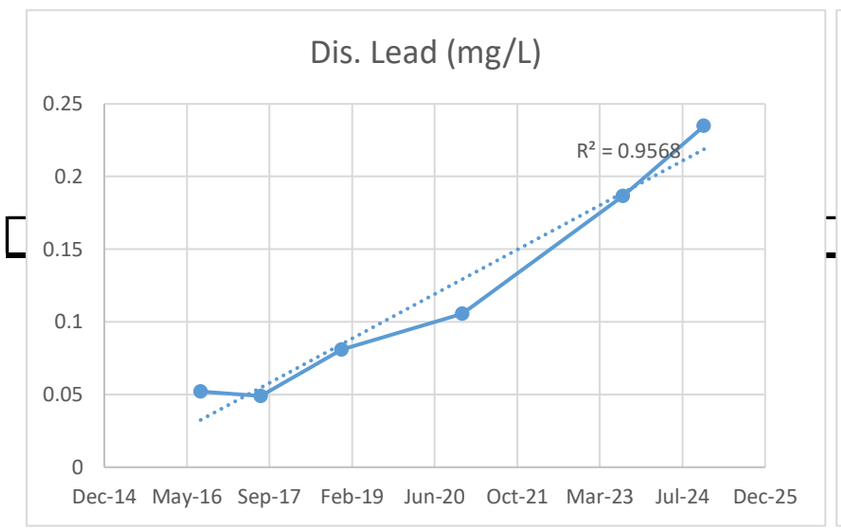


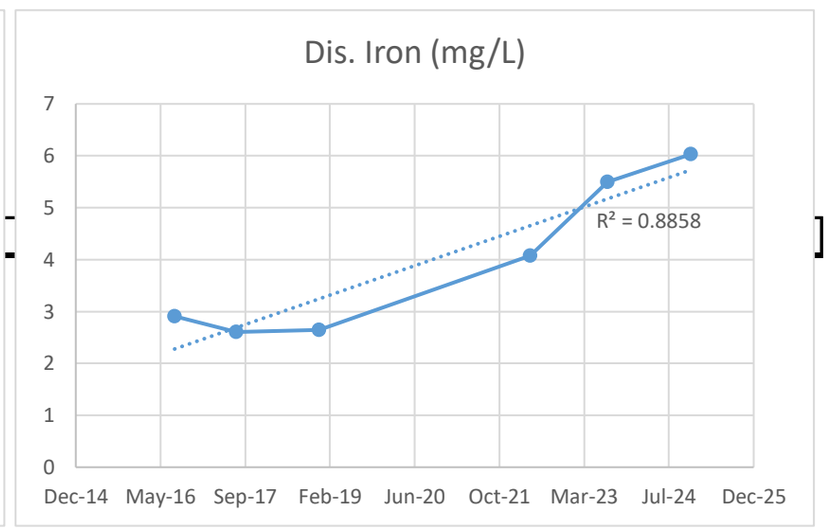


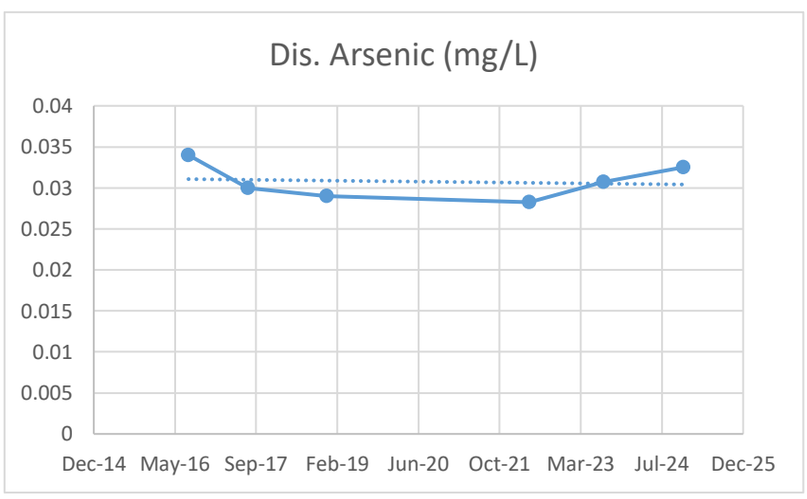
Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-3B

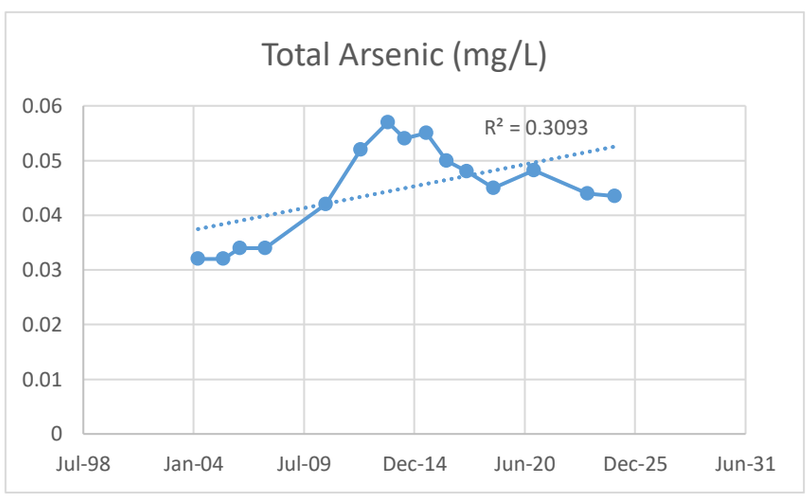












Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells

MW-4B

Event Date	pH (standard units)	Moving Avg.	TOC (mg/L)	Moving Avg.	TRP (mg/L)	Moving Avg.	Total Iron (mg/L)	Moving Avg.	Dis. Iron (mg/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.
Oct-01	NA	-	NA	-	NA	-	NA	-	NA	-	-	-
Apr-02	7.9	-	6.5	-	0.005	-	5.6	-	NA	-	-	-
Apr-03	8.08	-	4.6	-	0.01	-	30.2	-	NA	-	-	-
Apr-04	8.57	8.18	6.5	5.9	0.01	0.008	1	12.27	NA	-	-	-
Jul-05	7.78	8.08	22.2	10	0.076	0.025	10.9	11.92	4	4	-	-
May-06	7.71	8.04	3.9	9.3	0.01	0.027	6.6	12.17	NA	4	-	-
Aug-07	7.53	7.9	6	9.6	0.005	0.025	1.12	4.9	NA	4	-	-
May-08	7.81	7.71	5	9.3	0.01	0.025	0.72	4.84	NA	4	-	-
Aug-10	6.86	7.48	3.8	4.7	0.061	0.022	6.67	3.78	0.77	0.77	-	-
May-12	7.78	7.5	4.9	4.9	0.05	0.032	3.02	2.88	0.49	0.63	-	-
Sep-13	8.06	7.63	5	4.7	0.005	0.032	0.88	2.82	NA	0.63	1.02	-
Jul-14	8.04	7.69	6.8	5.1	0.0254	0.035	2.5	3.27	NA	0.63	1.02	-
Aug-15	7.6	7.87	6.7	5.9	0.005	0.021	1.75	2.04	NA	0.49	0.89	-
Aug-16	8.44	8.04	7.7	6.6	0.005	0.01	5.71	2.71	0.53	0.53	0.863	0.95
Aug-17	8.16	8.06	6	6.8	0.005	0.01	3.84	3.45	NA	0.53	0.703	0.87
Dec-18	8.11	8.08	5.3	6.4	0.005	0.005	1.05	3.09	NA	0.53	0.625	0.77
Dec-20	8.75	8.37	5.5	6.125	0.005	0.005	3.73	3.58	NA	0.53	0.526	0.679
May-22	9.2	8.56	4.5	5.325	0.009	0.006	1.50	2.53	NA	0.53	0.450	0.576
Aug-23	9.24	8.83	6.4	5.425	*0.004*	0.006	6.00	3.07	NA	0.53	0.550	0.538
Dec-24	8.97	9.04	3.7	5.025	0.004	0.005	1.40	3.16	NA	0.53	0.052	0.395

Notes:

(1) If the concentration was reported at less than the laboratory detection limit, the detection limit is presented in the table.

(2) TOC = Total Organic Carbon

(3) TRP = Total Recoverable Phenolics

(4) NA = Parameter not analyzed.

(5) TDS = Total Dissolved Solids

(6) "-" = MATA not previously conducted

(7) *Italicized values are method detection limits*

Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-7B

Event Date	pH (standard units)	Moving Avg.	TOC (mg/L)	Moving Avg.	TRP (mg/L)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TDS (mg/L)	Moving Avg.	Acetone (ug/L)	Moving Avg.
Oct-01	11.18	-	128	-	0.94	-	4.400	-	1420	-	-	-
Apr-02	12.61	-	61.8	-	0.95	-	3.730	-	1580	-	-	-
Apr-03	11.48	-	109	-	0.94	-	3.360	-	1410	-	-	-
Apr-04	12.83	12.03	97	99	0.77	0.9	3.530	3.760	1400	1453	-	-
Jul-05	11.65	12.14	47.8	78.9	0.32	0.745	2.660	3.320	1860	1563	-	-
May-06	11.69	11.91	81.4	83.8	0.6	0.658	2.830	3.100	1230	1475	-	-
Aug-07	9.65	11.46	21	61.8	0.083	0.443	0.110	2.280	529	1255	-	-
May-08	9.99	10.75	43.5	48.4	0.23	0.308	0.000	1.400	747	1092	-	-
Aug-10	6.94	9.57	23	42.2	0.22	0.283	0.970	0.980	468	744	-	-
May-12	10.45	9.26	14.6	25.5	0.08	0.153	0.120	0.300	401	536	-	-
Sep-13	12.63	10	36.5	29.4	0.321	0.213	4.200	1.320	1360	744	-	-
Jul-14	11.65	10.42	47.5	30.4	0.426	0.262	4.830	2.530	1070	825	-	-
Aug-15	12.7	11.86	51.8	37.6	0.587	0.354	3.700	3.210	1220	1013	-	-
Aug-16	12.9	12.47	69	51.2	0.689	0.506	2.940	3.920	1100	1188	-	-
Aug-17	12.01	12.32	47.4	53.9	0.37	0.518	3.370	3.710	832	1056	-	-
Dec-18	11.31	12.23	46.6	53.7	0.55	0.549	0.770	2.700	890	1011	-	-
Dec-20	13.22	12.36	44.4	51.85	0.469	0.520	4.490	2.893	1150	993	-	-
May-22	12.23	12.19	55.3	48.425	0.56	0.487	3.028	2.915	1190	1016	-	-
Aug-23	12.36	12.28	70.2	54.125	0.64	0.555	2.346	2.659	1380	1153	69	-
Dec-24	13.02	12.71	58.8	57.175	0.63	0.575	2.658	3.131	910	1158	33	-

Notes:

(1) If the concentration was reported at less than the laboratory detection limit, the detection limit is presented in the table

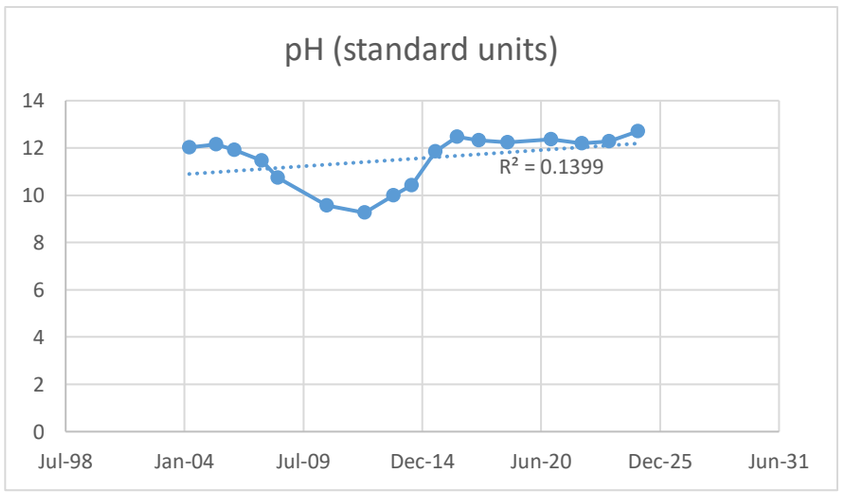
(2) TOC = Total Organic Carbon

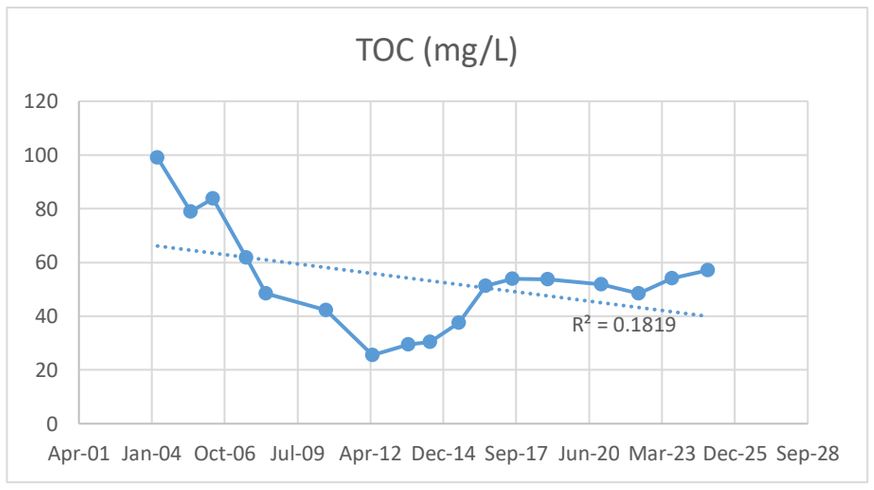
(3) TRP = Total Recoverable Phenolics

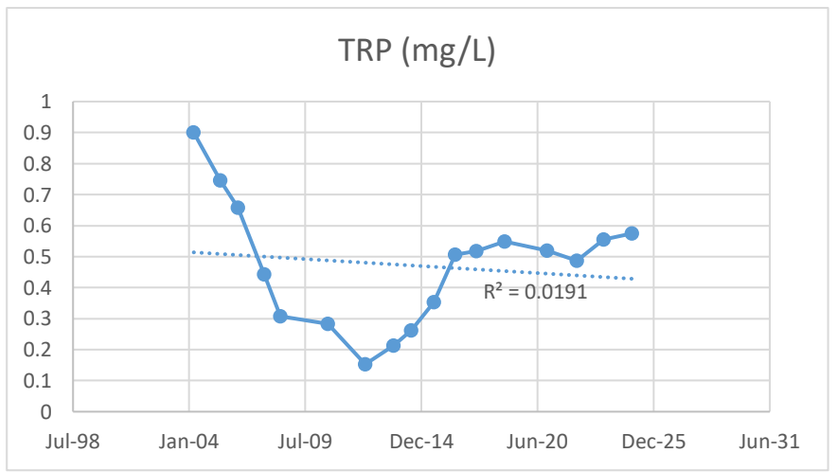
(4) TDS = Total Dissolved Solids

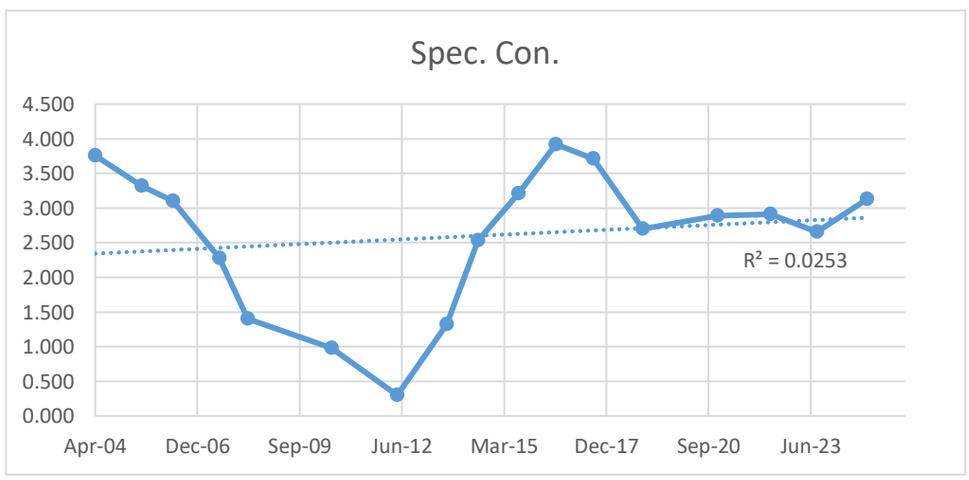
(5) "-" = MATA not previously conducted

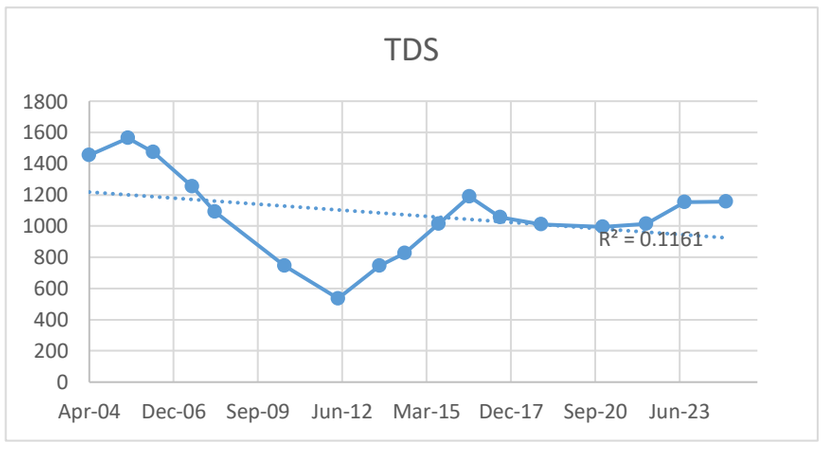
(6) *Italicized values are method detection limits*











Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-15B

Event Date	pH (standard units)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TDS (mg/L)	Moving Avg.	TOC (mg/L)	Moving Avg.	TRP (mg/L)	Moving Avg.	Acetone (ug/L)	Moving Avg.
Oct-01	-	-	1.62	-	722	-	70.2	-	-	-	-	-
Apr-02	-	-	1.81	-	1310	-	52.6	-	-	-	-	-
Apr-03	-	-	2.02	-	1240	-	62.9	-	-	-	-	-
Apr-04	-	-	2.02	1.87	1240	1128	54.6	60.1	-	-	-	-
Jul-05	-	-	2	1.96	1320	1278	49.9	55	-	-	-	-
May-06	-	-	2.04	2.02	1310	1278	50.6	54.5	-	-	-	-
Aug-07	-	-	0.23	1.57	1260	1283	56.3	52.9	-	-	-	-
May-08	-	-	0	1.07	1110	1250	56.8	53.4	-	-	-	-
Aug-10	-	-	1	0.82	951	1158	87.3	62.8	-	-	-	-
May-12	10.37	-	1.66	0.72	954	1069	61.3	65.4	0.14	-	-	-
Sep-13	12.23	-	2.45	1.28	1410	1106	73.8	69.8	0.761	-	10	-
Jul-14	10.97	-	3.11	2.05	1320	1159	96	79.6	0.93	-	10	-
Aug-15	12.64	11.55	3.27	2.62	1690	1344	83	78.5	0.893	0.68	10	11.875
Aug-16	13.56	12.35	4.06	3.22	1680	1525	256	127.2	0.68	0.82	10	10
Aug-17	12.74	12.48	5.41	3.96	1461	1538	51	121.5	0.68	0.8	83	28.25
Dec-18	12.42	12.84	1.91	3.66	1280	1528	29.6	104.9	0.25	0.63	140	60.75
Dec-20	13.02	12.94	5.75	4.28	1530	1488	49.1	96	0.504	0.53	120	88.25
May-22	12.81	12.75	4.26	4.33	1020	1323	48	44.4	0.46	0.474	170	128.3
Aug-23	12.47	12.68	5.78	4.43	1660	1373	32.5	39.8	*0.10*	0.329	190	155.0
Dec-24	13.39	12.92	5.66	5.36	1460	1418	20.8	37.6	0.18	0.311	160	160.0

Notes:

(1) If the concentration was reported at less that the laboraory detection limit, the detection limit is presented in the table

(2) TDS - Total Dissolved Solids

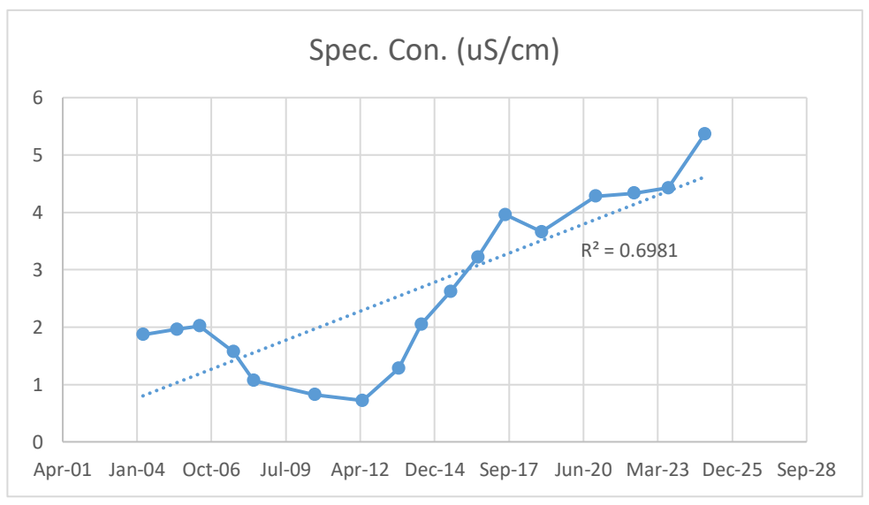
(3) TOC = Total Organic Carbon

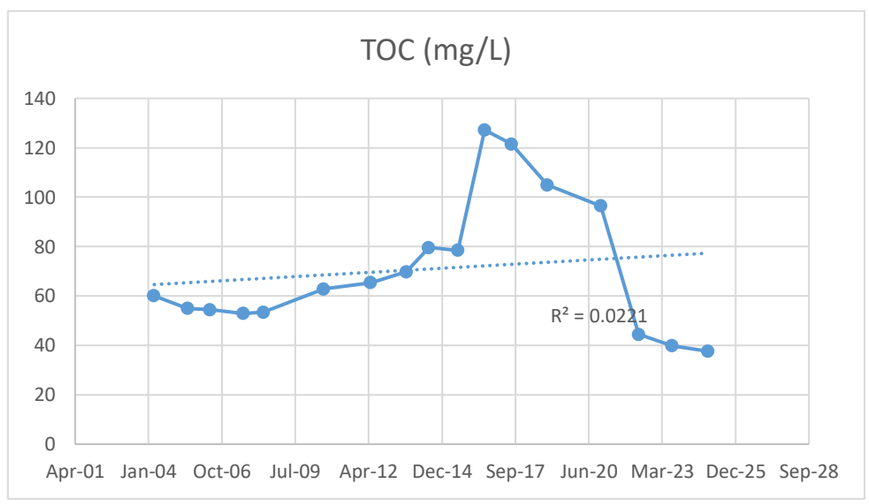
(4) TRP = Total Recoverable Phenolics

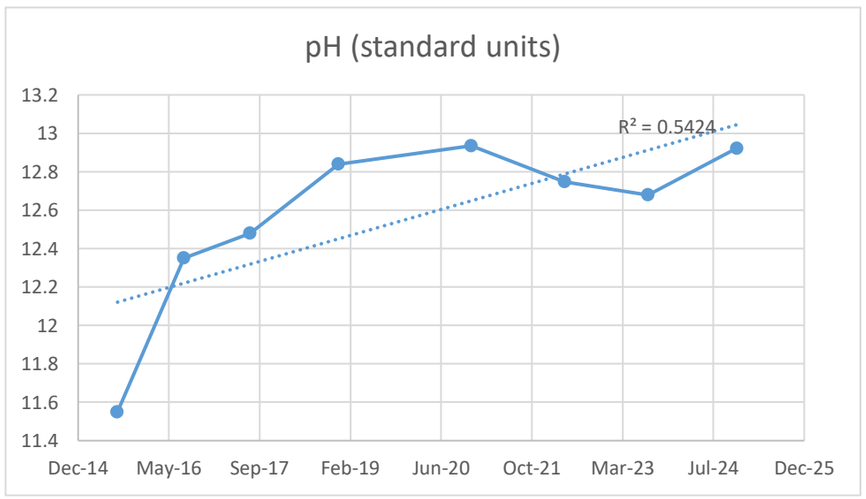
(5) NA = Parameter not analyzed

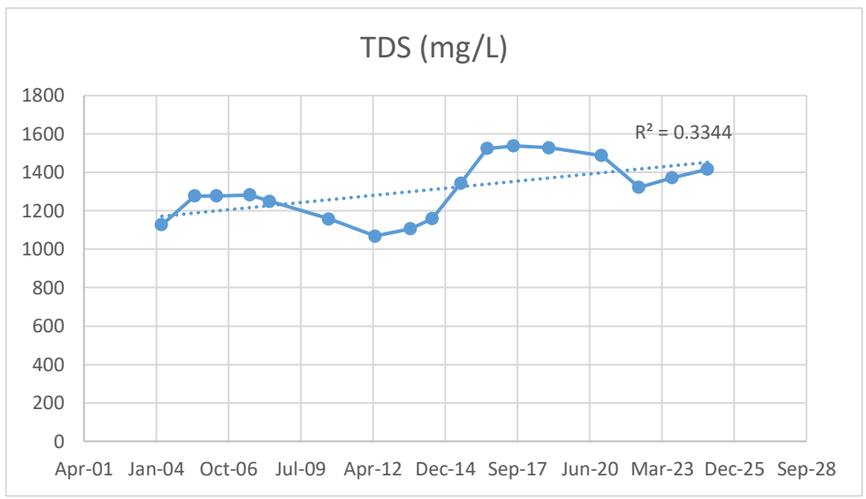
(6) "-" = MATA not previously conducted

(7) *Italicized values are method detection limits*



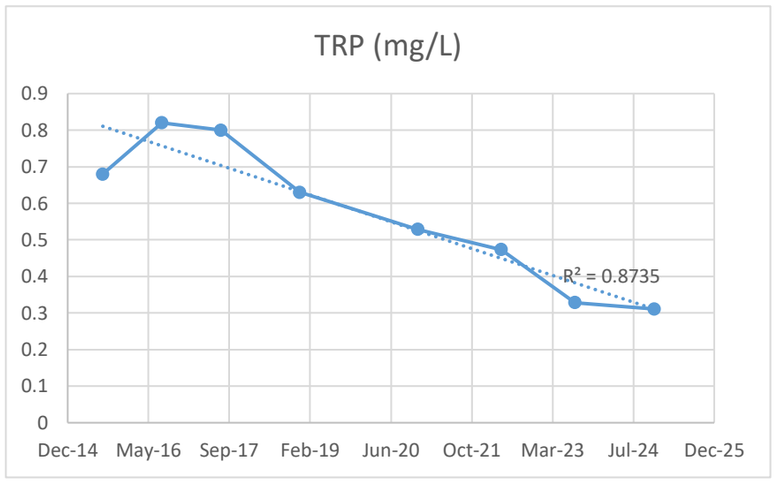


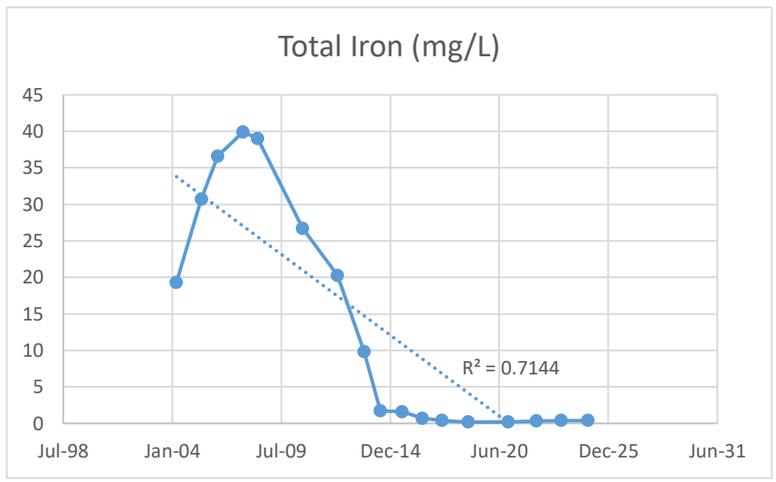


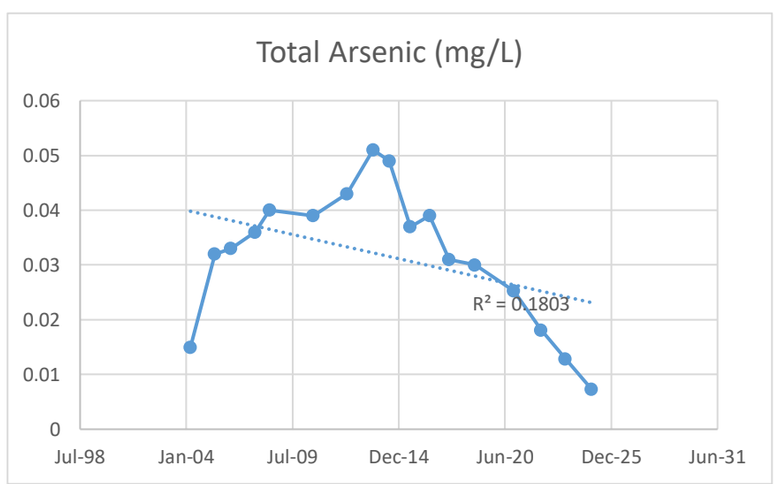


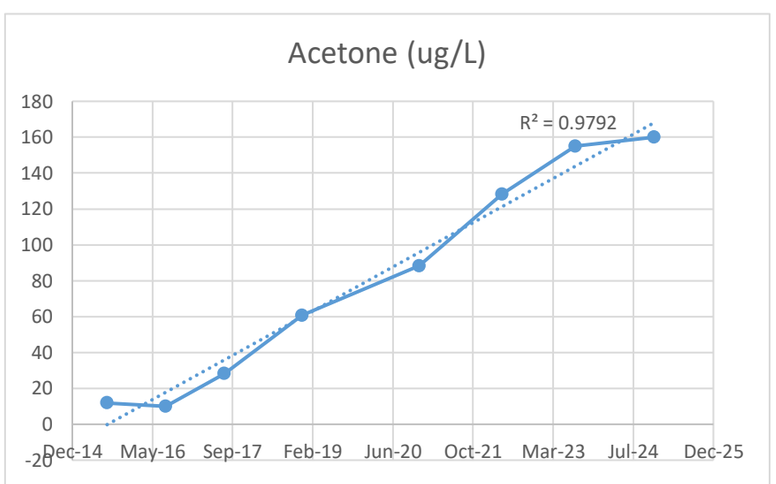
Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-15B

Event Date	Total Arsenic (mg/L)	Moving Avg.	Total Iron (mg/L)	Moving Avg.	Soluble Iron (mg/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.	Souble Manganese (mg/L)	Moving Avg.
Oct-01	0.009	-	4.7	-	4.7	-	0.48	-	0.47	-
Apr-02	0.013	-	5.6	-	5.6	-	0.97	-	1	-
Apr-03	0.014	-	30.2	-	21.4	-	2.8	-	2.4	-
Apr-04	0.023	0.015	36.5	19.3	26.6	14.6	2.85	1.78	2.56	1.61
Jul-05	0.076	0.032	50.5	30.7	26.3	20	3.6	2.56	2.5	2.12
May-06	0.017	0.033	29	36.6	28.1	25.6	2.7	2.99	2.6	2.52
Aug-07	0.027	0.036	43.6	39.9	NA	27	2.61	2.94	NA	2.55
May-08	0.04	0.04	33	39	15.2	23.2	1.9	2.7	1.9	2.33
Aug-10	0.073	0.039	1.1	26.7	NA	-	0.02	1.81	NA	2.25
May-12	0.032	0.043	3.6	20.3	1	8.1	0.05	1.15	0.02	0.96
Sep-13	0.059	0.051	1.4	9.8	NA	-	0.02	0.5	NA	-
Jul-14	0.032	0.049	0.85	1.7	NA	-	0.02	0.03	NA	-
Aug-15	0.026	0.037	0.53	1.6	NA	-	0.01	0.02	NA	-
Aug-16	0.037	0.039	0.1	0.7	NA	-	0.01	0.01	NA	-
Aug-17	0.029	0.031	0.15	0.4	NA	-	0.01	0.01	NA	-
Dec-18	0.029	0.030	0.1	0.2	NA	-	0.01	0.01	NA	-
Dec-20	0.006	0.025	0.43	0.20	NA	-	0.004	0.01	NA	-
May-22	0.0084	0.018	0.64	0.33	NA	-	0.0071	0.008	NA	-
Aug-23	0.008	0.013	0.46	0.41	NA	-	0.01	0.008	NA	-
Dec-24	0.0068	0.007	0.072	0.40	NA	-	*0.00*	0.005	NA	-

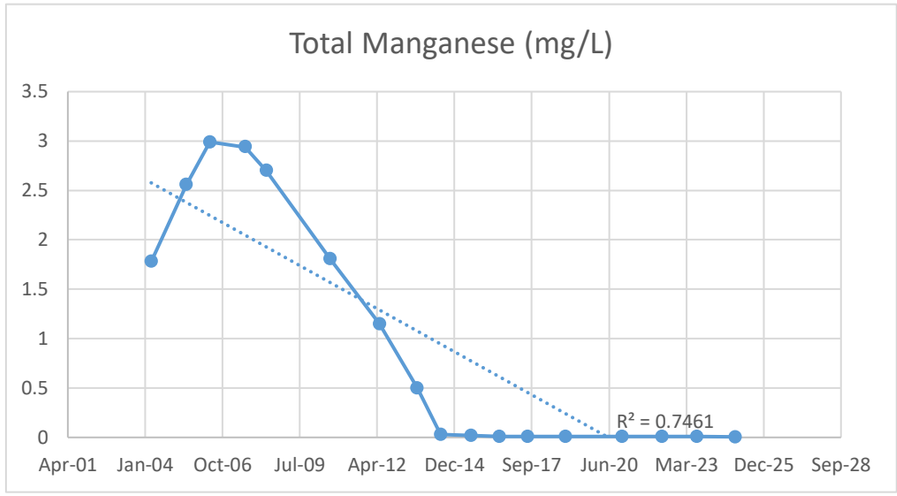


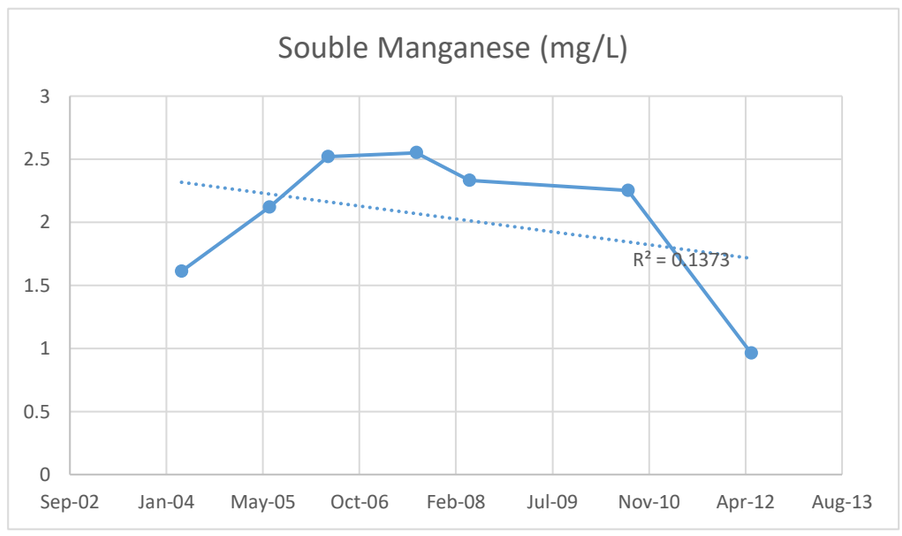






Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-15B





Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-16B

Event Date	pH (standard units)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TOC (mg/L)	Moving Avg.	TRP (mg/L)	Moving Avg.
Oct-01	10.62	-	3	-	14.6	-	0.013	-
Apr-02	12.11	-	2.37	-	9.3	-	0.005	-
Apr-03	11.37	-	2.19	-	11.2	-	0.01	-
Apr-04	12.41	11.63	2.24	2.450	8.6	10.9	0.01	0.01
Jul-05	11.63	11.88	2.22	2.250	11	10	0.01	0.009
May-06	11.49	11.73	2.1	2.190	6.9	9.4	0.01	0.01
Aug-07	12.14	11.92	0.23	1.700	14.5	10.3	0.01	0.01
May-08	12.11	11.84	0	1.140	11.6	11	0.01	0.01
Aug-10	7.07	10.7	0.21	0.630	15.1	12	0.05	0.02
May-12	11.53	10.71	1.33	0.440	17.5	14.7	0.05	0.03
Sep-13	11.88	10.65	1.5	0.760	12	14.1	0.0073	0.029
Jul-14	10.9	10.35	1.75	1.200	18.2	15.7	0.0073	0.029
Aug-15	12.45	11.69	2.08	1.670	14.3	15.5	0.008	0.018
Aug-16	12.87	12.03	1.77	1.780	16.7	15.3	0.0118	0.009
Aug-17	9.96	11.55	2.38	2.000	14.1	15.8	0.0078	0.009
Dec-18	11.9	11.80	1.9	2.030	14.1	14.8	0.005	0.008
Dec-20	11.8	11.63	2.13	2.045	14.6	14.9	0.005	0.007
May-22	12.09	11.44	1.376	1.947	11.8	13.7	0.018	0.009
Aug-23	11.34	11.78	1.472	1.720	16.2	14.2	0.026	0.014
Dec-24	12.31	11.89	1.249	1.557	18.3	15.2	0.004	0.013

Notes:

(1) If the concentration was reported at less that the laboraory detection limit, the detection limit is presented in the table

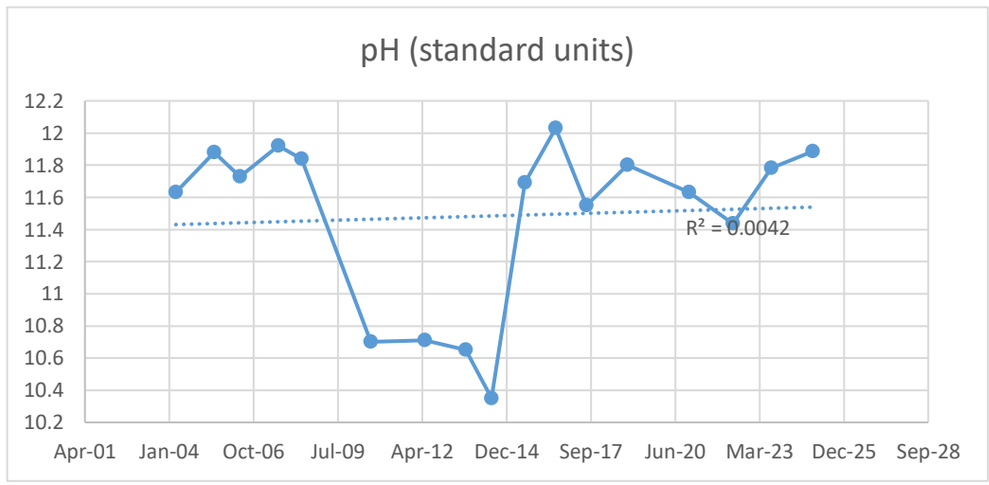
(2) TOC = Total Organic Carbon

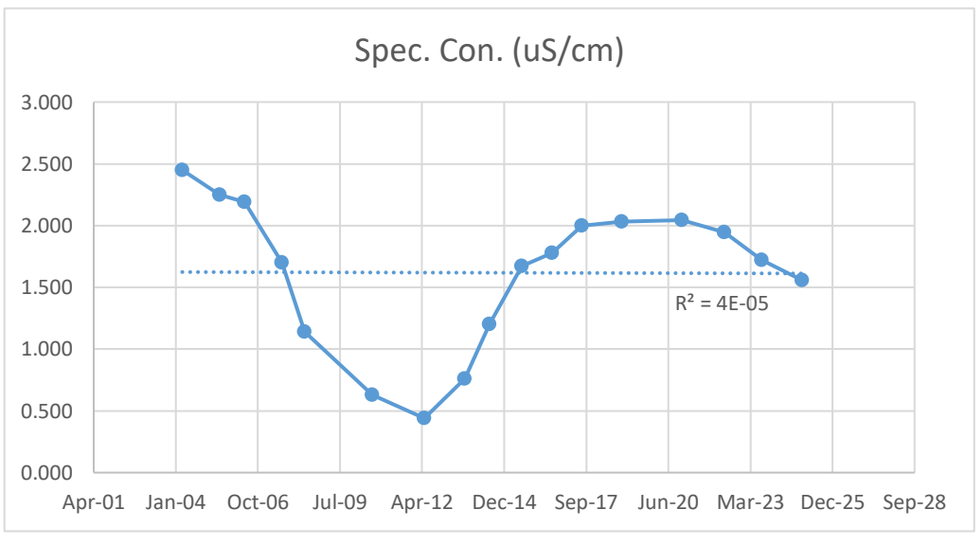
(3) TCE = Trichloroethene

(4) TRP = Total Recoverable Phenolics

(5) "-" = MATA not previously conducted

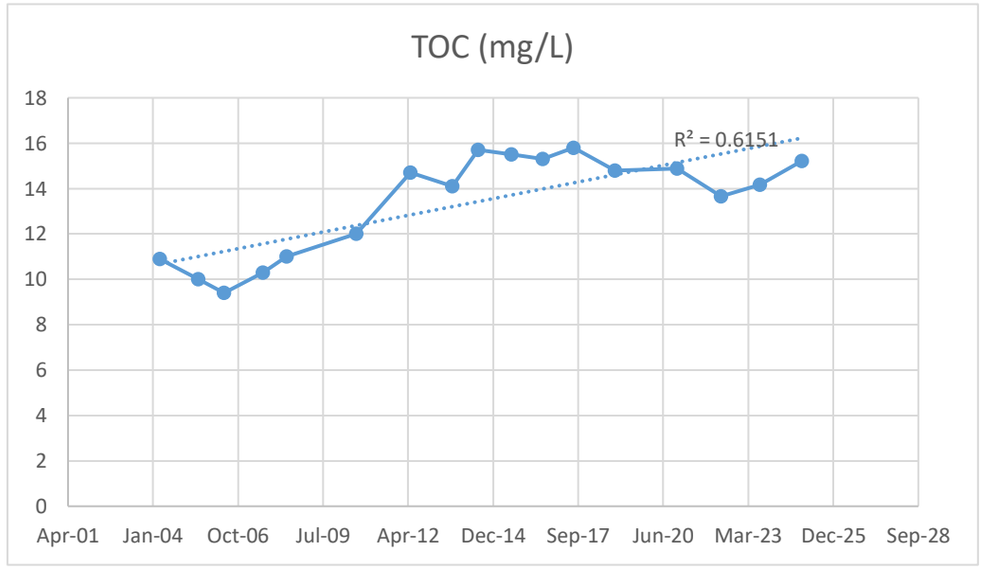
(6) *Italicized values are method detection limits*

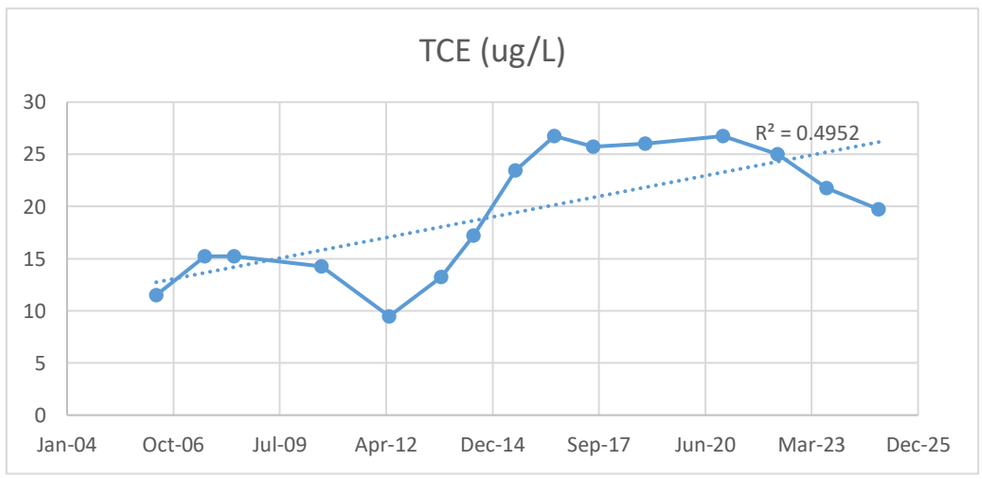




Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-16B

Event Date	Total Iron (mg/L0	Moving Avg.	Total Chromium (mg/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.	TCE (ug/L)	Moving Avg.
Oct-01	8.4	-	0.055	-	1.2	-	5	-
Apr-02	0.97	-	0.005	-	0.13	-	5	-
Apr-03	1.4	-	0.01	-	0.33	-	5	-
Apr-04	6.07	4.21	0.055	0.031	2.06	0.93	5	-
Jul-05	0.09	2.133	0.002	0.018	0.005	0.631	5	-
May-06	0.13	1.923	0.002	0.017	0.032	0.607	31	11.5
Aug-07	0.1	1.598	0.01	0.017	0.01	0.527	20	15.25
May-08	0.051	0.093	0.004	0.005	0.003	0.013	5	15.25
Aug-10	0.191	0.118	0.01	0.007	0.015	0.015	1	14.25
May-12	0.116	0.115	0.01	0.009	0.015	0.011	11.9	9.475
Sep-13	0.11	0.117	0.01	0.009	0.011	0.011	35	13.225
Jul-14	0.51	0.232	0.01	0.01	0.061	0.026	21	17.225
Aug-15	3.62	1.089	0.031	0.015	0.717	0.201	26	23.475
Aug-16	0.12	1.09	0.01	0.015	0.017	0.202	25	26.75
Aug-17	0.1	1.088	0.01	0.015	0.01	0.201	31	25.75
Dec-18	0.18	1.005	0.01	0.015	0.01	0.189	22	26
Dec-20	0.8	0.300	0.0006	0.008	0.036	0.018	29	26.8
May-22	0.72	0.450	0.0055	0.007	0.16	0.054	18	25.0
Aug-23	1.5	0.800	0.011	0.007	0.26	0.117	18	21.8
Dec-24	0.27	0.823	0.0012	0.005	0.041	0.124	14	19.8





Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-18B

Event Date	pH (standard units)	Moving Avg.	Spec. Con. (uS/cm)	Moving Avg.	TOC (mg/L)	Moving Avg.	TRP (mg/L)	Moving Avg.
Oct-01	7.27	-	5.580	-	40	-	0.007	-
Apr-02	7.57	-	4.770	-	16.2	-	0.005	-
Apr-03	7.85	-	4.840	-	30.2	-	0.01	-
Apr-04	8.61	7.83	4.400	4.9	14	25.1	0.01	0.008
Jul-05	7.89	7.98	3.790	4.45	17.9	19.6	0.01	0.009
May-06	8.33	8.17	4.050	4.27	10	18	0.01	0.01
Aug-07	7.56	8.1	0.450	3.17	16.9	14.7	0.005	0.009
May-08	7.92	7.93	0.000	2.07	16.9	15.4	0.011	0.009
Aug-10	7.49	7.83	0.420	1.23	19.3	15.8	0.05	0.019
May-12	7.91	7.72	3.490	1.09	15.1	17.1	0.05	0.029
Sep-13	7.68	7.75	2.810	1.68	14.4	16.4	0.005	0.029
Jul-14	7.55	7.66	2.820	2.38	24.4	18.3	0.005	0.028
Aug-15	7.84	7.75	3.410	3.13	17	17.7	0.005	0.016
Aug-16	8.29	7.84	3.030	3.02	17.6	18.4	0.005	0.005
Aug-17	7.56	7.81	3.250	3.13	24.3	20.8	0.005	0.005
Dec-18	8.07	7.94	1.640	2.83	19.2	19.5	0.005	0.005
Dec-20	7.77	7.92	3.530	2.86	25.5	21.7	0.005	0.005
May-22	8.11	7.88	2.164	2.65	25	23.5	0.0068	0.005
Aug-23	8.15	8.03	2.796	2.53	20.7	22.6	0.0039	0.005
Dec-24	7.99	8.01	3.118	2.90	22.7	23.5	*0.007*	0.006

Notes:

(1) If the concentration was reported at less that the laboraory detection limit, the detection limit is presented in the table

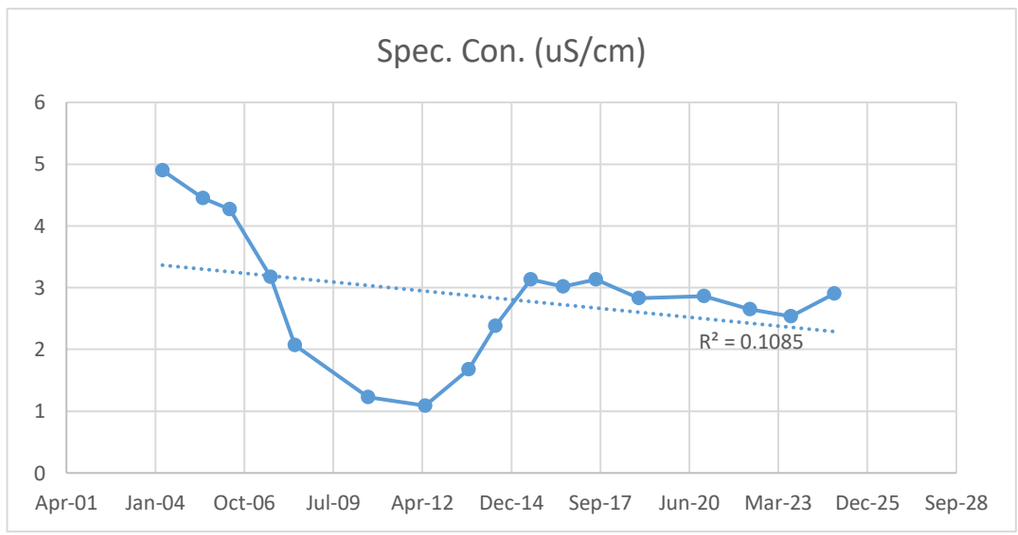
(2) TOC = Total Organic Carbon

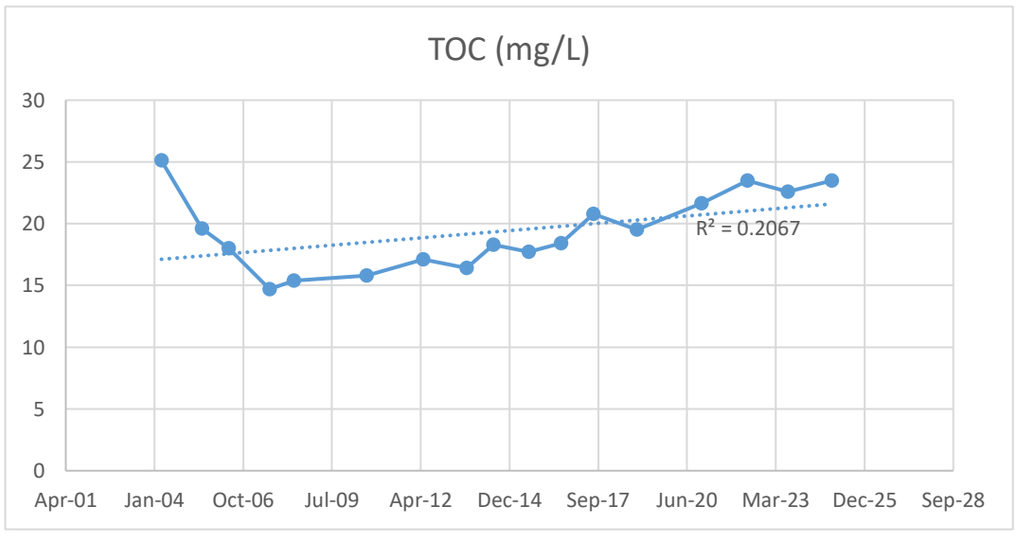
(3) TRP = Total Recoverable Phenolics

(4) TDS = Total Dissolved Solids

(5) "-" = MATA not previously conducted

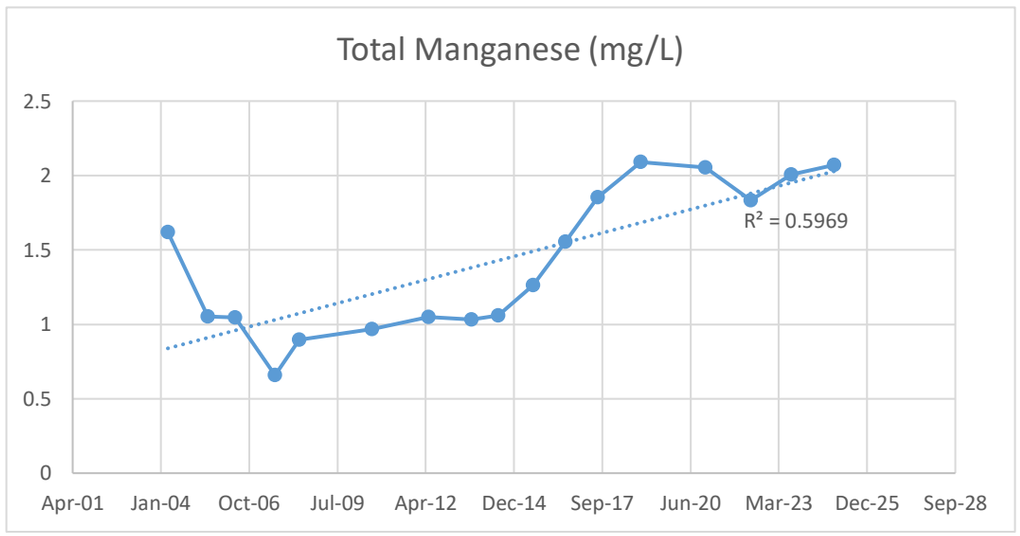
(6) *Italicized values are method detection limits*

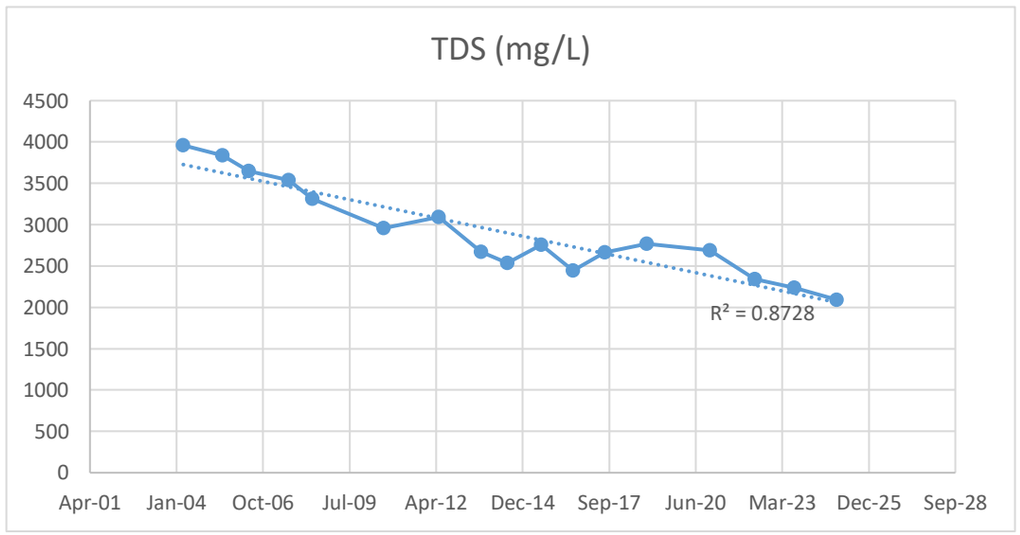




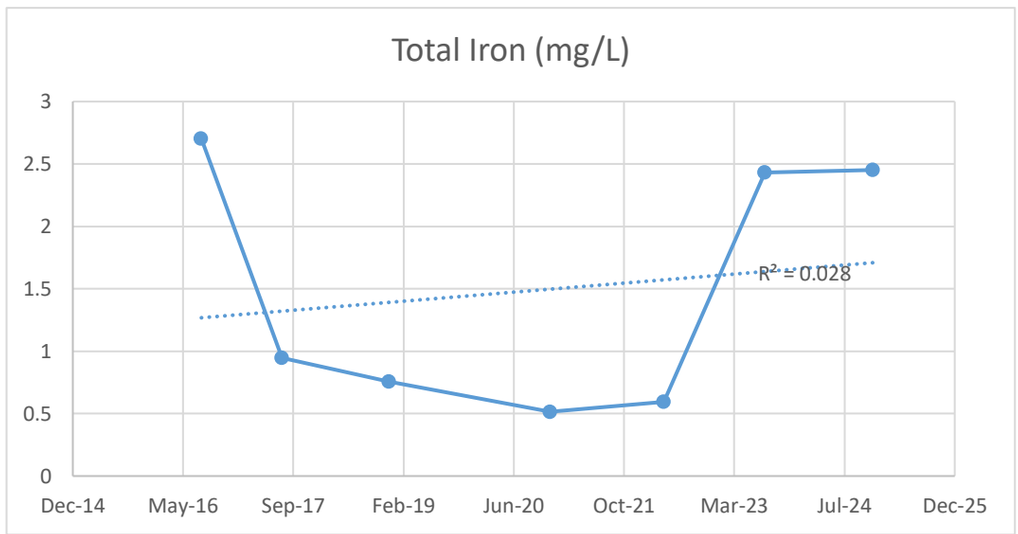
Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-18B

Event Date	TDS (mg/L)	Moving Avg.	Total Manganese (mg/L)	Moving Avg.	Total Iron (mg/L)	Moving Avg.	Total Arsenic (mg/L)	Moving Average
Oct-01	3860	-	2.9	-	-	-	-	-
Apr-02	4220	-	0.74	-	-	-	-	-
Apr-03	3940	-	2.5	-	-	-	-	-
Apr-04	3820	3960	0.341	1.62	-	-	-	-
Jul-05	3380	3840	0.63	1.053	-	-	-	-
May-06	3450	3648	0.71	1.045	-	-	-	-
Aug-07	3510	3540	0.952	0.658	-	-	-	-
May-08	2920	3315	1.3	0.898	-	-	-	-
Aug-10	1950	2958	0.908	0.968	-	-	-	-
May-12	3990	3093	1.03	1.048	-	-	-	-
Sep-13	1820	2670	0.896	1.034	7.66	-	-	-
Jul-14	2380	2535	1.4	1.059	1.09	-	-	-
Aug-15	2830	2755	1.73	1.264	1.89	-	-	-
Aug-16	2740	2443	2.19	1.554	0.17	2.703	-	-
Aug-17	2710	2665	2.1	1.855	0.64	0.948	-	-
Dec-18	2790	2768	2.34	2.09	0.32	0.755	-	-
Dec-20	2510	2688	1.59	2.055	0.93	0.515	-	-
May-22	1360	2343	1.3	1.833	0.48	0.593	0.032	-
Aug-23	2280	2235	2.8	2.008	8.00	2.433	0.052	-
Dec-24	2220	2093	2.6	2.073	0.39	2.450	0.042	-





Appendix 5
Summary of MATA Tracked Parameters for Shallow Overburden Wells
MW-18B



APPENDIX 6

Post-Closure Inspection Report and Photographs

MARILLA STREET LANDFILL
POST -CLOSURE INSPECTION REPORT

DATE: 12/19/2024
WEATHER: Overcast
PERSONNEL: B. Sabuda

Instructions: Complete the checklist of visual evaluation items then complete specific data items. Field measurements should be made with a cloth tape, provided instrumentation on equipment or other suitable means. Estimated measurements shall be noted. Attach hand sketches or photographs to further define conditions or problems.

I. VISUAL EVALUATION ITEMS	Acceptable	Not Acceptable	Not Present	Present	Remarks
1. Vegetative Cover					
a. Within Landfill Disposal Area	X				
b. Around Landfill Perimeter	X				
2. Integrity of Drainage Ditches					
a. Sediment Build-up	X				
b. Pooling or Ponding	X				
c. Slope Integrity	X				
d. Overall Adequacy	X				
3. General Conditions of Site					
a. Road Construction	X				
b. Gates/Fences/Locks		X			Fence missing/damaged in some areas
c. Grass Height	X				
d. Illegal Dumping		X			Some dumping along Hopkins
e. Wetland Shrub Plantings [1]	X				
4. Integrity of Groundwater	X				
5. Integrity of Landfill Cap					
a. Erosion Damage			X		
b. Leachate Breakthrough			X		
c. Settlement			X		
d. Cracking			X		
e. Slope			X		
f. Undesirable plants			X		
g. Benchmark			X		
h. Animal Burrowing			X		

Notes: (1) Until Year 2002

II. SPECIFIC DATA ITEMS (Write N.A. if not applicable)

A. Erosion and Settlement: N/A

1. Approximate size in feet of cap ended area(s). (List separately)
   a. _____ feet _____ feet
   b. _____ feet _____ feet
   c. _____ feet _____ feet

2. How deep is the most extreme point of erosion when measured from the adjacent surface. (List separately)
   a. _____ feet
   b. _____ feet
   c. _____ feet

3. Approximate size in feet of eroded areas outside the soil cap area such as drainage ditches, roads or slopes.

4. Attach a hand sketch or photograph showing the location of the eroded area(s). Identify each area by using the letter a, b, c, etc. from Question 1.

5. Approximate size in feet of leachate breakouts. (List separately)
   a. _____ feet _____ feet
   b. _____ feet _____ feet
   c. _____ feet _____ feet

6. Approximate size in feet of any settlement areas within the soil cap area. (List separately)
   a. _____ feet _____ feet
   b. _____ feet _____ feet
   c. _____ feet _____ feet

7. Approximate depth of each settlement area when measured from adjacent surface. (List separately)
   a. _____ feet _____ feet
   b. _____ feet _____ feet
   c. _____ feet _____ feet

8. Attach a hand sketch or photograph showing the location of the settlement area(s). Identify each area by using the letter a, b, c, etc. from Question 6.

B. Corrective Actions:

1. Describe corrective actions taken (write N.A. if not applicable).

N/A

2. Date of corrective action:

Northeast Pond/SW-5 Sample Location

Northwest Pond/SW-3A Sample Location

Hole in fence at Entrance on Marilla Stret

Opened/Damaged gate near northern ponds

View of southern pond and MW-16B/A

Entrance of Site

View of western portion of the Site facing east

View facing north of western portion of the Site

View of southern portion of the Site

View along North Ditch

Rutting near MW-4A/B

View of cover system looking North

APPENDIX 7

Institutional Controls/Engineering Controls (IC/EC) Certification

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. **915047**

Site Name **Republic Steel (LTV) (Marilla St. LF)**

Site Address: Marilla Street and Hopkins Street Zip Code: 14220
City/Town: Buffalo
County: Erie
Site Acreage: 108.000

Reporting Period: October 19, 2023 to ~~October 19, 2024~~ December 19, 2024

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

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	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. 915047 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
132.12-1-7.1	~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo	Monitoring Plan

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010) was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

132.16-1-11.2	~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo	

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

132.16-1-13	~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo	

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

132.16-1-14	~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo	

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

132.16-1-9	~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo	Monitoring Plan

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.

3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

132.20-1-2.2 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

132.20-1-9 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

133.13-1-8 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Monitoring Plan

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

133.17-1-1 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Monitoring Plan

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

133.17-1-10 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

133.17-1-2 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Monitoring Plan

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

133.17-1-6 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

133.17-1-9 ~~Buffalo Real, Inc.~~ Nicklaus Olmsted Buffalo

Monitoring Plan

Record of Decision: 3/27/1997

The Final Post-Closure Monitoring and Maintenance Plan (Revised November 2010)was approved on 11/22/2010. The Plan requires:

1. Maintenance and Monitoring of the landfill caps.
2. Groundwater Monitoring.
3. Surface water and sediment sampling.
4. Periodic Reporting of Site activities and evaluation of Site data.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
132.12-1-7.1	Cover System
132.16-1-11.2	Cover System
132.16-1-13	Cover System
132.16-1-14	Cover System
132.16-1-9	Cover System
132.20-1-2.2	Cover System

Parcel	Engineering Control
132.20-1-9	Cover System
133.13-1-8	Cover System
133.17-1-1	Cover System
133.17-1-10	Cover System
133.17-1-2	Cover System
133.17-1-6	Cover System
133.17-1-9	Cover System

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.

A Corrective Measures Workplan is included in the 2020 PRR. The site is currently undergoing design for solar development. CMWP items such as repairs to existing fencing, burrows, erosion, and removal of on-site debris will be addressed through the design and at the time of solar development.

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

1/30/2025

Date